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Vaughan's

Gardening Illustrated

1922

MAR 2 1925
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Chicago Retail Store
10-12 W. Randolph St.

IN the forty-five years during which Vaughan's Seed Store has supplied the needs of the gardens of America great social changes have come about.

The beginning of this period was a time of wooden cities, with detached houses, each with its kitchen garden.

The modern marketing system, which places Florida strawberries on our tables in February, did not exist. Home products could be supplemented from local market gardens and orchards, but the home garden and frequently the home cow, were essential factors in the national food supply.

Followed the age of flat dwellers, when home gardens vanished from cities and the milk bottle supplanted the neighborhood cow. Children might grow to adult years without knowing, save by hearsay, how the food which they ate was produced.

All this time the garden was not neglected. On the farms, in the smaller towns and cities and in the suburbs, there were homes which had preserved it, where its methods and products were steadily being improved. At a time when an uninformed observer might have said the home garden had vanished from America, our records show there were more than ever.

The Suburban Age Has Come

THANKS, no doubt, to the automobile, we are now at the beginning of a third era, which may be called the Suburban Age. What rural locality is too remote, now, from a city, to be called a suburb? And what city farther than half an hour's drive from the open country?

Freed from the bounds formerly imposed by transportation, the city man is fleeing from his flats to make his home where fresh air and sunshine give his children a chance to develop vigorously; while the farmer, with the advantages of city life enjoyable at his pleasure, escapes the disadvantages by remaining in his country home.

Thus the contact of American life with Mother Earth, once almost broken, is being restored, and the sign of this renewed contact most in evidence is the renaissance of the home garden. No longer a necessity, perhaps, in the national food supply, it is an essential feature of the complete home. Food may be bought, to be sure, but never of the exquisite flavor and supreme quality of that freshly harvested on the home grounds. At the same time the ornamental gardens of our fathers are being restored as the center of outdoor life; changed in form, perhaps, and improved in material, but unchanged in the spirit which makes them the most delightful feature of the home in the outdoor months.

At no time during the changing conditions of our forty-five years has Vaughan's Seed Store failed to keep, not merely abreast, but indeed, a little in advance of the times. We occupy a position of advantage, to detect the earliest indications of changing customs and new standards of taste and to learn of improved material available for the gardener.

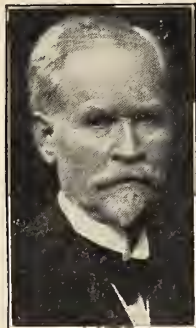
Vaughan's annual catalogues have always led their readers in the van of progress in

Forty-five Years of Gardening in America

gardening art and, today, in them will be found reliable advice on the newest manner and most modern methods and materials available for home owners who are newcomers in the great and growing society of garden devotees.

For Forty-five Years a Leader

IN the seed trade of America, the position of Vaughan's Seed Store as a house of the first rank, is undisputed. At the time this is written, the founder, John Charles Vaughan, is actively directing the business he began in 1876. He has been prominent in the allied horticultural trades of this country throughout his career. He has served as president of the American Seed Trade Association and the Society of American Florists. Leonard H. Vaughan, vice-president, directs the vegetable seed department, and supervises testing work, trial grounds and experiments in breeding and selection. Carl Crop, treasurer, is a specialist with life-long experience in annual and perennial flower seeds.



J. C. VAUGHAN

The very first seeds sold by Mr. J. C. Vaughan were provided at the urgent request of satisfied customer friends, buyers of fruit and shade trees. These worthy gardeners had been sadly disappointed at the poor crops harvested from commission box seeds at that time, 1875, and urged that Mr. Vaughan provide them seeds dependable in vitality, type and productiveness. The good results from seed thus provided secured these customers and came yearly many more, until the larger part of the gardening fields were sown with Vaughan's seeds. From 1885, the Vaughan's catalogues were distributed annually to many thousands of home gardeners throughout the Middle West.

The critical inspection and requirements that all seeds be true to type and of highest germination had laid a broad foundation for the building of a business.

In 1901, with the growth of the business from a volume of a few thousand dollars yearly to several hundred thousand, it seemed wisest to incorporate the business so that trained employees could be made part owners, and the officials then chosen still remain in charge of its affairs. From this date the annual volume has increased steadily, passing several years ago a million dollar annual turnover.

During these years, through technical im-

provements in testing seeds and proving types, higher purity and germination standards have been established and with them Vaughan's Seed Store, through its officials and employees, has constantly kept pace.

The latest methods for cleaning and storing seed, testing for germination and analyzing for purity, are practiced, while at the same time the



New York Retail Store
41-43 Barclay Street

advantages acquired from forty-five years in business are retained. Not the least of these, is a thorough knowledge of seed production the world over, and connections of years' standing with expert seed growers in this and other countries.

Trial Grounds and Seed Farms

WHILE keeping up his supply of tried varieties, the seedsman must be ever on the lookout for new; and the house which values its reputation carefully avoids recommending novelties which have not been thoroughly proved. This requires expensive trial grounds. In Vaughan's seed farms in Michigan and Illinois, all novelties not proven on the grounds of the introducer are tested for one or more years before being catalogued, and here, also, seed of the old varieties are tried out year after year to make sure that our stocks are suffering no deterioration.

Here, also, we grow much of the seed we sell, of varieties for which the soil and climate are favorable. Peas, beans, melons, cucumbers, sweet corn and gladioli are grown on our Michigan farm.

Both in Michigan and Illinois we maintain large warehouses for the storage of seeds, bulbs and onion sets; for the scientific storage of these wares, between the harvest and the planting season, is an important part of the seedsman's service.

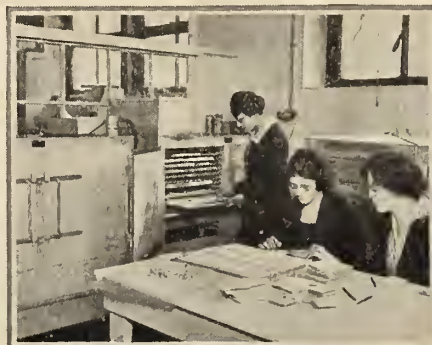
Greenhouses and Nurseries

VAUGHAN'S service, as those who have patronized us in past years so well know, does not stop with supplying the gardener with seed. Tools and supplies, as well as plants, trees and nursery stock, are obtainable from us. Our greenhouses and nurseries at Western Springs, Ill., have long been the chief source of supply for Chicago homes and the suburban communities surrounding this city.

New York and Chicago Stores

FOR thirty-five years, our retail store in the vicinity of Randolph and State streets, has been a center for the gardeners, both amateur and professional of this territory.

Our New York branch, with headquarters at 41-43 Barclay street, is equipped to duplicate this service to our Eastern customers and save them time and expense. From both cities we issue spring and fall retail catalogues annually, as well as a poultry catalogue and a nursery catalogue, all of which are free to our customers.



A Corner of Our Seed Laboratory

It cannot be said there are fashions in gardening, as there are in dress. And no friend of the art would wish its followers to indulge *en masse* in imitation, all doing the same thing, not because they liked it, but merely to conform.

Still, there may be discerned from time to time, new trends in gardening practice, which win rapid and general recognition because they possess definite merit and mark real advancement over former methods. Such, perhaps, are fashions in the best sense of the term.

Color Scheme Planting

Of this description is the present fashion in garden color schemes. For many years, more ad-

vanced gardeners have known the greatly enhanced beauty produced in flower plantings by judicious color combination. The revival of popular interest in flowers, which has followed the war, and was especially in evidence last year, is being accompanied by widespread adoption of color scheme planting, which promises soon to become general in flower gardens.

To assist beginners to a grasp of the first principles of this effective treatment of flower plantations, we have included in this catalogue nineteen color scheme planting plans, of annual and perennial flowers, gladioli and iris, for which materials are offered at prices varying from 30 cents to \$40.00. Those who prefer to work out their own color schemes will find it easy with the assistance of our illustrations in color and half tone, and accurate descriptions of all flowers offered as seed or plants.

The Wonderful Modern Flowers

MODERN flowers are a constant source of wonder to those who keep track of the improvements being made by breeding and selection. Each year sees distinct progress, not only in developing new colors and forms, but in bettering established strains, and more securely fixing desirable types. Of the standard which has been attained in Colossal Zinnias, in size and color, the illustrations on our front cover, which are life size, give a fair idea. This flower, always valuable for its long season, its hardiness and prolific blossoming, has now become one of the largest and most brilliantly colored of garden flowers. Those seeking the newest varieties of merit among all annual and perennial flowers, will find a complete list in our Flower Seed Novelties, pages 4 and 5.

Gladioli for Every Garden

GLADIOLI are grown in every garden nowadays, because of their surpassing qualities as cut flowers, their sureness of bloom and their marvelous colors. Vaughan's collection has been built up from the best



A Sure Cure for Many Ills

T. C. Hart, of Palatine, Ill., sent us this snap shot of the collection of vegetables with which he won the Home Garden Sweepstakes in the Cook County, Ill., County Fair, 1921, and also the Special Prize of \$25.00 for the best collection of vegetables, grown from Vaughan's Seeds. Mr. Hart writes: "Seven years ago the doctors gave me up to die with heart trouble. But I fooled them all and am still here. More than anything else the outdoor air, exercise and mind diversion of my garden brought me back."

of American and foreign introductions. Many of the finest American varieties are of our introduction. Our bulbs are grown on our own farms in Michigan and Illinois, where conditions are especially favorable for the production of large and vigorous bulbs. Our prices will be found to average very much below those asked elsewhere for varieties of the highest quality.

Perennial Plants and Seeds

PERENNIAL flowers are every year in more demand, as knowledge of their charm and ease of culture is spread. Our plant collection is beginning to expand after its severe contraction due

to the war and the effect of the federal quarantine against all importations of perennials. We suggest that particular attention be given our Iris and Chrysanthemum collections, and urge that all who desire to build up a plantation of size, consider carefully the suggestions in the article in pages 76 and 77, on "Growing Perennials from Seed."

The Best of All Vegetables

It has never been our practice to herald "vegetable wonders" of the kind that qualify more as horticultural curiosities than as useful additions to the garden list. But we never knowingly permit a new variety of proved merit to be counted missing in our annual catalogue. In the vegetable pages will be found the most complete list of good varieties to be found, we believe, in this country; and in pages 2 and 3, our Vegetable Novelties, the newer introductions among these fine varieties are listed. On the back cover of this catalogue are pictured in color, four of the most desirable of these novelties: The Vaughan cucumber, which we believe to be unsurpassed as a table cucumber either for market or for the home garden; the Milwaukee Market melon, a huge thick fleshed melon of exquisite flavor; Avon Early tomato, a smooth first early; and Bantam Evergreen Sweet Corn, which produces a large ear, later in season, but equal in flavor to the midget Golden Bantam.

Planting the Home Grounds

THIS year, undoubtedly, will see a notable development of landscape planting in home grounds, where war conditions have checked progress for a long time. We have prepared a special nursery catalogue, with a complete list of trees, shrubs, vines, fruit trees and small fruits, and many planting suggestions, which we send free to those interested. This book includes fourteen group planting plans by C. L. Burkholder of Purdue University, for which prices vary from \$4.25 to \$15.00 per group.

What is New for the Garden of 1922



Our Front Cover Zinnia Collection, 50c

The above sketch supplies the names of the six varieties of Vaughan's Colossal Zinnias, which are illustrated in four colors on our front cover. One packet each of Buttercup, Violet, White, Crimson, Salmon and Pink Colossal Zinnias—6 packets in all—will be sent, postpaid, for 50 cents.

Vaughan's Vegetable Seed Novelties

In this page and the next are listed the newer varieties of vegetables, as well as some particularly good or improved strains of standard kinds, all of which we consider of merit and worthy a trial by our customers. We are offering for the first time in our

catalogue this year: Cabbage, All Seasons Disease Resistant; Celery Emperor; Watermelon, Irish Grey; Canteioupe, Edward's Perfecto; Peas, Early Six Weeks; Tomato, Early Avon; Tomato Gulf State. All are valuable additions to our vegetable varieties.

NEW GIANT RUST-PROOF ASPARAGUS

"WASHINGTON"

The result of many years' work in plant breeding conducted under the direction of the Bureau of Plant Industry of the United States Department of Agriculture. The breeders' endeavor has been to produce a heavy yielding pedigreed rust-resistant strain. The Asparagus plant is dioecious, that is, there are male and female plants and the two parents are required for seed production. A prepotent male plant, "Washington," with a remarkable power for transmitting vigor and rust-resistance to the progeny has been the male parent in the strain we are now able to offer. Numerous carefully selected female plants have been used for the seed production. The Washington stock strain we offer has been produced from seed of the most uniform rust-resistant, highest yielding, largest in size, and quickest growing plants in the original selections. Our growers who have tried this the past two seasons are highly enthusiastic. Limited amounts only.

Washington Stock. Pkt., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.
Roots—2-yr. old, doz., 60c; by mail, 70c; 100, \$3.00; by mail, \$3.50.

We offer limited quantity only of the Mary and Martha Washington strain where selected female plants were used.

Martha Washington Stock. Pkt., 25c; oz., 50c; ¼ lb., \$1.75; lb., \$6.50.

Mary Washington Stock. Pkt., 30c; oz., 85c.

COPENHAGEN MARKET CABBAGE

(Extra Early Uniform Reselection)

For some years there has been complaint that the comparatively new variety, "Copenhagen Market," was "running out," "it has not been uniform;" "it has been later;" "it has more outside leaves"—than when first introduced. We are offering this year, in ounce quantities only, an extra early reselection of this popular variety produced by the European breeder who, we believe, first bred and produced this cabbage. We shall be able to offer this in larger quantity in coming years. We believe if you grow Copenhagen Market it will pay you to acquaint yourself with this strain. Pkt., 15c; ½ oz., 60c; oz., \$1.00.



COPENHAGEN
MARKET CABBAGE



THE CHINESE PE TSAI
THE VAUGHAN STRAIN

CELERY CABBAGE OR CHINESE PE TSAI

This exceptionally fine vegetable is rapidly growing in public favor. It possesses characteristics which place it as a cabbage in a class entirely by itself. In shape it is unlike any other familiar type of the cabbage family. Its habit of growth resembles the Cos Lettuce; the outer leaves, however, have the general texture of ordinary cabbage. Seedlings are so unlike the ordinary cabbage that many planters often think at first they have planted turnips. When the outside leaves are stripped away the cabbage presents a well nigh irresistible appearance combining a picture of Lettuce and Celery. Our strain of this seed is by far the best of any we have seen—grown in China by a specialist, whose family has raised and selected this particular type for many years. Note the compact, tightly folded leaves in our illustration and their beautiful whiteness and crisp appearance. The heads blanch without tying.

"A SALAD VEGETABLE" is David Fairehild's summary of Pe Tsai in a recent Journal of Heredity. As palatable as lettuce, keeps better, equal in food value and can be grown at half the cost of lettuce. Boiled like cabbage it is of equal flavor, without offensive odor and many people who cannot eat or do not like cabbage enthuse over Pe Tsai. Plant in July.

There are several strains, the Vaughan's Pe Tsai is, we think, the best of all.

Pkt., 10c; oz., 50c; 2 ozs., 95c; ¼ lb., \$1.60; lb., \$5.50.

CABBAGE DISEASE (YELLOW) RESISTANT

Wisconsin No. 8

The loss and destruction of large acreages of cabbage by the diseases called "Yellows" in the commercial growing sections of Southern Wisconsin caused an investigation by the Plant Pathologists of the University of Wisconsin. Prof. L. R. Jones of that university has solved the problem of this evil by selecting and breeding a yellows disease proof variety of cabbage which is practically immune from attacks, but no claim is made to freedom or immunity from other diseases, such as club foot, stem rot or black rot. Remarkable success has followed the introduction of this variety in diseased sections. Large crops have been produced from disease resistant seed where other varieties have failed entirely. The type is not as uniform, but in general habit of growing and also good keeping qualities it resembles the Hollander variety. Crop extremely short.

Pkt., 10c; ½ oz., 85c; 1 oz., \$1.50; 2 ozs., \$2.75; ¼ lb., \$5.25; lb., \$20.00.

CABBAGE DISEASE (YELLOW) RESISTANT

All Seasons

This is the strain of early or Kraut Cabbage developed by the Plant Pathologists of the University of Wisconsin, who did such fine work with the Wisconsin No. 8 (a winter variety.) We are fortunate in securing a supply and recommend it as an early sort in those sections affected by the cabbage Yellows disease. Much of the early cabbage around Chicago and in the Racine, Wisconsin district, was a failure last year due to the attack of the "Yellows" disease.

Pkt., 10c; ½ oz., 25c; oz., 45c; 2 ozs., 85c; ¼ lb., \$1.50; lb., \$5.50.

VAUGHAN'S BANTAM EVERGREEN

The Golden Sweet Corn—(See Back Cover Illustration)

One-third larger than Golden Bantam. Ten days to two weeks later, it can be planted with Golden Bantam and will mature later after that variety has passed the usable stage. It is thinner hulled than Golden Bantam and fully equal in quality. Had we only one choice in Sweet Corn this would be it. Market gardeners will find it produces as heavily as a main crop sort and will sell on the market because of its larger size. Better than Golden Bantam. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.



CELERY EMPEROR (New)

A quality variety—almost in a class by itself for flavor and brittleness. It is dwarf in type (hence easier to blanch than taller kinds) second early and a good winter keeper. The stems are round (not moon-shaped), a distinguishing characteristic. Bred especially for freedom from hollow stalks. If you grow celery be sure and plant this for quality.

Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00; lb., \$10.00.



EMPEROR CELERY

Vaughan's Vegetable Seed Novelties

Two Cucumbers

to a Yard



NEW CUCUMBER—"The Vaughan" (See Back Cover)

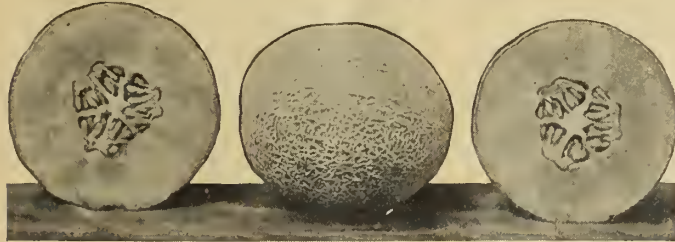
As we prophesized, the "Vaughan" has proven a sensational novelty. It is as much in advance over the Davis Perfect variety as the "Davis" was over the old extra long White Spine sorts. Compared to the other cucumbers of the same class (Long White Spine varieties) like Davis Perfect and Fordhook Famous it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers, who raised it last year, had perfect greenhouse cucumbers raised outdoors. We offer in limited quantities only.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

NEW WATERMELON. "Irish Grey"

A high quality, good shipping, new watermelon from the South. It is of the popular long shape (see illustration), and has a distinct color—a mottled greenish grey. The rind is thin and very tough. As a shipper it is equal to the Tom Watson. Quality is the very highest, sweet, flesh red and crisp (free from stringiness). The plants are vigorous and bear much longer than other sorts, producing fruits when other varieties have died out.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



CANTALOUPE EDWARDS PERFECTO

NEW CANTALOUPE. "Edwards Perfecto"

"Salmon-Fleshed Rockyford"

"Better than Pollock 10-25." It is a new variety developed from the Rockyford Eden Gem by J. R. Edwards of Rockyford. Fruit uniform in size, nearly round, and densely covered with a hard gray netting. Flesh very thick with a delightful salmon-color shading into green as it nears the rind. The Perfecto has the deepest flesh, smallest seed cavity and more salmon color than any type of Rockyford shipping melon. The small seed cavity is an aid in shipping as well as appearance. For the past summer it stood up better than any other sort shipped from Rockyford and New York City and also commanded a premium over any other sort then on the market. The acreage of this will be much increased this season in the Rockyford district. Recommended by well-informed and best-posted melon men at Rockyford.

Pkt., 10c; oz., 25c; 2 ozs., 40c; ¼ lb., 75c; lb., \$2.50. (Large growers write for quantity prices.)

NEW PEA. "Eight Weeks"

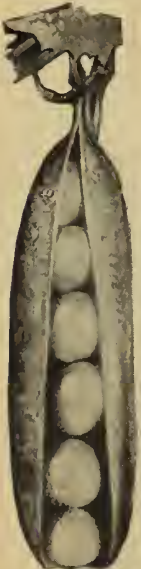
A very early dwarf pea for the home garden. Vines are 8 to 10 inches high only and filled with pods. Peas are of excellent quality—earlier and more dwarfed than the American Wonder. Excellent for the early kitchen garden.

Pkt., 15c; lb., 40c; 2 lbs., 70c; 10 lbs., \$3.00.

NEW TOMATO. "Avon"

A red tomato equally as early as Earliana and a much longer and heavier yielder. The fruits are large, round or slightly flattened, deep scarlet-red color, smooth, free from cracks and of best eating quality. A good sort for market and early home garden use. (See back cover illustration.)

Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.50.



SIX WEEKS' PEA

HUBAM CLOVER Annual Sweet Clover White Blossom

It is our judgment based upon several years' experience with this crop, that it has an important place in American agriculture. It is a wonderful bee plant, it has considerable value as a catch hay crop by itself and as a soil improver sown with oats and barley. It is an excellent drouth-resister. See page 46 for further particulars.

Pkt., 15c; oz., 25c; lb., \$2.00. The pound price includes inoculating material sufficient for this quantity of seed. Ask for our leaflet on Hubam Clover.



WATERMELON IRISH GREY

NEW TOMATO. "Gulf State Market"

A new Tomato developed particularly for the Southern and California trucker. It is a purple tomato developed from the Early Detroit and is as early as the older sort. The vines are wonderfully vigorous and withstand the blight well. The fruits are of good size, smooth, free from cracks, with little depression at the stem. The deep purple-pink color ripens well about the stem. The round or globe-shaped fruits are excellent for packing and the firm skin and solid meat hold up under shipping. Market gardeners should not miss this. Pkt., 25c; ½ oz., \$1.10; oz., \$2.00.



NEW LONG STANDING SPINACH "ANTVORSKOV"

NEW LONG STANDING SPINACH "ANTVORSKOV"

(Danish King)

In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. It is vigorous and a rapid grower. It is ready for use practically as early as any Spinach and remains in condition much longer. The seed is round. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

FLOWER SEED NOVELTIES



COSMOS EARLY FLOWERING MAMMOTH

ANTIRRHINUM

- 4000 Majus Grandiflora, Torchlight □. A splendid new Snapdragon of stately habit, throwing long and massive flower spikes, which show off to perfection the brilliant hue of the flowers. A vivid orange with yellow center, slightly tinted with carmine above. Pkt., 20c.
- 4001 Maximum Giant Flowered Defiance, Brilliant scarlet. Pkt., 15c.
- 4002 —Fairy Queen. Terra cotta. Pkt., 15c.
- 4003 —Gotelind. Pale orange with lemon spot on lip. Pkt., 15c.
- 4004 —Krimhilde. Purple carmine, white throat. Pkt., 15c.
- 4005 —Maralda. Copper-carmine with yellow eye. Pkt., 15c.
- 4006 —Ruby. Velvety ruby-red. Pkt., 15c.
- 4007 Maximum or Giant, Flowered Mixed. All the above and others. Pkt., 15c.
- 4008 Majus Nanum, Buff Queen. Lovely shade of rose, canary lip shaded orange. Pkt., 15c.
- 4009 Tom Thumb, Orange-yellow. New attractive color. Fine for edging, 7 inches. Pkt., 15c.

ASTER

- 4010 American Beauty, Carmine-Rose □. 2½ ft. Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identical with the world-famous American Beauty Rose. Pkt., 10c.
- 4011 American Beauty, Purple. Same as above, but a beautiful rich, velvety purple. Pkt., 10c.
- 4012 American Beauty, Lavender. Beautiful clear lavender. Pkt., 15c.
- 4013 American Beauty, Sept. Beauty. Delicate, soft shell pink. Pkt., 15c.
- 4014 American Beauty, Rose Pink. Pkt., 15c.
- 4015 American Beauty, Mixed. The above colors mixed. Pkt., 15c.
- 4016 Heart of France □. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. Pkt., 15c.
- 4017 Ostrich Plume, Terra Cotta. Flowers remarkably rich color, petals daintily curled and stems long and strong. A most unique color. Pkt., 15c.

CELOSIA CHINESE WOOLFLOWER

- 4018 Deep Rose □. This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Many have grown the former in the last few years and have been pleased with the flowers which appear like bunches of wool on the end of the flower stalks, so we recommend this new color. Pkt., 15c.

CLEVELAND CHERRY

- 4019 This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 15c.

COSMOS □

Anemone Flowered or Crown and Crested. These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same. A large percentage come true from seed, both as to color and doubleness. The single, which the strain produces, is also very beautiful.

- 4020 Anemone, Flowered. Pink Beauty. Pkt., 15c.
- 4021 Anemone, Flowered. White Queen. Pkt., 15c.
- 4022 Anemone, Flowered. Mixed. Pkt., 15c.
- 4023 Double Early Flowering Pink. These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 75 per cent double from seed. They bloom in 70 days from day seed is sown, so that seed sown the later part of April will easily be in bloom by the Fourth of July, and continue until cut down by frost. Pkt., 25c.

- 4023A Early Harbinger. Mixed. This greatly improved type contains a greater number of shades than any other grown, such as soft shades of pink, peach, apple blossom, lavender and other intermediate shades, in addition to the more common colors of crimson, pink and white, as all select hand picked, and all giant flowered of the early flowering type. Seed grown in the New England States. Pkt., 25c.

DAHLIA SELECTA

- 4024 Extra Double Giant Flowered. A most beautiful mixture of the very best new double dahlias, with flowers on stiff, erect stems. There is nothing better. Dahlias will bloom the first year from seed. Pkt. (50 seeds), 50c.

DELPHINIUM

- 4025 Blue Butterfly, Improved □. 15 in. A charming Salvia-blue, annual variety; forming compact free flowering bush. Pkt., 15c.
- 4026 Lavender Butterfly. An annual dwarf Larkspur of a beautiful Cambridge Blue color. Paler form of Blue Butterfly. Pkt., 15c.
- 4027 Stock Flowered, Exquisite Pink □. The color of this charming new Larkspur is a beautiful soft pink and it will make a beautiful addition to the other existing colors. They are wonderful as cut flowers. Seed should be sown very early in the spring or very late in autumn. Pkt., 15c.

DIANTHUS

- 4028 Laciniatus Splendens □. The flowers are beautifully fringed and come in various shades of red with large white centers and white edges around the petals. The plants are of compact habit like all the Laciniatus sorts. Pkt., 20c.
- 4029 —Maggie □. A single annual, ever-blooming Garden Pink with large flowers of the deepest dark red, almost as black as Pansy Dr. Faust, edged with clear silvery white. The marking is very clear and conspicuous. The plants are very free-blooming and the plants are of rather dwarf and compact habit. Pkt., 20c.
- 4030 —Violaceous Pl. Double Violet Queen □. The plants form graceful little bushes and are covered with double brilliant purple, violet-blue flowers—an entirely new shade among annual pinks. Pkt., 25c.
- 4031 Miss Gladys Cranfield. A perennial Pink with single bright rose flowers, with velvety crimson eye. A charming addition to the perennial garden. Pkt., 35c.

DIDISCUS

- 4032 Coeruleus, Lavender Lace Flower □. 3 ft. Long stemmed lavender flowers; look like blossoms of Queen's Lace Handkerchief. A constant bloomer. The culture is not at all difficult, only the seed is somewhat slow in germinating. To be sown in a medium hot frame, like Phlox or Verbenas in February or March. Seed will germinate after about 4 weeks. Keep frame closed until the seedlings form their leaves, then give plenty of air when weather permits. To be planted out in May in partial shade. Pkt., 10c.

ESCHOLTZIA

- 4033 The Geisha □. 1 ft. A new fluted Escholtzia of fantastic oriental effect, the petals being prettily crimped, which adds light and shadows to the brilliant coloring—orange red outside, rich golden within. Habit of plant, bushy, compact and upright. Pkt., 15c.

GEUM

- 4034 Lady Stratheden. It is a counterpart of the popular scarlet variety Mrs. J. Bradshaw, only the blooms are a rich golden yellow. A splendid new perennial. Pkt., 35c.

ISOLOMA

- 4036 (Hireutum Multiflorum Hybridum) +. The large leaves, which are of a texture similar to those of the Gloxinia are of a rich dark green; the reverse of them, as well as the flower stalks, are covered with bright red hair. The flowers are produced in abundance and in various colors and color combinations. The plants grow from 12 to 18 inches high, are bushy and require no staking. Their culture is similar to that of the Gloxinia and other Gesneriaceas. Seed sown in January or February will bloom in June or July, and will continue to flower until winter without cessation. Their constitution is very robust, which enables them to thrive in living rooms. This is a most desirable pot plant. Pkt., 50c.

LILIUM REGALE

- 4037 (The Regal Lily). It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink, with a beautiful shade of canary yellow at the centre, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most lilies. Blooms out of doors early in July, and seedling bulbs will flower the second year. Pkt. (25 seeds), 25c; 5 pkts. for \$1.00.



DIANTHUS Laciniatus

FLOWER SEED NOVELTIES

GOMPHRENA

4035 Orange (Globe Amaranth) □. A showy everlasting with clover-like heads. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.

MIGNONETTE

4038 Vaughan's Giant Rocket □. 1 ft. The largest and most robust variety. The flowers are wonderfully fragrant and produced in great abundance. Many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 15c.

MIRABILIS (Four o'Clock)

4039 Red. The old-fashioned mixed Four O'Clocks are well known, but this is the first time we have offered the red separately. The bright, green fleshy foliage is very attractive all summer and the flowers fairly cover the plant in early morning and late afternoon. Oz., 30c; pkt., 10c.

MYOSOTIS

4040 Blue Bird. A beautiful winter-flowering Forget-Me-Not. An English specialist selection from the Oblongata class. The only Myosotis which has received an award of the British Royal Horticultural Society in many years. Pkt. (about 50 seeds), 50c.

PANSY

4041 Apricot Queen. A very pretty apricot, shaded yellow. The plants are very free flowering and compact, which makes it excellent for bedding work. Pkt., 25c.

4042 Boulogne, Giant Mixture. The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. Pkt. (100 seeds), 50c.

4043 Orchid Flowered, Sunset. Cinnabar and golden chamois. Odd, but pleasing combination of colors. Pkt., 25c.

4044 Special Mixture of Orchid Flowered Varieties. Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled and veined in contrasting colors. Pkt., 25c.

PENTSTEMON

4045 Sensation. Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome flowers. Often two inches across and in the most brilliant and varied colors. Pkt., 25c.

PETUNIA □

4046 Rosy Morn, Improved. 12 in. The plants are bushy and compact, the medium sized flowers, produced in great abundance throughout the entire summer and fall, are of a most pleasing clear pink, contrasted by a broad, white throat. A splendid sort for porch boxes, pots and beds. Pkt., 25c.

4047 Dwarf California Giants. The habit of the plant is very dwarf, flowers very large and of the finest substance, very fine range of color. Pkt., 35c.

4048 Copper Rose. Enormous flowers of wonderful color with a deep white throat, deeply veined—a shade that attracts and holds your attention. The substance of the petals is firm with a velvety surface. Free flowering, but shy seeder. Pkt., 35c.

PHLOX

4049 Dr. Nana Compacta, Coerulea Stellata □. Dwarf compact bushes, blue with white star; splendid for edging, blooms all summer. Pkt., 15c.

POPPY □

4050 American Legion. This new single Shirley poppy is a dazzling orange-scarlet of enormous size, borne on long, stout stems. The plants are of very erect robust growth and the flowers are wonderful keepers when cut in bud. A bunch was a beautiful sight for several days when put in water after a four-day trip from California in an ordinary box without the benefit of refrigeration. Oz., \$1.00; Pkt., 25c.

4051 Blue Shirley. The Shirley Poppies all have finely cut hairy foliage. The flowers have white centers. This sort appears in various shades of blue. Pkt., 15c.



SCHIZANTHUS

POPPY—Continued.

4052 Rose Shirley. Shades of rose with white centers. Pkt., 15c.

4053 Annual Oriental. A new strain of the Oriental Poppy, which will bloom the first year, if sown early. Pkt., 25c.

SCHIZANTHUS

4054 Grandiflorus, Garaway's Hybrids □. 2 ft. A grand strain having graceful fern-like foliage and bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. If seed is sown in February plants will bloom in summer, and if sown in May or June will make handsome subjects for the conservatory in winter. Pkt., 25c.

SENECIO

4055 Multibracteatus. 2 ft. A new greenhouse perennial of great merit. The plants produce a large sheaf of long-stemmed Cineraria-like flowers of a clear rose color with brilliant yellow centres. Invaluable for table decoration, especially under artificial light. May also be used for summer bedding. Pkt., 50c.

STOCK

4056 Beauty of Nice Aurora. Flowers are buff, rosy pink, really a rose chamois. A very dainty and attractive color. Pkt., 15c.

4057 Mammoth Ten Week, Heatham Beauty. A new and quite distinct color in this grand class of Ten Week Stocks. The plant is of pyramidal habit, with very large flowers of a rich mauve, shaded terra cotta. Pkt., 20c.

SWEET PEAS—Spencer Varieties

The general list of our Spencer varieties have been included in the body of catalog, but below we offer the newer sorts in the Late and Early Flowering sorts. Each packet contains 25 seeds.

Late Flowering Sorts

4058 Alexander Malcolm. Glowing scarlet cerise. Oz., 80c; Pkt., 15c.

4059 Eva. Large, pure white of good substance. Oz., \$1.20; Pkt., 25c.

4060 Golden Glory. Glowing orange. Oz., 80c; Pkt., 15c.

4061 Hawlmark, Pink. The richest colored Sweet Peas ever seen; rich, bright rose pink, deeply flushed and shaded salmon. This is the finest Sweet Pea introduced for several years. Oz., \$1.00; Pkt., 20c.

4062 Hawlmark, Lavender. The best color of its kind. It is a true clear, light lavender of very large size. Pkt., 25c.

4063 Mrs. Arnold Hitchcock. Pale pink, flushed with salmon on a cream ground. Oz., 60c; Pkt., 15c.

SWEET PEAS—Continued

4064 Mrs. Tom Jones. Bright delphinium blue, a very attractive color. Oz., 80c; Pkt., 20c.

4065 Picture. Color, flesh-pink with a rosy flush, the whole suffused and shaded with creamy apricot. Oz., \$1.40; Pkt., 25c.

4066 Royal Scot. The most brilliant scarlet. It does not fade or burn in the hottest sunshine. Pkt., 25c.

4067 Tangerine. Deep orange colored flower, almost approaching the color of a tangerine orange. Large sized and beautifully waved. Oz., \$1.00; Pkt., 20c.

Early Flowering Sorts

4068 All White. An early King White. Pkt., 25c.

4069 Fair Maid. Finest blush pink suffused salmon, on white ground. Pkt., 25c.

4070 Harmony (Early Masterpiece). The best clear lavender self waved. Pkt., 25c.

4071 Madonna. Black seeded white. Unlike other black seeded white, it has no trace of a pink tinge. Pkt., 25c.

4072 Nightingale. Bluish lavender. Pkt., 25c.

4073 Torch. Salmon orange. Same shade as Illuminator in the late Spencers. Pkt., 20c.

4074 Scarlet Emperor. Pkt., 25c.

TITHONIA SPECIOSA

4075 Mexican Sunflower. A rare plant from Mexico. Perennial throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house, if lifted before frost. Pkt., 25c.

TRITOMA

4076 Hybrida Mirabilis □. An annual Red Hot Poker Plant. Seed should be sown in temperate heat from January to March, pricked off and treated like half hardy annuals. The seedlings may be planted in open, grown from end of April to May and they will bloom freely from August to late in the autumn. Pkt., 15c.

VIOLA

4077 Barr's Bedding. These beautiful tufted Pansies give a continual mass of bloom of bright and attractive colors from spring to autumn. The flowers are mostly self-colored and rayless; cut back in July after the first flowers are over and the plants again burst into bloom. Pkt. (120 seeds), 50c.

ZINNIA □

4078 Dahlia Flowered Mixed. The plants of this new race are very sturdy and produce many flowers with stout stems. In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance, the flowers compare with the Show Dahlias. Pkt., 25c.

4079 Colossal Buttercup. Buttercup is identical with the other Giant Zinnias, color, pleasing deep primrose, which holds its color in bright sunshine. Pkt., 25c.

4080 Colossal, Apricot Yellow. A charming new shade in this popular flower. Pkt., 15c.

4081 Colossal, Burnt Orange. An attractive color. Pkt., 15c.

4082 Colossal, Salmon Shades. Beautiful shades, all of a rich salmony pink. Pkt., 15c.

4083 Colossal, Shrimp Pink. A delicate and pleasing shade. Pkt., 15c.

4084 Elegans Isabellina. A beautiful cream color. A favorite of Mrs. Francis King of Alma, Michigan. Pkt., 10c.

4085 Giant Picotee. Mixed. A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations. Pkt., 20c.

4086 Picotee, Golden Pheasant. A variety of the above, having flowers of a deep orange with maroon tips. Pkt., 25c.

4087 Picotee, La France. Beautiful soft pink, each petal distinctly tipped with chocolate markings. Pkt., 25c.

4092 Vaughan's Special Mixture. This mixture contains everything that is good, new, choice and rare in Zinnias, including the Dahlia-Flowered, Picotee and Colossal types, and is sure to produce the most pleasing and satisfactory results. 3 Pkts., 65c; Pkt., 25c.

Grass Seed for Turfs

IN the past few years due to the impossibility of importing most of the European Fancy Grasses, so-called—American Golf Clubs and other American "turf" users have been compelled to use native grasses and with surprisingly good results and at a great saving of money. Red Top and Kentucky Blue Grass are at present the two important American lawn species. Rhode Island Bent may come into its own in a few years providing present efforts to establish a growing center in New England are successful. For spring sowing we shall have, this year, in limited quantities the old European favorites: Red Fescue, European Mixed Bent (Creeping Bent) and Cheving's Fescue to offer. We quote special prices to golf clubs based on quantities desired and are pleased to quote by sample with analysis of purity and germination. (See pages 100 and 101 for our list of grass varieties.)

HOW TO MAKE A LAWN—Have soil thoroughly spaded up, enriched with commercial fertilizer or well rotted manure, level and roll it well to make compact. Select a still, damp day for seeding; sow one-half of the seed from North to South and half from East to West, rake it over and roll again, when grass comes up replanting bare spots. When grass is 2 inches high cut it, and as necessary thereafter. Don't rake up short clippings as they make a good mulch. Always thoroughly soak a lawn when sprinkling, when required, but never sprinkle lightly. Free booklet, "How to Make a Lawn." Send for it.



VAUGHAN'S PUTTING GREEN MIXTURE

A carefully blended and properly proportioned mixture that contains only such deep rooting grasses as will produce a close and permanent turf.

Price, 1 lb., 75c; 5 lbs., \$3.50; 50 lbs., \$33.00; 100 lbs., \$65.00. We recommend 50 lbs. to the green 100 feet square.

Special prices quoted on large quantities.

VAUGHAN'S FAIRWAY MIXTURE

Although of less importance than that for Putting Greens, has been made up with the same scrupulous care. It is composed of perennial native and foreign grasses, of proven value for Fairways, and produces a firm and lasting turf that improves with age if properly cared for.

Price, 1 lb., 50c; 5 lbs., \$2.40; 50 lbs., \$22.75 100 lbs., \$45.00. Sow 100 to 150 lbs. to the acre. Special prices quoted on large quantities.

VAUGHAN'S TENNIS COURT MIXTURE

Undoubtedly the best there is, not only for Tennis Courts, but for Cricket grounds, Bowling greens, etc. Sow 50 to 60 lbs. per acre for new greens; 15 to 20 lbs. to improve existing turf. Price, 1 lb., 70c; 5 lbs., \$3.25; 50 lbs., \$30.50; 100 lbs., \$60.00.

VAUGHAN'S "Chicago Parks" LAWN SEED



ALTHOUGH last summer's drouth in America and Europe caused a great scarcity in grass seeds of the better sorts, and wholesale prices have advanced to a record-breaking point, we have refused to lower the high standard of quality maintained in our mixtures for more than forty years. **OUR PRICES ARE THE LOWEST** it is possible to make without the use of light weight seed and undesirable substitutes, which in the end would be more costly to our customers than good seed, were we to sell them.

VAUGHAN'S "CHICAGO PARKS"

Vaughan's "Chicago Parks" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest grades of evident purity and germination.

For more than 40 years it has been standard in America, each year adding to its popularity and increasing sales.

In the great parks and cemeteries, where best results must be had in order to produce beautiful and enduring turf, Vaughan's "Chicago Parks" is used almost exclusively.

Many of the beautiful lawns on the large private estates in New England, Long Island, New Jersey and throughout the middle west, rivaling the famous English lawns, were produced with Vaughan's "Chicago Parks" Lawn Seed.

Vaughan's "Chicago Parks" lawn grass seed is thoroughly cleaned, then re-cleaned. This applies to all the separate kinds of seed contained in the mixture, besides which each lot is tested for germination, in the most painstaking and careful manner.

1/2 lb., 25c; 1 lb., 50c; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.00; 20 lbs., \$9.25; 25 lbs., \$11.50; 50 lbs., \$22.75; 100 lbs., \$45.00.

Postage 8c per lb. extra. See Special prepaid offer below.

Write for special prices on large quantities.

QUANTITIES OF SEED TO USE FOR NEW LAWNS

1 lb. for 300 square ft.	25 lbs. for one-fourth acre.
5 lbs. for 1,500 square ft.	50 lbs. for one-half acre.
10 lbs. for 3,500 square ft.	100 lbs. for one acre.
15 lbs. for 4,250 square ft.	

For Old Lawns, use half above quantities to get ideal results. Sow early before withering summer heat comes on.

Cultural leaflet—"How To Make a Lawn" FREE. Send for it.

VAUGHAN'S SPECIAL GRASS MIXTURE

Contains a large proportion of the finer, and more expensive grasses, like Rhode Island Bent, Red Fescue, Kentucky Blue, etc., in extra heavy samples, making weight 20 lbs per bushel. Produces turf of closest, finest texture. Sow 100 lbs. to acre.

Price, per quart, 60c; bushel of 20 lbs., \$10.00.

SPECIAL PREPAID LAWN SEED OFFER

On all orders of Lawn Grass Seed amounting to \$2.00 and over, we pre-pay transportation within 300 miles of Chicago or New York. See other Prepaid Offers on inside back cover page.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns or Sandy Soil.

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture.

To provide **sure** and **beautiful** lawn grass under such conditions, Vaughan's "Columbian" has been prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the United States justifies its use by every one who needs lawn seed for a shady place or for light, sandy soil.

Price, lb., 50c; 5 lbs., \$2.40; 10 lbs., \$4.75; 20 lbs., \$9.25; 25 lbs., \$11.50; 50 lbs., \$22.75; 100 lbs., \$45.00.

Write for special prices on large quantities.

VAUGHAN'S DENSE SHADE MIXTURE

Composed of grasses most suited for growing in heavily shaded situations.

Price, Per lb., 75c; 5 lbs., \$3.60; per bu. of 20 lbs., \$14.00

Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burned spots. Sow in very early Spring, or late Summer and Fall (end of August to middle of October); also before every Summer rain, on thin places. Price, per quart, 50c; per bushel of 24 lbs., \$11.00.

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, per lb., 35c; 5 lbs., \$1.60; 100 lbs., \$30.00.

Kentucky Blue Grass We offer in two grades—Extra Fancy Seed. sun-dried, twice re-cleaned. Of very high germination. 1 lb., 75c, (by mail, 83c); 5 lbs., \$3.75; 10 lbs., \$7.20; 100 lbs., \$70.00. Fancy Seed—Actual weight 21 lbs., per bushel. 1 lb., 65c; 5 lbs., \$3.15; 10 lbs., \$6.20; 100 lbs., \$60.00.

Red Top Grass Fancy re-cleaned. Solid seed, 32 lbs. to bushel. 1 lb., 40c, (by mail, 48c); 10 lbs., \$3.50; 100 lbs., \$30.00. Common unhulled—Bushel 14 lbs. 1 lb., 28c; 10 lbs., \$2.35; 100 lbs., \$18.00.

White Clover Extra fancy seed. 1 lb., 75c; 3 lbs., \$2.15; 10 lbs., \$7.00. Add 8 cents per pound to above prices if wanted by mail.

VAUGHAN'S LAWN FERTILIZER

DIRECTIONS: As a top-dressing make first application in early Spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. An equal quantity of sandy loam or good garden soil added to the fertilizer will make distribution easier and will serve to prevent burning. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price, 5 lbs. 40c; 10 lbs. 70c; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.25; 250 lbs. \$8.50; 500 lbs., \$14.50; 1,000 lbs. \$27.00. 2,000 lbs. \$50.00.

ANY man can spare an hour a day for a vegetable garden. The accompanying plan 25x25 feet, a size which the smallest city yards usually can accommodate, will furnish vegetables in wide variety from spring until fall and with a few to store which may last till Christmas. It can be kept in first-class shape with an average of an hour a day devoted to it.

After the first work of getting it spaded, laid out, and the seed sown, perhaps it will not be necessary to give an hour every day to it.

The planting, of course, will not come all at one time, the hardest subjects, such as radishes, lettuce, spinach, onion sets, carrots and Swiss chard coming first, followed by early peas with beans, corn, tomatoes, peppers, egg plants later.

The plan is largely self-explanatory. With the early sowings of spinach, lettuce and

An Hour-a-Day Vegetable Garden

July for the second crop. Chinese cabbage and endive will give fall salad until Thanksgiving. Half a dozen egg plants and a dozen pepper plants will well repay any care. Give the egg plants two feet of space and the peppers about 18 inches between plants.

seeds are sown. All vegetable seeds offered in this catalogue are of the very highest quality, tested for their vitality, the crops being gone over carefully and varieties not true to type pulled out in order that the seed may be up to standard. This seed is all fresh,

last years' growth, there being no hold-over from previous years.

It is important in buying seeds to select varieties that are best in table quality. Market gardeners cannot always do this. A noted French seedsman once made the remark: "The American people eat with their eyes," meaning large size and high color had more to do with the popularity of varieties in our country than tenderness or flavor. The home gardener can and should produce much better vegetables than he can buy. Below we give a list of the better flavored and more tender vegetable varieties:

- Beans.** Stringless Green Pod, Bountiful Green Pod, Wardwell's Kidney Wax, Round Pod Kidney Wax, Fordhook Bush Lima.
- Beets.** Vaughan's Fireball, Select Detroit.
- Cabbage.** All Head, Glory of Enkhousen, Chinese or Pe-Tsai, Improved American Savoy, Black Diamond.
- Carrot.** Chantenay Nantes.
- Cauliflower.** Vaughan's Snowball.
- Celery.** Vaughan's Select Golden Self Blanching, Easy Blanching.
- Sweet Corn.** Golden Bantam, Bantam Evergreen, Black Sugar, Country Gentleman.

radish, with onion sets between the rows of radishes and lettuce, the garden is started. These vegetables should be planted in rows a foot apart. By the time the spinach and lettuce have been used the onion sets will be ready to pull for young onions or a part may be allowed to remain for a mature crop.

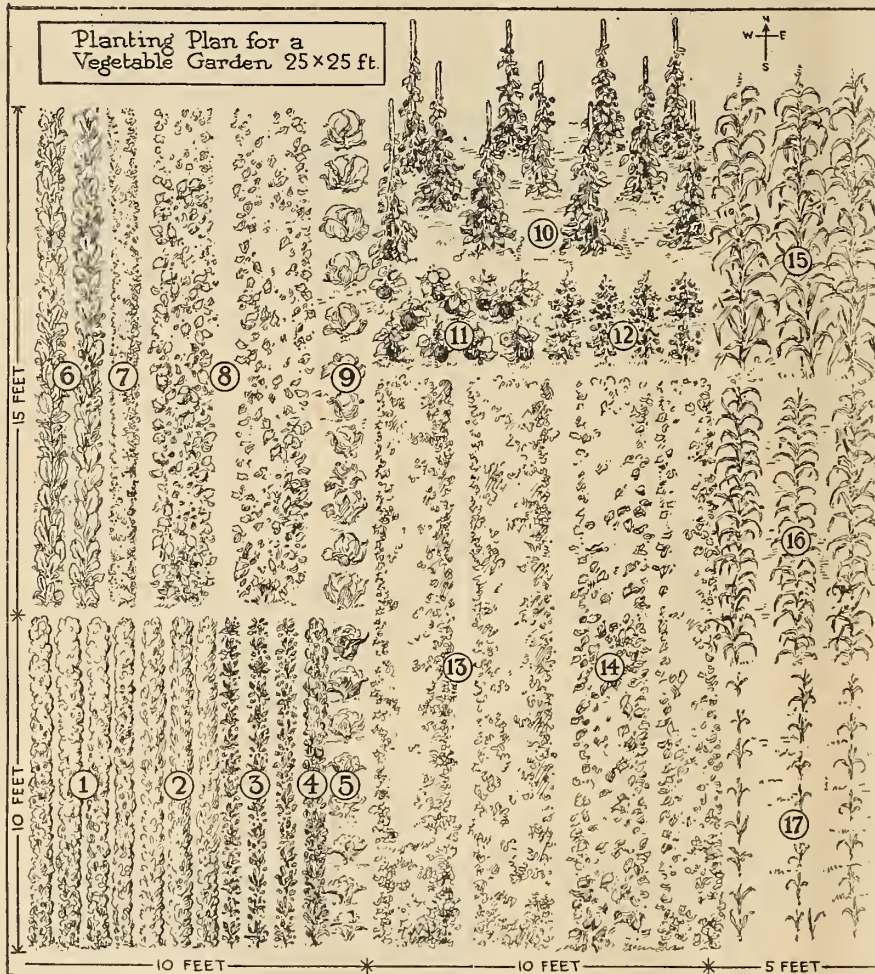
As a 25-ft. row would give too much of a mature crop at once for the ordinary sized family, only 10-ft. rows are planted, the other half of the rows being put into carrots and Swiss chard, with a first planting of wax beans.

With the removal of the very early crop, late cabbage plants may go in. When the early carrots, chard and early bean crop are waning, seeds of cucumbers may be planted between the rows and the vines will be ready to occupy the space when the early crops have been harvested.

A 5x10-foot space has been set apart for pole lima beans. In a small garden, pole limas are recommended instead of the bush varieties because of the much greater crop which may be secured from a small space.

Eight-foot poles, to be sunk two feet in the ground that they may be solid will fill the bill. Strings may be run from top of pole to pole along which the beans may run and they can be harvested handily.

Tomatoes as a follow crop for the early peas may be set between the rows of peas as soon as the weather is settled, about May 1, usually. The peas should be planted in double rows four inches apart with eighteen inches between the double rows. Green beans can be grown in rows a foot apart with the plants eight inches apart or in hills a foot apart if the ground is well fertilized. Turnips and kohlrabis may be sown early in



Key to Above Planting Plan

1. Spinach—Onion sets between rows	
2. Lettuce	
3. Radishes	} Followed by late cabbage
4. Beets	
5. Cauliflower	6. Swiss Chard
7. Carrots	8. Wax Beans—Interplanted with Cucumbers
9. Early Cabbage	
10. Pole Beans—Lima and Kentucky Wonder	
11. Egg Plants	12. Peppers
13. Peas—Followed by Tomatoes	
14. Green Beans—Followed by Turnips, Kohlrabi, Chinese Cabbage and Endive	
15. Corn—First planting	} Interplanted with Squash and Pumpkin
16. "—Second "	
17. "—Third "	

- Cucumber.** The Vaughan, Chicago Pickle.
- Lettuce.** Grand Rapids Leaf, Wayahead, Big Boston, Express Cos, Trianon Cos.
- Muskmelon.** Emerald Gem, Milwaukee Mkt.
- Parsnip.** Vaughan's Marrowfat.
- Pepper.** Upright Salad, Magnum Dulce.
- Peas.** Little Marvel, Laxtonian, Gradus, Dwarf Defiance, Alderman.
- Potatoes.** Early Ohio, Nebraska.
- Radish.** Giant Butter, Icicle, Scarlet Globe.
- Squash.** Delicious.
- Tomato.** John Bauer, Ponderosa, New Globe, Stone, Dwarf Stone, Avon Early.

**PLANT
THE BEST**

For the Vegetable Garden

**PLANT
THE BEST**

When you buy SEED, you pay for the PLANTS it may produce. Two packets may be identical in size, but if one is only 10 cent. fertile, while 90 per cent of the second produces plants, then in value to you the second is nine times as large as the first. You may easily pay as much for the poor seed, as for the good; and never, we venture to say, is the difference in cost as great as the difference in quality. Vaughan's Seed Store sells the best seeds as cheaply as they can be sold. We have proved this for 45 years.

ASPARAGUS

SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

ROOT PLANTING—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

Early Giant Argenteuil

Famous Parisian Asparagus. Grows to large size, vigorous and fairly free from rust, superb flavor. Our seed is from one of the largest plantations near Paris. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., \$1.00.

Bonvallet's Giant

Equally good, grown white or green. The white grass is produced by planting deeper than for green, the stalks being cut underneath as the tips show above the ground. Bonvallet's Giant is now planted by the market growers in the Middle West to the exclusion of almost all others on account of its extreme vigor and rust-resistance.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Palmetto. Standard light green.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Columbian Mammoth White. Large semi-white shoots—without earthing up.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Conover's Colossal. A large, fast-growing variety.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Washington Rustproof

We are pleased to be able to offer seed of this new American strain of Giant Asparagus. It is the first result of a plant-breeding campaign started by the United States Department of Agriculture to produce a rust-resistant asparagus. Rust-resistant and vigorous plants selected from thousands have been crossed with a single male plant "Washington" and most careful re-selection practiced. We urge all, and especially commercial growers, to give this a thorough trial.

Pkt., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

Roots—2-year old, doz., 60c; by mail, 70c; 100, \$3.00; by mail, \$3.50.



BONVALLET'S GIANT

Asparagus Roots

	1-Year Old			2-Year Old			3-Year Old		
	Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant	\$0.30	\$1.65	\$12.00	\$0.50	\$2.50	\$17.00	\$0.75	\$3.00	\$25.00
Barr's Mammoth50	2.50	17.00	.75	3.00	25.00
Argenteuil (Giant)50	2.50	17.00	.75	3.00	25.00
Conover's Colossal50	2.25	15.00	.75	3.00	25.00
Columbian Mam'th50	2.35	16.00	.75	3.00	25.00
Palmetto50	2.25	15.00	.75	3.00	25.00

If by mail add { Doz., 5c { Doz., 8c Roots and transplants,
postage as follows: { 100, 35c { 100, 50c By express only.

Extra heavy 3-year old transplants for forcing and immediate results. Palmetto, Argenteuil and Bonvallet's Giant, doz., \$1.25, postpaid; not prepaid, 100, \$4.50; per 1000, \$35.00.

Artichoke

Green Globe. Perennial, large-flowering heads, cooked like Asparagus. Matures second year; not hardy in the north.

Pkt., 10c; oz., \$1.25.

Jerusalem Artichoke Roots. Best hog food known. Easily grown. Three bushels plant an acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. Lb., 35c; 3 lbs., 85c.

Chicago, freight or express; Pk., 85c; bu., \$2.50; bbl., (2½ bu.) \$5.50.

New York, by freight or express: Pk., \$1.00; bu., \$3.00; bbl., (2½ bu.) \$6.50.

Use Poles at Least
6 Feet

Bush—LIMA BEANS—Pole

Plant With Eyes
Down

New Wonder Bush Lima

The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes Vaughan's Strain of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds.

Vaughan's New Wonder, bred from one of the earliest bush limas, is a greatly improved sort in compactness, little tendency to make runners, and in earliness.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.60.

Fordhook Bush Lima Bean

is the old "Dreer," "Potato" or "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this new Fordhook is tender, sweet and juicy; a richly palatable bush lima bean.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

Improved Bush Lima—Burpee's

This improved Burpee's has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction to patrons.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

Bush Lima—Dreer's. Dwarf variety of Dreer's Improved Lima; does well in dry seasons; pods contain 4 to 5 beans of fine flavor; 150 to 200 pods on a single plant show its prolific growth.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

Bush Lima—Burpee's. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds; thick stems furnish fine support; very productive and splendid quality.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

Bush Lima—Henderson's. Crop reliable, very productive, compact form, free from mildew.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Write for prices on 100-lb. lots or larger on any kind.



NEW WONDER BUSH
LIMA

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. Many, however, consider the Tall Lima the best-flavored of all beans.

Carpinteria Pole Lima

Many expert growers declare Vaughan's "Carpinteria" is the most "perfect Pole Lima Bean." It is as prolific as any white lima; the vines are strong and vigorous, having many stalwart runners bearing great quantities of elegant pods, each containing usually four big, full, fat, juicy beans of delicious flavor.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

Early Leviathan

Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together and they are full of fine beans of excellent flavor.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Siebert's Early Lima

Hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Extra Early Jersey Lima.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

King of the Garden. A climber that blooms and produces to end of season. Uniform pods 5 to 8 inches long, filled with beautiful beans of superior quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Large Lima. Very attractive.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Ford's Mammoth. Pods grow in large clusters and contain from 5 to 7 good beans; edible, green or dry.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Challenger or Dreer's Improved. Thick pods, good size and flavor.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

Ideal Pole Lima. Excepting only "Carpinteria," this is best for market in Central States and where main crop can mature. Pods are large some 8 inches long.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.



CARPINTERIA—NEW
GREEN SEED LIMA

PLANT THE BEST

Our bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express, to equalize the difference in mailing cost, the packages contain more seed. The prices, except for pkts., lb. and 2 lbs., do not include postage.

WAX SORTS

VAUGHAN'S



IMPROVED GOLDEN WAX

The Small Garden Standby

Bush Beans are much earlier than Pole Beans, and are usually the main crop in northern gardens. Sow when the ground is warm in rows about fifteen inches apart and thin the plants to about four inches apart in the rows. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods, and cultivating, while the vines are wet or damp with dew, spreads disease.

Improved Golden Wax

A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden-yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor, make fine eating. May be sown any time to early fall, with assurance.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



Pencil Pod Black Wax

Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, containing black seed of excellent quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



Davis Kidney Wax

Vines vigorous and very prolific, bear handsome waxy white pods 7 inches long; the finest appearing of all early wax beans.

To make this variety entirely rust-proof we select constantly and with great care. The dried beans are kidney-shaped, clear white, splendid for haking; but grown for Snap Beans they should be used while young, when grown from strings.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



Sure Crop Wax

BLACK SEED. An extra early, perfectly stringless flat Wax Bean. The pods are large and of a golden-yellow color, which they assume when still very small.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



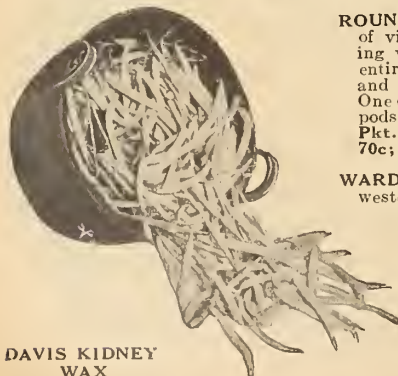
ROUND POD KIDNEY WAX. Is early, of vigorous growth with heavy yielding vines; pods are long, round and entirely stringless; have fine flavor and are edible to the very tips. One of the best of the round pods.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.



WARDWELL'S KIDNEY WAX. In western prairie soil this sort is at its best, and gives most gratifying results. The pods are 7 inch long, flat, brittle, stringless, straight, finely shaped, beautiful yellow, distinct and attractive; they make delicious eating.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



DAVIS KIDNEY WAX

CURRIE'S GOLDEN WAX. Early, hardy, nearly rust-proof. Long, golden-yellow pods, crisp and tender. The seed is black. The much-planted sort. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

HODSON WAX. The greatest yielder of garden varieties. Season medium early, vines bear a mass of long, straight pods, resembling the Davis Wax. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

MICHIGAN WHITE WAX. A white seeded, high quality Golden Wax type. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

WEBBER WAX. A Bean of the same season and utility as Wardwell's Wax and Davis' Kidney Wax. The pod is long, handsome bright yellow in color. Seed yellow. Hardier and more prolific than Wardwell's. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

GOLDEN EYE WAX. Early, large flat pods.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

VIOLET FLAGEOLET WAX. Resists rust; pods large, flat yellow.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

CHALLENGE BLACK WAX. Early; pods tender and stringless; seed black.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

PROLIFIC BLACK WAX. Very early; prolific long pod.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

New Kidney Wax

A flat, long-podded, beautiful wax bean, perfectly stringless and of the highest eating quality. Round podded wax beans have generally been regarded as of better quality than the flat sorts; there is a flat podded bean, however, with all that can be desired as regards appearance, tenderness and flavor. In addition to these features the New Kidney Wax is a robust grower and a splendid yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

Ten Ways to Cook Beans

It is of the greatest importance to the home gardener that the products of his wheel hoe be served properly. A good cook will double the value of a garden.

Most of us know one good way to cook everything but one way becomes monotonous, and we let good vegetables go to waste for lack of knowledge how to make them taste different.

Vaughan's Vegetable Cook Book supplies this knowledge. It contains a collection of tested recipes for preparing garden vegetables. Under the heading of Beans, for example, there are ten recipes. There are 64 pages of solid information and it is sent, if requested, with each order of \$1.50 or over, or sold for 35 cents.

Vegetable

Nomenclature

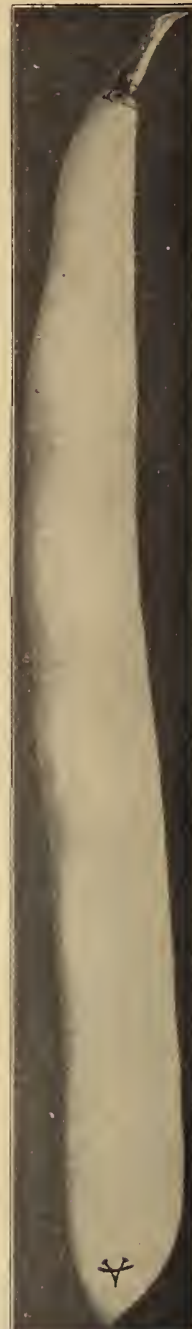
Multiplicity of names in the list of vegetable seeds carried by the different seedsmen causes a great deal of confusion to the amateur and market gardener planters. Vaughan's Seed Store has been and is conducting trials on its own farms and is in consultation with growers and other seedsmen with the object of getting rid of all duplicates.

Rapid growth is desirable. Vegetables that are hastened in their growth by the use of fertilizer are usually crisp, succulent and palatable. Slow growth tends to cause a bitter flavor in lettuce, a sharp flavor in onion and a pungent taste in the radish. Rapid growing vegetables usually bring the highest market prices.

Use commercial manures. Livery stables have been converted into garages and animal manures are scarce. Live stock has decreased over twelve million head in the past seventeen years. When you can't get all the manure you need, use Commercial Fertilizers. They furnish the same elements of food, but in more concentrated form. See page 117 for prices, which are lower this year.

Try Nitrate of Soda, 1 oz. to 2 gallons of water, applied to your cabbage when a foot high; the result will surprise you.

BLACK LEAF 40 is a sure destroyer of Aphid or Green Fly and all sucking insects. Keep a careful watch for lice (aphids) under the leaves of your beans and spray with Black Leaf 40 immediately you find any. Full directions on package. See page 109.



WARDWELL'S WAX

BUSH BEANS GREEN SORTS

NOTICE—We offer Beans and Peas this year by the pound, instead of pints, etc.
1 lb. is a little more than 1 pint.
2 lbs. is a little more than 1 quart.

PLANT THE BEST

VAUGHAN'S BOUNTIFUL STRINGLESS



Stringless Green Pod

The great leader in green pods for general purposes. It is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, free from strings or fiber; rich deep green color, very attractive and of excellent quality. For succession, plant every two weeks, until September.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



Bountiful Stringless

A "Long Yellow Six Weeks," improved by earlier growth, hardness and more prolific yield. The flat pods are better, larger, more tender than the original. They have a distinctly fine quality which makes them desirable for home garden planting.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



Black Valentine

It is not as early as "Improved Red Valentine," the original strain from which this was developed and improved, but it is suited to both early and late planting; its hardness overcomes light frost. The pods are a third longer than Red Valentine, and grow in clusters perfectly straight and round.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.



Giant Stringless Green Pod

An immense type of "Improved Early Valentine" and nearly as early. The pods have all the excellent qualities of the original with much greater size, which greatly improves the appearance. A splendid succession sort to Stringless Green Pod.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

Don't overlook Vaughan's Cook Book of Vegetables. (See bottom of page 36.) Free with every \$1.50 order for packets and ounces—if asked for on order.

Longfellow (Round Pod)

Very handsome, nearly stringless, beautiful green pods, 7 to 8 inches long, straight and round; very prolific.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.



IMPROVED EARLY RED VALENTINE. Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality; the seed is red spotted.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.



REFUGEE OR 1000 TO 1. A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

FULL MEASURE. A new main crop variety of bush beans—a Stringless Round Green Pod Bean.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

EXTRA EARLY REFUGEE. Similar to the Refugee; two weeks earlier. Lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

ENGLISH BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class.
Lb., 40c; 2 lbs., 75c; 10 lbs., \$3.50.

DWARF HORTICULTURAL. Late, heavy yielding. Flat yellow pods spotted with red.
Lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

SUTTON'S MASTERPIECE. The best of the greenhouse forcing beans. The pods are flat like Bountiful, but larger and thinner. Early in season and a heavy yielder.



Pkt., 15c; lb., 45c; 2 lbs., 80c; 10 lbs., \$4.00.

IMPROVED NAVY. Fine field sort.
Lb., 15c; 2 lbs., 25c; 10 lbs., \$1.25.

WHITE KIDNEY. Shell beans.
Lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

RED KIDNEY. Lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

Price per packet of above three varieties, 10c.

EARLY ROUND POD SIX WEEKS. Early sort for market. Good yielder.
Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

EARLY YELLOW SIX WEEKS. Similar to round sort with flat pods.
Pkt., 10c; Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt., 15c; lb., 45c; 2 lbs., 80c.

WHITE MARROW. Good shell bean.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

EARLY MOHAWK. Productive, long flat pods. Early, rather stringy.
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

Vaughan's Specials



We use this sign to indicate sorts which we grow ourselves or stocks which we control absolutely.

THERE ARE NONE BETTER

POLE BEANS—GREEN AND WAX

Try Them if You Have Room and Use at Least 6-foot Poles

Pole varieties are more tender than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about three to four feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest.

KENTUCKY WONDER WAX. The best pole wax bean for northern planting. It is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean. Pods are beautiful golden-yellow, and so fleshy that often the thickness surpasses the width; make delicious eating. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

EARLY GOLDEN CLUSTER WAX. Long, stringless; fine quality; pods in clusters; pure white seeds. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

BURGER'S STRINGLESS GREEN POD. Small, white bean; good for baking; long bearing vines. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

WHITE CREASEBACK. Early; long, round, green, stringless tender pods; white beans. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

KENTUCKY WONDER OR OLD HOMESTEAD. Green pod. The old reliable Green Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddle-backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

DUTCH CASEKNIFE. Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.50.

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, white seeds; good snap or shell. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.75.

LAZY WIFE. Good shell beans; long, thick, stringless pods. Crop very short.
Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.75.

SCARLET RUNNER. Ornamental, bright red flowers. Good snap bean.
Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

YARD LONG. Or French Asparagus Bean. New and Rare Foreign Beans—cannot offer this season. Pkt., 15c.

I have tried other seeds, but never found any flowers so carefully selected or so satisfactory as Vaughan's. Shall patronize your house hereafter. Likewise your vegetable seed are entirely satisfactory, I'm glad to say.

Very truly yours,
M. S. KIBBY, La Reside, Wash.

STRINGLESS GREEN POD

OUR FREE DELIVERY—See inside back cover page explaining FREE DELIVERY to first three postal zones. FOR 5 CENTS PER POUND MORE WE PREPAY TO ALL ZONES.

**PLANT
THE BEST**

Vaughan's Beets

**PLANT
THE BEST**

**CROSBY'S
EGYPTIAN**
The Most
Popular
Early Beet



CROSBY'S EGYPTIAN

This is a beet famous both for shape, color and quality. Vaughan's strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities has secured for this variety a wide and growing popularity, based solely on merit.

Vaughan's Crosby Beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable.

To retain earliness it should be grown with greatest care—it is worth the attention it demands; market gardeners have proved that Vaughan's Crosby Egyptian Beet is splendid for bunching, attractive in size and excellent in general appearance—a money-making combination for thrifty progressive growers.

VAUGHAN'S SELECTED STOCK.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; by express, 5 lbs., \$6.50.

STANDARD STOCK.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c; by express, 5 lbs., \$4.00.

VAUGHAN'S FIRE BALL

"A READY SELLER AT GOOD PROFIT"

Always a splendid sort whether your gardening is done for profit or for pleasure. It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting than sorts with larger tops. Vaughan's "Fire Ball" is very handsome and highly satisfactory for home use.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; 5 lbs., \$7.50.

LONG SMOOTH DARK BLOOD.

Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

EDMUND'S BLOOD TURNIP. One of the best, round, well formed, has only one tap root, flesh is deep blood-red, very sweet and tender. They do not grow large and coarse, and having small tops, they can be planted close.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

HALF LONG BLOOD. A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody.

Pkt., 10c, oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

We maintain a thoroughly up-to-date seed trial laboratory equipped with the latest scientific seed testing devices under the care of an expert trained at the U. S. Dept. of Agriculture at Washington, D. C.

Our customers will find our special strains of Beet like Crosby's (Selected Stock), Fireball, Crimson Globe and Detroit without a superior. Choicest Beet Seeds are offered here at bargain prices. Don't fail to sow a row of Swiss Chard or Spinach Beet. See page 41.

For the home garden you should plant for early use Crosby's Egyptian or Fireball, and for late and main crop Detroit Dark Red.

CRIMSON GLOBE—SECOND EARLY MAIN CROP

This is a splendid sort; is extensively planted for second early and main crop purposes; is medium size, about 10 inches around, globe shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood-red, sweet, tender and never stringy. Sow Vaughan's Beet Seed. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

DETROIT DARK RED TURNIP—MAIN CROP

Unequaled as a big cropper everywhere. Vaughan's strain of this perfect turnip-shaped beet, produces best quality, biggest crops and most profit for growers. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin, dark blood-red, flesh, bright red, sweet, tender and delicious. A friend in any garden for home or market.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; by express, not prepaid, 5 lbs., \$6.50.

STANDARD STOCK. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c; by express, 5 lbs., \$4.00.

BASSANO. One of the earliest, flesh tender, white and rose in color, flat. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.50.

DEWING'S EARLY BLOOD TURNIP. Good color, smooth. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; by express, 5 lbs., \$3.50.

ECLIPSE. Roots globular, small tap root. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

DETROIT DARK RED Best Main Crop for Home Garden



**LONG SMOOTH
DARK
BLOOD**

OUR FREE DELIVERY. See inside back cover page explaining FREE DELIVERY to first three postal zones. FOR 5 CENTS PER POUND MORE WE PREPAY TO ALL ZONES.

See Pages 44, 45 for Mangels, Stock Beets, (Stock Roots)

PLANT
THE BEST

Vaughan's Carrots

PLANT
THE BEST

VAUGHAN'S SELECT DANVERS

This is a very popular and universally planted carrot. For a quarter of a century, our strain of this highly prized variety has seldom been equal in quantity to the public demand for seed. And in the years when seed has been plentiful, it has been planted almost exclusively.

While some varieties of carrots attract attention because of extreme sweetness, color or other feature, Vaughan's Select Danvers has all desirable qualities to a very marked degree of perfection.

In addition to its splendid edible qualities and fine appearance, its yield is greater per acre than that of any other sort; in size, shape, color, sweetness and flavor, it is ideal.

Danvers Select Stock—Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

HALF LONG DANVERS—Standard Stock—roots more pointed and slightly smaller than Vaughan's Select Danvers.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c; 5 lbs. \$3.50.

VAUGHAN'S CHICAGO FORCING. A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a forcing sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart.

Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Guerande or Oxheart

Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has very fine flavor and general good quality and tenderness which make it desirable.

Home and market growers find it the best second early, a little earlier and shorter than the Chantenay, good color.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.



VAUGHAN'S SELECT DANVERS

EARLY CHANTENAY

A Splendid Bunching Sort

A main crop variety, of reputation with market gardeners; very smooth, stump root, deep red color, fine-grained, sugary, sweet; not liable to crack when growing, a fine table sort, and good cropper. Buy Vaughan's seed, it is carefully selected.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.10; 5 lbs. \$4.50.

VERY EARLY SCARLET FORCING—(French Horn). Best variety for earliest forcing. Reddish orange colored roots, nearly round. When matured they are about two inches in diameter.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.25; 5 lbs. \$5.50.

EARLY SHORT SCARLET—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching.

Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10; 5 lbs., \$4.50.

NANTES HALF LONG SCARLET—For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.10; 5 lbs. \$5.00.

IMPROVED LONG ORANGE

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c; 5 lbs. \$4.50.

CARROTS FOR STOCK—The Mastodon, Long White Belgian and Orange Belgian, etc., see pages 44 and 45.

1 lb. Carrot Seed, Vaughan's Long Orange, \$1.00, will sow one half-acre, sufficient to produce, on good soil, 12 tons of carrots equal in feeding value for horses or cattle, to 150 bushels of oats.

VERY
EARLY
SCARLET
FORCING



OXHEART

Vaughan's Seed Store has introduced more and better and carries a greater variety of Muskmelon Seeds than any American seed house. This last is true of our Onion and Radish pages.

The "Milwaukee Market" Muskmelon should be planted in every home garden where melons are used, and by every trucker who grows for and serves private trade. It is a Trade Builder.



EARLY CHANTENAY

N. B.—Read inside back cover showing what we prepay. CARDOON. For salads and for soups. See page 18.

**PLANT
THE BEST**

Since the foundation of our firm 45 years ago, the house of Vaughan has been famous for cabbage seed. We know by trial comparisons that there is none better.

VAUGHAN'S

**EARLY JERSEY
WAKEFIELD**



VAUGHAN'S
SELECTED
STOCK

CHARLESTON WAKEFIELD

This sort matures a few days later than "Early Wakefield", with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. **Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.**

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. **Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield; matures a short time later. **Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.**

EARLIEST ETAMPES—Not quite so hard, but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of All," "Wonderful," etc. Buy Vaughan's seed to get best results. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.**

EARLY YORK—Heart-shape, small head, firm and tender, may be planted 15 to 18 inches apart. **Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

EARLY OBLONG SORTS

Vaughan's Select Early Jersey Wakefield

This extra early, conical-shaped head cabbage is the best early, for planting in the United States. Earliness and hard heading in this variety are most important to growers.

Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farms, we spare no expense. We confidently offer the best Early Jersey Wakefield Seed that money can buy anywhere. Successful growers everywhere in the United States plant Vaughan's Seed and get results that spell prosperity.

More seed of this sort is planted in the United States than of all other varieties of the same type together. The heads are hard, the outside leaves small, so that close planting is possible.

Buy Vaughan's Cabbage Seed—plant the best.
Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.

EARLY
ALL HEAD

SEE BELOW



FLAT AND ROUND SORTS

VAUGHAN'S ALL SEASONS. This special Vaughan's Cabbage, although really an early, is suited to every growing season. Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "Early Summer" with larger head. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

ALL HEAD EARLY OR FAULTLESS. Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. Vaughan's seed is Long Island grown by the originator. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

EARLY FLAT DUTCH. Sure solid header; weighs 10 to 12 pounds each head, even size, matures about same time as "Early Summer," a standard Early; it stands long without bursting; as second early it is one of the best. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**



SUCCESSION

SUCCESSION. Heads are large, slightly flatter than "Early Summer," are two weeks later, but run more uniform; heads are solid, keep well, and have splendid quality. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper. **Pkt. 5c; oz., 20c; ¼ lb., 65c; lb., \$2.25.**

FOTTLER'S IMPROVED BRUNSWICK comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as Second Early and for winter use. **Pkt., oz., 25c; ¼ lb., 75c; lb., \$2.50.**

GLORY OF ENKHOUSEN. An early, globe shape, medium size, sure heading and a splendid keeper; the outer leaves fold close, the color is a handsome dark-green, just right for market. Is fine ribbed, excellent for eating. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.**

EARLY SUMMER (NEW YORK.) The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.**

COPENHAGEN MARKET

The earliest large round or flat-head sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield. Considering its early season, the heads are remarkably large, averaging ten pounds in weight. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. **Pkt., 10c; ½ oz., 20c; oz., 35c; 2 ozs., 65c; ¼ lb., \$1.15; lb. \$4.00.**

VAUGHAN'S SPECIAL STOCK (See novelty pages). An extra early reslected strain. **Pkt., 15c; oz., \$1.00.**

DANISH SUMMER BALLHEAD

A Second Early of superb quality; it resembles "Winter Ballhead," but is smaller and slightly flat on top; the outer leaves are inclined to be curly, the ribs are very fine in the leaves, which are light green in color, and have a delicate flavor suggestive of Savoy cabbage. **Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.**

CHINESE CELERY CABBAGE OR PE-TSAI

This new Celery Cabbage has become very popular on the market; it is a delicate and dainty table vegetable either shredded as slaw, cooked as other cabbage or trimmed to be eaten as celery. It should be grown like late cabbage planting in July. "turnip planting time," earlier planting runs quickly to seed. Sow in drills 16 to 20 inches apart, then thin the seedlings two or three times. **Pkt. 10c; ½ oz. 30c; oz. 50c; 2 ozs. 95c; ¼ lb. \$1.60; lb. \$5.50.**

OUR FREE DELIVERY { See Inside Back Cover Page Explaining FREE DELIVERY to First Three Postal Zones. For 5 cents per pound more WE PREPAY TO ALL ZONES.

CABBAGES

Some growers use Tobacco Dust for cabbage worms and prefer it to Slug Shot. Both are good. See page 109.

**PLANT
THE BEST**

MAIN CROP VARIETIES

DANISH BALLHEAD, TALL

VAUGHAN'S SELECTED STOCK

From Amagar Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. The seed is grown for us there and we sell it with confidence to our customers, not only because we know it is genuine, but also because we know it is the standard of highest quality and purity. Many trials have demonstrated this to be the best. This is the tall-stemmed strain, different than the short-stemmed "Hollander" or the "Dwarf Amagar," the Danish grown strains of the "Hollander." The tall-stem of our Ballhead cabbage distinguishes the strain.

Because of perfectly solid-head, unequalled keeping and shipping qualities correct market size, not too large, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained leaves which are deliciously tender, this strain has displaced nearly all other winter varieties of cabbage. It is the most popular of all the late varieties, and its popularity rests entirely upon superior merit. Vaughan's seeds make growers prosperous.

Pkt., 10c; oz., 25; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.

DUTCH WINTER OR HOLLANDER

As a "late spring" seller, no other sort stands near this excellent cabbage, of fine quality. The heads are medium size, averaging about 8 pounds, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall; its exceptional keeping quality is a notable characteristic.

Pkt., 10c; 1 oz., 25c; 2 ozs. 45c; ¼ lb., 85c; lb. \$3.00.

Dutch Winter or Holland Stock Seed. Pkt., 15c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.40; lb., \$5.00.

DWARF AMAGAR or SHORT-STEMMED DANISH BALDHEAD

This variety is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amagar Island, Denmark; and we supply one-year-old, proven stock, if wanted. Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 85c; lb., \$3.00.

VAUGHAN'S PREMIUM FLAT DUTCH

Of the Flat-head varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hotbeds. Our seed produces immense solid heads, uniform, true, and of finest quality.

Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

New Disease Resistant Cabbages — 3 new strains. (See Novelty pages).

LARGE LATE AMERICAN DRUMHEAD. A selected strain in this Standard Winter Cabbage.

Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.25.

IMPROVED STONEMASON. A large solid, late Drumhead—popular in some sections.

Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., \$2.25.

MARBLEHEAD MAMMOTH DRUMHEAD. Late. About the largest cabbage grown.

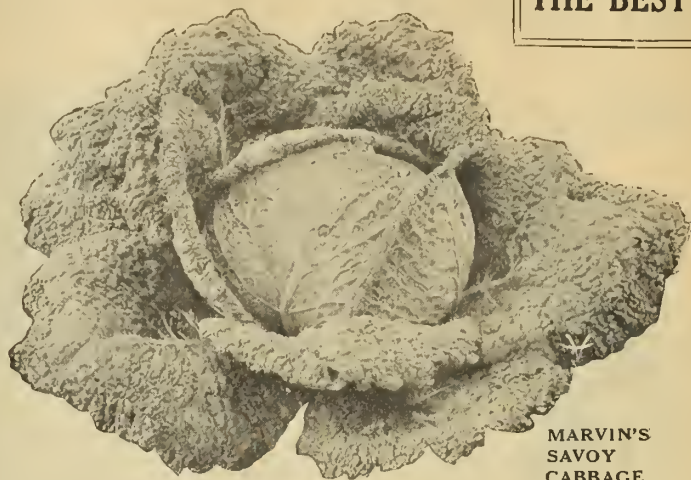
Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., \$2.25.

VAUGHAN'S SURE HEAD

This is a large round flatheaded variety, uniform size and weighing 10 to 15 pounds each head. They are very solid and have fine quality.

Our strain is most popular with market-gardeners and large growers—it is a sure header, in most unfavorable seasons.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



MARVIN'S SAVOY CABBAGE

SAVOY CABBAGES

IRON HEAD SAVOY—Best of the early sorts. Round head large and solid. Quality excellent. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

MARVIN'S SAVOY—A large solid head, very early. An almost sure header, most popular of this class. Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

EARLY ULM SAVOY—Very early sort. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

ALL HEAD SAVOY—Conical head, fine quality. Early and solid.

Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

IMPROVED AMERICAN—Standard main crop sort.

Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

HACO, EARLIEST ROUND RED, (New)

This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. After extensive field tests we have found it superior to all other varieties of red cabbage in earliness, productiveness and quality. The color is intense dark red throughout, the heads after being trimmed for market, average 3 lbs. each. If you use Red Cabbage try this one.

Pkt. 15c; ½ oz. 50c; oz. 90c; 2 ozs. \$1.65; ¼ lb. \$3.00.

RED CABBAGES

DANISH RED STONE HEAD. Hard, round, ball-shaped heads, very compact and keep well. The color is so intense that a cross section shows almost no white.

In sections where Danish White Cabbages, like "Ballhead" do well, this will be found very valuable. Pkt. 10c; ½ oz. 25c; oz. 40c; 2 oz. 75c; ¼ lb. \$1.40; lb. \$5.00.

MAMMOTH ROCK RED—A sure header of good red color to the center. Pkt. 10c; ½ oz. 20c; oz. 35c; ¼ lb. \$1.15; lb. \$4.00.

ZENITH—A very fine medium early sort. Not large, good quality and fine color. Pkt. 10c; oz. 35c; ¼ lb. \$1.15; lb. \$4.00.

VAUGHAN'S BLACK DIAMOND—A new second season black-red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves.

Pkt. 10c; oz. 35c; 2 oz. 70c; ¼ lb. \$1.15; lb. \$4.00.

EARLY DARK RED ERFURT.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

DARK RED DUTCH (Pkt., 10c; oz., 30c; 2 oz. 60c.

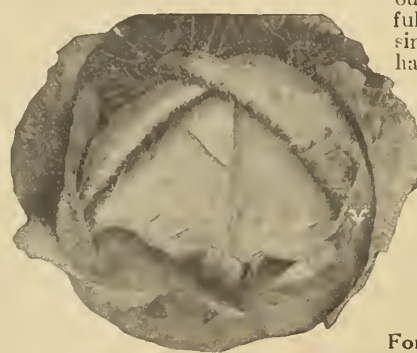
RED DRUMHEAD (¼ lb., \$1.00; lb., \$3.50.

BRIDGEPORT DRUMHEAD

The best Large Fall Shipping Cabbage in Existence. We introduced this variety over thirty years ago and our strain has been carefully selected every year since. The original type has been kept up and improved to a high degree of perfection. For slicing, for kraut or for general purposes, it has no superior.

Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

A Money-Maker For Market Gardeners.



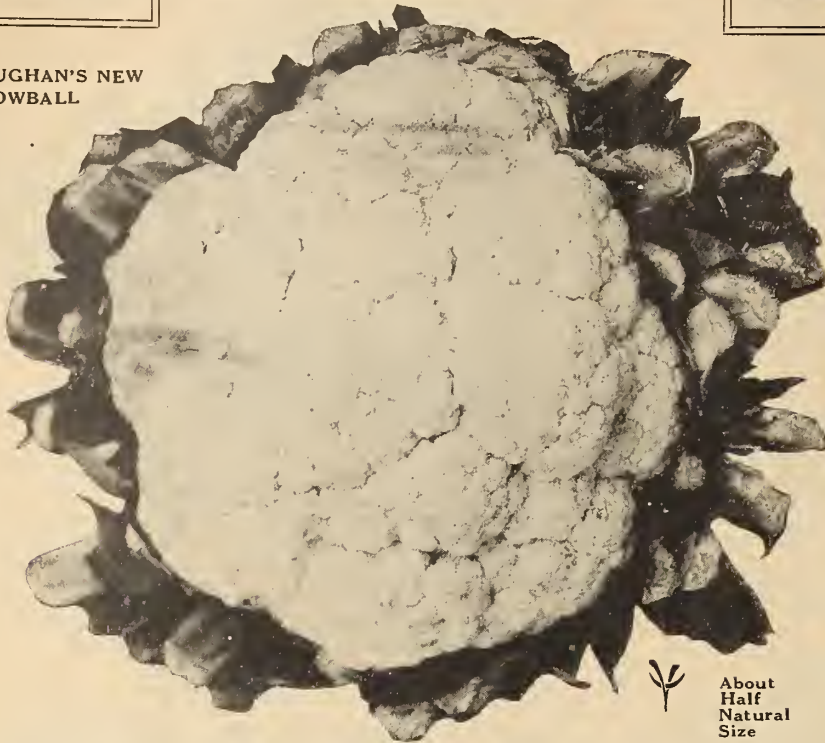
DWARF AMAGAR

PLANT THE BEST

The Milwaukee Market Melon purchased from you this year is the best I have ever had. Some weighed as much as ten pounds. Have you some of last year's seed left? I wish to have a pound of it.
Cook County, Ill.
J. J. DEYOUNG

VAUGHAN'S

VAUGHAN'S NEW SNOWBALL



About Half Natural Size

VAUGHAN'S NEW SNOWBALL

For early out-door planting and forcing Vaughan's "New Snowball" Cauliflower is a strain of exceptional merit and value. In size, compactness and color it is ideal for market; well grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. Its habit is dwarf in growth, with great compactness and very early heading—earlier than any other sort; being dwarf and compact means economy of space when forced in the hot-bed. For wintering over to early spring, for forcing during winter and early spring and for early spring out-door planting, Vaughan's New Snowball Cauliflower is a peerless success. This strain is also extensively planted for late summer and fall market. We therefore commend this cauliflower, with the assurance that it will give satisfaction to those who have not yet tried it as it has to the many who have, amongst whom are hundreds of the most critical market gardeners, who pronounce it the greatest cauliflower success for general use;—plant the best.

Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.35; oz., \$2.50; ¼ lb., \$8.50.

VAUGHAN'S EARLIEST DWARF ERFURT. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Many planters who grow Cauliflower extensively, plant this and Vaughan's Snowball, two varieties that mature in succession.

Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25; 2 oz., \$4.25; ¼ lb., \$8.00; lb., \$32.00.

With young plants of Cauliflower as with Radish their growth must be quick and continuous. Hoe or rake the soil often. Our Nitrate of Soda (page 117) applied in liquid form, one ounce to one gallon of water, beginning when plants are well started will work wonders.

DANISH SNOWBALL. Later than Vaughan's "New Snowball"—A splendid second early; we take great care, and spare no effort to produce seed of this grand Cauliflower, that will give best results. Many of our customers (market growers) plant this sort year after year, and although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. The best bargain at this price in Cauliflower seed. Pkt., 20c; ½ oz., 80c; oz., \$1.50; 2 oz., \$2.75; ¼ lb., \$5.25; lb., \$20.00.

Vaughan's Celery Manual. By a practical grower of 20 years' experience, revised and published by J. C. Vaughan. Price, postpaid, 25c. Mailed free, with any general vegetable seed order in packets or ounces amounting to \$2.00, if asked for.



VAUGHAN'S

GOLDEN SELF-BLANCHING

VAUGHAN'S SELECTED STOCK

The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfier, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden-yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tenderness, crispness, delicious flavor and absence of strings, make it a most delightful table necessity. It is by far the most planted, most desired and used of all high-class celery. When you purchase Vaughan's Seed of Golden Self-Blanching Celery, you secure the very best seed of the very best sort of celery that skilful growing and exceedingly careful selection, cleaning etc., can produce. Our selected stock is grown for us in France, by the introducers. Large growers plant this; we have been supplying it to them for years—they get satisfying results.

We also have critical, experienced growers, producing seed for us in this country from our selected stock; this we sell at a lower price and it gives complete satisfaction.

Selected Stock (French grown). Pkt., 15c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.75; lb., \$6.50.

American grown Seed. Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.15; lb., \$4.00.

GIANT GOLDEN HEART

This for winter storage is the best celery. Enjoys extensive popularity and always has done so since we introduced it years ago. It has unquestioned merit in flavor, sweetness, attractiveness, and size as well as for keeping. It is a selection of the "Dwarf Golden Heart," but is larger.

Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb. 60c; lb., \$2.00.

WINTER QUEEN

An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor; ribs perfectly solid and blanch to a beautiful creamy white. A most valuable variety for winter and spring, excels "Perfection Heartwell" as a late winter keeper, and is much thicker, stouter and heavier. Try it and it will be a favorite with you. A money-maker for the market grower.

Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.50.

CHICAGO GIANT SELF-BLANCHING

A first early celery introduced by Vaughan's Seed Store. A sort that can be put on the market ahead of any other variety. It is an Extra Early White variety; can be sown in February and marketed July 1st, a time of year

when fine celery is a table luxury. The whitest early celery, and very sweet, crisp, tender, brittle, with a delicious flavor, giving zest to every bite. It is extremely vigorous in growth, to the extent that its tendency is to throw out a small percentage of off plants. We spare no expense to keep it uniform. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 55c; ¼ lb., 90c; lb., \$3.50.



GOLDEN SELF-BLANCHING

CORRECT VEGETABLE NAMES

Vaughan's Seed Store never misnames its vegetables or flowers, whether of novelties or standard kinds. Although we do have improved strains of many standard kinds, we let the old name stand, though sometimes adding the phrase "Vaughan's Special." Many so called novelties are but old sorts masquerading under the new name. You will not find such in this book. When we offer and supply seed of Bantam Corn, Iceland Radish or Vaughan's Cucumber each will be found the true types.

Rapid Growth is Desirable. Vegetables that are hastened in their growth by the use of fertilizers are usually crisp, succulent and palatable. Slow growth tends to cause a bitter flavor in lettuce, a sharp flavor in onion and a pungent taste in the radish. Rapid growing vegetables usually bring the highest market price.

Please tell us if we may substitute in case any variety ordered by you is sold out.

CAULIFLOWER

We pride ourselves on the germination of our Cauliflower seed. We reclean and resift, selling high-growing, plump seed.

PLANT THE BEST

DRY WEATHER CAULIFLOWER

DRY WEATHER CAULIFLOWER

This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. Where the more delicately bred varieties would succumb to unfavorable, warm weather conditions, this sort is very desirable; and no large acreage should be planted without giving a place to this. It is a very sure-header, heads larger than Snowball, and is snow-white and second early. Our seed is grown by the originator in Denmark. Plant the best. Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.35; oz., \$2.50; ¼ lb., \$8.50.

EARLIEST OF ALL

This is a Danish forcing strain of "Danish Snowball" a little smaller and a week to ten days earlier. It has very short leaves, and has been bred for first forcing under glass and in frames especially; very sure header. Our strain is pedigreed Danish seed.

Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.35; oz., \$2.50.

LARGE LATE ALGIERS. A vigorous late-maturing variety for late fall use. Large heads.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. Pkt., 10c; oz., 80c; ¼ lb., \$2.50.

HALF EARLY PARIS. Slightly larger and later than above. Pkt., 10c; oz., 80c; ¼ lb., \$2.50.

LENORMAND'S SHORT STEM. Bears large white heads on short stems.

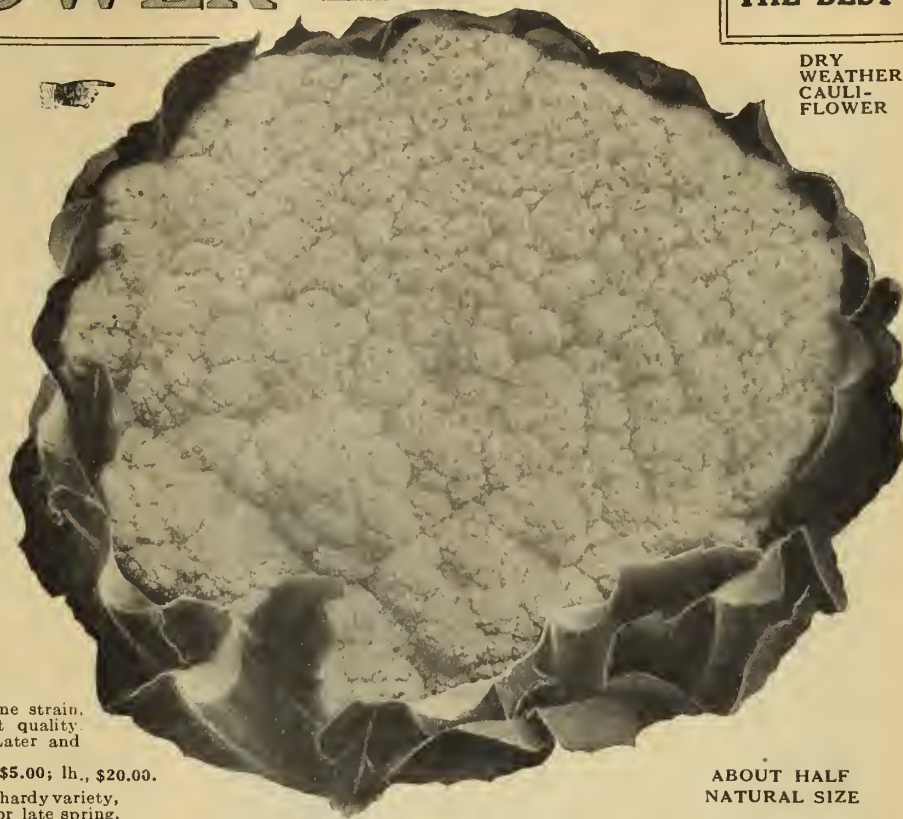
Pkt., 10c; oz., 75c; ¼ lb., \$2.25.

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early, always certain to head, early or late. Later and larger than Earliest Erfurt.

Pkt., 15c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.45; ¼ lb., \$5.00; lb., \$20.00.

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring.

Pkt., 15c; ½ oz., 50c; oz., 90c; ¼ lb., \$3.25.



ABOUT HALF NATURAL SIZE

CELERY



Celeriac or Turnip-rooted Celery see page 18. Cress, see page 18.

For the Home Garden, plant for yellow—Golden Self-Blanching, Vaughan's Select Stock; for white—White Plume and Winter Queen.

GIANT PASCAL

The stalks are very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden-yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and market-ability.

Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 80c; lb., \$3.00.

Rose Ribbed Self-Blanching

(Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; lb., \$4.00.

STANDARD SORTS

Prices of these kinds: Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

EVANS' TRIUMPH. One of the best LATE sorts. Excellent quality and good keeper.

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

SCHUMACHER. Immense size; solid; crisp; firm golden-yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

FAR SUPERIOR "MANY HEART." Late, very large and fine; popular in Philadelphia. Crop failure.

BOSTON MARKET. White and solid; very dwarf; crisp and tender.

We issue a 56 page Celery Manual—full of valuable information regarding soils, drainage, etc.—FREE with a \$2.00 order of vegetable seeds in packets or ounces if asked for.

WHITE PLUME

Of the white varieties this is recognized the best. Amongst market growers it is popular because it has excellent marketable qualities, with consumers it is a favorite because of its crisp, tender, and altogether desirable eating qualities. Its habit of growth is vigorous, stalks are uniformly white, and large sized; as a seasonable variety it's a money-maker for the market-gardener. We do not recommend it as a keeper, but wholly as a splendid sort in its season, for which it has the highest endorsements of professional growers. For fall and early winter White Plume Celery grown from Vaughan's seed is a trade-building, money-making sort.

Selected stock—Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c; ¼ lb., 80c; lb., \$3.00.

COLUMBIA. (New.) Season early. Plants are dwarf with heavy thick stalks—easily blanched. Light golden heart of splendid flavor. Pkt., 10c; oz., 50c; 2 oz., 85c; ¼ lb., \$1.40; lb., \$5.00.

NEW EMPEROR. (New Novelties.) A variety of exceptional eating quality—pure dwarf and solid. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.75; lb., \$10.00.

DWARF GOLDEN HEART

Solid, shapely stalks; large heart, which blanches to a beautiful yellow, after storing. Popular in many celery-growing centers. It is a long keeping "Golden Dwarf" of established merit. It is shapely and solid and requires little trimming.

Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

EASY BLANCHING

A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick, quality excellent. A most desirable variety for the amateur, as it blanches easily and is one of the best keepers. Second early, can be grown for winter and spring use.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25; lb., \$4.50.

FRENCH'S SUCCESS. A fine keeping Winter White Celery. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.25; lb., \$4.50.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 15c; ¼ lb., 40c; lb., \$1.50.

OLD CELERY SEED. Used for flavoring. Oz., 10c; ¼ lb., 20c; lb., 65c.



WHITE PLUME

Only half the pleasure of a garden is in its beauty—the other half is in its tending.

PLANT THE BEST

NOTE — Witloof Chicory or French Endive furnishes a delicious salad all winter.

VAUGHAN'S RARER



BRUSSELS SPROUTS

BORECOLE—See Kale, p. 19.

BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPROVED DANISH. Hardy and a heavy yielder. A fine variety originated and grown in Denmark. Pkt., 10c; oz., 25c; ¼ lb., 85c.

PARIS MARKET. Half dwarf, excellent yielder. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

IMPROVED DWARF. Dwarf habit and less liable to aphid than others. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in northern latitudes, where Cauliflower does not do well.

Large White Mammoth. Good white heads. Pkt., 10c; ½ oz., 30c; oz., 50c.

Purple Cape—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. Pkt., 10c; ½ oz., 30c; oz., 50c.



WITLOOF CHICORY

CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve **Celeriac**. The roots keep well in winter—recipes for preparing enclosed with seed.

NEW CELERIAC, "DELICATESSE." Roots are oval, perfectly smooth; no side roots—never rusts. Flesh is pure white, tender, and of general excellent quality; this kind does well on light soils. Pkt., 15c; ½ oz., 35c; oz., 60c.

EARLIEST OF ALL. Ready in June; pure white flesh, very tender. Pkt., 15c; ½ oz., 35c; oz., 60c.

LARGE SMOOTH PRAGUE. Excels in quality, size and appearance. Not like common sorts, which are often crooked and have a lot of useless roots. **Large Smooth Prague Celeriac** is the main crop variety, nearly globe-shaped and almost twice the Erfurt—only a few rootlets at bottom—the American grower's favorite. Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

LARGE ERFURT. A standard. Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

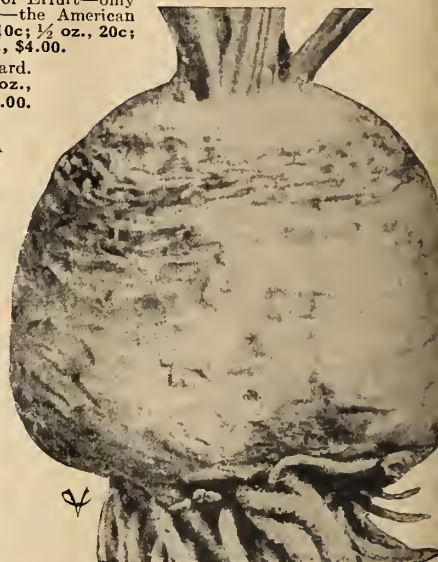
CHICORY

Witloof (French Endive). A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages.

Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

Roots of above 3 for 40c. postpaid (with forcing directions up to April 1st).

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.



CELERIAC—Giant Prague

CARDOON. Main stalks are blanched like Celery, used for salad or in soups. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

CHEVIL DOUBLE CURLED. Similar to Parsley, handsome for garnishing. Pkt., 10c; oz., 25c; ¼ lb., 60c.

COLLARDS. A variety of cabbage used in Southern states. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter.

EARLY WHITE VIENNA. White and tender. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

EARLY PURPLE VIENNA. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

SHORT LEAVED EARLY ERFURT. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.25.

Sweeter Than Turnips



KOHLRABI White Vienna

CORN SALAD—Field Salad

CORN SALAD. (Mache-Stick, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40.



CORN SALAD

GARDEN CRESS OR PEPPER GRASS.

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. Pkt., 5c; oz., 15c; ¼ lb., 25c.

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.25.

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25; lb., \$4.50.

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. Pkt., 15c; ½ oz., 40c; oz., 75c.

Of several brands of GRASS SEED tried, your Columbian is the only one which has grown on the sand we have here. Hammond, Indiana. ARTHUR J. LARSON.



LEEK

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

ROUEN, LARGE WINTER. Large, excellent—best of all. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LONG MEZIERES. One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow-white; fine flavor, very hardy. Unsurpassed for market garden. Pkt., 10c; oz., 30c; ¼ lb., 80c.

BULGARIAN WINTER. A most desirable Leek, extremely hardy, enormous size. Pkt., 10c; oz., 35c.

VEGETABLES

Vaughan's Vegetable Cook Book
 Tells how to cook and use rarer vegetables. Price, heavy paper cover, 35c; or free to every customer who buys Vegetable Seeds in packets or ounces to the amount of \$1.50 and upwards, and asks for same.

PLANT THE BEST

EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"New York" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. **Sow Vaughan's seed. Pkt., 10c; oz., 55c; ¼ lb., \$1.65; lb., \$5.50.**

BLACK BEAUTY. Is 12 days earlier than New York; for northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. **Plant Vaughan's seed. Pkt., 10c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.**

BLACK PEKIN. Round shape, and almost black; flesh is white and solid, fine grain and delicious flavor. It is early and a good marketable size egg plant. **Pkt., 10c; oz., 45c; ¼ lb., \$1.35.**

VERY EARLY DWARF PURPLE. This variety is extremely early, it resembles "New York Improved" in shape and color, but is smaller and earlier. **Pkt., 10c; oz., 45c; ¼ lb., \$1.25.**



BLACK BEAUTY—An Early variety, suitable for northern planting

ENDIVE

CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August. **GREEN CURLED SUMMER.** Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

GREEN CURLED WINTER. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

AUTUMN GIANT. Gigantic; ideal for early use; does not stand severe frost. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

GIANT FRINGED. Most beautiful snow-white heart, fine delicate green fringe. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.**

MOSS CURLED. Fine sort. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

EVER WHITE CURLED. Very crisp. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

BROAD LEAVED WHITE. Slightly curled. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**



VAUGHAN'S IMP'D NEW YORK PURPLE EGG PLANT

GARLIC SELECTED BAVARIAN

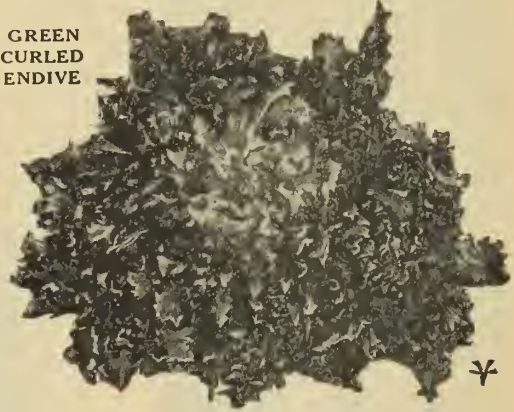
Lb., 25c; 10 lbs., \$1.75. Postage extra. Write for latest market prices on quantities.

HORSE RADISH SETS

ORDINARY HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. **100, \$2.00; by mail, \$1.30; 500, \$8.00; 1000, \$15.00.**



GREEN CURLED ENDIVE



HORSE RADISH, Bohemian. Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets or Roots, per doz., 60c, postpaid; by express, 50 for \$1.25; 100 for \$2.25; 1000, for \$20.00.**

KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South and ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.**

TALL GREEN CURLED. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



VAUGHAN'S EXCELSIOR MOSS CURLED KALE

the ground, blanch with earth, boards, sand, etc., until ready for use. **Pkt., 15c; ½ oz., 30c; oz., 60c; ¼ lb., \$1.75.**

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.**

SEA KALE

Ready for use earlier than Asparagus, and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea Kale comes usually from seed, but can be grown from off-sets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as shoots show above

Jacksonville, Ill., Feb. 15, 1921.

Dear Sirs:—A year ago I got some seeds from you, among them a package of helichrysum seed, and I have never enjoyed anything so much. All winter I have admired them and everyone who comes in goes wild over them. **MRS. HENRY W. ENGLISH.**



VAUGHAN'S MAMMOTH RHUBARB

RHUBARB

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it.

Price of Seed per Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

LINNAEUS. Seed, per pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

CHICAGO GIANT. This dwarf Rhubarb is bred for large stalks and small leaves. We have grown this variety for years, and find it A1. **Pkts. only, 15c. Roots, good sized clumps, by express, 50c each.**

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage, 1-year, 1 lb.; 2-year, 1½ lbs.; 3-year, 2 lbs. See inside back cover for zone postage rates.

1-year, each, 20c; 3 for 45c; 10 for \$1.30. 2-year, each, 30c; 3 for 75c; 10 for \$2.25. 3-year, each, 50c; 3 for \$1.35; 10 for \$4.00.

Plan your garden early! Perhaps you have a friend who would like to have one of our catalogs. A postal is sufficient.

The seed I purchased from you this Spring is coming up fine. Everything looking good. **J. E. FISHER, Calumet, Mich.**

Plant Vaughan's Seeds and insure success in your garden. **Gardening pays.**

PLANT THE BEST

We have thoroughly tested Vaughan's Bantam Evergreen Sugar Corn alongside four other yellow varieties from other seedsmen and find it surpasses them in size of ear and yield. Bantam Evergreen has become very popular and those who grow it are perfectly satisfied. W. E. VAIL, New York.

FAMOUS EARLIES

VAUGHAN'S

FINEST TYPE OF EACH, GROWN

VAUGHAN'S MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—**Earliness, Size, Sweetness.** Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn; the ears are as long with two to four more rows of kernels set close, so there is no loss of space in

the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. No more careful selection can be practised than we use, and ears are dried in crates to insure high germination.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.75.

GOLDEN BANTAM

Now the most popular of all first early Sweet Corns and planted in nearly every garden.

This "Yellow Nugget" has made more enthusiastic and satisfied amateur horticulturists than acres of successful gardens filled with other vegetables. A brief description for the uninitiated, if there still be such—Golden Bantam is an extra early yellow sort about a week later in season than Cory or the first

earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan and we have taken great care in the development and culture of our strain which may be relied upon for absolute purity of type Plant Vaughan's.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.90.

VAUGHAN'S BANTAM EVERGREEN

A corn of Golden Bantam QUALITY of the RIGHT SIZE. It is a retained the quality of the Bantam and has the more tender skin of able sized ear of corn superior in quality to England, the home of sweet corn, where it is EATEN. Pkt., 10c; lb., 25c; 2 lbs., 50c;

Howling Mob

A large-eared fine second early corn. About the same season as Early Champion, ear slightly larger. The kernels are small in size, of delightful flavor and make a most attractive appearance. Of the highest value for market gardeners and equally good for the garden.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.95.

Improved Early Champion

Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns, in season two weeks later than "Mammoth White Cory." The ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on a stalk. Planted by many gardeners for both early and late.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.75.

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

LATE MAMMOTH Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.75.

METROPOLITAN. Popular in eastern states, season between Minnesota and Champion. Kernels have 10 or 12 rows, large and very sweet.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.75.



MAMMOTH WHITE CORY

Malakoff

The Great Sweet Corn for northern country; in the northern states and Canada where the season calls for quick maturing this is the best of all sweet corns. In flavor it has no equal. It is a dwarf growing corn, rarely exceeding 4 feet in height; the stalks usually average 2 ears each. The kernels are shallow and sweet. We have specialized in this variety. Our stock has been carefully re-selected and the crop harvested on our Michigan farm.



Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," and of superior quality. The ears are 8 rowed usually 2 to a plant. The stalks are short with little foliage. Under middle west conditions it is the earliest sweet corn with ears of marketable size. Our seed is grown on our own farms in Michigan.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

EARLY MAYFLOWER. In the New England States this is the earliest sweet corn of good size. In the Middle West it is not as early as Early Iowa. White cob and kernels, larger than White Cory and ten days earlier. New England grown seed.

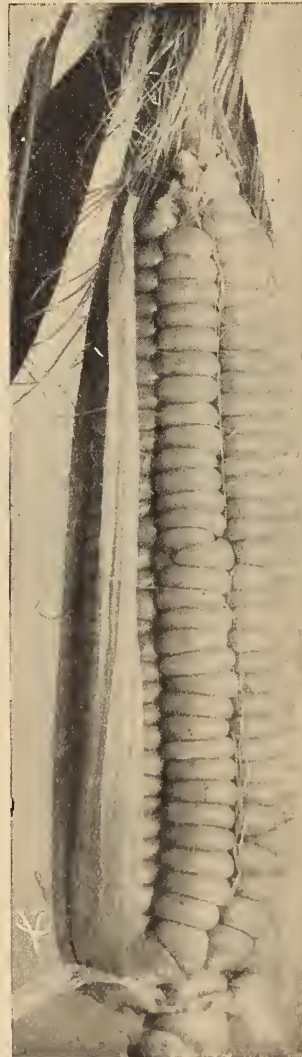
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive.

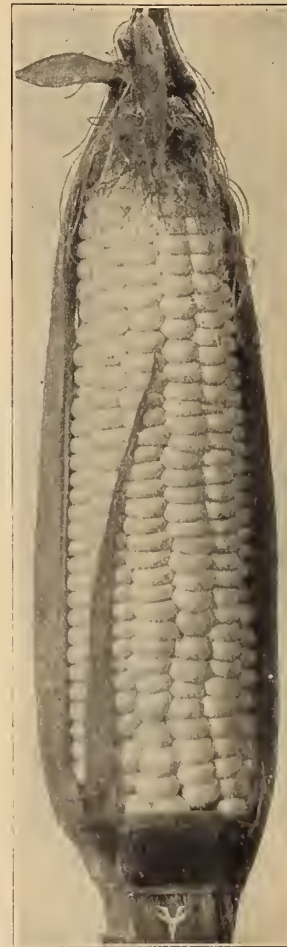
Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.75.

	Lb.	2Lbs.	10Lbs.
Early Cory, Red cob.....	20c	40c	\$1.75
Adam's Extra Early } Not sweet	20c	35c	1.35
Adam's Early } but early	20c	35c	1.35

Any of the above, per pkt., 10c. (Larger quantities than 10 lbs. of any kinds on this page at 10-lb. rate.)



GOLDEN BANTAM



EARLY CHAMPION

SWEET CORN MAIN CROP

Fertilize the Sweet Corn ground if you want high sugar content. See Fertilizer Pages. Vaughan's 2-8-1 is a good one for Sweet Corn. Hoe frequently. Full line hoes on implement pages.

PLANT THE BEST

UNDER ITS OWN CONDITIONS

STOWELL'S EVERGREEN

The great standard main crop variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. This sort is very productive, and the deep set white kernels of sweetness are tender and very fine, which accounts for the great popularity this standard sugar corn has attained. For the home garden, the market grower or canning factory, it is always an immense success. We have specialized

in this grand sweet corn for many years, and we say with confidence our strain is the best that money can buy. Vaughan's New England grown seed develops a larger percentage of sugar than seed grown in the Western States. We quote prices here for both.

Select Eastern Grown,

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.90.

Western grown, Eastern stock seed,

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.75.

COUNTRY GENTLEMAN

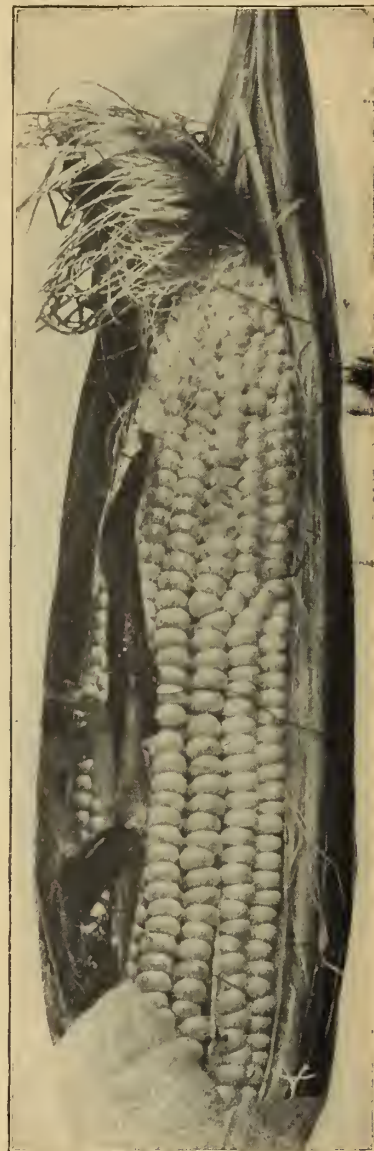
Is a late main crop variety, which should find a place with every grower for home or market. The ears, which are seven to nine inches long are borne on stalks six to seven feet high. Unlike other sorts the grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet,

this corn is regarded by many as the highest quality of all White Sweet corns. Vaughan's strain has been especially selected for small deep kernels and high sugar content and represents the highest bred type.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lb., \$1.90.

BEST AND SWEETEST SUGAR CORN See Illustration on Back Cover

product of Golden Bantam crossed with Stowell's Evergreen. It has the Evergreen. Market gardeners are at least able to sell a merchant-
any on the market. Grown and bred in New pronounced the SWEETEST CORN EVER
10 lbs., \$2.00.



STOWELL'S EVERGREEN

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.90.

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation.

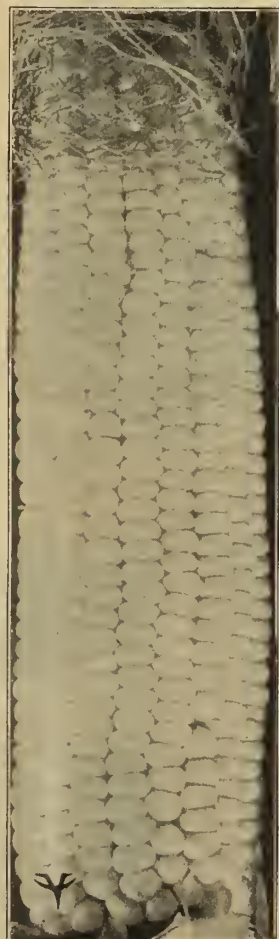
Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$2.10.

Any of the following, per pkt., 10c.

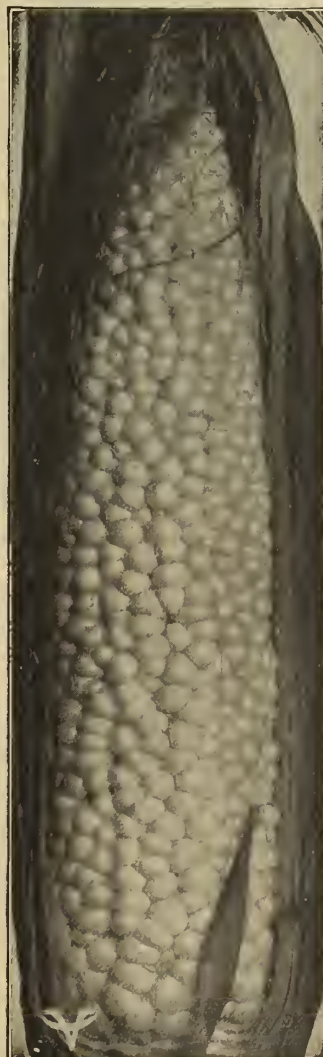
	Lb.	2 Lbs.	10 Lbs.
Kendel's Early Giant.....	\$0.20	\$0.40	\$1.75
Early Mammoth.....	.20	.40	1.75
Old Colony.....	.20	.45	1.90
Hickox Improved.....	.20	.45	1.90
White Evergreen.....	.20	.45	1.90
Perry's Hybrid.....	.20	.40	1.75

(Larger quantities all Sweet Corns at 10-lb. rate.)

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season; Mammoth White Cory, Early Champion, Stowell's Evergreen. Offer No. C3X. 1 pkt. each (3 kinds), 25c; prep'd.



EARLY EVERGREEN



COUNTRY GENTLEMAN

CORN SALAD. A MOST REFRESHING SALAD. SEE PAGE 18.

EARLY EVERGREEN

Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort.

Reliable seed of this well known variety is at your command in Vaughan's Seed Store.

Pkt., 10c; lb., 20c; 2 lbs., 40c; 10 lbs., \$1.75.

NARROW GRAINED EVERGREEN

A selection from the broad grained Evergreen in which the large-sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers and canners.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.90.

GOLDEN CREAM (A Late Yellow)

A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00. (Larger quantities of all Sweet Corns or other seeds at 10-lb. rate.)

For a succession in the home garden, plant Golden Bantam, Bantam Evergreen and Golden Cream.

Vaughan's Sweet Corn Specialties
Bantam Evergreen
Mammoth White Cory
Golden Bantam
Early Iowa
Malakoff
Early Evergreen

**PLANT
THE BEST**

Cucumbers for slicing are generally of the white spine type. For general home garden use Vaughan's Arlington White Spine a medium sized variety, and Davis Perfect a long sort will be found very satisfactory.

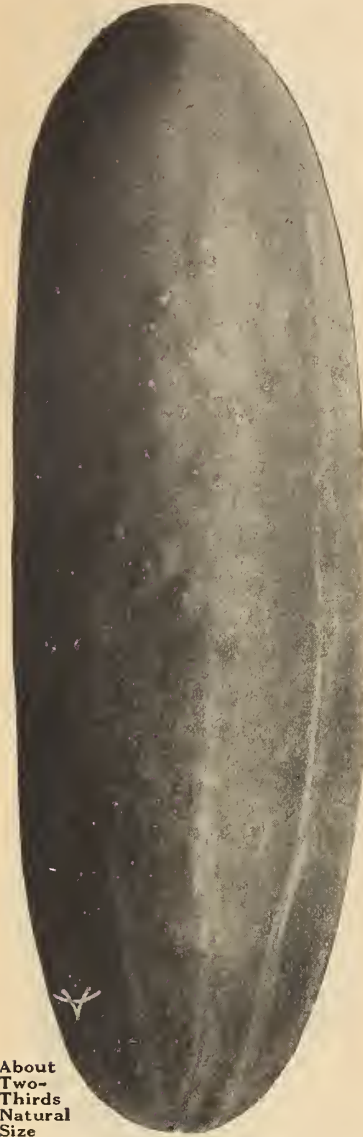
**STANDARD
VARIETIES**

VAUGHAN'S

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

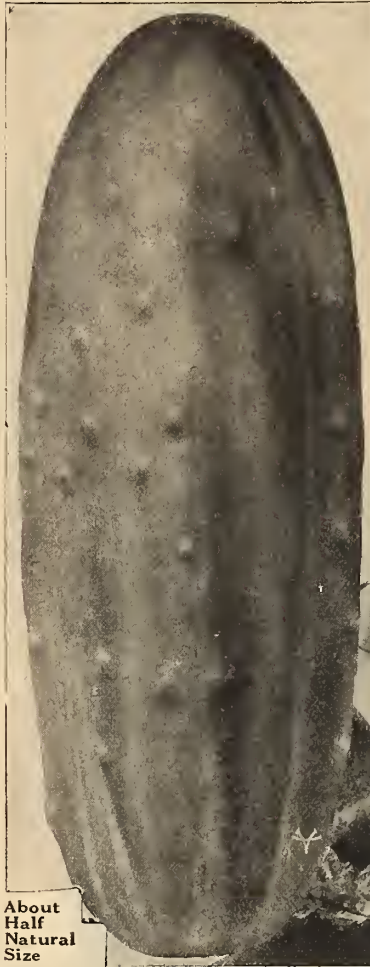
Is early, and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh firm but tender, with delicious flavor; these surpassing qualities have made it a great favorite. In the southern country it is a universally planted sort and Vaughan's strain of Improved Arlington White Spine is the standard for both home and market gardens.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



About Two-Thirds Natural Size

VAUGHAN'S ARLINGTON WHITE SPINE



About Half Natural Size

VAUGHAN'S BOSTON FORCING WHITE SPINE



BOSTON FORCING WHITE SPINE

In New York, Boston, Philadelphia and other exacting markets, Vaughan's "Boston Forcing Cucumber" is a "top notch" of forcing varieties. The vines are remarkably strong and very productive. The fruit is very even, smooth, slender, with dark green skin and whitish markings more blended than is usual, and the quality very superior. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

CUCUMBER, EARLY FORTUNE

An especially fine, medium length. White Spine Cucumber much planted in the south for shipment to the northern markets. It has a fine, dark green color which it holds for a long time after picking. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.**

CUCUMBER, EARLIEST OF ALL

A fair size, dark green White Spine. The earliest of good quality we have tried, of especial value in localities where blight prevents the maturing of the late and longer sorts; also of value in the south for first crop. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.**

EARLY CYCLONE. 3 to 4 inches long, earliest of the white spines; prolific. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

EMERALD. Smooth, almost spineless, dark green, which it retains well, fine for slicing. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.**

NICHOLS MEDIUM GREEN. Early, medium size, straight, smooth, dark green, good flavor, for pickling and slicing. **Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

COOL AND CRISP. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

ODD CUCUMBERS

Japanese Climbing. Grows quickly on poles or trellis, takes up little room in the garden. Fruit is good size, fine flavor, especially good for slicing and salads; does best in dry warm summers.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

Lemon Cucumber. Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list.

Pkt., 10c; oz., 20c.

Serpent or Snake. A curious, usually much twisted cucumber. **Pkt., 10c; oz., 25c.**

We specialize in choicest strains of Cucumbers as well as Radish

WESTERFIELD'S CHICAGO PICKLE

Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market.

The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great

pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get, for our selected seed.

When ripe the fruit is medium size, pointed at both ends, has large prominent black spines; the vines set fruit when young and continue bearing longer than other varieties.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end

while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. **Plant Vaughan's Seed.**

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

THE CUMBERLAND PICKLE

This is a variety of the White Spine Type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sorts, being thick set with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. Excellent for pickles and slicing. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

PICKLING



Dandelion, see page 18. Egg Plant, Endive, Horse Radish Sets, see page 19.

CUCUMBERS

SUITED TO ALL LOCALITIES

VAUGHAN'S Cucumber Specialties. Vaughan's Improved Long Green, Westerfield's Chicago Pickle, Snow's Fancy Pickling.

PLANT THE BEST

Splendid for Forcing. Excellent for Outdoors. **THE VAUGHAN** Best of All for Slicing. Uniform Size.



A really sensational novelty. In our opinion the best new cucumber ever introduced. Compared with other extra long white spine cucumbers, like Davis Perfect, Fordhook Famous, etc., it is much darker in color, more uniform in size, thinner and more prolific. (See illustration on back cover page). Don't fail to try it. We hope to offer in quantity next year. Pkt., 10c; oz., 40c; 1/4 lb., \$1.25.

DAVIS PERFECT



Fine length, slimmness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the best blight resister of the long sorts.

Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$1.75.
Stock seed—pkt., 15c; 2 for 25c; 1/2 oz., 60c; oz., \$1.00.

Improved Long Green

Vaughan's strain of "Long Green," is a strain improved and developed by re-selection. The vines of our strain are very vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. As a cucumber of the "black spine" variety, for slicing and for pickles, this is one of the very best. The flesh is very firm and crisp and has a distinctive fine flavor quite its own; they make excellent pickles, and when yellow and ripe the best sweet pickles. The fine dark green color, the size, shape, crispness, and flavor, make this the best of the "black spine" varieties.

Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$1.75.

EXTRA LONG WHITE SPINE

Like "Davis Perfect," "Extra Long White Spine," is a great blight resister. It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh. It is very early, vigorous and prolific and far more blight-proof than any of the ordinary sorts. Select stock, pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.60.

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color.

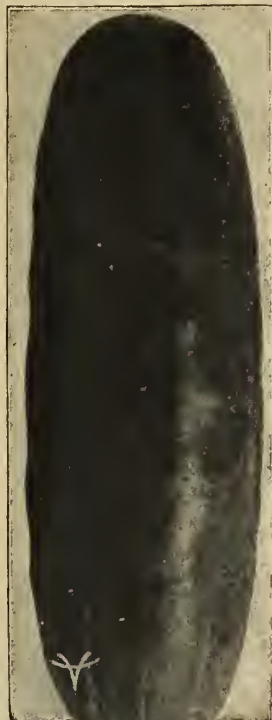
Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

NEW CENTURY—A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color well and is fine for slicing.

Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

FORDHOOK FAMOUS—White Spine. As long as "Davis," slightly bent, but very handsome, twelve to fifteen inches long. Quality is superb. dark green; vigorous.

Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.60.



About One-Third Natural Size
EXTRA LONG WHITE SPINE



DAVIS PERFECT CUCUMBER
Less Than Half Natural Size



IMPROVED LONG GREEN

CUCUMBERS



SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle,

have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$2.00.

Vaughan's Prolific Forcing. Early, shorter than others, uniform. Pkt., 25c; 3 pkts. for 65c.

	Pkt.	Oz.	1/4 lb.	lb.
Extra Early Green Prolific or Boston Pickling....	5c	15c	45c	\$1.40
Early Cluster.....	5c	15c	45c	1.40
Early Frame or Short Green.....	5c	15c	45c	1.40

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown. Pkt., 25c.

Prescott's Wonder. Fine flavored. Good yielder. Pkt. (50 seeds), 25c.

Carter's Model. One of the best English varieties. Large, straight, smooth. Pkt., 25c; 3 pkts. for 65c.

Sow a little Lettuce Seed amongst your cucumbers; some gardeners say the cucumber beetle won't touch the fruits if lettuce is grown amongst them.

OUR FREE DELIVERY. See inside back cover page explaining FREE DELIVERY to first three postal zones. FOR 5 CENTS PER POUND MORE WE PREPAY TO ALL ZONES.



**PLANT
THE BEST**

Sow Lettuce a little at a time, and often, for a continuous supply. Vaughan's All Seasons is the surest header.

**LOOSE LEAF OR
CURLED SORTS**

VAUGHAN'S

VAUGHAN'S SELECTED LETTUCE STOCKS

GRAND RAPIDS VAUGHAN'S SELECTED STOCK
A home garden favorite, extensively planted for market.

Grand Rapids Lettuce for hotbed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and its upright habit, requiring little room in the bed, permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

Vaughan's Extra Selected Stock:

Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; lb., \$1.50.

Standard Stock: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

TILTON'S WHITE STAR.

Large, very rapid grower, is a distinct variety of B. S. Simpson; leaves are very broad, thick, less frilled and darker than B. S. Simpson; they blanch well, good quality—slow to seed. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

PRIZEHEAD.

Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones, shaded brown; very crisp, sweet and tender, splendid for home garden.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

NEW CHICKEN LETTUCE

Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days. Always buy Vaughan's Selected Stock; Type, quality and germination of the seed make it really cheaper.

These need transplanting to mature properly. Use Nitrate of Soda to hasten development. See page 117.

CABBAGE OR

VAUGHAN'S ALL SEASONS

In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish-green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term excellent; the inner leaves blanch beautifully. This sort is a sure header and slow to run to seed. Vaughan's introducer's selected stock is the exclusive favorite of Chicago market growers.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50.



ALL SEASONS

VAUGHAN'S

**HEAT
RESISTING**



**BUTTERY
FLAVOR**

MAY KING. A very early heading variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

ST. LOUIS BUTTER-HEAD. Extensively planted. Has gained great popularity since the St. Louis World's Fair in 1904. Large, solid head, crumpled leaves, yellow center. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

WAYAHEAD. Very early head lettuce, in season about time of "May King." Is larger than May King. The head is of golden-yellow, and the outer leaves light-green. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

BLONDE BEAUTY. Try it. A remarkable heat resister, excellent keeper after cutting, tender, sweet, crisp and juicy. Fine shipper. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

UNRIVALLED. A light green strain of Big Boston. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50.

CALIFORNIA CREAM BUTTER. One of the best summer varieties. Heads good size and solid. Beautiful appearance, crisp, rich, huttery flavor. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

TENDER HEART. Early, tight-heading; green leaves, edges tinged reddish-brown. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.



COS LETTUCE

Considered by many the highest type of lettuce; has distinct upright habit, very crisp and sweet. Needs transplanting

EXPRESS COS. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

PARIS WHITE COS. Grows to large size. Self-closing. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

TRIANON COS. Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

KALE, see page 19. KOHLRABI, LEEK, see page 18.

LETTUCE

LOOSE LEAF OR
CURLED SORTS

Vaughan's Lettuce Specialties
Big Boston, Select Stock. Has the highest
reputation in southern market sections.
Grand Rapids Select. The greenhouse
grower's standard.
Vaughan's All Seasons. A sure header.
Black Seeded Simpson. Select stock.

PLANT
THE BEST

ARE STANDARD FROM COAST TO COAST BLACK SEEDED SIMPSON

Seed of this important sort is grown for us with special care. We supply many gardeners who make their living as lettuce growers.

(Varieties listed on top half of these two pages are loose leaf sorts, while the bottom half describes head lettuces).

Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground. It is unsurpassed as a heat resister, and is especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. Its fine appearance makes it a success on the market, and in the home garden.

Vaughan's Selected Stock: Saved from extra selected plants. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; lb., \$1.50.

STANDARD STOCK: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EARLY CURLED SILESIA: A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EARLY CURLED SIMPSON: White seeded, similar to Early Curled Silesia—one of the best leaf lettuces.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

THE MORSE: Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Central Market Lettuce—crop failure.



BLACK
SEEDED SIMPSON

DENVER MARKET FORCING: Early; forms loose head of good size; leaves light green, handsomely marked, and blistered like Savoy Cabbage; very crisp and tender, a forcing or open ground sort. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

HEAD LETTUCE

Lettuce needs rich warm soil. Fertilize liberally. See page 117.

IMPROVED HANSON

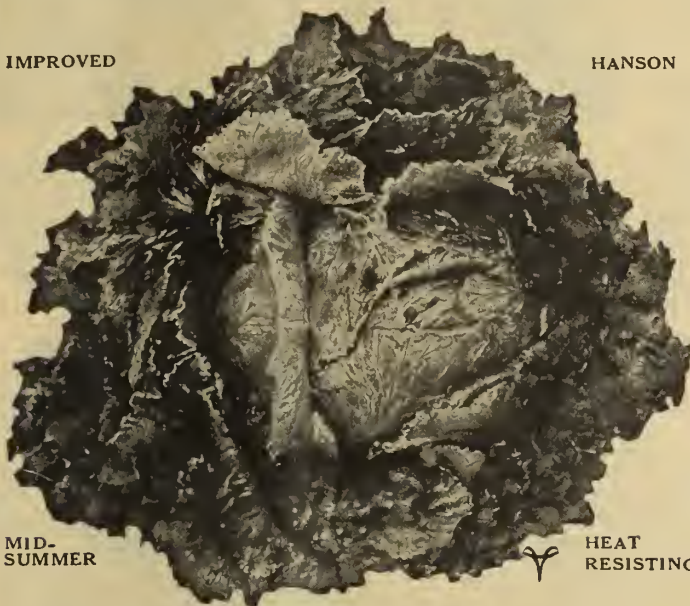
The Most Reliable Header for Home Garden

On all markets—a well known, highly approved lettuce. Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

IMPROVED

HANSON



MID-SUMMER

HEAT RESISTING

PERPIGNAN OR SUMMER DEFIANCE. Excels for long standing. Resists heat better than most others. Heads are large, firm and solid. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

MAXIMUM OR IMMENSITY. A wonderful heat resister. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

VAUGHAN'S BIG BOSTON FOR THE SOUTH

With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is considered the best early large heading sort. North, a valuable first early. Large heads of bright green leaves which are very tender. One of the very best for forcing. Seed provided especially for us same as Simpson above. Vaughan's selected stock.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

BLACK SEEDED BIG BOSTON

An improved shipping strain of the Big Boston. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. In great demand in large Southern lettuce sections. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

THE DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful golden yellow; rich buttery flavor.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

OTHER IMPORTANT KINDS

ICEBERG. Extremely hard heading, has finely indented leaves. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

GOLDEN QUEEN. A good first early. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

GIANT CRYSTAL HEAD. White solid, extra quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

GIANT GLACIER. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

MAMMOTH BLACK SEEDED BUTTER. Large hard heads. A favorite everywhere. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

MIGNONETTE. A delicious, crisp, solid, small lettuce; very hardy stands close planting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

NEW YORK OR WONDERFUL. Large white leaves. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

BUTTERCUP. Lightest green and most yellow of all sorts. Excellent quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

BROWN DUTCH. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

SALAMANDER. Good all seasons. Resists heat. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

TENNIS BALL. Black Seeded. One of best standard sorts. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

TENNIS BALL. White Seeded. (Boston Market). A good forcer. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

WHITE SUMMER CABBAGE. Green, very hardy, popular. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**PLANT
THE BEST**

**VAUGHAN'S
ORIGINAL
OSAGE
VAUGHAN'S IMPROVED
MILWAUKEE MARKET**

**VAUGHAN'S EXTRA
EARLY OSAGE
DON'T
MISS
IT**

VAUGHAN'S



OSAGE (Introduced by J. C. Vaughan)

VAUGHAN'S PAUL ROSE



This is another melon introduction of Vaughan's Seed Store, and as such we offer it to professional melon growers as a variety of **basket packing size** that fills every requirement a first-class melon should have. **Paul Rose** is the result of crossing **Osage** and **Rocky Ford**, an exceptional combination of melon qualities, the rich quality, color of flesh and fine flavor of Osage, with the deep netted skin, shape and size of Rocky Ford. This grand melon combination produces the largest percentage of high-class table melons. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage.

Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50.
Standard Stock. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.40.

TIP TOP

A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielding. **Selected Stock.** Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

MONTREAL MARKET NUTMEG

The largest of the nutmeg varieties. This melon is extensively raised near Montreal, being sown and grown in cold frames until ready to set out. Skin is dark green, flesh green. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.**

VAUGHAN'S MILWAUKEE

This seed grown by (See Back ourselves in Michigan. Cover)

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old

Our strain has been improved by careful selection and for a fine home melon and a market wagon variety it has no superior. The skin is light green, fruits nearly round with only slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness.

Every home gardener who can grow musk melons should plant this for 1922.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



MILWAUKEE MARKET

VAUGHAN'S ORIGINAL OSAGE

Most growers of Muskmelons have learned that success with this vegetable varies greatly with soil conditions; many kinds are adapted for only one soil or location; **Vaughan's Osage** is a notable exception to this rule, it not only succeeds on all soils, but great value lies in its **general purpose adaptability** either for small town markets, rail shipments or home use.

In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well; in sandy soil it is at home and a money-maker for growers. Seldom, indeed, is there a poor quality Osage; it holds its **own rich flavor** much longer than other sorts, and best of all the red-fleshed. As the introducers we pride ourselves in maintaining its uniform quality for our old-time customers. We carefully re-select our seed melons each season to insure this.

Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., \$2.50.
Standard Stock. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.40.

SPECIAL SHIPPING OSAGE. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful, and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.**

VAUGHAN'S EXTRA EARLY OSAGE

Extra early strain of the Popular Orange Flesh Osage Melon. Not as large as Vaughan's Original Osage, but at least ten days earlier and of equal quality. Market Gardeners will find it a money-maker. **Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.25.**

NEW MUSKMELON POLLOCK, 10-25

Salmon tint. The most popular of the Rocky Ford Type Melons among the western commercial growers. Introduced about two years ago, the stock has been controlled until now by a few shippers. Very uniform in highest quality; vigorous and early. Cuts with a golden center shading to a green at the rind. The latest and best Rocky Ford. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

Edwards Perfecto (New Pink Meat Cantaloupe). Offered for the first time. (See Novelty Pages). The coming shipping Melon.



VAUGHAN'S PAUL ROSE

**IMPROVED
JENNY LIND,**

Vaughan's Selected Stock. A compact packer, with rind thick at ends, which are flattened and are not easily broken when crated or basket-packed for shipment. The quality of its yellowish-green flesh is unsurpassed.

Pkt., 5c; oz., 10; ¼ lb., 35c; lb., \$1.25.



TIP TOP

MELON PESTS. Watch out for cut worms, aphid and blight. Use Paris Green mixed with bran for cutworms; "Blackleaf 40" for Aphid, and Bordeaux mixture for blight. (See Insecticide prices, page 109.)

FORCING MELONS

Highest Table Quality; Suitable for Greenhouse Growing:

SMITH'S IMPROVED EMERALD GEM FORCING. Salmon flesh.
A1 SUPERB. Scarlet flesh.
BEST OF ALL. White flesh.
BLENHHEIM ORANGE. Scarlet flesh.

DIAMOND JUBILEE. Green flesh.
RINGLEADER. Green flesh.
ROYAL SOVEREIGN. White flesh.
Price of each, pkt., 25c.

MUSKMELONS

We are the introducers of **Osage, Hoodoo, Paul Rose, and Osage Gem**—melons of quality, shape, and size for home or market use. Don't fail to give them a trial.

PLANT THE BEST

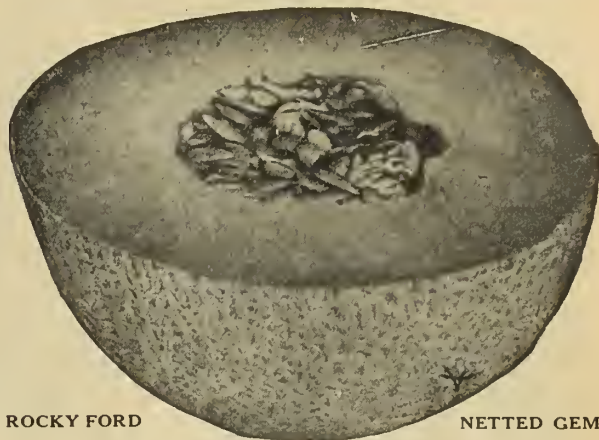
ROCKY FORD NETTED GEM

Of the green-fleshed muskmelons **Rocky Ford** is the recognized standard of excellence. To secure the real high-class quality possible to produce in this melon, it is necessary to have seed saved from choicest specimen melons only. We offer two grades of seed: **Vaughan's Selected Stock** which is saved from specimens of the highest class market melons—since "like produces like"—and **Standard Stock** saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

Picture at right shows specimen grown from **Vaughan's Selected Stock**. Note the small seed cavity and thickness of flesh. Our strain is the popular gold-lined tint.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.
Standard Stock. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

VAUGHAN'S CHICAGO MARKET. This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40.



ROCKY FORD

NETTED GEM

VAUGHAN'S HOODOO Our Own Introduction



HOODOO Introducer's Strain. The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality—fine grained, not stringy and of the sweetest flavor. Size and Shape—just right, so it may be served out in halves. Flesh and Color—deep orange, extremely thick. As a Shipper—uniform, like "peas in a pod." Netting is ideal, heavy and close. Prolific and uniform, produces well under unfavorable conditions and withstands blight better than most varieties.

HOODOO melons from Michigan points bring highest market prices in competition with the whole United States.

SELECT STOCK. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.
Standard Stock. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.40.

Morrill's Re-selected HOODOO (Hearts of Gold). Selected especially for shipping. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as **Netted Gem**, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest, hardiest, most prolific of netted melons—and has fine flavor. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25. **Hackensack—late strain;** Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

OVAL NETTED GEM. Old style Gem which was in favor before the new **Rocky Ford** types, and now, in the East is often preferred to **Rocky Ford**.

Price, Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.15.



EXTRA EARLY HACKENSACK



MELON, HONEY DEW

An old-time French melon imported by **Vaughan's Seed Store** for a melon specialist in Michigan; later found of good commercial value. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and the color blends from a near white at the rind to emerald green at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesses a peculiar honey flavor. In short season localities it should be started on sods in the hotbed, as it is several weeks later than the **Rocky Ford**.

Honey Dew is best when quite ripe. Store a few days after picking.

Pkt., 10c; oz., 20c; 2 oz. 30c; ¼ lb., 50c; lb., \$1.75.

SWEET AIR—(New). Very popular around Washington, Baltimore and Philadelphia. Being a green-fleshed melon of superior flavor and correct size, is well suited to that region, and commands the highest market price. It is 5 to 6 inches across and 7 to 8 inches long. The netting is good, and crated stand long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. The vines withstand blight better than other gem sort, and remain green until fruit is fully ripe.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

GARDEN LEMON. Fruit nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor.

Price, Pkt., 10c; oz., 20c; ¼ lb., 50c.



MANGO MELON OR VEGETABLE PEACH. Orange shaped, golden-yellow flesh. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets.

Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.75.

VAUGHAN'S OSAGE GEM. A real gem with salmon colored delicious flesh, and where **Rocky Ford Netted Gem** is produced in Colorado it is as much in favor as green fleshed variety. Introduced by us under the name "Vaughan's Osage Gem," it is now the most renowned melon of any offered on the market. It is listed in all seed catalogues under other names. The skin is heavily netted like the **Rocky Ford** and the luscious salmon colored flesh is of the highest quality.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.60.

EMERALD GEM

The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper; it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.60.

EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality.

Price, Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.15.

BANANA. Cucumber shape. Delicious odor.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

EXTRA EARLY NUTMEG. Very early; green flesh.

Price, Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.15.

ROUND GEM. A perfect globe-shape type of netted Gem. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.



OSAGE GEM MUSKMELON

Cole's Early

The Northern States' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notch. It is oblong shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. The flesh is rich and deliciously sweet.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; 5 lbs., \$3.25; 10 lbs., \$7.00.

Kleckley Sweets

This is a grand, old established variety of Vaughan's Special Watermelons. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous, and properly stands as the type of excellence for eating. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.00

New Chilean

Attractive, of medium size, nearly round, skin deep-green, faintly mottled and striped, striped of brighter shade. The flesh is bright vermilion, fine grained, very sweet and a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Irish Grey

A mottled greenish grey, every melon very distinct. A fine shipper and the equal of any in sweetness and quality

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

Tom Watson

There's delicious sweetness in every bite. The flesh is rich red, crisp and tenderly melting. The quality of this melon changed the market demand from the round to the long melons.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00; 5 lbs., \$4.00.



TOM WATSON

VAUGHAN'S BLACK DIAMOND. Very large, prolific, medium early, dark green skin, red flesh, blunt oval shape, fine shipper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

HALBERT HONEY. A variety somewhat similar to Kleckley Sweets—of much darker color. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

ALABAMA SWEETS. A Southern favorite; there it grows to perfection, and is a grand shipper. It is oblong in shape, dark green skin, irregular striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine; the seed is white. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; 5 lbs., \$4.00.

SWEETHEART. Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Standard Varieties

COLORADO CITRON. For preserves. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.
RED SEEDED CITRON. For preserves. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Any of the following: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.
EARLY FORDHOOK. Earliest shipper.
CUBAN QUEEN. Late, large, good.
ICE CREAM OR PEERLESS. Early, fine quality melon.
IMPROVED KOLB'S GEM. A standard market shipping melon.
McIVER'S WONDERFUL SUGAR. Very Sweet, long melon.
RATTLESNAKE OR GYPSY STRIPED. Oblong, striped and mottled; very sweet; popular South.
TRIUMPH. Very dark; large shipper.
FLORIDA FAVORITE. Long, striped grey monarch. Oblong, light green.
ICEBERG. Similar to Kolb's Gem.
MOUNTAIN SWEET. Oblong, thin rind.
PHINNEY'S IMPROVED. Early, medium size, oblong.

Winter Watermelon

This is an exceptional melon for fine keeping quality; put in a cool place it keeps long into the winter and retains its delicious sweetness and flavor.

Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; lb., \$1.60.

MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and borne abundantly. They should be gathered when less than half grown. Pkt., 10c; ½ oz., 30c; oz., 50c.

For culture see "Vaughan's Vegetable Garden," mailed free with \$1.00 order for Garden Seeds in packets or ounces.

MUSTARD

Leaves useful as salad or boiled like Spinach.

CHINESE OR GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.
IMPROVED OSTRICH PLUME. The handsomest of the mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.
WHITE, Best for general use. } Pkt., 5c; oz., 10c;
BROWN, Stronger than above. } ¼ lb., 25c; lb., 75c.

OKRA, OR GUMBO

This vegetable should be planted a good deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

WHITE VELVET. Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.
DWARF. Grows low but stocky and is very productive.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.
TALL OR PERKINS' MAMMOTH. The long pods measuring 4 and 5 inches are produced in great quantities. Handsome green color and best quality.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



PERKINS' MAMMOTH OR TALL

OKRA

Mushroom Spawn

Lambert's "Pure Culture Tissue Spawn"

Made from mushrooms grown under cultivation; absolutely fresh, of quicker and stronger growth than imported spawn. Our manufacturers in this country keep us supplied with regular monthly shipments to meet the extensive business we have developed in this line—



THE PRODUCT OF LAMBERTS NEW PROCESS "SPORE CULTURE" SPAWN.

the result is our patrons secure the best, quickest and livest spawn on the market. The varieties we carry are white, cream-white and brown.

Price—Direct Bricks, inoculated direct from Pure Culture Tissue. Brick (weight 1½ lbs.), 30c; 5 bricks, \$1.30; 10 bricks, \$2.50; 25 bricks, \$4.75; 100 bricks, \$18.00.

No. 7 Brown (Bohemian). A good producer of heavy mushrooms.

No. 8 Cream White. A mammoth strain.

No. 9 White (Alaska). Popular market variety.

English Mushroom Spawn.

Our English Mushroom Spawn manufacturer is the oldest established and most extensive grower in the world. The superiority of this over all other importations is well known by experienced mushroom growers. We are the largest importers in the U. S., receiving 8 to 12 shipments annually; this spawn is carefully made from perfectly grown specimens. It comes in the form of pressed bricks.

Prices (weight per brick, 1¼ lbs.), brick, 25c; 2 bricks, 40c; 8 bricks, \$1.40; 25 lbs., \$3.25; 100 lbs., \$12.00; if shipped from New York, per 100 lbs., \$11.50.

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly saleable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We print and give FREE with orders for our Mushroom Spawn, a leaflet, "How to Grow Mushrooms." We supply the highest quality of Mushroom Spawn to the largest commercial "caves" in the country, both from our Chicago and New York stores.

Lambert's New Process Spore Culture Spawn. (Novelty.)

In this new Spore Culture spawn which has been developed in France and is now produced in America, a more vigorous and a more prolific spawn is claimed. Not only that, but types have been more definitely fixed and absolute uniformity secured.

We offer same kinds and numbers as of the "Pure Culture Tissue" Spawn quoted below.

Price—Brick (weight, 1¼ lbs.), 35c; 5 bricks, \$1.50; 10 bricks, \$2.75; 25 bricks, \$5.50; 100 bricks, \$20.00.

Onion Sets and Onion Seed



GREEN ONIONS FROM SETS will be your first Garden Crop. 30,000 packets sold by us in New York and Chicago in one spring.

Illustration shows fair samples of our RED, WHITE and YELLOW SETS, the inset bulbs showing about natural size of "Hazel" Nuts.

WHITE BOTTOMS

Pint, 20c; quart, 35c; ½ pk., 65c; peck, \$1.10; bushel, \$3.50.

YELLOW BOTTOMS

Pint, 15c; quart, 30c; ½ peck, 55c; peck, 95c; bushel, \$3.00.

RED BOTTOMS

Pint, 15c; quart, 30c; ½ peck, 55c; peck, 95c; bushel, \$3.00.

SPECIAL OFFER No. OSI—1 pint each, 3 colors, 40c; 1 quart each, 3 colors, 75c. (Postage extra).

EGYPTIAN OR RED PERENNIALS

These we sell largely in the Fall. Planted then, they produce very early green onions. Pint, 20c; qt., 35c; ½ pk., 65c; pk., \$1.00; bu., \$3.50.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For farther zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

Please Read This Page Carefully.

We grow, grade and store in special warehouse the best quality possible. Orders are filled with dry, unsprouted sets. Our warehouse has 50,000 bushels capacity. Day and night men protect against weather changes. Onion Sets produce ripe onions much quicker than does Onion Seed, enabling the planter to secure the highest market prices for his early onions and to raise a second crop.

VAUGHAN'S HAZEL SIZE ONION SETS

These are especially screened and carefully selected and run about ⅝ inch in diameter.

Price, Hazel Size, White, Red or Yellow.

Pint, 25c; qt., 45c; larger quantities at qt. prices.

WHITE MULTIPLIERS

For First Early Spring Bunching Onions. They are pure silvery-white, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. Pint, 25c; quart, 40c; ½ peck, 85c; peck, \$1.45; bushel, \$5.50.

SHALLOTS OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 20c; qt., 30c; ½ pk., 75c; pk., \$1.35; bushel, \$4.50.

RED SUMMER TOP SETS. These are planted to produce both early "Green Onions" and large eating onions. Pint, 20c; quart, 35c; ½ peck, 85c; peck, \$1.40; bushel, \$5.25.

YELLOW POTATO. They produce large, dry ripe onions, earlier than any other kind. Pt., 20c; qt., 30c; ½ pk., 75c; pk., \$1.35; bushel, \$4.50.

All Onion sets offered by us are sold on a basis of 32 lbs. to the bushel except Summer Tops and Egyptian which weigh 28 lbs.

Onion Seed, Flat and Miscellaneous Varieties

WHITE PORTUGAL

FINE KEEPER



GOOD

PICKLER

WHITE PORTUGAL OR SILVERSKIN

This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions; for any one or all of these purposes it is extensively planted by growers who produce the varieties named as large white onions for fall and early winter use. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.90. By express—5 lbs., \$8.00; 10 lbs., \$15.75.

STRASBURG OR YELLOW DUTCH

Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown and has no superior.

Pkt. 5c; oz., 10c; ¼ lb., 30c; lb., 90c. By express—5 lbs., \$3.50; 10 lbs., \$6.75.

EARLY WHITE WELSH ONION

The best kind for green onions, forms no bulb. Plants can be propagated from seeds or divisions.

Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

BROWN AUSTRALIAN (Flat)

A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, heavy yielder, and a long keeper; keeps well in warm climates.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c. By express—5 lbs., \$3.75; 10 lbs., \$7.00.

EXTRA EARLY FLAT RED

One of the handsomest red onions, and first to ripen; grown from Vaughan's carefully grown seed will ripen two weeks earlier than other strains.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.35. By express—5 lbs., \$6.25; 10 lbs., \$12.00.

OHIO GROWN FLAT YELLOW

A very hard long-keeping onion, especially bred for growing sets.

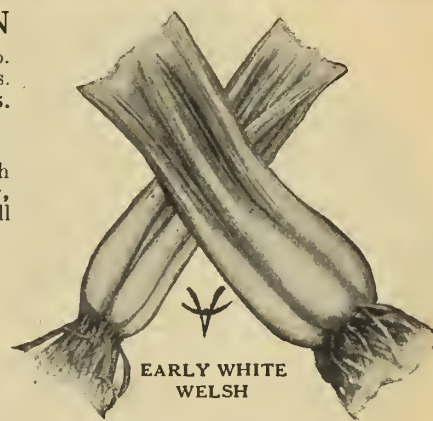
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

CHIVES. See Herb list, page 91.

We have made a specialty of high grade, pure-type onion seed for many years. If you require a large quantity write for special prices before ordering elsewhere.

The Onion Seeds and Sets were sure fine and I hope to do business with you next season.

KARL W. GREIFE, Pittsfield, Ill.



EARLY WHITE WELSH

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions.

Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.10.

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned.

Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.10.

WHITE BARLETTA. Beautiful waxy-white.

Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.10.

I had exceptional success this past season with your Ailsa Craig Onion Seed. The Onions when harvested far excelled in sweetness and tenderness any onions I have ever grown.
IDA D. BENNETT, Coldwater, Mich.

PLANT THE BEST

Beware of Onion seed of slow sprouting vitality. Sow Vaughan's tested seed.

VAUGHAN'S ONIONS

TRUE TYPE
BEAUTIFUL
YELLOW
SKIN



The present high onion prices are due to a combination of light planting and poor yields due to the unfavorably hot dry early season in the largest onion growing districts. We also want this year, to again call attention to the growing demand by consumers for onions. While it is often true that heavy crops follow small ones, and low priced onions follow high priced onions, this is not always the case, especially this year, which may be an exception, when many growers are looking to reduce their labor costs (which cannot be avoided in growing onions). To the regular

grower we advocate at least the average acreage. Onion seed is in good supply this year in spite of a rather short crop. We test every bag we sell and will be pleased to furnish recent germination test on all lots if the same are requested. It has been demonstrated time and time again that our Eastern (Illinois grown) onion seed, grown from carefully selected bulbs, actually wintered over in storage for seed purposes, produces better keeping onions than seed raised from California bulbs planted out late in the fall in the mild climate of the Pacific Coast.

SOUTHPORT YELLOW GLOBE

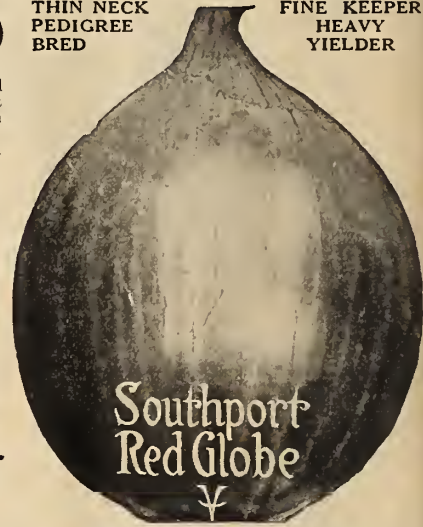
The Vaughan strain of this onion is the most uniform on the market today. It is ball-shaped and not so elongated as to make any undersized specimens seem like picklers. Our eastern seed bulbs are hand sorted by ourselves and the seed grown under our direct supervision. The ideal heavy yielding, long keeping Golden Yellow market onion.

Eastern Crown Seed. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.15; 5 lbs., \$10.00; 10 lbs., \$18.00.
California Crown Seed. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.35; 5 lbs., \$6.25; 10 lbs., \$11.00.



THIN NECK
PEDIGREE
BRED

FINE KEEPER
HEAVY
YIELDER



OHIO RED GLOBE



An onion with fine uniform Red Color. Shape resembles Ohio Yellow Globe. The seed is grown for us by the originator of this strain, an experienced onion grower in Lake County, Ohio. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.15; 5 lbs., \$10.00; 10 lbs., \$18.00.

SOUTHPORT RED GLOBE

In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

Eastern Crown Seed. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.15; 5 lbs., \$10.00; 10 lbs., \$18.00.



ONION, IDEAL YELLOW GLOBE

A "bottle necked" type of Yellow Globe Onion selected along the lines of the European Pear-shaped Onions. This type is much admired by many onion growers, and under favorable conditions produces the finest appearing bulbs of any market onion. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

SOUTHPORT RED GLOBE (California Seed). Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50; 5 lbs., \$6.50; 10 lbs., \$12.00.

VAUGHAN'S SPECIAL YELLOW GLOBE

WE STAKE OUR REPUTATION ON THIS ONE



An early Yellow Globe introduced by us into the Chicago section recently. Slightly smaller than Southport. It produces a fine market onion. In some places early aphids did no damage to this onion last year, but ruined the later crop. Pkt., 10c; oz., 20c; 2 oz., 25c; ¼ lb., 60c; lb., \$2.00.

APPLE-SHAPED RED GLOBE

Eastern Crown Seed. Rounder than Southport Red Globe. Very small neck; sound and solid. Color dark red. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.15.



AILSA CRAIG

A SURE PRIZE WINNER



For Early Green Onions, plant Onion Sets. See page 29.

LARGE POPULAR

AILSA CRAIG—Vaughan's Selected Stock

A winning sort, gaining in popularity every season, because it makes money for the growers. This onion has individual merit by which it has secured, and retains, recognition. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thin neck which tells of its bred-in fine quality; it is, for a large onion, a splendid keeper; for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable. Pkt., 15c; oz., 40c; ¼ lb., \$1.15; lb., \$3.75.

PRIZETAKER—American Grown

Amongst large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become finely acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40; 5 lbs., \$6.25; 10 lbs., \$11.50.

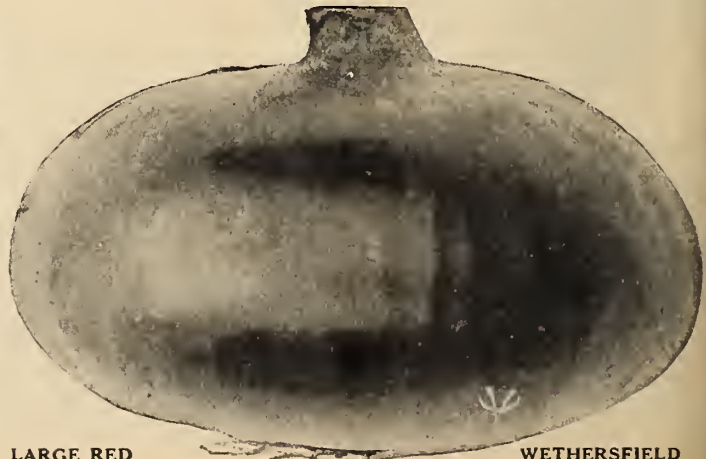
To attain largest size, plant in early spring in hotbed, later transplant to open ground. This applies to all large onions.

LARGE RED WETHERSFIELD

An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Our seed is carefully selected California grown—none better. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.30; 5 lbs., \$6.00; 10 lbs., \$11.50.

ONION, GIANT GIBALTAR

A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strains runs slightly larger in size than the usual run of Prizetaker. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.



LARGE RED

WETHERSFIELD

PEDIGREED SEED

No seed of unsatisfactory germination is sold by us. We test each lot and each bag. Sow Vaughan's Eastern Crown Onion Seed.

PLANT THE BEST

The growing and storing of the Globe or market varieties of Onions interests thousands of our customers, and to this type we have given special attention, resulting in the best that can be produced. Vaughan's "Ideal" type is almost globe shaped, not elongated, (see illustration). The strain which we use has been selected by the same growers for more than 20 years and is, in our opinion, the best fixed Yellow Globe Onion. We offer this same type of Southport Yellow

Globe grown in California at a lower price than Eastern seed. Our Ohio Yellow Globe Onion is grown in Lake County, Ohio. This is a flat-bottomed, high-necked type, specially suited to muck soils. Our Fancy Yellow Globe Danvers is a slightly flatter onion than the Ohio Yellow Globe; Globe Danvers still flatter and Yellow Danvers and Strasburg really flat.

In handling our Eastern seed, different colors are sown $\frac{1}{2}$ mile apart, and stored in different houses after harvest.

OHIO YELLOW GLOBE



CRYSTAL-LIKE SKIN

GLOBE OF FINEST QUALITY

VAUGHAN'S IDEAL WHITE GLOBE

A strikingly handsome onion; expert market growers recommend it in the highest terms. This is a very early type, it ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white Vaughan high merit onion. Market growers have been our constant, satisfied customers, for this onion for many years.

Eastern grown seed. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 40c; 2 ozs., 75c; $\frac{1}{4}$ lb., \$1.20; lb., \$4.00.

California grown seed. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.00; 5 lbs., \$10.00; 10 lbs., \$18.00.

OHIO YELLOW GLOBE



Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers. Eastern Grown Seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.10.

California Grown Seed. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.35; 5 lbs., \$6.00.

AUSTRALIAN BROWN GLOBE. Large light brown skin and an average bulb 3 in. in diam.; weighs about 7 oz. Perfect globe-shape, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.35; 5 lbs., \$6.00; 10 lbs., \$11.50.

VARIETIES

Don't overlook Vaughan's Cook Book of Vegetables. (See bottom of Pea page). Free with every \$1.50 order for packets and ounces, if asked for on order.

FANCY YELLOW GLOBE DANVERS

Buy Early—Plant Early. Use Nitrate of Soda for Onions; it gives young plants needed food. See page 117.



FANCY YELLOW GLOBE DANVERS

This onion is a standard amongst the large types; it is early, almost true globe-shape, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.35; 5 lbs., \$6.00; 10 lbs., \$11.50.

YELLOW FLAT DANVERS

A standard Onion with many splendid qualities; a valuable general crop sort. It is of medium size, quite thick through, but flattened, has coppery yellow skin, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 95c; 5 lbs., \$3.65; 10 lbs., \$7.00.

For home or market gardens it is equally popular and standard.



YELLOW FLAT

DANVERS

YELLOW GLOBE DANVERS. Same as Fancy Y. G. Danvers, except that it does not run as globe-shaped, but color, ripening and keeping are identical. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.30; 5 lbs., \$5.50; 10 lbs., \$10.00.

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weighs 2 $\frac{1}{2}$ to 4 lbs. It matures early and is uniformly large and of good shape; flat, but thick. Skin is clear silvery white, flesh snowy white tender, sweet and mild. Ideal for exhibition, fancy market or table. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.10.

CRYSTAL WHITE WAX. This is a pure white flat onion, very popular in the South, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Teneriffe seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

WHITE BERMUDA. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

If you and your neighbors use a large quantity of Onion Seed let us quote you special "Quantity Prices" with our samples and test marks, as early as you can. Strong sprouts prove high vitality.

**PLANT
THE BEST**

Vaughan's Potatoes

**PLANT
THE BEST**

FOR more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota. To-day Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

We are listing Michigan grown certified stock on several of the standard varieties this year. Such seed has been inspected by State Seed Supervisors and the growing fields examined for disease and trueness to type as well as the harvested tubers. We charge only a minimum advance over common stock for such seed.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes. Write for latest market quotations. We are large carload handlers of potatoes and are always in line with the prevailing market. On a quality basis we can always meet competition. Get our figures on large lots before ordering elsewhere.

Vaughan's Improved Early Ohio (Red)

A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs., \$3.25 per 100 lbs.



IRISH COBBLER—Early Heavy Cropper

An early of medium size, and in light soil maturing almost as soon as the smaller cropping Early's. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota, and is superior to strains grown elsewhere.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs., at \$3.25 per 100 lbs.

Woodbury's White Rose (Early)

A splendid early potato. A seedling from "Early Rose." It is right in size, beautiful kidney-shape with pure white skin and flesh. The vines are vigorous and resist early blight, and the yield is double that of some other extra early sorts.

½ pk., 60c; pk., \$1.00; ½ bu., \$1.85; bu., \$2.75; 100 lbs., \$4.00; 500 lbs., at \$3.65 per 100 lbs.

ACME

A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardens.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs. at \$3.25 per 100 lbs.

NEBRASKA—The Best Rural Type

This is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years, the Nebraska has out-yielded all standard kinds. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carmen or Rural type; size larger and quality superb. Certified stock, Michigan grown.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs. at \$3.25 per 100 lbs.

BLISS OR RED TRIUMPH. For more than a decade this has been the standard early potato in the South. It is a round, reddish skinned potato, rather deep eyes and of medium size. As they appear early in the spring on the northern market they are very attractive and, of course, command a large premium over old stock.

½ pk., 60c; pk., \$1.00; ½ bu., \$1.85; bu., \$2.75; 100 lbs., \$4.00; 500 lbs. at \$3.65 per 100 lbs.



VAUGHAN'S IMPROVED EARLY OHIO

Rural New Yorker, No. 2

Very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. Known everywhere as "Dusty" Rural.

½ pk., 45c; pk., 75c; ½ bu., \$1.40; bu., \$2.25; 100 lbs., \$3.25; 500 lbs. at \$3.00 per 100 lbs.

Russet Rural or Petoskey

A superb late variety of recent introduction. Remarkable on account of its freedom from disease. This variety is an excellent yielder. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities. There is practically no waste in peeling as the eyes are almost on the surface. Certified Michigan-grown seed.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs. at \$3.25 per 100 lbs.

Other Rural Types

SIR WALTER RALEIGH. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Exceedingly fine-grained and white-fleshed. Michigan-grown certified stock.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs. at \$3.25 per 100 lbs.

GREEN MOUNTAIN. After careful trials we list this as the most desirable of the cylindrical late potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep, it is not so good on heavy or clay lands as the crop is liable to run undersized. On loam the tubers run uniformly large. It cooks dry and mealy with a particularly fine flavor; some growers claim "Bug Proof." It is an immense yielder. Michigan-grown certified stock.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs. at \$3.25 per 100 lbs.

CARMAN NO. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. Carman No. 3 grows to the largest size of these sorts.

½ pk., 45c; pk., 80c; ½ bu., \$1.50; bu., \$2.50; 100 lbs., \$3.50; 500 lbs. at \$3.25 per 100 lbs.

SWEET POTATOES

Grown Especially for Seed

We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansmond.

YELLOW. 10 lbs., \$1.10; 50 lbs., \$3.75; 100 lbs., \$7.00.

REDS. 10 lbs., \$1.25; 50 lbs., \$4.00; 100 lbs., \$7.50.

N. B.—Owing to perishable nature of these tubers we ship by express only.



WOODBURY'S WHITE ROSE

**PLANT
THE BEST**

PEERLESS PEPPERS

**PLANT
THE BEST**

VAUGHAN'S GIANT MAGNUM DULCE

This grand pepper has appropriately been styled the "Salad King" But it is not in salad form alone that it excels, for there are other forms in which to prepare it. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. Vaughan's Magnum Dulce Sweet Pepper can be grown to immense size. 7 inches long and 4 inches through, but when grown so large the yield is small. To get a larger yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Seed of Magnum Dulce is saved from picked specimens.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

NEW SWEET UPRIGHT SALAD

Is an early, prolific, good sized, sweet, mild, pepper; so mild indeed that it may be eaten raw. In the northern states it is a most desirable sort; in habit the bushes are of medium height, and bear the peppers upright, not drooping. The size being medium they are just right for stuffing and frying; the bright glossy green color, which turns to a waxen red when ripe, makes this a very attractive pepper. Buy Vaughan's Seed—the best.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.15.

CRIMSON GIANT, Early Pepper

An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.90.

NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruit is of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60.

MAGNUM DULCE The BIG One



CHINESE GIANT

This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "King blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.15.

PIMENTO

Flesh extremely thick and very mild. Must be started early in the North to mature its fruits fully.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60.

VAUGHAN'S SWEET MOUNTAIN

The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, though sharper than "Upright Sweet Salad," is very mild and thick. The peppers often grow 6x4 inches.

Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

RUBY KING

One of the most popular varieties growing 4½ to 6 in. long, 3½ to 4 in. thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender.

Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

OTHER PEPPER SORTS

BULL NOSE. Sweet Mountain.

CAYENNE. Long red; very hot.

CAYENNE PICKLING. Dwarf; upright.

ELEPHANT'S TRUNK. Long, scarlet.

MAMMOTH GOLDEN QUEEN.

GOLDEN DAWN. Mild yellow.

TABASCO. Hottest of all. Pkt., 10c;

½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

RED CHILI. Good hot pickling.

RED CLUSTER. Small and pungent.

RED CHERRY. Fruit small; good pickler.

SWEET SPANISH MONSTROUS.

Price of the above: Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60.

Vaughan's Seed Store, Chicago, Ill.

Crystal Lake, Ill.

We are highly pleased with the way you have filled our little orders the past season. Your seeds have had a severe test with us and in almost every case have proven better than seeds from other houses, side by side.

MORGAN BROS.

Plant 1 oz. to 25 hills,
4 pounds to the acre (alone),
or 2 pounds (with corn).

VAUGHAN'S PUMPKINS

In a small garden
plant pumpkins along
a low fence which vines
will climb on.

VAUGHAN'S SUGAR PIE PUMPKIN (See cut)

Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for "more"; the seed cavity is small.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

VAUGHAN'S MAMMOTH PRIZE.

A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late corn season to mature, needs plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

WINTER QUEEN OR WINTER LUXURY.

Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting as russetty as a potato.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50.

SMALL SUGAR.

Flat sort, good for the home garden.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.



VAUGHAN'S SUGAR PIE PUMPKIN

LARGE CHEESE

Of large size, shape flat like a cheese box; very productive. Keeping quality excellent, extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 95c.

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruit averages fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange—yellow flesh.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.15.

OTHER DESIRABLE KINDS

	Pkt.	oz.	2 oz.	¼ lb.	lb.
JAPANESE PIE. Finest quality, good keeper.....	10c	20c	35c	45c	\$1.60
GOLDEN OBLONG. Orange color. Flesh yellow, excellent flavor.....	10	15	25	45	1.40
SWEET POTATO. Bell-shaped. White flesh. Used for pies.....	10	20	35	50	1.60
LARGE TOURS OR MAMMOTH FRENCH. Very large size.....	10	20	35	50	1.50
QUAKER PIE. Pear-shaped. Rich flavor and good keeper.....	10	20	35	50	1.65
CUSHAW WHITE OR CUSHAW STRIPED. Popular southern sorts; fine flavor. Either one... ..	10	20	35	50	1.65

Don't overlook Vaughan's Cook Book of Vegetables, (see bottom of page 36) FREE with every \$1.50 order for packets and ounces, if asked for on order.

PLANT THE BEST

We are now offering Peas by the pound, instead of dry measure. 1 lb. is a little more than 1 pint. 2 lbs., are a little more than 1 quart. Write for prices on larger than 10-lb. lots.

VAUGHAN'S

LITTLE MARVEL



The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

NOTT'S EXCELSIOR

Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

PIONEER—"Giant Podded Dwarf"

About the same general usefulness as Laxtonian. In some sections this pea has done better than Laxtonian, while in others Laxtonian is in greater favor—pods as large as Gradus; almost if not quite as early. The peas are large and of superb flavor.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.

Vaughan's New Pea, TOP O' THE MORN

This is one of the best of the new Dwarf Giant Podded Peas. The vines are of a deep green color, growing 18 inches in height. The pods are blunt-ended, like Nott's Excelsior or Little Marvel, and are produced in clusters all up the haulm.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

SUTTON'S EXCELSIOR IMPROVED

Is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



LITTLE MARVEL

EARLY AND MAIN

NEW PEA, LAXTONIAN

The New Dwarf Gradus

This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, tall has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productivity.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.

AMERICAN WONDER

Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfier than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

EXTRA EARLY PREMIUM GEM OR LITTLE GEM

An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

LAXTON'S SUPERB PEA

This is a semi-wrinkled, extra early dwarf pea; permits early planting as it does not rot in the ground as fully wrinkled peas do. The pods are very large and borne in profusion.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.75.

Antioch, Ill., June 17, 1920.

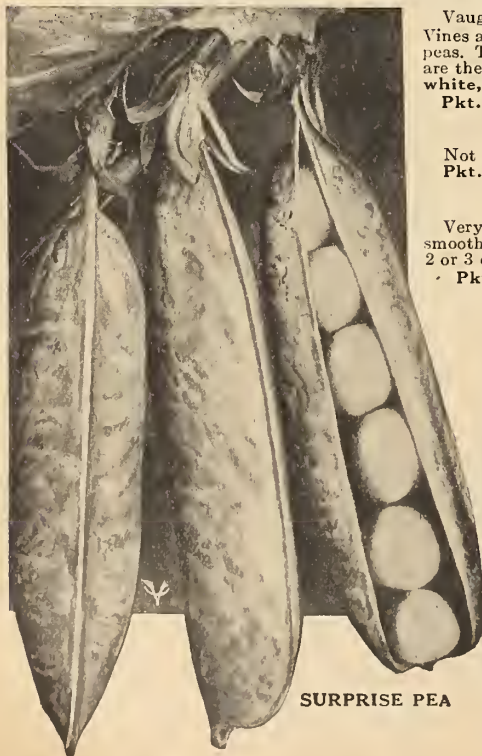
The plants already received, very fine ones and the seed potatoes were choice ones and I never saw finer ones.

BYRON L. SAWYER.

NORTHERN GROWN

EXTRA EARLY

SURPRISE—Pea of Quality



SURPRISE PEA

VAUGHAN'S SELECT EXTRA EARLY MAUD S

Vaughan's strain of this excellent sort should be planted by every grower. Vines are 20 to 26 inches high, pods 2 1/2 to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor, and tenderness of Vaughan's Maud S are the qualities for which our strain is known by growers and consumers. Seed white, round and smooth; crop ripens evenly and extra early.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85.

FIRST AND BEST

Not quite as early as Maude S, a trifle larger and a heavier yielder.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85.

THE AMEER

Very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85.

MARKET SURPRISE—A New Extra Early Pea

A new, smooth seeded, extra early, growing about 30 inches high and bearing its large pods, filled with peas of remarkably fine quality, in great abundance. It is a sturdy grower, with pods larger than Ameer, filled with wonderfully sweet, fine flavored peas.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

ALASKA—Called EARLIEST OF ALL



In season same as "Maud S." Alaska and "Maud S" are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true, always reliable and gives best results. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.75.

SURPRISE—The Earliest Pea of Quality

In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S, because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

Read inside back cover showing what we prepay.



ALASKA or
EARLIEST OF ALL

DWARF PEAS

Remember, 2-lb. lots or less are prepaid. The 10-lb. lots go at buyer's expense. See zone rates for postage needed.

PLANT THE BEST

CROP VARIETIES—BRUSH NOT NEEDED

VAUGHAN'S DWARF DEFIANCE

Pea growers cannot afford to overlook this splendid **main crop success**; it is without a superior, a **grand second early**. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.

HEROINE

A **main crop semi-dwarf** that is extremely prolific; vines 30 inches high, with luxuriant foliage. Long, pointed, slightly curved pods, filled with sweet, luscious, peas.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25; Larger quantities at 10-lb., rate.

McLEAN'S ADVANCER. Is a favorite with market growers and canners who consider it the **best producer of mid-early sorts**. McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.75.

DWARF TELEPHONE OR DAISY.

A **mid-season maturing sort of merit**; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a **splendid variety**, of which we offer a high-class re-selected stock.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.

HORSFORD'S MARKET GARDEN

Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no hushing, and is a heavier producer. The pods are well filled with peas of fine quality.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$1.75.

JUNO OR DWARF CHAMPION. Main crop dwarf **wrinkled** pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 10 peas of very best quality.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.10.

VAUGHAN'S SWEET MARKET. An excellent maincrop pea. Its season follows right after the Extra Earlys and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet, strong vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



HEROINE



DWARF DEFIANCE

Plant Dwarf Peas in the home garden. They have many advantages over the tall sorts. They require no supports, may be planted closer, one foot between the rows, and bear as abundantly. See varieties listed on upper portion of page 34.

TALL SORTS BEAR BEST WHEN BRUSHED

GRADUS—VAUGHAN'S RE-SELECTED STOCK

Gradus is the **greatest of the wrinkled peas**; it is large and in flavor equal to the best wrinkled kinds. A table luxury and delight which retains its color and fine appearance after being cooked. It is the most popular of all the extra early wrinkled peas. It is tender and should be planted in the warmest spot in the garden; it matures fully two or three days later than the hard round extra early sorts. Vines 30 inches, pods 4 inches long, beautiful green color, with 10 or more rich, tender peas in each.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.

NEW PEA, MARCHIONESS

A valuable addition to the tall early varieties. It may be briefly described as an Extra Early Gradus. The pods are of equal size to Gradus and the season several days earlier. Quality superlative. Plant this and be the first on the market with a good sized quality pea.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

THOMAS LAXTON

This is a selection of Gradus; the season is identical with Gradus, but the pods are **square at the end and deeper green**. Vines are 3 to 3½ feet high. The main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.65.

TOP O' THE MORN

Large podded dwarf. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

VAUGHAN'S LATE GRADUS

This is a **special Gradus Pea, bred to fill a special place and time**. It comes in between the last of the Gradus and the first of the Telephone. It possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. It is a most important introduction for market gardeners.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

THREE DWARF PEAS, RIPENING IN SUCCESSION

At the special prices given below (except No. 1) buyer pays express charges.

Little Marvel (First).	Dwarf Defiance (Second).	Heroine (Third).
No. 1. 1 pkt. of each 25c (prepaid)	No. 3. 2 lbs. of each (6 lbs.)	\$1.50
No. 2. 1 lb. of each (3 lbs.)	No. 4. 10 lbs. of each (30 lbs.)	6.50

Inoculate your seed peas with "Nitragin"—nitrogen-gathering bacteria. See page 106.



THOMAS LAXTON

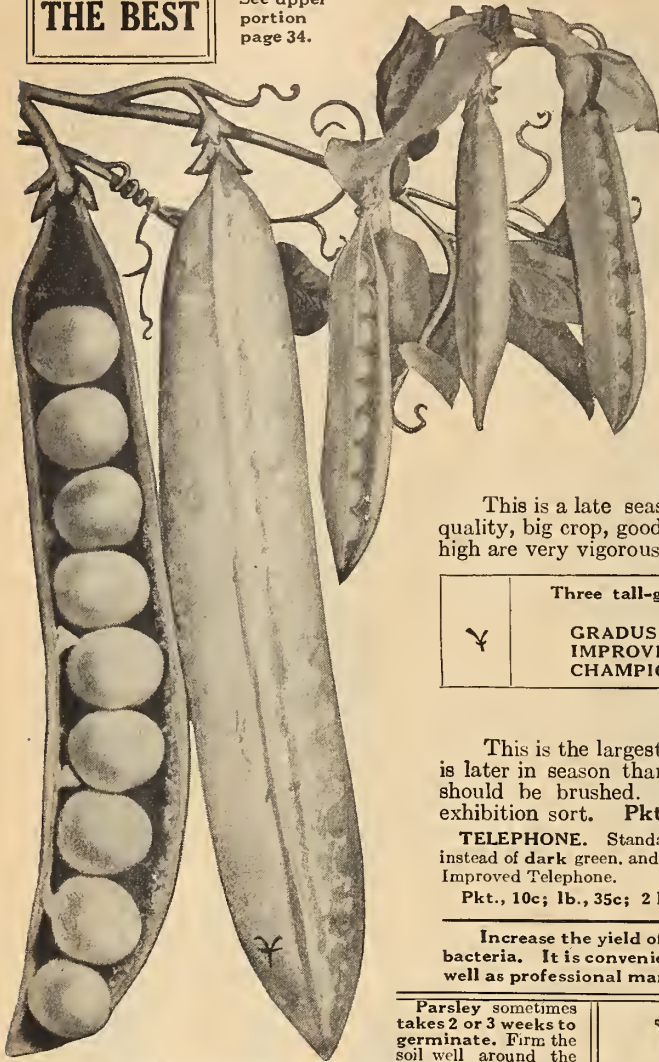


GRADUS PEA

**PLANT
THE BEST**

Plant the Dwarf Sorts in the home garden; they yield abundantly, require no support and can be planted more closely.

See upper portion page 34.



seed after sowing and keep the ground from drying out.

VAUGHAN'S

VAUGHAN'S IMPROVED TELEPHONE

Of the tall growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. In the home garden its value is attested by heavy yielding and excellent quality.

Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. The fine, rich, dark green color of the pods gives them the highest market value. The crop maturing evenly makes only a few pickings necessary, and ensures the gardener a good profit.

Vaughan's Improved Telephone pea grows 4 feet high; it is a main crop variety, and a heavy yielder.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

Don't overlook Vaughan's Cook Book of Vegetables (see bottom of page), free with \$1.50 order for packets and ounces, if asked for on order.

CHAMPION OF ENGLAND

This is a late season tall pea, and as such has long been a recognized standard for best quality, big crop, good sized pods filled with peas of superb flavor. The vines grow about 5 feet high are very vigorous and productive. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

Y	Three tall-growing sorts to be planted at the same time to mature successively.		Postpaid by Mail	By Express at Buyer's Expense	Y
	GRADUS.....	1 pkt., each.....		\$0.25		$0.75
IMPROVED TELEPHONE.....	1 lb., each (3 lbs.)			1.40	
CHAMPION OF ENGLAND.....	2 lbs., each (6 lbs.)			6.85	
	10 lbs., each (30 lbs.)				

"QUITE CONTENT"

This is the largest podded pea, the pods being 5-6 inches in length, quite exceptional for size. It is later in season than "Vaughan's Improved Telephone," the vines grow 5 to 6 feet high and should be brushed. They yield long pods filled with large peas of fine flavor. A splendid exhibition sort. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

TELEPHONE. Standard stock, the pods are light instead of dark green, and are not quite as uniform as our Improved Telephone.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

BOSTON UNRIVALED. Of the light colored tall sorts, this is the highest type. A mid-season variety large podded and very uniform, peas of good quality.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

Increase the yield of your peas by inoculating the seed or soil with "Nitragin"—Nitrogen-gathering bacteria. It is conveniently put up in various sized tins to meet the requirements of home gardeners as well as professional market growers. See page 106.

Parsley sometimes takes 2 or 3 weeks to germinate. Firm the soil well around the seed after sowing and keep the ground from drying out.

VAUGHAN'S PARSLEY

VAUGHAN'S XXX PARSLEY

"The most beautiful Parsley that ever garnished a dish."

An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, adds zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden—many of our customers plant it as a border for which it is very pretty; it also is valuable in the hot-bed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

VAUGHAN'S CHAMPION MOSS CURLED. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is entirely satisfactory.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

Vaughan's Vegetable

Cook Book

Here is a book that in these times of forced economy will prove its full worth to the industrious housewife. Contains over two hundred talks and recipes on how to serve, cook and preserve the products of your garden. It is a book that you will soon find you cannot do without, and the benefit you derive will amply compensate us for our time in collecting and putting together the contents. You are entitled to your own opinion on how to do things, but read also what the others, many of them experts, say. It only costs 35c, or you get it FREE with a \$1.50 order for Vegetable Seeds in packets or ounces if you ask for it.

VAUGHAN'S
XXX
PARSLEY

TALL GROWING PEAS

**PLANT
THE BEST**

PRINCE EDWARD

Very large pods. This is an English strain of the "Telephone," selected and bred especially for size of pods. The peas are large and good flavor. Splendid showy variety.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

ALDERMAN

This mid-season pea is tall-growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific; of the best quality.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

EVERBEARING

For late summer and autumn; very prolific variety. Pods, about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$1.90.

YORKSHIRE HERO

An old standard variety; vines medium tall produces a fine crop of broad, well filled pods. Peas are wrinkled, sweet, large and remain a long time in good condition.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.00.

LONG ISLAND MAMMOTH.

Known also as Telegraph. Later and hardier than Telephone, with smooth seeds. The pods are not so large nor the peas of as good quality as Telephone.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.40.

BLACK EYE MARROWFAT (Late).

A great yielder of ordinary quality peas.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.60.

WHITE MARROWFAT.

Similar to Black Eye. Popular heavy yielder.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.60.

EDIBLE POD PEAS (Cooked like String Beans)

DWARF GRAY SUGAR. Vines 16 inches.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.65.

LUSCIOUS SUGAR.

Tall growing strain of above. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

MAMMOTH PODDED SUGAR.

A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; 1 lb., 40c; 2 lbs., 70c; 10 lbs., \$3.00.

Next to Sweet Corn, Fresh Peas are the most delicious of all garden products



"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS.

VAUGHAN'S PARSNIPS

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll. 1 oz. of seed will sow 100 foot row.

VAUGHAN'S MARROWFAT PARSNIPS

The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequalled. For exhibition purposes it is a winner.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 25; lb., 85c.

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 15c; ¼ lb., 25c lb., 85c.

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

Parsnips are a valuable stock food as well as a table dish. They are often used for flavoring soups and broths without being eaten,



VAUGHAN'S MARROWFAT—Handsome and Best

PLANT THE BEST

Don't overlook Vaughan's Cook Book of Vegetables (see bottom of Pea pages). Free with every \$1.50 order for packets and ounces, if asked for on order.

EARLY SORTS

(F)—Forcing Sorts

VAUGHAN'S



VAUGHAN'S SELECT SCARLET GLOBE

Vaughan's sale of Radish Seed to the many under-glass gardeners—growers of lettuce and radish—runs into thousands of pounds annually. Many of them buy our seed months in advance and keep these special strains always on hand.

VAUGHAN'S CARDINAL FORCING (F)

Is a splendid marketing radish; of the **Globe-shaped** sorts it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent—for early sowing in the home garden it is a winner. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

CRIMSON GIANT (F)

For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow seed thinly to permit root growth. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.15.

GIANT BUTTER (F)

This is by far the largest of the early turnip, forcing radishes, exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hotbed variety for forcing—the tops are extremely short and the tap root is small. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

EARLY SCARLET GLOBE WHITE TIP. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

VAUGHAN'S ALL SEASONS. May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

The Radish Seed shortage of past seasons has been entirely overcome. We now have a good supply of best strains of French types, raised by careful American growers. We are satisfying our customers who have been forcing these under glass for many years. In these cases we

EARLY SCARLET GLOBE FORCING (F)

Vaughan's GLASSHOUSE Strain

Market Gardeners ask for Special Catalog. Lowest Prices.

For hotbed and greenhouse forcing, and out-door planting. Very early, crisp, mild and tender, very attractive and one of the best sellers. This radish is rich bright scarlet in color, of uniform globe-shape and stands heat without becoming pithy. It is ready for the table in 25 days.

Vaughan's Scarlet Globe Radish should be planted in every greenhouse and garden for market as well as home use. For the home, plant every 10 days until into June; again end of August.

Vaughan's Select Stock—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35. Standard Stock—Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; 5 lbs., \$4.00. 5-lb. lots as priced here go at buyer's expense, all smaller lots prepaid.



IMPROVED BREAKFAST (See page 39)

EARLIEST CARMINE TURNIP (F)

The best and quickest all red turnip shaped radish, matures in about 21 days. For forcing under glass it excels, and for outdoor planting in the home garden it is one of the best varieties. Crisp, sweet and tender, leaves, very short. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.15.

EARLIEST WHITE TURNIP (F)

Good for forcing or open ground, tops are short and tap root thin. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.15.

TRIUMPH

A very early, handsomely mottled red and white striped, short topped radish of good quality, especially attractive, really a table decoration.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., 95c.

BRIGHTEST LONG SCARLET (See Below.)

This is a home garden favorite; it combines beauty and fine quality; the body is brightest scarlet color, which blends downward to a long tip of pure white. Usually ready for the table in 25 days from planting.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by exp., not prepaid, \$2.75.



EARLY LONG SCARLET SHORT TOP

A long, straight, smooth, red radish; it grows partly above ground; it develops long roots, tender, crisp and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

WOOD'S EARLY FRAME. (F) An early forcing variety of long scarlet; has short top, especially selected for growing under glass. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

HALF LONG DEEP SCARLET. (F) This is good for forcing, it is brittle and mild. It is much grown in the South for early shipment. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

Don't Sow Winter Sorts Until Late June

LONG AND

VAUGHAN'S MARKET. (Half Long White). The best early half-long white radish, tender, brittle, delicate flavor, resembles Strassburg in size, grows more quickly, delicate and fine.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 80c.

CINCINNATI MARKET. A long red radish, white tip, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 80c.

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. All of the following: Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 80c.

IMPROVED CHARTIER. Somewhat resembling brightest scarlet. It is double the size and later; long scarlet tipped with white.

LONG WHITE VIENNA. Snow white, very brittle and crisp.

WHITE STRASSBURG. Larger size and thicker than Vienna. Very solid.

WHITE STUTTGART. A turnip shaped, large white radish.

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Very short crop. Pkt., 10c; oz., 30c.

Each of the following: Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

CALIFORNIA MAMMOTH WINTER. Long, very large size.

ROSE OR SCARLET CHINA. Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. Like long black, only round.

LONG HALF BLACK WINTER. Fine sort. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

LONG WHITE SPANISH. Like Long Black, except color.

ENCOURAGE GOOD HEALTH BY THE FREE USE OF VEGETABLES

Asparagus assists in the cure of kidney trouble.

Beets and Potatoes are fat producing.

Carrots aid digestion.

Lettuce is a remedy for insomnia.

Lettuce, Onions and Celery are good nerve tonics.

Parsley and Endive are good for dyspepsia.

Parsnips are a good spring medicine.

A liberal use of the above will save doctors' bills.

Spinach is excellent for the kidneys.

Tomatoes will stimulate the liver.

Water Cress is a good bracer.

RADISHES

OVAL VARIETIES
(F)—Forcing Sorts

Radishes must be grown quickly without check and will consequently require rich, mellow soil. Enrich your ground with Vaughan's 5-8-1 Truck and Farm Manure. See page 117.

PLANT THE BEST

specify American-grown varieties. In the home garden plant Vaughan's Early Scarlet Globe, Cardinal Forcing, Giant Butter or Crimson Giant for first planting; Icicle, Scarlet Turnip White Tip (Sparkler Strain) or Long Scarlet for main crop. Late sorts July 1.

SCARLET TURNIP WHITE TIP

VAUGHAN'S SELECTED STOCK

The exceptional merit of this radish is proved by its popularity, increasing every year with successful market-gardeners, whose orders for Vaughan's Seed run into many thousands of pounds.

This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with white tip and is a high-class strain for out-door planting. It combines beautiful appearance with finest radish-quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for open ground.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10; 5 lbs., \$5.00.

American Crown. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; 5 lbs., \$3.00.

VAUGHAN'S 20-DAY

Extra Early (F) Olive-Shaped.

The quickest Red Olive-shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

EARLIEST WHITE OLIVE (F)

Earliest of all radishes—matures in 15 to 18 days after sowing.

This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



VAUGHAN'S 20-DAY

Five-pound lots at these prices are not prepaid. See zone postal rates.

I think the Bantam Evergreen Sweet Corn, I bought the seed of you last spring, is fine corn, but the season has not been good here this year, so I could not tell just what it would have been. Has been rather cool and very dry, but the first two rows we planted has done well with the weather we had. Think it better than the Golden Bantam.

Yours truly,
MRS. G. W. EDWARDS,
Penn Yan, N. Y.



SCARLET TURNIP, WHITE TIP "SPARKLER" STRAIN

IMPROVED BREAKFAST (F)

An excellent early olive-shaped radish about 2-inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

OLIVE-SHAPED DEEP SCARLET. Similar to Vaughan's 20-day.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

OUAL YELLOW MAY. A new sort, fine quality. Pkt., 5c; oz., 15c; ¼ lb., 45c.

NON PLUS ULTRA. (F). Scarlet turnip-shaped. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

OTHER GOOD RADISH KINDS

Price, any of the following:

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

FRENCH BREAKFAST. Quick and handsome.

MIXTURE. Turnip and olive shaped varieties.

EARLY DEEP SCARLET TURNIP. An old standby.

YELLOW TURNIP. A summer variety.

GOLDEN-YELLOW SUMMER TURNIP. Smooth.

Vaughan's "Sparkler" Strain of White Tip Radish has no superior. It has been carefully selected to meet the requirements of critical eastern gardeners who plant it extensively and buy their seed from us.

OTHER SORTS

Sow other kinds every 10 days to end of May for succession.



ICICLE—The Finest White Radish

An ideal white radish—long slender root which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

Pkt., 10c; oz., 15c. ¼ lb., 30c; lb., 85c.

SAKURAJIMA

A Japanese radish of immense size. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May.

Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground, but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor.

Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.75.

LONG WHITE SALSIFY. Pkt., 10c; oz., 20c; ¼ lb., 55c., lb., \$1.75.



SALSIFY, MAMMOTH SANDWICH ISLAND

SCORZONERA, OR BLACK SALSIFY

Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 10c; oz., 30c; ¼ lb., 85c.

IMPROVED LONG BLACK (BLACK SALSIFY). This variety is earlier than Scorzonera, it may be planted in the late spring without running to seed; the longer season thus permitting a considerably larger growth of root. Pkt., 10c; oz., 30c.

RAMPION—A New Salad

Both the roots and leaves make a delicious salad. Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.

**PLANT
THE BEST**



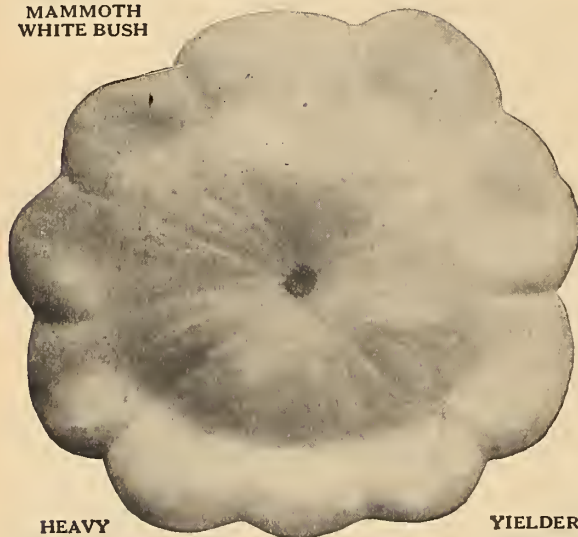
**VAUGHAN'S TRIUMPH
SPINACH**

VICTORIA SPINACH

Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**MAMMOTH
WHITE BUSH**



HEAVY

YIELDER

BUSH FORDHOOK SQUASH

A new bush type of the original Fordhook, unequalled in quality and delicious sweetness by any variety, whether for summer or winter use. If stored before frost in a warm dry place, it will furnish winter squash for table use until the new crop is ready.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

FORDHOOK—Early

Ripens early and is one of the best keepers. Can be kept through the winter until June. Is very prolific, and nearly bug and borer proof.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

YELLOW SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.**

VEGETABLE MARROW

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

VAUGHAN'S

VAUGHAN'S TRIUMPH SPINACH

Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warty, and fine and tender when cooked.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

VAUGHAN'S GIANT FILLBASKET

The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor. **Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.**

BLOOMSDALE OR NORFOLK SAVOY-LEAVED. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with southern truckers. **Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.**

EXTRA LARGE ROUND LEAF. Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use.

PRICKLY-SEEDED. Very hardy; sow in fall; for late use.

BLOOMSDALE. Identical with Vaughan's Norfolk Savoy.

LONG STANDING. Of compact growth with thick deep-green leaves. Slow to seed.

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth. N. Y. favorite.

Price of the above, except where noted. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

NEW ZEALAND SPINACH (Tetragonia Expansa)

While this is not a member of the Spinach family proper, it may well be classed as such, since it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked.

Do not sow seed until May 1st or when the soil is fairly warm, as it is susceptible to cold and will not germinate in cold soil. Plant in rows 3 ft. apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.15.

HERBS FOR THE HOUSEWIFE

Sage, Parsley, Caraway, Garlic, Horseradish, or Asparagus Roots will all be found in our Vegetable Department. All these add greatly to the effectiveness of the cook's efforts and make many foods and dishes attractive and palatable which otherwise are commonplace and little cared for

SUMMER SQUASH

VAUGHAN'S GIANT SUMMER CROOKNECK

Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruit that is heavily warted and true to type. The flesh is a rich golden-yellow, the quality and flavor of which is the very best.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

MAMMOTH WHITE BUSH

Is an improved selection of the old "Early White Bush," the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

EARLY WHITE BUSH. Very early. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.**

MAMMOTH YELLOW BUSH. Like Mammoth White Bush. The fruit runs a little larger and has a fine pale-yellow skin, creamy white flesh.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

GIANT WHITE SUMMER CROOKNECK. A large selection of the old "Summer Crookneck"; the skin is ivory white. The flesh is tender and of good flavor.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

**VAUGHAN'S GIANT
SUMMER CROOKNECK**



OUR FREE DELIVERY. See inside back cover page explaining Free Delivery to first three postal zones. For 5 Cents per Pound More We Prepay to All Zones.

Spinach has come more and more into general use; even Canned Spinach enjoys big demand and sale.

Spray your Squash vines frequently during early stages of growth with Pyrox. See page 109.

SPINACH

Including
SWISS CHARD
The ever-growing
Spinach

**PLANT
THE BEST**

SWISS CHARD—The City Garden Friend

LARGE LEAVED SEA KALE

This vegetable gives **maximum returns** for little care and space; it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. It can be used all **Summer** when spinach is not available. The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. As it grows, thin out for use and keep clear of weeds. Good cultivation increases its tenderness. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily idle spaces. The investment is small and returns large. Our packages contain recipes for cooking.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

COOPER'S MAMMOTH. This new mammoth sort is a medium green-colored variety of immense size—large chard or midrib of excellent quality and flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

12 VEGETABLES GIVING GREATEST RETURNS FOR LEAST SPACE AND LABOR.

Beans. Stringless Greenpod.	OFFER: 12 Varieties. One pkt. each, prepaid, \$1.00.	Onion Sets. White Bottom.
Beets. Vaughan's Fire Ball		Parsley. Vaughan's XXX.
Carrot. Early Chantenay.		Radish. White Tip "Sparkler."
Sweet Corn. Golden Bantam.		Radish. Icicle.
Cucumber. Davis Perfect.		Swiss Chard.
Lettuce. Black Seeded Simpson.		Tomato. Bonny Best.

WINTER SQUASH

THE DELICIOUS—For Quality

A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color; Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.20.

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan.; always salable, has handsome shape, smooth orange skin, good size, everyone likes it. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.30.

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh, of very superior quality, is light yellow. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

DELICATA. Orange-yellow, mottled with spots and stripes of dark green. Flesh, rich and solid, fine keeper and producer. Extra early. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.70.

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.



DELICIOUS SQUASH

You can increase hand labor results tenfold per day by using **IRON AGE** Hand Garden and Field Tools.



SWISS CHARD
FOR SUMMER GARDEN

GARDEN SORREL

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

ORIGINAL HUBBARD SQUASH

Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, and often weighs as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be sold in good condition until spring. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.65.



ORIGINAL
HUBBARD

Chicago has been a great market for Hubbard Squash for many years shipping carloads to Boston; our strains of this are best obtainable. Work 2 hushel's rotted manure thoroughly into 4-foot hill when planted.

VAUGHAN'S CHICAGO WARTED HUBBARD

Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; fruits are of large size, rough skin, dark-green in color. For producers on a large scale, these qualities are needed. Our strain is ideal for the home market, vines are of strong, robust growth, fruit is large, grand shape, heavily warted, flesh is bright orange, fine grained, rich and dry.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.65.

GOLDEN HUBBARD

Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season, but keep in fine condition through the winter. The skin is deep orange-yellow and very attractive. Flesh is deep golden-yellow, fine grained and delicious.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.65.

MARBLEHEAD

Prolific, light blue, olive shape, dry and sweet, delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.65.

ESSEX HYBRID—Turban-Shape

For fall or winter; large broad fruit; skin and flesh orange-red. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.65.

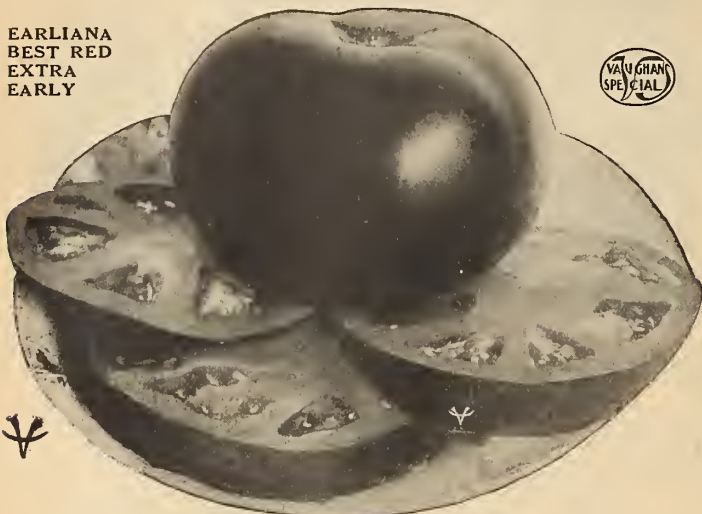
PLANT THE BEST

TOMATO PLANTS

We have ready about May 15th, carefully grown tomato plants. See page 91 for varieties and sizes.

VAUGHAN'S

EARLIANA
BEST RED
EXTRA
EARLY



VAUGHAN'S SELECT EARLIANA VERY POPULAR EARLY RED

Vaughan's Earliana is the earliest large, smooth bright red tomato. In season it ripens with the earliest, and our strain shows few, if any, of the rough fruits found in large numbers in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.20; lb., \$4.00.

JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a pink early tomato is most desired. This is the earliest of the pink varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find very few rough fruits, and in Western markets where pink tomatoes only sell readily, this is a splendid profit maker.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.30; lb., \$4.50.

AVON EARLY TOMATO

This is a scarlet fruited variety of the very earliest class. It bears as quickly as Earliana, produces fruits of good size, round or slightly flattened, smooth and free from cracks and of fine quality. It is very productive and its season is longer than other first earlies.

Pkt., 15c; ½ oz., 60c; oz., \$1.00; ¼ lb., \$3.50.

VAUGHAN'S NEW YORK

A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. It is a second early red-skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Unlike some of the early sorts, the vine yields large size fruits to the end of the season.

Pkt., 10c; ½ oz., 30c; oz., 50c.

JOHN BAER. A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days' difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort.

Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

BONNY BEST. Regarded as a shade later than John Baer. Smooth, large and uniform fruit; yields well until frost.

Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.20; lb., \$4.00.

CHALK'S EARLY JEWEL. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best.

Pkt., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.20; lb., \$4.00.

ACME—Early (Purple). Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

EARLY DETROIT (Purple). The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe-shaped.

Pkt., 10c; oz., 45c; ¼ lb., \$1.30; lb., \$4.50.

BEAUTY (Purple). Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

HUMMER—Early (Red). Globe-shaped, medium size, smooth, prepared for table without waste. Scarlet, free from cracks. Has heavy foliage and should be grown on trellises.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

VAUGHAN'S MODEL TOMATO. A handsome dwarf tree variety, potato leaf; foliage, large, broad, dark green, heavily blistered. The fruit is smooth, and of best quality—the color a brilliant scarlet.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

DWARF ARISTOCRAT. This is a scarlet Dwarf Champion. The size, shape, form and color are nearly perfect for home use. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet, making it ideal in home gardens.

Pkt., 10c; oz., 40c; ¼ lb., \$1.20; lb., \$4.00.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work

SUNRISE. Rich scarlet, medium size, solid, delicate flesh. Very prolific

Pkt., 25c; ½ oz., 35c.

COMET. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts.

Pkt., 25c; ½ oz., 35c.

HUBERT'S MARVEL. Scarlet color. Round like an apple.

Pkt., 25c; ½ oz., 35c.

BEST OF ALL, Sutton's. One of the old standards; good yielder of small scarlet fruits

Pkt., 15c; ½ oz., 25c.

FROGMORE SELECT. Almost round, small seed cavity, bright red.

Pkt., 25c; ½ oz., 35c.

LORILLARD. One of the best known and popular kinds.

Pkt., 15c; ½ oz., 25c.

STIRLING CASTLE. Small size, uniform and very productive.

Pkt., 25c; ½ oz., 35c.

LISTER'S PROLIFIC (new). Latest popular English sort.

Pkt., 25c.

DESCRIPTION
OPPOSITE

A SINGLE



CLUSTER

VAUGHAN'S MAMMOTH
PONDEROSA



DWARF CHAMPION

A good sort for the home garden. Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.30; lb., \$4.50.

DWARF
CHAMPION



TOMATOES

The Dwarf or Tree Tomatoes take up less room in the garden than the tall sorts and require no staking. Best sorts are Dwarf Aristocrat, Dwarf Champion and Dwarf Stone.

**PLANT
THE BEST**

DWARF STONE—The Largest Dwarf Tomato

This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone". The fruit is red, and specimens weighing $\frac{3}{4}$ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth.

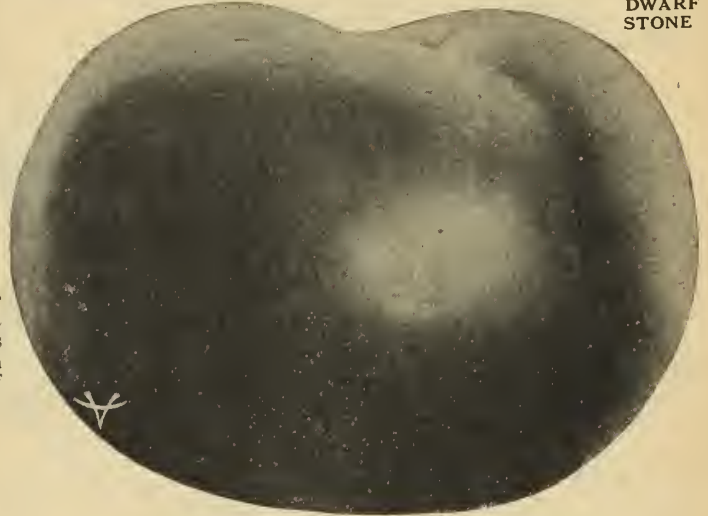
Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.30; lb., \$4.50.

PONDEROSA—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

DWARF
STONE



VAUGHAN'S
IMPROVED
NEW STONE



GULF STATE MARKET TOMATO

This globe-shaped purplish-pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks.

Pkt., 25c; $\frac{1}{2}$ oz., \$1.10; oz., \$2.00.



NEW GLOBE TOMATO

This new Globe or Ball-Shaped tomato is ideal for the home garden; it is excellent for slicing. The rich, juicy, tomato flavor gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies. They yield a heavy crop and continue to bear until frost. The skin is a smooth, glossy red; the flesh is firm and it has few seeds.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

NEW GLOBE



IMPROVED NEW STONE

"KING OF THE REDS"

The very best of the main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Canners plant it for their main crop and market-gardeners find it their most profitable sort.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

MATCHLESS. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{2}$ lb., \$1.15; lb., \$4.00.

CREAM CITY. This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

VAUGHAN'S TALL CHAMPION. An extremely strong grower and heavy bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging $2\frac{1}{4}$ inches thick and $3\frac{1}{4}$ inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

ENORMOUS. Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through at once. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.40.

CORELESS TOMATO. A late red; most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 tomatoes. Splendid for home gardeners and canners. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

CRIMSON CUSHION or Beefsteak. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.60.

MAGNUS. An early main crop; strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruit is globe-shape, and ripens evenly. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

GOLDEN PONDEROSA

A YELLOW GEM

This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.50.

Small Fruited Tomatoes

Very desirable for pickles and preserves.

New Grape or Cluster, Napoleon

This is the best of the so-called "dessert" tomatoes which are eaten whole. Immensely productive; sometimes 40 to 60 of the small fruits fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is delicious. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

RED CURRANT. Very small.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$1.85.

Prices of the following: Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.60.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long, 1 inch through; the one is lemon-yellow, the other plum-red.

YELLOW AND RED PEAR. Distinct shape.

RED CHERRY. Small fruit, bright scarlet.

HUSK or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet, prized for eating, preserving and making pies.

OTHER STANDARD SORTS

GOLDEN QUEEN. Brick yellow. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 30c; $\frac{1}{4}$ lb., \$1.20; lb., \$4.00.

All below at the following prices: Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Atlantic Prize. Early Red

Honor Bright. Fine shipper

Buckeye State. Large purple

Imperial. Early purple

Early Freedom. Very early

Perfection. Blood-red; late.

Early Michigan. Early Red

Trophy. Old standard; late.

Favorite. Early red

PLANT THE BEST

Mangels are as necessary to the general stock farmer as to the dairy farmer. Hogs will thrive on them almost as well as on alfalfa and sheep will just about live on them all winter.

WHITE FLESH VARIETIES

VAUGHAN'S

GARDEN OR

TURNIP, PURPLE TOP WHITE GLOBE



PURPLE TOP WHITE GLOBE

Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Splendid for table—tip top for stock. Pkt., 5c; oz. 10c; ¼ lb., 20c; lb., 75c; 5 lb., \$2.75.

EXTRA EARLY PURPLE-TOP MILAN

An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

EARLY WHITE MILAN is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

WHITE FLAT DUTCH, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern states; is medium sized, sweet, tender and desirable for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

EARLY SNOWBALL. Small, white, grows quickly, splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

MANGELS OR STOCK BEETS BARRES SLUDSTRUP

Holds the world's record for dry matter content. This Mangel has been awarded the first-class certificates several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety in weight and in the feeding value of the yield. Our seed is from the best Danish growers. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., \$2.75.

VAUGHAN'S MAMMOTH LONG RED. Largest and heaviest cropper of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veined with pink. Grows well up above the ground; easy to harvest. Splendid dairy feed. Oz., 10c; ¼ lb., 20c; lb., 55c, prepaid; 5 lbs., by exp., \$2.35.

GOLDEN TANKARD. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., \$2.75.

GIANT YELLOW INTERMEDIATE. Between the long and globe sorts in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.75.

CHAMPION YELLOW GLOBE. Skin a rich yellow, flesh white and solid; grows two-thirds above ground hence the best for shallow soils. Good keeper. Oz., 10c; ¼ lb., 20c; lb., 55c; 5 lbs., \$2.35.

GIANT YELLOW ECKENDORF. One of the most popular European varieties; contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots, cylindrical in form, weigh 15 to 20 pounds each; the greater portion grows above ground. Easily harvested. Oz., 10c; ¼ lb., 20c; lb., 55c; 5 lbs., \$2.35.

GIANT ROSE HALF SUGAR. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.50.

SUGAR BEETS—Fine for Stock

The kinds offered below are grown from roots the test analysis of which showed high sugar content. Prices of the following: Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., \$3.00.

VILMORIN'S IMPERIAL. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, with one per cent sugar.

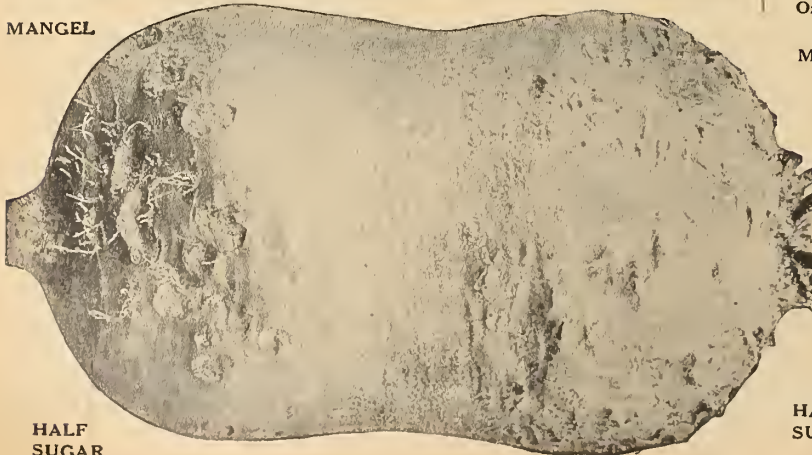
KLEIN-WANZLEBEN. Wedge-shape, tapering to long tail.

LANE'S IMPROVED. Heavy yielder; flesh snow-white.

FRENCH RED TOP SUGAR. Famous in France for percentage of sugar.

REDUCE YOUR SUGAR BILL. Sow a row of sugar beet for syrup. Cut beets into thin slices and soak in hot water to extract the sugar. The liquid is then boiled down. Very easily grown. One ounce will plant a 50-foot row.

MANGEL



HALF SUGAR

MANGEL



HALF SUGAR

MANGEL BARRES SLUDSTRUP

FREE BOOKLET ON ROOT CROPS ROOT CROPS

Root crops are a great necessity for all kinds of stock, and fowl too, root feeding not only gives high-class tissue-building substance to the body, but acts also as a tonic, keeping in healthy condition the digestive organs and maintaining general good health. As a body-builder, root crops should be consistently and regularly fed to all stock; where such is done, results will show not only in the healthful appearance

CARROTS FOR STOCK—Best for Horses

Carrots are very valuable for all kinds of domestic animals and best for horses. When fed alternately with oats to work-teams on the farm, the value of Carrots is equal to the Oats they displace.

MASTODON OR WHITE INTERMEDIATE. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., \$3.00.

LONG WHITE BELGIAN. Similar to Long Orange except in color. Oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., \$3.00.

GROWN FOR STOCK

THEY MAKE THEM THRIVE, FATTEN AND ENRICH THE STOCK-MAN'S PURSE

ALL STOCK THRIVE ON THESE

TURNIPS

WHITE
AND YELLOW
VARIETIES

Sow all Root Crops for stock feeding in drills, 2 feet apart, and thin out to 9 inches in the rows. It requires 5 lbs. of Mangel Seed and 4 lbs. of Turnip or Rutabaga to sow an acre with a seeder.

Single pound prices are postpaid.

PLANT
THE BEST

TABLE VARIETIES

PURPLE TOP STRAP-LEAVED

Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c; 5 lb., \$2.75 (by exp).

GOLDEN BALL or Orange Jelly. Medium size, globular table turnip. Season early. Flesh yellow, sweet.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock.

Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

TELTOW. Small in size; a German delicacy of remarkable quality.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

LARGE YELLOW, or AMBER GLOBE. Fine quality and sweet.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

TABLE RUTABAGAS

Prices of the following: Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

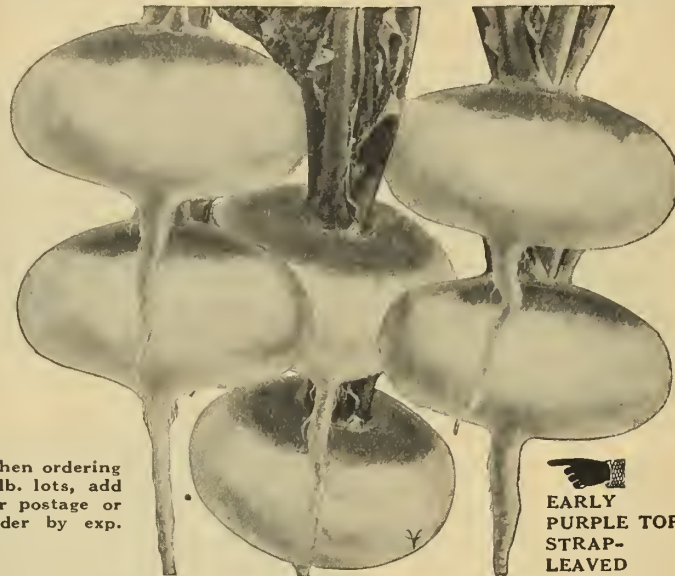
VAUGHAN'S IMPROVED. One of the best flavored of all. See description under Swedes and Rutabagas for Stock on this page.

LAING'S GARDEN RUTABAGA. Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts.

WHITE SWEDE. White, solid.

SWEET GERMAN. A fine table sort, white flesh, excellent keeper.

Those Dearborn Potatoes are wonderful. I had a fine crop last year.
DR. IRA A. MARSHALL, Ironton, Mo.



When ordering 5-lb. lots, add for postage or order by exp.

EARLY
PURPLE TOP
STRAP-
LEAVED



PURPLE TOP MILAN

WHITE FLAT
DUTCH

SWEDES AND RUTABAGAS—for Stock

A profitable and highly nutritious crop to grow for winter feed for all Farm Stock and Fowl. The smaller roots can also be used as a table vegetable, are somewhat coarser than those recommended above, but are valuable for winter storing.

VAUGHAN'S IMPROVED AMERICAN PURPLE TOP is from stock of a purple top; largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow, on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c; 5 lb., \$3.00.

MONARCH. A stock crop for early feeding, oblong shape, yellow flesh, one grain, fine flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

CARTER'S IMPERIAL. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 80c.

SKIRVING'S. Large yellow. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

BREADSTONE. Medium size, white roots. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

BANGHOLM DANISH. Yellow flesh, purple top with small neck.

Danish pedigree seed. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 85c.

SUTTON'S CHAMPION. Round, big yielder, yellow flesh. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 85c.

LARGE FIELD TURNIPS—for Stock

COW HORN or LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 80c.

Prices of the following: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

POMERANIAN WHITE GLOBE. Large, good both for table and stock.

LARGE WHITE NORFOLK. Globular, late, solid.

YELLOW ABERDEEN. Large globe-shaped table and stock variety.

I would like to take this opportunity of expressing our appreciation of the uniformly high quality of the seeds which we have received from you.

HELEN INGERSOLL, New York City.

FOR STOCK

ASK FOR IT
WHEN ORDERING

and physical fitness of the stock, but also in their profit-making increase of weight, and, in dairy animals, enriched milk. The following succession in spring will furnish succulent feed from September to April; Turnips, Rutabagas, Mangels, the latter not being in condition to use before January. Roots should be chopped or sliced and fed with other forage.

VAUGHAN'S HALF LONG DANVERS. Another broad-shoulder variety. Stump rooted and a wonderful producer. Fine for stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lb., \$3.50.

IMPROVED LONG ORANGE. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, good table variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lb., \$3.50.

LONG ORANGE BELGIAN. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lb., \$3.25.

TABLE ROOT CROPS—FOR STORING IN THE CELLAR

At no time are vegetables more needed, and incidentally more expensive, than in winter. If you have a cellar, barn or other suitable place where you can store root crops, let your garden produce them; they are easily grown and they make wholesome, delicious, nourishing food.

"Winter Storage" Collection "W 8". Eight Packets.

One each of the following for 35c:

RUTABAGAS, Vaughan's Improved

and Laing's Swede;

TURNIP, Large

Yellow and Purple

Strapleaf; CAR-

ROT, Danvers;

PARSNIP, Marrow-

fat; BEETS, De-

troit and Egyptian.

Collection No. 'W 8'

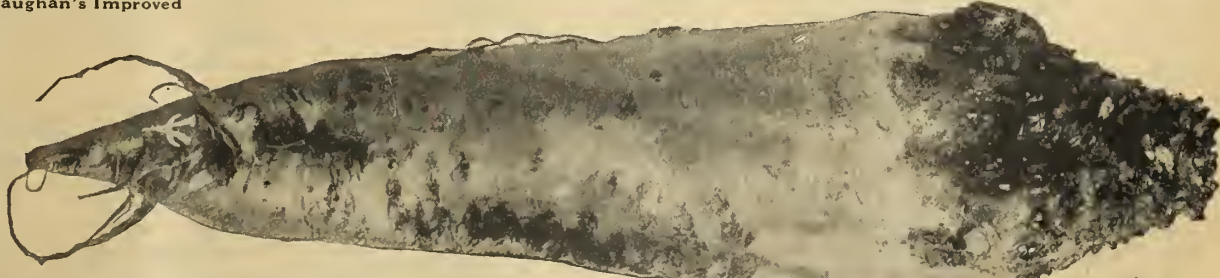
The above eight

packets, with booklet

telling how to grow

and store, 35c

postpaid,



Enriches the Milk of Dairy Stock

VAUGHAN'S MAMMOTH LONG RED MANGEL. THE ESSENCE OF NOURISHMENT FOR HOGS AND SHEEP,

Michigan-Grown Hubam Clover



Field Grown in Drills for Seed

VAUGHAN'S Seed Store has taken a part in the development of Hubam, the much discussed annual sweet clover. Prof. H. D. Hughes of the Iowa Experiment Station sent us fifty seeds of the clover, which was grown on Vaughan's Farm at Ovid, Mich. In the spring of 1921, we had accumulated from the original fifty seeds sufficient to sow 100 acres in drills, using one pound to the acre, and cultivating between the rows in the early stages of growth. The seed which we now offer is the harvest of this crop, and can trace its pedigree straight back to the original plants discovered by Prof. Hughes.

Hubam Sown with Oats

The pictures accompanying this article show the 1921 crop at our Ovid farms. In the center and lower picture is shown a field in which the clover was sown with oats. The field was harrowed with a disk harrow after the oats were harvested, and the clover at once responded with new growth, which attained the height shown in the picture by September and produced a substantial yield of seed. The harrowing operation in our field is believed to have been very efficacious in stimulating the second growth of the clover.

Upon examining the roots of plants in this field, they were found to be exceptionally large for the height of the growth, as might be expected, since the root development had proceeded without



Field Grown with Oats

sown as a catch hay crop by itself and as a soil improver sown with oats and barley. It is an excellent drouth-resister.

Sweet Clover for Bees

Hubam has been hailed by bee experts as a treasure for the bee-keeper. Sweet clover blossoms have long been recognized as one of the important sources of honey, being in many localities responsible for the big flow of the season. Hubam annual sweet clover is, if anything, superior to the biennial type in producing quantities of nectar-bearing blossoms, and this in the first year from seeding.

Quantities Needed for Seeding.

We recommend that for seed production Hubam seed be drilled in at the rate of at least 3 pounds to the acre, and where it is broadcasted, 10 to 12 pounds per acre should be used.

Prices, pkt., 15c; oz., 25c; lb., \$2.00. The pound price includes innoculating material sufficient for this quantity of seed. Write for price in quantity. Ask for our leaflet on Hubam Clover.

VAUGHAN'S TREE SEEDS

Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One pound lots and less include postage; write for prices on large lots.

	Pkt.	Oz.	¼ lb.	Lb.	10 lb.
Apple	\$.10	\$.30	\$.85	\$3.00	.....
Arbor Vitae, American	.10	.40	1.25	4.50	.....
Birch, White	.10	.20	.60	2.25	.....
Box Elder	.10	.15	.40	1.20	\$10.00
Catalpa Speciosa	.10	.20	.60	2.00	.....
Locust Honey	.10	.15	.40	1.10	.....
Locust, Black or Yellow	.10	.15	.40	1.10	.....
Maple, Oregon Mammoth	.10	.20	.50	1.75	.....
Mulberry, Russian	.10	.35	1.10	4.00	.....
Osage Orange	.05	.15	.45	1.50	.....
Pear, French	.10	.30	.85	3.00	.....
Pine, Scotch	.10	.30	.85	3.00	.....
Spruce, Norway	.10	.30	.85	3.00	.....

TOBACCO SEED

Packet, any of the following, each, 10c
Per Oz. ¼ lb. Lb.

Comstock's Spanish. Wisconsin Favorite	\$0.50	\$1.75	\$6.50
Primus. Yields big crops, fine quality	.50	1.65	6.00
Harby. Turkish, stands heat, drought	.50	1.65	6.00
Brazilian-American. Brazilian strain	.50	1.65	6.00
Big Havana. A hybrid Havana	.50	1.75	6.50
General Grant. Leaves 44 inches long, matures crop early. Ideal for cigars	.50	1.65	6.00
Connecticut Seed Leaf. Best adapted to climate of Middle and Northern States	.50	1.75	6.50
Big Oronoko. Has no equal for strips and dark wrappers	.50	1.65	6.00
White Burley. The popular Kentucky sort	.50	1.75	6.50

Not only can you raise your own tobacco, but you can grow your own pipes. Sow a few seeds of Calabash Pipe Gourd. See No. 1489 on page 79.

PEANUTS

Spanish—Earliest variety, solid and well filled. Sown in rows 3 feet apart, 8 to 10 inches in the row.
Pkt., 10c; lb., 30c; 5 lbs., \$1.20; 10 lbs., \$2.00.
Mammoth Virginia, later than Spanish with large pods and kernels.
Pkt., 10c; lb., 30c; 5 lbs., \$1.20; 10 lbs., \$2.00.

BIRD SEED

Vaughan's Re-cleaned of Highest Quality

The health of your birds depends as much on the quality of their food as on their general care.

Clean, fresh bird seed is essential. Vaughan's bird seed can always be depended on. It is of the highest grade, carefully re-cleaned and always fresh.

You can feed it to your birds with absolute confidence that you are giving them the best obtainable.

Beware of cheap package bird food. Feed them Vaughan's and be sure.

BLUE MAW (Poppy). Per lb., 30c; 5 lbs., \$1.00.

CANARY SEED. Lb., 15c; 5 lbs., 50c; 10 lbs., 90c.

CUTTLEFISH BONE. Per lb., \$1.10.

HEMP. Per lb., 15c; 5 lbs., 50c; 10 lbs., 90c.

LETTUCE SEED FOR BIRDS. Per ¼ lb., 10c; lb., 25c; 5 lbs., \$1.00.

MILLET, Fancy Re-cleaned. Per lb., 12c; 10 lbs., 50c.

BIRD RAPE. (Not Dwarf Essex). Per lb., 18c; 5 lbs., 60c; 10 lbs., \$1.00.

SUNFLOWER SEED, extra clean for birds. Lb., 15c; 5 lbs., 50c; 10 lbs., 90c.

MATERIALS FOR BASKET WORK



On all following Basketry materials add postage to your order if to go by parcel post.

RAFFIA FIBRE FOR BASKETS, ETC.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Colored, bunch (1 oz.).....	\$0.10	Mixed Colors, bunch (2 ozs.)....	\$0.10
Colored, per lb.....	1.00	Mixed, per lb.....	.80
Natural Color, Best Grade.....		2 oz. bunch, 10c; 1 lb. .50	
Needles, for Raffia Work.....		per package	.25

REEDS (RATTAN)

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

Sample card mailed upon request.

	Bunch	½ Lb.	Lb.
No. 1.....	\$0.15	\$0.65	\$1.25
No. 2.....	.15	.60	1.15
No. 3.....	.15	.55	1.05
No. 4.....	.15	.53	1.00
No. 5.....	.15	.50	.95
No. 6.....	.15	.50	.95
No. 7.....	.15	.48	.90
Flat Reed, ¾-inch.....	.15	.50	.90
Split Reed, No. 6.....	.15	.50	.90

By parcels post, postage extra.

BASKET BOOKS, Postpaid

Basket Making. Morse. Paper, 32 pages, illustrated. For beginners....	\$0.50
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated.....	1.50
Raffia and Reed Weaving. Knapp. Cloth. 132 pages, illustrated.....	.80
More Baskets and How to Make Them. White. 157 pages.....	1.50

FARM BOOKS

Alfalfa by F.D.Coburn. Illustrated; cloth; 164 pages.....	\$0.90
The Book of Alfalfa. F. D. Coburn. The new revised edition, containing 324 pages, fully illustrated.....	3.00
Farm and Garden Rule Book by Bailey; cloth, 587 pages.....	3.25
Irrigation for the Farm, Garden and Orchard by Stewart.....	1.65

Prices include postage

Gardening

Conducted by Practical Gardeners. Issued twice a month. Price, \$2.00 per year. Send us your subscription. The best paper for Amateur and Professional Gardeners.

You do not praise these exquisite flowers half enough in your catalogue. I have had two packets of Aquilegia, Mrs. Scott Elliott's long spurred Hybrids, and have some of the most wonderful blooms I have ever seen I have never found even one short spurred bloom among them.

MRS. H. M. WOODWARD, Rockford, Illinois.

BOOKS

Prices quoted below include postage, and are subject to change without notice.

Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages....	\$0.90
Asparagus Culture. Barnes & Robinson.....	.80
Back Yard Farmer, The. B. J. Willard Bolte. Cloth.....	1.25
Berry Book, The Biggle. Cloth; 126 pages.....	.55
Bulbs and Tuberous Rooted Plants. Allen. Cloth.....	2.10
Cabbage and Cauliflower. By Allen. Cloth.....	.90
Carnation Culture. L. L. Lamborn. Cloth; 175 pages.....	1.60
Carrots and Mangels. Gregory. Paper.....	.40
Celery Manual. Vaughan's. Paper.....	.50
Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages.....	.90
Commercial Carnation Culture, J. H. Dick. Illustrated. 260 pages.....	1.80
Cook Book. Vaughan's Vegetable. Paper, 30c; cloth.....	.60
Farm and Garden Rule-Book. Bailey. Very useful for fruit growers, truck gardeners, farmers, florists, etc. Cloth; 587 pages.....	3.25
Fertilizers. By Prof. E. B. Vorhees. Cloth; 335 pages.....	2.50
Fertilizers. Gregory. Paper.....	.65
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Forcing Book, The. By Prof. Bailey. A manual of the cultivation of vegetables in glass houses. 86 illustrations. Cloth; 266 pages.....	2.50
Fumigation Methods. Prof. Johnson. Illustrated. Cloth; 309 pages.....	1.75
Fruit Garden. Barry's. Cloth; 505 pages.....	2.25
Fruit Growing, The Principles of. L. H. Bailey. Cloth; 514 pages.....	3.25
Fruit Growing, Amateur. (Small Fruits.) A practical guide for home use and market..... Cloth, 80c; paper, .50	
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Gardening for Profit. Henderson. Latest edition. Cloth; 369 pages.....	2.10
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Ginseng, Its Cultivation, Harvesting, Marketing. Cloth; 40 pages.....	.95
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Greenhouse Construction. L. R. Taft. Illustrated. Cloth; 208 pages.....	2.35
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Insects and Insecticides. By C. M. Weed. Illustrated. 334 pages.....	1.80
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Landscape Gardening, Practical. By Cridland. Illustrated. Cloth; 276 pages.....	2.50
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Aside from those books offered on various pages of this catalogue, we carry a line of gardening, farm and poultry books by the best writers. We can supply them, postpaid, at publisher's prices.

Garden Guide

2 Books You Should Buy

This book (4th edition) contains 384 pages and has over 275 instructive illustrations. Covers every step from spading the ground to preserving the harvest. Price.....\$1.60

The Book of Gladiolus

Complete and authoritative work on this most popular flower; clear and concise. Written by Matthew Crawford and Dr. W. Van Fleet. Fully illustrated. 120 pages. Cloth.....\$1.50

Color Schemes with Annuals

COLOR is the soul of the garden. Without it there may be beauty of form but not joyous, enchanting life. The wise gardener seeks color wherever its best expressions may be found, and his search leads directly to the modern annuals.

Annuals are flowers that spring up from seed, blossom, produce seed and die in one year. Some may have the idea they are more trouble than perennials, which last over winter. They are not. They have distinct advantages over perennials in their small cost, a longer season of bloom and their peculiar suitability for use by tenants who desire to beautify rented grounds without making a permanent investment.

But annuals and perennials both are essential to a complete garden and a choice should be made among them without prejudice if one's garden opportunities are to be developed reasonably.

Why Have Color Schemes?

THE beauty of garden flowers may be multiplied by care in selection and arrangement. Gardeners, sometimes slowly, are forced to recognize that masses of a single color are much finer in general effect, and give a much truer idea of the possibilities of a plant, than the same space planted to a mixture of different colors, each rivaling the other, so that the eye is overwhelmed and the impression is confused.

And when he accepts the principle that a single color in mass is most effective, the next step brings one to the true art of planting, the proper arrangement and juxtaposition of his masses of color with consideration of harmony and pleasing contrasts.

In planting a flower garden, he is painting nature's canvas with nature's pigments. The resulting picture is good, bad, or indifferent according to the skill and thought employed in designing the garden. Every planting, however small, should be thought out in advance with an eye to the effect that the colors will produce.

The accompanying color scheme plans on this and succeeding pages are suggestive of possibilities in arranging masses of annuals, in solid colors, in a border so that pleasing harmony or contrast is obtained in

the whole. There is no hard and fast method, no rule of thumb, no dogma of color to be followed other than the taste of the gardener himself. A color scheme that appears beautiful to one may offend the taste of another. A garden is an expression of individuality and these plans are not offered as the very best or the only ones to be employed, but are merely offered as suggestions.

In general, blues, if not too dark or of too purplish a cast, and the softer yellows make pleasing companions. Pinks and lavenders of various shades form combinations which rarely fail to please. Scarlets and yellows, taking a lesson from some of our midsummer wild flowers,

give a gorgeous effect. Various shades of yellow and orange grading from light to the more intense shades, associations of lavender and purples, light and dark blues with an occasional pink or yellow planting interspersed by way of contrast, give fine garden pictures.

It is one of the most fascinating phases of gardening to work out color effects and it relieves the garden of monotony, for new effects may be tried each season.

But in the study of color plans which often are carried to exaggerated lengths to the injury of the garden, the main ideas always to be borne in mind are culture, soil, and the habits of growth of the plant.

Nursing the Baby Plants

SELECTING the seed is merely a question of picking out favorites. Then comes the sowing. Right here is where the first mistake is too often made, and there is frequently great waste. Many annuals may be sown in the house or hot bed as early as February to secure the best development and the greatest results or to get a longer season of bloom. March is the ideal month for an early start.

Prepare the soil carefully, pulverize it, sift it and see that it is good rich soil. Too often any old soil is dumped into a box, "just to get them started."

Sow the seed thinly. Too many plants are smothered by being planted as "thick as the hair on a dog." If the seeds are very fine and difficult to distribute, mix them with twice their bulk of fine sand and then strew them on the surface of the seed bed or box and merely press them into the soil. Sow in rows except for very fine seed and give at least half an inch of space between the rows.

Cover each seed three times its thickness. It is easier to plant too lightly than too deeply in ordinary seed sowing.

Give the seed box or bed ample drainage and until the plants have taken firm hold and developed at least two pairs of true leaves following the tiny seed leaves, it is wise to water by dipping the box into another vessel and letting the water soak from the bottom up. Thousands of tiny plants are washed to their death by careless splashing of water.

A TROPICAL CORNER PLANTING OF VERY QUICK GROWTH

SPECIAL OFFER NO. 148. One packet each of (1) Ricinus Zanzibariensis (Castor Bean) (2) Cleome Pungens (Spider Wort, rose color), and (3), Nicotiana Affinis (White Flowered Tobacco Plant), sufficient to plant the fragrant and beautiful tropical corner diagrammed will be sent postpaid for 15c. This planting was used in a Chicago garden to screen a neighbor's chicken house and accomplished this object with great success. The Nicotiana Affinis is one of the most fragrant of flowers.

BORDER OF CALIFORNIA POPPIES AND AGERATUM

SPECIAL OFFER NO. 248. One packet each of Golden West, Mikado, Mandarin, California and Dainty Queen Escholtzia (California Poppy) and 1/2-oz. of Ageratum Imperial Dwarf Blue, sufficient to plant the beautiful color scheme border diagrammed will be sent postpaid for 40c.

COLOR SCHEME BORDER OF MARIGOLDS

SPECIAL OFFER NO. 348. One packet each of Lemon Queen and Orange Queen, Double Tall African Marigolds; 2 packets of Double Tall French mixed, and 2 packets of Dwarf French Double Marigolds, sufficient to plant border as diagrammed, will be sent postpaid for 30c.

ANNUAL LARKSPUR (DELPHINIUM) BORDER

SPECIAL OFFER NO. 448. One packet each of Deep Lavender, Lustrous Carmine, Sky Blue, White and Dark Blue Annual Delphinium seed sufficient to plant the beautiful color scheme border diagrammed, sent postpaid, 40c



Annuals

ON the following pages will be found our complete list of annual flower seeds. Perennial flower seeds will be found on Pages 76 to 87 inclusive. For the sake of accuracy, flower seeds and plants are listed under their botanical names. The popular names, where these are well known, are given in parentheses. So much confusion exists in the use of popular names that no other course is possible without inviting endless mistakes. The family name of each flower is printed in bold capitals, underscored, and beneath it, in smaller bold type, are listed the different varieties. This makes it very easy to find any variety desired.

Our Special Mixtures deserve particular attention. They are not composed of seed harvested from rogued plants or from plantings in mixed fields, but are made up by us from seed of named varieties. Thus a Special Mixture will contain specimens of the finest named varieties in a family.

At the same time the gardener will find his pleasure much increased if he buys named varieties of his favorite flowers, and plants them so he can identify the blossoms and recognize them when he encounters them elsewhere. In this list, we confidently believe, will be found all the finest varieties of annual flowers now available to American gardeners.

To distinguish with greater exactness the class to which belongs each of the flowers which we grow as annuals, the following symbols have been employed:

Key to Symbols

- Annuals. These attain full growth from seed, flower and die first year.
- ≠ Biennials. These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.

- ÷ Greenhouse Plants. Start inside and cultivate in pots, or else, transplant outside when danger of frost is over.
- + Stove Plants. To be grown inside all the year round for pots only.
- Climbing Plants.

ABRONIA

- 55 *Umbellata Grandiflora* (Sand Verbena) □ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright, rose with white center; it delights in a dry, poor soil and sunny situations on rockwork. Pkt., 10c.

ABRUS

- 58 *Precatorius* (Crab's Eye Vine or Weather Plant) ÷ = 12 ft. This beautiful plant has created a great sensation. If the leaves stand upward the sky will be cloudless; if they stand out straight, changeable weather is indicated; when the leaves hang straight downward, water may be expected to fall in torrents. A local storm is indicated by the curling together of the leaves. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making beads, etc. Seeds should be soaked in lukewarm water before planting. Oz., 75c. Pkt., 10c.

ABUTILON

- 62 *Royal Prize* (Flowering Maple or Chinese Bell Flower) ÷ 3 to 4 ft. As indispensable for the window or greenhouse as the *Petunia* is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 15c.

ACROCLINIUM

- 92 *Roseum* □ 2 ft. A pretty Everlasting, bearing graceful, daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state can be dried and used for winter bouquets. ¼ oz., 20c. Pkt., 5c.
- 93 *Roseum Flore Albo*. Graceful white, daisy-like flowers with yellow center. ¼ oz., 20c. Pkt., 5c.
- 94 *Roseum Flore Pleno*. Double pink. Pkt., 10c.
- 95 *Roseum Flore Albo Pleno*. Double white. Pkt., 10c.
- 96 *Roseum Single Mixed*. Pkt., 5c.
- 97 *Roseum Double Mixed*. Pkt., 10c.

AGAPANTHUS

- 110 *Umbellatus* ÷ 1 ft. Bright blue flowers produced in clusters on long stems. Water freely. Pkt., 15c.

AGERATUM □

One of the best summer blooming plants grown from seed. They are rapid growers early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

- 112 *Mexicanum Coeruleum*. 18 in. Beautiful soft lavender-blue, of free branching habit. ¼ oz., 10c. Pkt., 5c.
- 113 — *Album*. White. ¼ oz., 10c. Pkt., 5c.
- 114 — *Mixed*. ¼ oz., 10c. Pkt., 5c.
- 115 — *Nanum, Blue Perfection*. 9 in. The darkest *Ageratum* grown from seed. Pkt., 10c.



Ageratum

The illustrations in color in this section are reproductions of water-color paintings by Charles H. Workman.

Ageratum—Continued.

- 116 — *Nanum Luteum*. 9 in. Dwarf yellow. Pkt., 10c.
- 117 — *Imperial Dwarf Blue*. 6 in. A charming variety, of fine, compact growth, covered with heads of feathery flowers of a deep lavender color. ¼ oz., 15c. Pkt., 5c.
- 118 — *Imperial White*. Pkt., 10c.
- 119 — *Little Blue Star*. 4 to 5 in. Miniature bushes covered with clusters of flowers opening light blue with purple center and develop to a bright blue self. Pkt., 15c.
- 128 — *Princess Victoria Louise*. 6 in. Bushy plants covered with sky blue flowers with white centers. ¼ oz., 20c. Pkt., 10c.
- 129 *Lasseauxii*. 3 ft. Clusters of handsome rose colored flowers. Pkt., 10c.

AGROSTEMMA

- 135 *Coeli* (Rose of Heaven) □ 1 ft. Remarkably pretty, hardy annual of light, graceful habit; flowers like rose, shaded white. This is an annual which should be sown in the vegetable garden (as you would radishes) at different intervals, and a continuous supply of lovely cut flowers can be had all summer. ½ oz., 25c. Pkt., 10c.

AGROSTIS

- 136 *Nebulosa* (Cloud Grass) □ 1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt., 10c.

ALONSOA

- 150 *Warscewiczii* □ 15 in. A fine plant with bright vermilion-scarlet flowers, suitable for bedding. For a red, white and blue border plant *Alonsoa* for red, *Sweet Alyssum* for white and *Ageratum Blue Perfection* for blue. ¼ oz., 15c. Pkt., 10c.

Annuals for Cutting

- | | |
|-----------------------|-----------------|
| Asters | Zinnias |
| Snapdragons | Sweet Sultan |
| Marigolds | Mignonette |
| Bachelor Buttons | Calliopsis |
| Annual Chrysanthemums | Ten-Week Stocks |
| Annual Larkspurs | Clarkia |
| Cosmos | California |
| Gaillardias | Poppy |
| Nasturtiums | Tall French |
| Sweet Peas | Marigold |
| Seabiosa | |

This list has been selected because of the long stems and keeping quality of the flowers. It is by no means complete, but merely suggestive.

Antirrhinum (Snapdragon)



Antirrhinum (Snapdragon)

ALYSSUM

- 159 **Benthami Maritimum** (Sweet Alyssum). This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. Flowers white and honey scented. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. \$2.25, ¼ lb. 60c, 2 oz. 40c, 1 oz. 25c, ½ oz. 15c, pkt. 5c.
- 160 **Vaughan's Little Gem, Snow-white Carpet Plant**. The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms they create the impression of a beautiful snow-white carpet. Our strain of this is unquestionably the best in the world, one plant like another, absolutely perfect. 1 oz. 80c, ½ oz. 40c, ¼ oz. 25c, pkt. 10c.
- 161 **Compactum Lilacinum, Lilac Carpet Plant**. Distinct variety with delicate lavender flowers. Very dwarf. Pkt., 10c.

AMARANTHUS

- Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming.
- 170 **Atro-purpureus**. 4 ft. Beautiful, dark purple flowers. Pkt. 5c.
 - 171 **Caudatus** (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt. 10c.
 - 172 **Cruentus** (Prince's Feather). 3 ft. Dark red feathery flowers. ¼ oz. 25c, pkt. 10c.
 - 173 **Salicifolius** (Fountain Plant). 3 ft. Willow leaved. Graceful red and yellow foliage of drooping habit. Pkt. 10c.
 - 175 **Tricolor** (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. ¼ oz. 15c, pkt. 5c.
 - 176 **Tricolor Splendens**. Flowers exceedingly bright. ¼ oz. 25c, pkt. 10c.
 - 180 **Fine Mixed**. Many others. oz. 25c, pkt. 5c.
 - 181 **Vaughan's Special Mixture**. A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 10c.



For gorgeous coloring few flowers can match Snapdragons. The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering 24 to 36 inches

- 241 **Queen Victoria**. White shaded cream, with lemon-colored lip.
 - 242 **Golden King**. Yellow.
 - 243 **Lovely**. Delicate rose with pink lip.
 - 244 **Delicata**. Delicate rose, with white throat.
 - 245 **Rose Queen**. Brilliant rose pink.
 - 246 **Apple Blossom**. A charming pink shade on a white ground, with a white throat.
 - 247 **Coral Red**. Dark rose.
 - 248 **Delilla**. Carmine and yellow, with white throat.
 - 249 **Brilliant Scarlet**.
 - 250 **Butterfly**. Striped.
 - 252 **Maximum**. Purple King.
 - 253 **Garnet**.
- Any of above pkt. 10c, any 3 for 25c, each ¼ oz. 25c.
- 254 **Majus Grandiflorum Mixed**. ¼ oz. 20c, pkt. 10c.

Semi-Tall Sorts 18 to 20 inches

- Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.
- 255 **Amber Queen**. Canary yellow overlaid chamois pink, gold lip.
 - 256 **Bonfire**. Orange or flame color. It has the tints of firelight.
 - 257 **Black Prince**. Dark crimson.
 - 258 **Aurora**. Cinnabar scarlet, with white throat.
- Any of above, pkt., 10c, any 3 pkts. for 25c.

AMMOBIUM

- 194 **Alatum Grandiflorum** 2½ ft. This pretty white Everlasting should be in every garden. Grows also in sandy soil. ½ oz. 25c, pkt. 10c.

ANAGALLIS

- 200 **Grandiflora Mixed** 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots. ¼ oz. 25c, pkt. 10c.



Alyssum—Vaughan's Little Gem

Semi-Tall Sorts—Continued.

- 259 **Diana**. Rose pink, with white throat.
 - 260 **Crimson Queen**.
 - 260a **Firebrand**. Fiery orange scarlet.
 - 261 **Golden Queen**. Rich yellow.
 - 262 **Grenadier**. Vivid orange, white throat, yellow lip.
 - 263 **Canary Bird**. A beautiful shade of light lemon yellow.
 - 264 **Queen of the North**. Regular bushes covered with large white flowers.
 - 264a **Mauve Queen**. Rosy mauve.
 - 264b **Rose Dore**. A pretty self-salmon rose, shaded gold.
 - 264c **The Fawn**. A delightful blend of terracotta pink and pale yellow, soft and pleasing.
- Any of above, pkt. 10c, any 3 pkts. for 25c.
- 265 **Silver Pink**. Delicate rose pink, seemingly covered with a silver sheen. ¼ oz. 40c, pkt. 15c.
 - 266 **Semi-Tall Sorts Mixed**. ¼ oz. 20c, pkt. 5c.
 - 270 **Vaughan's Special Mixture of Snapdragons**. Includes all these and many other charming varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers suitable for home, church or hospital decoration. 1 oz. \$1.25, ¼ oz. 40c, ½ oz. 25c, pkt. 15c.



Tom Thumb Varieties 8 inches

- These Snapdragons grow about 8 inches in height, are splendidly suited for edgings and pot plants.
- 271 **Pink**. Pkt. 10c.
 - 272 **Snow Queen**. Splendid for pots and edging. Beautiful white flowers all summer. ¾ oz. 25c, pkt. 10c.
 - 273 **Fireball**. The color is the most dazzling scarlet. Pkt. 10c.
 - 274 **Tom Thumb Mixed**. ¾ oz. 15c, pkt. 5c.

ANCHUSA

- 201 **Capensis** (Summer Forget-me-not). 2 ft. A hardy annual of more than ordinary beauty. It grows about two feet high, branching freely and bearing a profusion of the most lovely flowers similar in all respects to the Forget-me-not, though the blossoms are much larger and of finer color. It is always taken for a beautiful large flowering Forget-me-not, and for bouquets and cut flowers it is indeed superior to it. It blooms early and continues all summer. Pkt. 10c.

ANTIGONON

- 240 **Leptopus** (Mexican Mountain Rose) = Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink. Pkt. 10c.

ARCTOTIS GRANDIS (African Daisy)

- 355 **A** remarkably handsome annual from Southwest Africa. It forms much branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac-blue. It is easily grown from seed, and may be started in hotbed, in the house or in the open ground, the seed germinating in about five days, and the plants may be expected to come into bloom early in July and continue until quite hard frost. It delights in a sunny situation. As a cut flower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window every one will open and produce a fine flower as though left on the plant. ¼ oz. 40c, pkt. 10c.

ARGEMONE

- 356 **Grandiflora** (The Prickly Poppy) 2 ft. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Pkt. 10c.

Color Scheme Border of Semi-Tall Snapdragons Two Combinations



Collection A 50. One packet each of Queen of the North, Canary Bird, Golden Queen, Amber Queen and Rose Dore, **Semi-Tall** Snapdragons, sufficient to plant "A" arrangement of border as diagrammed. Sent postpaid for 40c.

Collection B 50. One packet each of Diana, Grenadier, Firebrand, Aurora and Bonfire, **Semi-Tall** Snapdragons sufficient to plant "B" arrangement of border as diagrammed. Sent postpaid for 40c.

ARTEMISIA

357 *Sacrorum Viridis* (Summer Fir) □ Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich, dark green color. Pkt. 15c.

ASPARAGUS

384 *Plumosus Nanus* (Lace Fern) + 3 ft. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 10 seeds, pkt. 15c.

386 *Sprengeri* (Emerald Feather) + A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 10 seeds, pkt. 15c.

ASPERULA

389 *Azorea Setosa* □ 1 ft. Pretty, sweet scented annual, with light blue flowers. ¼ oz. 10c, pkt. 5c.

BABY BREATH—See *Gypsophila*

BALLOON VINE

660 *Love in a Puff* □ =. A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-buds resembling miniature balloons. The effect is most odd and curious. It is in every way a very attractive vine. Oz. 30c, pkt. 5c.

BALSAM (Apple)

661 *Apple* □ = 10 ft. A very ornamental and quick growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior. Oz. 40c, pkt. 10c.

662 *Pear*. Like above, only the fruit is pear-shaped. Oz. 40c, pkt. 10c.

663 *Apple and Pear Mixed*. Oz. 40c, pkt. 10c.

DOUBLE BALSAM (Lady Slipper)

1½ to 2 ft.

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion. Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

675 *Alba Perfecta*. Pure white.

676 *Lemon Yellow*.

677 *Flesh Pink*.

678 *The Queen*. Pale rose.

679 *Prince Bismarck*. Salmon pink.

680 *Crimson*.

681 *Crimson Spotted*.

682 *The King*. Brilliant scarlet.

683 *Atrosanguinea Plena*. Flowers and leaves red.

684 *Solferino*. Striped lilac, white and scarlet.

685 *Lilac*.

686 *Dark Blue*.

Each of the above, ¼ oz. 20c, pkt. 10c.



Balloon Vine

Double Balsam—Continued.

689 *Double Rose and Camellia-flowered Mixed*. ½ oz. 25c, pkt. 10c.

690 *Vaughan's Invincible Balsams Mixed*. Mixed from separate colors and includes everything that is desirable in Balsams. ¼ oz. 35c, pkt. 15c.

691 *Dwarf Balsams Mixed*. 8 in. perfect little bushes with double and semi-double flowers. The colors are pretty and pleasing. ¼ oz. 25c, pkt. 5c.

692 *Goliath White*. 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. ¼ oz. 30c, pkt. 10c.

693 *Goliath Scarlet*. Extremely brilliant, large and very double. ¼ oz. 30c, pkt. 10c.

695 *Giant Chamois Rose*. A most pleasing color; new. Pkt. 15c.



American Legion Collection

VAUGHAN'S BALSAMS

One (10-cent) packet each
Red, White and Blue

Prepaid for..... 20c

BARTONIA

696 *Aurea* □ 12 in. One of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Sow in the open ground early in May. Blooms through summer and fall. ½ oz. 25c, pkt. 10c.

BEGONIA SEMPERFLORENS

Ever-Blooming Bedding Varieties

A continuous flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make valuable decorative plants for the house during winter. While care must be taken in the germination of the tiny seeds at first it amply repays one as it is one of the few plants which can survive in a steam or furnace heated house.

700 *Erfordia*. A pretty variety, densely covered with handsome flowers of a delicate rose color. Pkt. 20c.

701 *Gracilis Luminosa*. Large, bright scarlet flowers. Pkt. 25c.

702 *Gracilis Prima Donna*. 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant, clear pink, shading to carmine rose. Pkt. 25c.

704 *Semperflorens Atro-purpurea* *Vernon*. Bright orange carmine flowers, deep red foliage. Pkt. 10c.

705 *Semperflorens Mixed*. Pkt. 10c.

706 *Melanie* + The color is white, beautifully edged with pink. Pkt. 25c.

Tuberous-rooted Varieties

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias offered. For greenhouses decoration and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

707 *Single Tuberous-Rooted Mixed*. Saved from finest exhibition varieties, all having large, well-formed flowers of many brilliant shades of color. Pkt. 35c.

708 *Double Tuberous-Rooted Mixed*. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Very striking. Pkt. 50c.

709 *Frilled Tuberous-Rooted*. Seed saved from selected, best frilled flowers. Pkt. 35c.

BELLIS PERENNIS FL. PL. #

English Daisy 6 to 8 inches

A low growing spring flowering plant. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed.

720 *Snowball*. Double pure white. ¼ oz. 50c, pkt. 10c.

721 *Longfellow*. Double dark pink. ¼ oz. 50c, pkt. 10c.



Balsam

Bellis Perennis—Continued.

722 *Double Choice Mixture*. ¼ oz. 40c. pkt. 10c.

723 *Mammoth White*. Larger than Snowball. Pkt. 15c.

724 *Mammoth Pink*. Larger than Longfellow. Pkt. 15c.

725 *Mammoth Mixed*. Pkt. 15c.

728 *Red, Double*. Pkt. 20c.

729 *Rosy White, Double*. Frilled. Pkt. 20c.

BIRD OF PARADISE.—See *Poinciana*.

BRACHYCOME (Swan River Daisy) □

12 inches

A free-flowering, dwarf-growing annual; covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edgings, small beds or pot culture.

737 *White*. 739 *Blue*. 740 *Mixed*. Each of the above, ¼ oz. 20c, pkt. 5c.

BRIZA

744 *Maxima (Quaking Grass)* □ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion. Pkt. 10c.

BURNING BUSH—See *Kochia*

BROWALLIA □ 1 ft.

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

745 *Speciosa Major*. A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. Pkt., 15c.

746 *Elata Mixed*. Blue and white. Pkt., 10c.

BRYONOPSIS

748 *Laciniosa* □ = 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet striped white. Pkt., 10c.

CACALIA □ 2 ft.

Each flower is a miniature paint brush of orange scarlet produced on long wiry stems which make it an excellent cut-flower. An old but little known annual for the border worth trying.

750 *Tassel Flower or Flora's Paint Brush*. ½ oz., 20c; pkt., 10c.

CALANDRINIA

751 *Grandiflora*. Handsome, hardy annual; fleshy leaves and bright rose-colored flowers; especially suitable for sunny situations. Pkt., 10c.

752 *Umbellata*. Hardy perennial of trailing habit, producing brilliant crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. Pkt., 10c.



Vaughan's Giant Branching Asters

Semi-Tall Section 11 in. to 16 in.

Daybreak (Improved American Victoria)

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

- 410 Purity. Pure white.
- 412 Salmon. 414 Blue.
- 413 Rose. 415 Lavender.
- Each of the above, 1/8 oz. 30c, pkt. 10c.
- 416 Mixed, all colors. 1/8 oz. 25c, pkt. 10c.

Giant Comet

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

- 431 White.
- 433 Queen of Spain. Soft yellow, turning to flesh.
- 435 Rose. 439 Shell Pink.
- 436 Purple. 440 Lavender.
- 437 Crimson. 441 Dark Blue.
- 438 Light Blue.
- Each of the above, 1/8 oz. 40c, 1/8 oz. 25c, pkt. 10c.
- 442 Mixed, all colors. 1/8 oz. 35c, 1/8 oz. 20c, pkt. 10c.

The Mikado

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fluffiest aster we have ever seen.

- 480 White. 1/8 oz. 25c, pkt. 10c.
- 481 Pink Rochester. Exquisite shade of shell-pink. The official flower of the city of Rochester. 1/8 oz. 30c, pkt. 10c.

Vaughan's Excelsior Mixture of Dwarf Asters

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required, we recommend planting our **Excelsior Mixture**. It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture, insuring satisfaction to the grower. 1/8 oz., 50c; large pkt., 25c; pkt., 15c.



Vaughan's

During the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers. Our Asters are, with few exceptions, American grown. The culture of these glorious summer

Semi-Tall Section—Continued.

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

- 485 White. 490 Light Blue.
- 486 Flesh. 491 Lavender.
- 487 Pink. 492 Purple.
- 488 Crimson. 493 Dark Blue.
- 489 Scarlet.

Each of the above, 1/8 oz. 30c, pkt. 10c.
494 Mixed, all colors. 1/8 oz. 25c, pkt. 10c.

Tall Section 16 inches and up

Giant Crego

The most beautiful of the newer types of American Branching Asters. They unite the elegant grace of the European Comet with the robust vigor and long stems of the American branching varieties. The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The petals of the refined and beautiful flowers are most attractively curled and twisted, resembling choice Japanese Chrysanthemums. The plants are of strong branching growth and usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

- 515 White. 520 Lavender.
- 516 Shell Pink. 521 Dark Blue.
- 517 Rose Pink. 522 Purple.
- 518 Crimson.

Each of the above, 1/8 oz. 30c, pkt. 10c.
523 Mixed, all colors. 1/8 oz. 25c, pkt. 10c.

Crown

Large flowered variety, each bloom of which has a clear white center. It is wonderfully attractive.

- 530 Mixed, all colors. 1/8 oz. 35c, pkt. 10c.

Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

- 540 White. 546 Mid Blue.
- 541 Peachblossom. 547 Lavender.
- 542 Flesh Pink. 547a Dark Violet.
- 543 Rose Pink. 548 Purple.
- 545 Crimson.

Each of the above, oz., \$1.50; 1/8 oz., 25c; pkt., 10c.
549 Mixed, all colors. Oz., \$1.20; 1/8 oz., 20c; pkt., 10c.

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

- 563 White. 568 Crimson.
- 565 Soft Pink. 569 Silvery Lilac.
- 566 Lavender. 569a Light Blue.
- 567 Rose. 570 Dark Blue.

Each of the above, 1/8 oz., 30c; pkt., 10c.
571 Mixed, all colors. 1/8 oz., 25c; pkt., 10c.
572 Early Flowering Giant Ostrich Feather, White. Pkt., 10c.
573 Early Flowering Giant Ostrich Feather, Rose. Pkt., 10c.

Dwarf Section Up to 10 inches

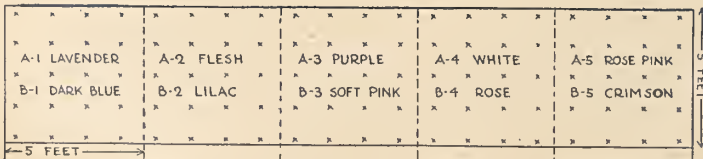
- 401 Vaughan's Snowball. The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster. 1/8 oz. 40c, pkt. 15c.
- 402 Vaughan's Fireball. The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots. 1/8 oz. 40c, pkt. 15c.
- 403 Dwarf Comet. Mixed, all colors. Handsome and very distinct, resembling the Japanese Chrysanthemum in shape and flowers. The petals are very long and beautifully curled. Pkt. 10c.
- 404 Boltze's Dwarf Bouquet. Mixed, all colors. Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. The flowers are the most distinct and delicate shade. Pkt. 10c.
- 406 Dwarf Chrysanthemum Flowered. All colors, mixed. Of very compact growth; 3 1/2-in. flowers; free flowering and later than other varieties, therefore valuable for succession. Excellent for formal bedding. 1/8 oz. 25c, pkt. 10c.

Color Scheme Border of Asters

Two Combinations

Collection A52. One packet each of Lavender, Flesh, Purple, White and Rose-pink **Late Branching Asters**, sufficient to plant "A" arrangement of border as diagrammed. Sent postpaid for 40c.

Collection B52. One packet each of Dark Blue, Lilac, Soft Pink, Rose and Crimson **Ostrich Plume Asters**, sufficient to plant "B" arrangement of border as diagrammed. Sent postpaid for 40c.



Asters

and fall flowers has absorbed the attention of the American seed growers for some years past and it has been proved our climate is ideal for the perfect growth of this family. With the perfect growth and giant size the seedsman has been encouraged to make selections of various characteristics which distinguish these types and now the American Asters resemble huge hothouse grown Chrysanthemums. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Tall Section—Continued.

Soleil D'Or

574 Golden Sun. This is the best yellow Aster. The quilled flowers are of fair size; they are borne on long stems; the color is a pleasing light yellow. Pkt., 15c.

The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

- 575 White. 578 Crimson.
- 576 Pink. 579 Violet.
- 577 Rose. 580 Lavender.

Each of the above, 1/8 oz., 25c; pkt., 10c.

581 Mixed, all colors. 1/8 oz., 20c; pkt., 10c.

The Royal (Early Flowering Branching)

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

- 585 White. 588 Lavender.
- 586 Shell Pink. 589 Purple.
- 587 Rose Pink. 590 Mixed, all colors.

Each of the above, 1/8 oz., 25c; pkt., 10c.

American Asterum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

- 591 Snow White. 593 Lavender.
- 592 Rose Pink.

Each of the above, 1/8 oz., 30c; pkt., 10c.

CALCEOLARIA

755 Hybrida Grandiflora (Pouchflower). Fine Mixed. + 1 1/2 ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Is not of easy culture, but a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. Pkt. 300 seeds, 25c.



Calceolaria



Vaughan's Giant Ostrich Feather Asters

Other New American Varieties

- 595 Lavender Gem. One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long, firm stems. 1/8 oz., 30c; pkt., 15c.
- 600 Peerless Pink. The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later. Pkt., 15c.
- 601 Crimson Giant. This shade has been one which has seemed to lack intensity of color, but in this variety the blood-red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden. Pkt., 15c.
- 602 White Perfection. A fine new midseason Aster of tall, upright growth, carrying about twelve large, long-stemmed, pure white double flowers about four inches in diameter, of perfect form, the broad, slightly folded petals being arranged in circular rows, like some Dahlias. Pkt., 15c.
- 603 Miss Roosevelt. Primrose changing to flesh. Pkt., 10c.

CALENDULA (Pot Marigold) □ 1 ft.

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

- 766 Officinalis, Orange King. The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. 1/4 oz., 20c; pkt., 10c.
- 767 Officinalis, Sulphur Queen. Large sulphur yellow. Pkt., 10c.
- 768 Officinalis, Meteor. Apricot-orange, striped primrose. Pkt., 5c.
- 769 Pongei Flore Pleno. Double white flowers. Pkt., 10c
- 770 Mixed, all colors. For woodlands, wild gardens and perennial borders 1/4 oz., 10c; pkt., 5c.

CALIFORNIA POPPY—See Escholtzia

CANARY BIRD VINE □ = 15 to 20 ft.

840 A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings expanded the plant obtained its common name. Does well in the shade. pkt., 5c.

Bone, blood and potash is a rich, well-balanced fertilizer. It will increase the size and hasten the maturity of your annuals. See Page 117.

610 Sensation. Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red. The flowers are wonderfully attractive in the garden and when cut and used under artificial light the effect is charming Pkt., 15c.

Mixtures in Variety

- 611 White Asters in Mixture. Composed of all the tall growing white sorts. 1/8 oz., 25c; pkt., 10c.
- 620 Asters, Tall Mixture. Many classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this, and the flowers will be in succession from early in the summer to late in the fall. 1 oz., 75c; 1/4 oz., 25c; pkt., 10c.
- 621 Asters, Dwarf Mixture. This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. 1/8 oz., 25c; pkt., 10c.

Singlè Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.

- 622 White. 624 Pink.
 - 624a Lavender. 626 Mauve.
 - 623 Dark Blue.
- Each of the above, pkt., 10c.
- 627 Marechal Joffre. A large flowered single red; excellent for cutting. Pkt., 15c.
- 628 Mixed, all colors. Pkt., 10c.

For new varieties see Pages 4 and 5.

American Legion Collection

Vaughan's Asters

One 10-cent packet each of Tall Asters, Red, White and Blue of any variety, prepaid for 25c.

Vaughan's Excelsior Mixture of Tall Asters

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of Tall Asters in existence, and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain. 1/8 oz., 50c; large pkt., 25c; pkt., 15c.



In the case of very hard shelled seeds it will be found a good plan to steep them in tepid water for some hours previous to sowing, as this will hasten their germination.



Candytuft

See Next Page for Description



Cardinal Climber

CALLIOPSIS (Tickseed) 6 in. to 2 ft.

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

780 Crown of Gold (Coronata Maxima). Splendid cut flower. Pure golden yellow, 2 to 3 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.

781 Golden Ray. 6 to 8 in. Flowers golden yellow with dark purplish-brown center. $\frac{1}{2}$ oz., 25c; pkt., 10c.

782 Drummond, Golden Wave. 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye. $\frac{1}{4}$ oz., 10c; pkt., 5c.

783 Hybrida Superba. Forms dense bushes desirable for pots, groups and borders. $\frac{1}{2}$ oz., 25c; pkt., 10c.

784 Radiata Tigrinia (Tiger Flower). 6 to 8 in. Flowers large reddish-brown, turning golden-yellow. $\frac{1}{2}$ oz., 25c; pkt., 10c.

788 Tall Varieties, Mixed. Valuable for wild gardens, etc., and for cutting. $\frac{1}{4}$ oz., 10c; pkt., 5c.

789 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders. $\frac{1}{4}$ oz., 10c; pkt., 5c.

790 Double Mixed, all colors. $\frac{1}{4}$ oz., 20c; pkt., 10c.

800 Vaughan's Special Mixture Calliopsis. This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it. $\frac{1}{2}$ oz., 30c; pkt., 10c.

**CALLIRHOE**

801 Involucrata. 9 to 12 in. Flowers crimson, purple, cherry, red or paler. Pkt., 10c.

CANDYTUFT □

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

845 Giant Hyacinth-Flowered White. 1 ft. A grand border plant, bearing very large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Oz., 85c; $\frac{1}{4}$ oz., 25c; pkt., 10c.

846 Empress. Pure white, splendid cut flower. $\frac{1}{2}$ oz., 25c; pkt., 5c.

850 Queen of Italy. 8 in. The plants form dwarf bushes covered with large pink blooms. $\frac{1}{4}$ oz., 25c; pkt., 10c.

851 Snowflake. The very sweetest of all. $\frac{1}{4}$ oz., 25c; pkt., 10c.

852 Umbellata Carminea. Carmine. $\frac{1}{4}$ oz., 20c; pkt., 10c.

854 Umbellata Purpurea. Crimson. $\frac{1}{4}$ oz., 20c; pkt., 10c.

855 Umbellata Rose Cardinal. Brilliant deep rosy-red; one of the most effective for bedding. $\frac{1}{4}$ oz., 25c; pkt., 10c.

856 Umbellata Lilacina. Lilac. A particularly charming color. $\frac{1}{4}$ oz., 25c; pkt., 10c.

857 Dwarf Hybrids Mixed. Plants of fine, compact growth, covered with large flowers ranging in color from rose, salmon, coral pink and delicate blush to lilac and purple crimson. Valuable for borders and cutting. $\frac{1}{4}$ oz., 25c; pkt., 10c.

860 Mixed, all colors. Lb., \$1.80; $\frac{1}{4}$ lb., 50c; oz., 25c; $\frac{1}{2}$ oz., 15c; pkt., 5c.

CANNA ÷ 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. No park, no public garden, private estate, or even moderate town plat is complete this summer without a showing of Cannas. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

900 Giant Flowered, Mixed. These are saved from our own collection at Western Springs. 1 oz., 35c; $\frac{1}{4}$ oz., 20c; pkt., 10c.

For Canna plants see Pages 96 and 97.

CARDINAL CLIMBER □ = 25 ft.

901 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. 2 pkt., 25c; 5 pkt., 50c; pkt., 25 seeds, 15c.

CARNATIONS □ #

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free-flowing, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

910 Chabaud Mixed. A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion. Pkt., 100 seeds, 15c.

911 American Hybrids. A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession. Pkt., 35 seeds, 25c.

914 Marie Chabaud. Pure canary yellow. Pkt., 50 seeds, 15c.

920 Guillaud Riviera Market. Nearly all double flowers of fine form and delicate shades, including yellow, all fragrant. Pkt., 25c.

930 Giant Margaret Mixed. Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support. Pkt., 100 seeds, 15c.

CARNATIONS—Continued

931 Giant Margaret White. Pkt., 50 seeds, 15c.

950 Margaret, Double Mixed. Pkt., 10c.

952 White. Pkt., 10c.

954 Yellow. Pkt., 10c.

956 Pink. Pkt., 10c.

958 Striped. Pkt., 10c.

960 Red. Pkt., 10c.

975 Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in Sept., potted and will bloom all winter in the house. Pkt., 100 seeds, 25c.

**VAUGHAN'S MIXTURE OF ANNUAL FLOWER SEEDS FOR CUT FLOWERS**

902 This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form. $\frac{1}{4}$ oz., 20c; oz., 50c; large pkt., 10c.

CELOSIA (Coxcomb) □ 8 in.**Cristata or Crested Dwarf Sorts**

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

1010 President Thiers. Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs. Pkt., 10c.

1014 Empress. Blood-red combs and brown foliage. Pkt., 10c.

1016 Aurea. Golden yellow combs. $\frac{1}{8}$ oz., 75c; pkt., 10c.

1018 Rosea. Pink combs. $\frac{1}{8}$ oz., 75c; pkt., 10c.

1019 Dwarf Mixed. All the above and others. $\frac{1}{8}$ oz., 30c; pkt., 10c.

1021 Tall Coxcomb Mixed, 18 to 24 in. $\frac{1}{8}$ oz., 20c; pkt., 10c.

Plumosa or Plumed Varieties 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1022 Plumosa Aurea. Orange ostrich plume. $\frac{1}{8}$ oz., 25c; pkt., 10c.

1024 Plumosa Coccinea. Crimson ostrich plume. $\frac{1}{8}$ oz., 25c; pkt., 10c.

1025 Plumosa mixed, all colors. $\frac{1}{4}$ oz., 15c; pkt., 5c.

1026 Plumosa Thompsoni Magnifica. A choice strain of the Ostrich Plume Celosias. $\frac{1}{4}$ oz., 25c; pkt., 10c.



Carnation



Celosia Childsii

CELOSIA, Plumosa—Continued

- 1027 **Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades. Pkt., 25c.
- 1028 **The Chinese Woolflower (Celosia Childsii).** Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet. Pkt., 15c.
- 1029 **Spicata.** Plants are erect and grow 3 feet in height, branching freely, each stem terminating in a round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip. Pkt., 5c.
- 1032 **Dwarf Plumosa Mixed.** Pkt., 10c.

CENTAUREA

- 1039 **Americana.** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy-lavender color. ½ oz., 40c; pkt., 10c.
- 1040 **Americana Alba** □ 2½ ft. **Star Thistle.** Immense heads of double fluffy blooms, almost pure white. ½ oz., 50c; pkt., 10c.

CENTAUREA CYANUS (Bachelor's Button or Cornflower) □ 2 ft.

It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes.

Single Flowering Varieties

- 1041 **White.** ½ oz., 35c; pkt., 10c.
- 1042 **Blue Emperor.** ½ oz., 20c; lb., \$4.00; pkt., 10c.
1043. **Dark Purple.** Pkt., 10c.
- 1044 **Rose.** Pkt., 10c.
- 1045 **Mixed, all colors.** ½ oz., 15c; ¼ lb., 75c; pkt., 5c.

Double Flowering Varieties

- 1046 **White.** Oz., 60c; ¼ oz., 20c; pkt., 10c.
- 1047 **Blue.** Oz., 60c; ¼ oz., 20c; pkt., 10c.
- 1048 **Pink and Rose Shades.** Oz., 60c; ¼ oz., 20c; pkt., 10c.
- 1048a **Purple.** Oz., 60c; ¼ oz., 20c; pkt., 10c.
- 1049 **Double Mixed.** ½ oz., 25c; pkt., 10c.
- 1050 **Dwarf Victoria.** 9 in. Edging, blue. Pkt., 10c.
- 1051 **Vaughan's Special Mixture of Bachelor's Buttons, double and single varieties.** 1 oz., 60c; pkt., 10c.



CENTAUREA—Continued

Imperialis (Giant Sweet Sultan) 2½ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems; when cut will last for several days in good condition.

- 1064 **White.**
- 1065 **Lilacina.** Dark Lilac.
- 1066 **Favorita.** Brilliant Rose.
- 1067 **Sphigenia.** Delicate pink white center.
- 1067a **Splendens.** Purple crimson.
- 1068 **Rose and White.**
- 1068a **Deep Lavender.**
- Each of the above, ¼ oz., 20c; pkt., 10c.
- 1069 **Mixed, all colors.** ¼ oz., 15c; pkt., 10c.
- 1070 **Moschata Mixed.** Sweet Sultan, white, red and blue. Pkt., 5c.
- 1071 **Suaevolens.** Yellow Sweet Sultan. ½ oz., 30c; pkt., 5c.
- 1072 **Vaughan's Special Mixture of Centaureas** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer. ½ oz., 40c; pkt., 10c.



CENTAUREA

- 1073 **Candidissima** ÷ 10 in. Thick silvery white leaves, used for bedding purposes. Pkt., 10c.
- 1074 **Gymnocarpa Dusty Miller** 1 ft. Foliage finely cut of silvery gray color, used for bedding. Pkt., 10c.

CENTROSEMA

A hardy vine of rare and exquisite beauty, which blooms early in June from seeds sown in April, and bears in the greatest profusion inverted, pea-shaped flowers from 1½ to 2½ inches in diameter, and ranging in color from rosy violet to reddish purple, with a broad feathered white marking through the centre, while the large buds and the back of the flowers are pure white, making it appear as if one plant bore many different colored flowers, at one time. Occasionally plants produce pure white flowers, while others are broadly margined with a white feathering. The flowers are produced in the greatest abundance, sometimes six to eight in a cluster. The stem and foliage are very graceful and of a delightful odor. It is well adapted for every garden purpose, and especially as a climber, running from six to eight feet in a season. Will grow wild over shrubbery making it beautiful with bloom all summer. It will bloom until frost, and if potted, will no doubt flower freely in the house. One of its most attractive features is the way in which the flowers look up at you. Every imaginative person sees faces in the Pansy, and this is even more suggestive in *Centrosema*.

- 1075 **Grandiflora Butterfly Pea.** □ = ÷ 10 ft. Pkt., 10c.

CHINESE LANTERN PLANT—See Physalis Francheti page 86

Vaughan's Rose Grower bone meal sprinkled near your flowers will brighten their colors and hasten their growth. See Page 117.



Centaurea Imperialis



Chrysanthemum—Single Annual

CHRYSANTHEMUM, ANNUAL VAR. □

Showy and effective family of plants of varied character extensively grown for cut flowers.

Single Flowering Varieties

- 1088 **Morning Star.** Primrose with golden yellow center. Pkt., 5c.
- 1089 **Evening Star.** Large golden yellow flower. ¼ oz., 15c; pkt., 5c.
- 1090 **Carinatum, Eclipse.** Yellow with dark brown disk. Pkt., 5c.
- 1091 **Burridgeanum.** Very beautiful flowers, banded with crimson, white and yellow. Pkt., 5c.
- 1092 **Golden Feather.** Foliage striking yellow; flower with a crimson ring near center. ¼ oz., 15c; pkt., 5c.
- 1094 **The Sultan.** Crimson maroon. ¼ oz., 15c, pkt. 10c.
- 1095 **Northern Star.** Flowers pure white with a zone of clear bright yellow overlaid with silver. ¼ oz., 15c; pkt., 10c.
- 1095a **Mixed, Single Annual Varieties.** Pkt. 10c.

Double Flowering Varieties

The coronation varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut bloom during the summer.

- 1096 **Coronarium, Double White.** ¼ oz., 15c; pkt., 5c.
- 1097 **Coronarium, Double Golden Yellow.** ¼ oz., 15c; pkt., 5c.
- 1098 **Coronarium Double Sulphur Yellow.** ¼ oz., 15c; pkt., 5c.
- 1098a **Coronarium, Pumila, Luteum Golden Ball.** 15 in. Forming compact plants smothered in bright yellow flowers, a fine bedder. Pkt., 10c.
- 1098b **Tricolor, Atro-coccineum, pl.** Double red. Pkt., 10c.
- 1099 **Double Mixed.** ¼ oz., 15c; pkt., 5c.
- The **Dunnetti** varieties are of upright growth, producing flowers two inches across.
- 1100 **Dunnetti, Double White.** Pkt., 10c.
- 1101 **Double Yellow.** Pkt., 10c.
- 1102 **Inodorum Plenissimum, Bridal Robe.** 10 in. Double pure white flowers. ½ oz., 40c; pkt., 10c.
- 1109 **Vaughan's Special Mixture of Double Chrysanthemums.** All the above and others, ½ oz., 25c; pkt., 10c.
- 1110 **Vaughan's Special Mixture of Annual Chrysanthemums.** Single and double sorts in finest mixture including many new varieties not catalogued above. ½ oz. 25c, pkt. 10c.



The following are valuable for winter-flowering in pots.

- 1112 **Frutescens** ÷ Paris daisy or Marguerite. Large white star-shaped flowers. ½ oz., 15c; pkt., 10c.
- 1114 **Chinese and Japanese Varieties Mixed.** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall. Pkt., 100 seeds, 15c.



Centaurea Cyanus—Bachelor's Button
See Description Page 55

CINERARIA + 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

1120 **Vaughan's Columbian Mixture.** This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors. Pkt. 25c.

1121 **Hybrida, Good Mixed.** Pkt., 10c.

1122 **Radiata Polyantha.** 2 to 3 ft. The small starry flowers are borne in profusion in loose panicles in many pleasing shades of crimson, rose blush, white, azure and violet. Pkt., 25c.

1123 **Maritima, Diamond.** For edging, silvery foliage. Pkt., 10c.

CLARKIA □ 2 ft.

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

1124 **Apple Blossom.** Double flowers, apple-blossom, pink. Pkt., 10c.

1125 **Brilliant.** Double flowers, produced on long spikes, of a brilliant salmon scarlet. ¼ oz., 30c; pkt., 10c.

1126 **Chamois.** Pkt., 10c.

1127 **Flesh.** Double flesh pink. Pkt., 10c.

1128 **Queen Mary.** Lovely rose carmine, very bright color. Pkt., 10c.

1129 **Salmon Pink.** Double salmon. Pkt., 10c.

1130 **Scarlet Queen.** The flowers are a double orange salmon and develop to a glowing orange scarlet. ½ oz., 25c; pkt., 10c.

1132 **White Prince.** Very double, pure white. ¼ oz., 30c; pkt., 10c.

1133 **Double and single Mixed.** 1 oz., 25c; pkt., 5c.

1134 **Vaughan's Special Mixture.** Made up especially from the above named varieties. Be sure and include this in your order. Pkt. 15c.

ANNUAL CLIMBERS

- 240 *Antigonon leptopus*. Pkt., 10c.
660 *Balloon Vine*. Pkt., 5c.
663 *Balsam Apple and Pear Mixed*. Pkt., 10c.
748 *Bryonopsis laciniosa*. Pkt., 10c.
840 *Canary Bird Vine*. Pkt., 5c.
901 *Cardinal Climber*. Pkt., 15c.
1137 *Cobaea scandens*. Pkt., 5c.
1146 *Coccinea indica*. Pkt., 10c.
1166 *Convolvulus major*, Mixed. Pkt., 5c.
1230 *Cypress Vine*, Mixed. Pkt., 5c.
1387 *Dolichos* Mixed. Pkt., 5c.
1510 *Gourds* Mixed. Pkt., 5c.
1580 *Humulus japonicus*. Pkt., 5c.
Ipomoea all varieties.
1752 *Maurandya* Mixed. Pkt., 10c.
1754 *Melothria punctata*. Pkt., 10c.
1778 *Mina lobata*. Pkt., 10c.
2380 *Tall Nasturtium*, **Vaughan's Special Mixed**. Pkt., 10c.
3512 *Thunbergia* Mixed. Pkt., 10c.
3760 *Wild Cucumber*. Pkt., 5c.

CLEOME

1135 **Pungens (Spider Wort)** □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. ½ oz. 25c, pkt. 10c.

CLIANTHUS

1136 **Dampieri (Glory Pea of Australia)**, + 2 ft. Clusters of bright red flowers with black spot. Pkt., 15 seeds, 25c.

COBAEA

1137 **Scandens Cathedral Bells** □ = 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green but turn a beautiful purplish lilac. Seed should be sown edgewise. A very vigorous and prolific bloomer. ¼ oz., 15c; pkt., 5c.

1138 **Flore albo.** White. ¼ oz., 30c; pkt., 10c.

1139 **Mixed.** White and blue. Pkt., 10c.

COCCINEA

1146 **Indica** □ = A remarkably pretty annual climber; luxuriant ivy-like foliage; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white. ½ oz., 25c, pkt. 10c.

COIX

1148 **Lachrymae (Job's Tears)** □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., 60c; ¼ lb., 20c; 1 oz., 5c.

COLEUS

1150 **Vaughan's Mammoth Rainbow Mixture** ÷ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich. Pkt., 20c.

1153 **Fine Mixed.** Pkt., 10c.

COLLINSIA

1154 **Mixed** □ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. 1 oz., 25c; pkt., 5c.

COMMELINA

1156 **Sellowiana** ÷ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color. ½ oz., 50c; pkt., 10c.

COSMIDIUM

1174 **Orange Crown** □ 2 ft. The flowers are golden-yellow with a broad circle of a rich orange around the disk, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c.



Cobaea scandens



Cosmos

CONVOLVULUS (Morning Glory) □ =

Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

1160 **White** 1163 **Striped**
1161 **Rose** 1164 **Dark Blue**
1162 **Crimson** 1165 **Lilac**

One packet each of above, 6 for 20c. Each of the above, 1 oz., 20c; pkt., 5c.

1166 **Mixed, all colors.** 1 lb., 80c; ¼ lb., 25c; 1 oz., 10c; pkt., 5c.

1168 **Double Mixed.** The flowers are double and semi-double and some are fringed. ½ oz., 20c; pkt., 10c.

1169 **Double Snow Fairy.** The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. ½ oz., 35c; pkt., 10c.

Minor—Dwarf or Bush Varieties. 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

1171 **Blue.** 1 oz., 20c; pkt., 5c.

1172 **Rose Queen.** 1 oz., 20c; pkt., 5c.

1173 **Mixed, all colors.** Lb., \$1.00; 1 oz., 15c; pkt., 5c.

COSMOS □ 4 to 6 ft.

This beautiful annual is one of the most showy and useful of our garden plants. Plants are very bushy and compact. Flowers borne on long delicate stems and are similar to single Dahlias. Foliage very finely cut.

Early Flowering Mammoth

These are the only kind we would recommend planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost. We have dropped the ordinary Early Flowering varieties which produce small flowers and now offer only these Mammoth Early Flowering sorts.

1180 **White.** Pkt., 10c.

1181 **Pink.** Pkt., 10c.

1182 **Crimson.** Pkt., 10c.

1185 **Early Flowering Mammoth Mixed,** all colors. ¼ oz., 20c; pkt., 10c.

Late or Giant Flowered

For sowing south of the latitude of Middle Illinois.

1187 **Crimson Ray.** The petals are narrow and fluted, and separated in star-like form and of the most brilliant crimson color overlaid with a velvet sheen. Pkt., 10c.

1188 **Crimson.** ½ oz., 15c; pkt., 5c.

1189 **White Lady Lenox.** Pkt., 10c.

1190 **Pink Lady Lenox.** ½ oz., 25c; pkt., 10c.

1195 **Giant Mixed.** 1 oz., 25c; ½ oz., 15c; pkt., 5c.

1196 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely lacinated than others. Pkt., 10c.

For New Double Sorts see the Novelty pages.



Dahlia

CUPHEA

- 1202 *Platycentra* (Cigar Plant) ÷ 10 in. Small scarlet and black tubular flowers; dark green foliage. Pkt., 20c.
- 1203 *Purpurea*. Pkt., 10c.

CYPERUS

- 1227 *Alternifolius* (Umbrella Plant) + 1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape. Pkt., 10c.

CYPRESS VINE □ = 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

- 1228 **White**. ½ oz., 25c; pkt., 5c.
- 1229 **Scarlet**. ½ oz., 25c; pkt., 5c.
- 1230 **Mixed**. ½ oz., 20c; pkt., 5c.
- 1231 **Ivy-Leaved Scarlet**. A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c.

DAHLIA □ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

- 1232 **Collarette, Mixed Colors**. Flowers of various colors, adorned with a collar of small petals around the center, novel and beautiful. ¼ oz., 30c; pkt., 10c.
- 1233 **Colossal**. The flowers are composed of three or more whorls of wide overlapping petals—one above the other. Stems are long and rigid, bearing flowers well above the foliage; the colors are rich and varied. ¼ oz., 30c; pkt., 10c.
- 1235 **Giant Perfection Mixed**. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.
- 1236 **Striped Mixed**. Pkt., 10c.

Double Flowering

- 1237 **Double Good Mixed**. ½ oz., 35c; pkt., 10c.
- 1238 **Double Cactus Flowered Mixed**. With twisted and curled petals. ½ oz., 35c; pkt., 15c.
- 1239 **Double Best Mixed**. Saved from show and fancy sorts. Pkt., 25c.
- 1240 **Vaughan's Special Mixture**. This mixture contains seeds from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts. Pkt., 60 seeds, 25c.



CYCLAMEN (Alpine Violet) + 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

- 1205 **Giant Flowered Cyclamen**. Mixed, extra choice. 10 seeds, 20c; 20 seeds, 30c; 100 seeds, \$1.20.

DAISY COLLECTION

These simple flowers appeal to many. With the exception of the *Bellis* or English Daisy all have a single row of petals around a center of a contrasting shade. Nearly all have long stems and are excellent for cutting.

Arctotis

- 355 **Grandis** (African Daisy). Flowers pure white on upper surface reverse of petals being pale lilac blue. Pkt., 10c.

Bellis

- 725 **Perennis** Fl. Pl. (English Daisy). # 6 to 8 in. Mammoth mixed, pink and white. Pkt., 15c.

Brachycome

- 740 (Swan River Daisy). 8 in. Mixed, blue and white. Pkt., 5c.

Chrysanthemum

- 1113 **Maximum** (Ox-eyed Daisy). White flowers. Pkt., 10c.
- 1112 **Frutescens** (Paris Daisy). Large white star-shaped flowers. Pkt., 10c.

Dimorphotheca

- 1383 **Aurantiaca** (Orange Daisy) □ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring. ¼ oz., 30c; pkt., 10c.

Agathia

- 5010 **Coelestis** (Blue Daisy). Sky blue with yellow disc. Early growth; blooms all summer. Pkt., 10c.

Anthemis

- 5023 **Kelwayi**. Yellow hardy Marguerite Daisy. Pkt., 10c.

Shasta

- 5157 **Daisy Alaska**. Large pure white flowers. Pkt., 10c.

Pyrethrum

- 5413 (Painted Daisy) **Roseum Hybridum Grandiflorum**. Single, mixed. Yellow centers; ray petals; shades of pink and red. Fern leaved foliage. Pkt., 15c.

Special Daisy Collection—One packet each of the 10 Daisies described above for 75c.

DIMORPHOTHECA

- 1383 **Aurantiaca**. (Golden Star of the Veldt.) □ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun. ¼ oz., 30c; pkt., 10c.
- 1384 **Aurantiaca Hybrida**. They vary in color from the purest white to red and blush, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose. Pkt., 15c.



Morning Glory

See Page 56 for Description



Delphinium

DATURA (Angel's Trumpet) □ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny-sheltered position. Make grand pot plants for the greenhouse.

- 1242 **Cornucopia** (Horn of Plenty). Immense flowers, triplicate in form, like three cones, one within the other, color rich violet, with white interior. ¼ oz., 20c; pkt., 10c.
- 1243 **Golden Queen**. Very large double bright yellow flowers, a fine pot plant. ¼ oz., 20c; pkt., 10c.
- 1244 **Double White**. ¼ oz., 15c; pkt., 5c.
- 1245 **Double Fine Mixed**. ¼ oz., 15c; pkt., 5c.

DELPHINIUM (Annual Larkspur) □

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The Emperor, Hyacinth-flowered and Branching varieties bloom a little later than the Stock-flowered. Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

Stock-Flowered

- 1261 **Lustrous Carmine** (Newport Pink)
 - 1262 **Flesh Color**. 1265 **Dark Blue**.
 - 1263 **Deep Lavender**. 1267 **Sky Blue**.
 - 1264 **White**.
- Each of the above, ¼ oz., 25c; 1 oz., 80c; pkt., 10c.
- 1268 **Mixed, all colors**. 1 oz., 60c; ¼ oz., 20c; pkt., 5c.
 - 1269 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. ¼ oz., 15c; 1 oz., 50c; pkt., 5c.
 - 1275 **Dwarf Rocket Mixed**. 1 ft. ¼ oz., 10c; 1 oz., 25c; pkt., 5c.
 - 1281 **Emperor Mixed**. Produces an abundance of long, slender spikes in the most delicate colors. ¼ oz., 10c; pkt., 5c.
 - 1285 **Vaughan's Special Mixture**, Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. 1 oz., \$1.00; ¼ oz., 30c; pkt., 10c.



See Pages 4 and 5 for new varieties.

DOLICHOS (Hyacinth Bean) □ = 10 ft.

A rapid-growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

- 1385 **Princess Helen** (Daylight). Snow white flowers followed by silvery white seeds pods. 1 oz., 25c; pkt., 5c.
- 1386 **Purple Sudan** (Darkness). Attractive rose-violet flowers with dark ruby-purple seed pods. 1 oz., 25c; pkt., 5c.
- 1387 **Mixed, all colors**. 2 oz., 35c; 1 oz., 20c; pkt., 5c.
- 1392 **Lignosus** (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.



Dianthus

DIANTHUS (Garden Pinks) □ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

Single Flowering

- 1286 *Crimson Belle*. Large handsome flowers, crimson. Pkt., 5c.
 1287 *Eastern Queen*. Large and beautiful flowers, marbled rose and white. $\frac{1}{4}$ oz., 20c; pkt., 5c.
 1288 *Salmon Queen*. Salmon scarlet. Pkt., 10c.
 1289 *Mephisto*. Salmon margined dark brown. Pkt., 10c.
 1290 *Mirabilis*. (Single Wonder Pink.) The petals are deeply cut into fine strips of threadlike fringes. All shades from pure white to deep purplish red. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 1291 *The Bride*. White with purple center. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 1292 *Vesuvius*. Bright geranium red. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 1293 *Chinese Single Mixed*. $\frac{1}{4}$ oz., 15c; pkt., 5c.
 1294 *Japan Single Mixed*. Great range of colors. $\frac{1}{4}$ oz., 20c; pkt., 5c.
 1295 *Laciniatus Mixed*. Single fringed flowers. $\frac{1}{4}$ oz., 20c; pkt., 5c.
 1326 *Vaughan's Special Mixture*, Single Pinks. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. $\frac{1}{4}$ oz., 30c; pkt., 10c.

Double Flowering

- 1327 *Chinensis Double Mixed*. Blooms in clusters, flowers very double and in a large range of colors. $\frac{1}{4}$ oz., 10c; pkt., 5c.
 1328 *Double Salmon*. A beautiful shade. Pkt., 10c.
 1329 *Diadematus Double Mixed*. Beautiful flowers in various shades with the outer edges fringed and almost white. $\frac{1}{4}$ oz., 25c; pkt., 5c.
 1338 *Imperialis, Double Mixed*. Bushy grower. $\frac{1}{4}$ oz., 20c; pkt., 5c.
 1339 *Laciniatus, Double Mixed*. Flowers deeply lacinated. Pkt., 10c.
 1340 *Mirabilis Flore Pleno*. (Double Wonder Pink.) Flowers are like fringed balls in many attractive colors. Pkt., 10c.
 1341 *Mourning Cloak*. Flowers very dark velvety crimson, each petal being strikingly edged white. $\frac{1}{4}$ oz., 20c; pkt., 10c.
 1342 *Fireball*. Scarlet, compact, floriferous. $\frac{1}{4}$ oz., 30c; pkt., 10c.
 1343 *Snowball*. Compact, fringed white flowers. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 1344 *Midnight*. Double blood-red. Pkt., 10c.
 1345 *Brilliant Rose*. A new shade; very pleasing. Pkt., 10c.
 1346 *Vaughan's Special Mixture of Double Pinks*. Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades. $\frac{1}{4}$ oz., 30c; pkt., 10c.

DIANTHUS, Double Flowering—Continued

1350 *Vaughan's Special Mixture of Double and Single Pinks*. This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. $\frac{1}{4}$ oz., 30c; pkt., 10c.

DIGITALIS (Foxglove) see *Perennial Pages*.

DRACAENA

1396 *Indivisa* □ + 2 ft. Ornamental leaved plants; long narrow, green leaved foliage. Pkt., 10c.

ERYTHRINA

1414 *Crista Galli (The Coral Tree.)* + 4 ft. A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. Pkt., 15c.

EVERLASTINGS

Everlastings have become popular again; winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long cold winter when flowers are scarce, a bit of brightness for your own home. The drying is a simple operation. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days. We can offer the following:

Acroclinium

92 *Roseum* □ 2 ft. Graceful daisy-like flowers, pretty bright rose with yellow center. $\frac{1}{4}$ oz., 20c; pkt., 5c.

Ammobium

194 *Alatum Grandiflorum* □ 2½ ft. Pretty white Everlasting. $\frac{1}{2}$ oz., 25c; pkt., 10c.

Gomphrena

1486 (*Globe Amaranth*). Mixed, all colors. A showy annual everlasting with clover-like heads. Pkt., 5c.

Helichrysum

1553 (*Strawflower*) □ 2 to 3 ft. *Vaughan's Special Mixture*. This mixture of *Helichrysum* is an improved large-flowered strain containing many new and exquisite shades. Pkt., 15c.

Lunaria

5331 *Biennis (Honesty or St. Peter's Penny)*. Flowers white, followed by silvery seed pods, prized for winter decoration. Pkt., 10c.

Physalis

5385 *Franchetti (Chinese Lantern Plant)*. 1½ ft. Flowers yellow with dark center. Produces balloon-like husks, which turn bright red when ripe and resemble Chinese paper lanterns. Pkt., 10c.

Rhodanthe

2925 (*Swan River Everlasting*) □ 1 ft. A charming annual; succeeds in a light rich soil and a warm sheltered situation; flowers everlasting; mixed colors. Pkt., 10c.

Statice

3045 *Russian (Suworowi)* □ 1 ft. Flowers bright rose color. Pkt., 15c.

3046 *Bonduelli*. Heads of bright yellow flowers. Pkt., 10c.

3047 *Sinuata Blue*. Light to dark lavender flowers. Pkt., 10c.

3048 *Sinuata Rosea*. 3049 *Sinuata White*. Each, 10c.

Xeranthemum

3765 *Double Mixed* □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. $\frac{1}{4}$ oz., 30c; pkt., 10c.

1438 *Everlasting Mixed* □ 1 to 2 ft. $\frac{1}{4}$ oz., 15c; pkt., 10c.

Special Everlasting Collection—One packet each of the 13 varieties listed above for 85c.

EUPHORBIA □ 2 ft.

Strong growing annuals, for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

1436 *Heterophylla (Mexican Fire Plant)*. Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn a vivid orange scarlet. $\frac{1}{4}$ oz., 15c; pkt., 10c.

1437 *Variegata (Snow on the Mountain or Mountain Spurge)*. 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. Pkt., 10c.



Escholtzia

ESCHOLTZIA (California Poppy) □ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

- 1415 *Alba*. Paper white. Pkt., 5c.
 1416 *California*. Large pale yellow. $\frac{1}{4}$ lb., 60c; 1 oz., 20c; pkt., 5c.
 1418 *Carmine King*. Beautiful carmine rose color, both on the interior and exterior of the flower. $\frac{1}{2}$ oz., 30c; pkt., 10c.
 1420 *Canaliculata Rosea*. Beautiful rosy pink flowers. Pkt., 10c.
 1421 *Dainty Queen*. Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream. Pkt., 10c.
 1422 *Golden West*. Flowers bright yellow and orange, penciled and blotched. $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ oz., 20c; pkt., 5c.
 1424 *Mandarin*. Inner side of the petals rich orange, the outer side brilliant scarlet. $\frac{1}{2}$ oz., 20c; pkt., 5c.
 1425 *Maritima*. Canary yellow with orange center. Pkt., 5c.
 1426 *Mikado*. Flowers lustrous orange-crimson, very brilliant. Pkt., 10c.
 1427 *Rose Cardinal*. Flowers pretty dark rose, inside blush. Pkt., 10c.
 1428 *Mixed*, all colors. Many shades. $\frac{1}{4}$ lb., 50c; 1 oz., 20c; pkt., 5c.
 1429 *Double and Semi-Double Mixed*. $\frac{1}{4}$ oz., 15c; pkt., 10c.
 1430 *Vaughan's Special Mixture*. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. See also novelties. Oz., 75c; $\frac{1}{2}$ oz., 40c; pkt., 10c.

EUCALYPTUS

1432 *Globulus (Blue Gum)* + Admirable for sub-tropical bedding or greenhouse decoration. Pkt., 10c.

EXECUM

1439 *Affine*. Greenhouse plant 1 to 2 ft. high with numerous bluish lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use and may be used like a primula or a begonia. Pkt., 50c.

FREESIAS

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed

1441 *Refracta Alba*. White. Pkt., 5c.
 1442 *Colored Hybrids*. Very attractive because of their unique colorings and shadings. Pkt., 15c.

FUCHSIA HYBRIDA (Ladies' Eardrop)

1446 *Double and Single Mixed* + 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early. Pkt., 20c.

FORGET-ME-NOT—See *Myosotis*.

FOUR O'CLOCK—See *Mirabilis*.

GAILLARDIA (Blanket Flower)

□ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

- 1447 *Amblyodon*. Flowers deep red. Pkt., 10c.
- 1448 *Picta Single Mixed*. ¼ oz., 15c; pkt., 5c.
- 1450 *Lorenziana Double Perfection Mixed*. Large handsome heads of double quilled flowers in rich shades of red and yellow. ¼ oz., 20c; pkt., 5c.

GAURA

- 1462 *Lindheimeri* □ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. Pkt., 10c.

GERANIUM ÷ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

- 1465 *Zonale Varieties*. Saved from a choice collection. Pkt., 10c.
- 1466 *Large Flowering, Newest Varieties Mixed*. Pkt., 50 seeds, 15c.
- 1467 *Apple-scented*. Leaves fragrant. Pkt., 25 seeds, 10c.
- 1468 *Lady Washington (Odiar)*. Large flowering, beautifully blotched. Pkt., 15 seeds, 25c.

GOMPHRENA (Globe Amaranth)

- A showy annual everlasting with clover-like heads.
- 1483 *Globosa Alba*. White. 1484 *Rubra*. Red. 1484a *Pink*. Each of the above, pkt., 10c.
- 1486 *Mixed*, all colors. ¼ oz., 15c; pkt., 5c.

GLADIOLUS

- 1469a *Many Varieties Mixed*. Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming. Pkt., 10c.

GILIA

- 1470 *Mixed* □ 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. 1 oz., 20c; pkt., 5c.
- 1471 *Capitata*. 2 ft. Erect habit, plants one foot in diameter; flowers lavender blue. The blossom is like a small scabiosa and should prove a good cut flower. Pkt., 10c.

GLOXINIA

- 1472 *Vaughan's International Mixture* ÷ 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors. Pkt., 25c.
- 1473 *Fine Mixture*. Pkt., 10c.



Gypsophila—Elegans Grandiflora Alba

GODETIA □ 1½ ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

- 1474 *Duchess of Albany*. Pure white.
- 1475 *Gloriosa*. Deep blood-red.
- 1476 *Rosamunde*. Fiery rose.
- 1477 *Lady Satin Rose*. Bright carmine.
- 1478 *The Bride*. White and red.
- 1480 *Double Rose*.
- 1481 *Double Mixed*.
- Each of the above, ¼ oz., 25c; pkt., 10c.
- 1479 *Many Sorts and Colors Mixed*. ½ oz., 25c; pkt., 5c.
- 1482 *Dwarf Sorts Mixed*. Neat globular, about 10 in. in height. ¼ oz., 25c; pkt., 10c.

GERBERA

- 1469 *Jamesoni Hybrids*. □ The flowers bear long graceful petals with small eye. This strain comprises a great variety of pleasing shades. Pkt., 25 seeds, 25c.

GRASSES

- 1515 *Ornamental Mixed* □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c.

Ornamental Collection

- 136 *Agrostis Nebulosa*. Pkt., 10c.
- 744 *Briza Maxima*. Pkt., 10c.
- 1148 *Coix Lachrymae*. Oz., 5c.
- 1227 *Cyperus Alternifolius*. Pkt., 10c.
- 2595 *Pennisetum Longistylum*. Pkt., 10c.
- 2696 *Pennisetum Ruppelianum*. Pkt., 10c.
- 3770 *Zea Japonica Quadricolor Perfecta*. Pkt., 5c.
- Special Offer Ornamental Grasses. 1 pkt. each, 7 for 45c.



Sunflower (Helianthus Curumerifolius)

For Description see Page 60

GREVILLEA

- 1520 *Robusta (Silk Oak)* ÷ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage it reminds one of a palm or fern. Pkt., 10c.

HELICHRYSUM (Strawflower)

□ 2 to 3 ft.

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

- 1546 *Silver Ball*. White.
- 1547 *Fire Ball*. Red.
- 1548 *Golden Ball*. Yellow.
- 1549 *Rose Queen*. Carmine rose.
- 1550 *Salmon Queen*. Salmon pink.
- 1551 *Violet Queen*. Violet.
- Each of the above, pkt., 10c.
- 1552 *Mixed*, all colors. ½ oz., 20c; pkt., 5c.
- 1553 *Vaughan's Special Mixture*. This mixture of Helichrysium is an improved large-flowered strain containing many new and exquisite shades. ¼ oz., 25c; pkt., 15c.



Helichrysium (Strawflower)

GOURDS □ = 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

- 1487 *Apple-shaped*. Beautifully striped. Pkt., 5c.
- 1488 *Bottle*. The original Thermos bottle Used by the pilgrims in the orient. Pkt., 5c
- 1489 *Calabash or Pipe Gourd*. Odd-shaped fruit which is used to an advantage in making pipes. Pkt., 10c.
- 1490 *Dipper*. Fruit makes an excellent dipper and may be used for wren's nests. Pkt., 10c.
- 1491 *Dishcloth or Towel*. Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left. Pkt., 5c.
- 1492 *Hercules Club*. Fruit grows 3 to 4 ft. long. Pkt., 5c.
- 1493 *Gooseberry*. Gooseberry-shaped fruit. Pkt., 10c.
- 1494 *Japanese Nest Egg*. Fruit looks exactly like a hen's egg and may be used as nest eggs. Pkt., 5c.
- 1495 *Knob Kerrie*. To the ball-like base is attached a slender handle or stem, 2 to 3 feet in length. While developing they are deep green in color, changing as they mature to a richly mottled yellow. Pkt., 10c.
- 1496 *Orange*. The well known Mock Orange. Pkt., 5c.
- 1498 *Ornamental Pomegranate or Queen's Sweet Pocket melon*. Fruit deliciously perfumed and may be carried in the pocket or laid among linens. Pkt., 5c.
- 1500 *Pear Shaped*. Striped yellow and green. Pkt., 5c.
- 1502 *Sugar Trough*. Thick shells, very durable. Pkt., 5c.
- 1504 *Spoon*. Small ball-shaped fruit with slender necks, deep orange. By slicing off a part of the side of the bowl a satisfactory spoon may be made. Pkt., 10c.
- 1505 *Turk's Turban*. Odd brightly colored fruit. Pkt., 5c.
- 1506 *Small Fruited Varieties Mixed*. 1 oz., 35c; ½ oz., 20c; pkt., 5c.
- 1510 *Mixed*, all varieties. 1 oz., 30c; ½ oz., 20c; pkt., 5c.

GYPSOPHILA □ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

- 1522 *Elegans Grandiflora Alba (Angel's Breath)*. This is an improved, large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Oz., 30c; ½ oz., 20c; pkt., 5c.
- 1523 *Elegans Carminea*. Pkt., 5c.
- 1524 *Elegans Rosea*. Soft pink. ¼ oz., 15c; pkt., 5c.
- 1525 *Muralis*. 6 in. A lovely little rock or edging plant with rose-pink flowers. ¼ oz., 25c; pkt., 10c.





Japanese Morning Glory

HELIANTHUS (Sunflower) □

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfier kinds, with smaller flowers, are charming when grouped in mixed flower borders. Excellent for cutting.

Large Flowered Tall

- 1526 **Annus Purpureus**, Gaillardia-flowered or Red Sunflower. 4 to 8 ft. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary from a few inches to nearly a foot in diameter, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. Pkt., 10c.
- 1527 **Argyrophyllus**. 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles. $\frac{1}{2}$ oz., 15c; pkt., 5c.
- 1528 **Californicus Fl. Pl.** 5 ft. Double dark yellow. 1 oz., 10c; pkt., 5c.
- 1529 **Chrysanthemum Flowered Double**. 6 ft. Golden yellow flowers. Pkt., 10c.
- 1530 **Double Mixed**. 1 oz., 20c; pkt., 5c.
- 1531 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color. 1 oz., 20c; pkt., 5c.
- 1532 **Primrose Queen Double**. 5 to 6 ft. Large numbers of medium-sized pale sulphur yellow flowers are produced on short, straight stems. Pkt., 10c.
- 1533 **Nanus Flore Pleno**. 2½ ft. Double dwarf, beautiful for massing in beds. 1 oz., 20c; pkt., 5c.
- 1534 **Russian Mammoth**. Single, of gigantic dimensions. For larger amounts see Farm Seed pages. 1 oz., 5c.

Miniature-Flowered Sunflowers

- The following varieties of Helianthus cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers, which are borne for a long time in succession, and are invaluable as cut flowers.
- 1535 **Cucumerifolius**. The first introduction of these charming small sunflowers; flowers rich golden yellow with brown-black center. Pkt., 5c.
- 1535a **Diadem**. Light lemon. Pkt., 5c.
- 1536 **Stella**. Large golden yellow petals; small, dark center. Pkt., 5c.
- 1537 **Orion**. Petals rolled, resembling Single Cactus Dahlia. Pkt., 5c.
- 1538 **Purpureus**. Flowers shades of red and yellow. Pkt., 5c.
- 1539 **Double Hybrids**. Double and semi-double flowers. Pkt., 10c.
- 1540 **Liliput, Baby Sunflower**. 6 to 8 in. The plants are of a somewhat creeping growth, similar to those of Verbenas. Flowers are single, bright yellow, dark disc. Pkt., 10c.
- 1541 **Vaughan's Special Mixture**. Includes all the above of cucumerifolius varieties. $\frac{1}{4}$ oz., 20c; pkt., 10c.
- 1542 **Vaughan's Special Mixture of all the single and double Sunflowers**. $\frac{1}{2}$ oz., 25c; pkt., 10c.

**HELIOTROPE ÷ 2 ft.**

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seed sown in the Spring makes fine plants for bedding out, and are as easily grown as Verbenas.

- 1555 **Mammoth Mixed**. Flowers of great size and ranging in shade from dark blue to lilac. $\frac{1}{2}$ oz., 50c; pkt., 15c.
- 1556 **King of the Blacks**. Deep purple, almost black. Pkt., 15c.
- 1560 **Fine Mixed**. $\frac{1}{8}$ oz., 25c; pkt., 10c.

HOLLYHOCKS (Annual) □ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. They are continuously covered with large flowers in many beautiful colors.

- 1571 **Everblooming Single Mixed**. Large single flowers, exhibiting every shade known in Hollyhocks. $\frac{1}{2}$ oz., 25c; pkt., 10c.
- 1575 **Everblooming Double Mixed**. Double and semi-double. Pkt., 10c.

HUMULUS JAPONICUS (Japanese Hop)

□ = 20 ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it.

- 1580 **Green Leaved**. $\frac{1}{4}$ oz., 15c; pkt., 5c.
- 1582 **Variegated Leaved**. The large, handsome leaves are beautifully variegated, white, green and yellow. $\frac{1}{4}$ oz., 15c; pkt., 5c.

HUNNEMANNIA

- 1590 **Fumariaefolia (Bush Escholtzia, or Yellow Tulip Poppy)** □ 1½ ft. The plants grow into a shrubby bush and produce their large cup-shaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow; the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks. Oz., 60c; $\frac{1}{4}$ oz., 20c; pkt., 10c.

HYACINTH BEAN—See Dolichos.

IMPATIENS (Zanzibar Balsam)

÷ □ 1½ ft.

- One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.
- 1600 **Holstii**. Of rapid and vigorous growth and producing large flowers of a brilliant salmon-scarlet. Pkt., 15c.
- 1602 **Holstii Hybrids**. They range in color from pink through the red shades to purplish violet. Pkt., 15c.

IONOPSIUM

- 1610 **Acaule (Violet Cress)** □ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny, pale lilac flowers. $\frac{1}{8}$ oz., 30c; pkt., 10c.



Moonflower (Ipomoea)



Kochia Chirsii

See Page 61 for Description

ICE PLANT

- 1595 **Mesembryanthemum Crystallinum** □ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. $\frac{1}{4}$ oz., 15c; pkt., 5c.

IPOMOEA □ = 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

- 1615 **Bona Nox (Evening Glory)**. Violet flowers. 1 oz., 25c; pkt., 5c.
- 1617 **Coccinea (Star Ipomoea)**. Small scarlet flowers in great profusion. $\frac{1}{2}$ oz., 20c; pkt., 5c.
- 1619 **Mexicana Grandiflora Alba (White Moon Flower)**. Covered with large white flowers every evening and cloudy day. Seeds should be started inside. $\frac{1}{2}$ oz., 25c; pkt., 10c.
- 1620 **Mexicana Grandiflora, Giant Pink**. Soft lilac pink flowers. $\frac{1}{2}$ oz., 30c; pkt., 10c.
- 1622 **Imperialis (Japanese Morning Glory)**, Fine Mixed. The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb., \$1.00; $\frac{1}{4}$ lb., 35c; 2 oz., 25c; 1 oz., 15c; $\frac{1}{2}$ oz., 10c; pkt., 5c.
- 1625 **Vaughan's Special Mixture, Japanese Morning Glories**. The colors run from snow white through all possible shades of blue and red, from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. $\frac{1}{4}$ lb., \$1.00; 1 oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.
- 1627 **Learii**. Satiny blue with crimson bars. A good greenhouse climber. Pkt., 10c.
- 1630 **Rochester**. Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. $\frac{1}{2}$ oz., 30c; pkt., 10c.
- 1632 **Rubro-Coerulea (Heavenly Blue)**. Deep pure sky blue flowers, delicately shading to white toward the center. One of the most gorgeous blue flowers. Pkt., 10c.
- 1633 **Early Flowering Rubra Coerulea**. Sky blue. Pkt., 15c.
- 1635 **Setosa (Brazilian Morning Glory)**. The thick stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about nine inches across; flowers about two inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. $\frac{1}{2}$ oz., 25c; pkt., 10c.



For other Morning Glories, see Convolvulus.

JOB'S TEARS—See Coix Lachrymae.
KUDZU VINE—See Pueraria.

KOCHIA

1640 The New Giant (Summer Cypress, Burning Bush) □ 2½ ft. This beautiful annual bush has rapidly come into prominence. It grows 2 to 2½ feet high and resembles a close-clipped ornamental evergreen. The globe-shaped or pyramidal bushes are close and compact and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. Flowers small and numerous, but not conspicuous. The beauty of the plant is in its shape and color. ½ oz., 15c; pkt., 10c.

LANTANA

1645 Hybrida, Mixed + 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. They have an agreeable aromatic perfume. Pkt., 10c.
1646 Dwarf Hybrids. Mixed. Pkt., 15c.

LAVATERA □ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

1634 Splendens Alba. Very large, silky, pure white flowers. Pkt., 10c.
1635 Splendens Rosea. Very large, bright rose flowers. Pkt., 10c.

LAYIA

1657 Elegans (Tidy Tips) □ 1 ft. Very beautiful flowers, yellow bordered white, with golden center, profusely produced, for beds and borders, remaining long in beauty. Pkt., 10c.

LEPTOSYNE

1658 Stillmani. 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.
1659 Maritima. 3 ft. Large lemon-yellow Marguerite-like flowers on long stalks. Pkt., 10c.

LINUM

1665 Grandiflorum Rubrum (Crimson Flax) □ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. 1 oz., 30c; pkt., 5c.

MALOPE (Mallow-Wort) □ 2 ft.

Showy plants for large mixed flower and shrubby borders. The flowers are large and handsome.

1708 Grandiflora Alba. Large white flowers. ½ oz., 25c; pkt., 10c.
1709 Rosea. Flowers large, bluish, shaded pink toward center. Pkt., 10c.



Lobelia—Bedding Queen

LOBELIA ERINUS COMPACTA □

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

- 1675 Bedding Queen. Dwarfest, best for ribbon bedding. Flowers deep purplish violet, with clear white eye. Pkt. 10c.
 - 1676 Crystal Palace Compacta. Deepest blue, dark foliage. Pkt., 10c.
 - 1677 Emperor William. Clear sky blue, with green foliage. Pkt., 10c.
 - 1681 Pumila Rosea. Dwarf pink. Pkt., 10c.
- The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.
- 1683 Speciosa. True dark blue, dark foliage. Pkt., 10c.
 - 1684 Sapphire. Large, deep blue flowers, with a pure white eye which occupies one-third of the corolla. Pkt., 15c.
 - 1685 Mixed colors. ½ oz., 15c; pkt., 5c.

LUPINUS □ 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

- 1699 Hartwegii, White. Pure white flowers. ½ oz., 25c; pkt., 10c.
- 1700 Hartwegii, Oxford Blue. Dark blue. Pkt., 10c.
- 1701 Hartwegii, Cambridge Blue. Light blue. Pkt., 10c.
- 1702 Hartwegii Roseus. Rose-colored flowers. Pkt., 10c.
- 1703 Hybridus Roseus. A charming rose-pink flower. Pkt., 10c.
- 1704 Hybridus Atro-coccineus. Large spikes of scarlet white-tipped flowers. Pkt., 10c.
- 1705 Tall Annual Varieties, Mixed. 1 oz., 30c; pkt., 5c.
- 1706 Dwarf Annual Varieties, Mixed. 1 ft. Pkt., 10c.
(See also Perennials.)

MATRICARIA

- 1749 Capensis (Feverfew) □ 3 ft. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals. Pkt., 10c.
- 1750 Eximea, Golden Ball. 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

MATTHIOLA

- 1751 Bicornis (Evening-scented Stock) □ 15 in. The flowers in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. Lb., \$2.00; 1 oz., 20c; pkt., 5c.

MAURANDIA

- 1752 Mixed □ = 10 ft. Slender grower and abundant bloomer. Very desirable for greenhouse and garden. Elegant Gloxinia-like flowers, which range through white, rose, blue and purple in color. Pkt., 10c.

MELOTHRIA

- 1754 Punctata □ = 10 ft. (Musk Vine.) Blooms in clusters; flowers small, white and star shape, with a strong musk fragrance; leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons. Pkt., 10c.

MIMOSA

- 1772 Pudica (Sensitive Plant) □ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken. Pkt., 5c.

MIMULUS

- 1773 Moschatus (Musk Plant) □ Musk-scented leaves, tiny yellow flowers. Pkt., 15c.
- 1774 Tigrinus (Monkey Flower) □ 10 in. Queen's Prize, Single Mixed. Dwarf bushy plants, with large Gloxinia-like flowers, ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt., 10c.
- 1775 Tigrinus Fl. Pl. (Double Monkey Flower) Mixed. Pkt., 10c.



Marigold—Tall African

MARIGOLD (Tagetes) □

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class.

Double Tall African Varieties 5 ft.

- 1722 Eldorado. Extremely large and imbricated double flowers in yellow shades. ¼ oz., 20c; pkt., 10c.
- 1723 Lemon Queen. ¼ oz., 20c; pkt., 10c.
- 1724 Orange Queen. ¼ oz., 20c; pkt., 10c.
- 1725 Tall African Mixed. Large double flowers. ½ oz., 20c; pkt., 5c.
- 1726 Tall French Mixed. Large bushes covered with a multitude of small double flowers. ½ oz., 20c; pkt., 5c.
- 1727 Vaughan's Special Mixture Tall Marigolds. This mixture includes several varieties which we purchased especially for this mixture. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc. ¼ oz., 20c; pkt., 10c.
- 1727a Tall French Striped. Flowers have a yellow ground, with rich brown markings. Pkt., 10c.

Double Dwarf African

- 1728 Mixed (Pride of the Garden). 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes. ½ oz., 25c; pkt., 10c.

Dwarf French Double Sorts 10 in.

- 1731 Gold Striped. Velvety maroon, striped gold. ¼ oz., 20c; pkt., 10c.
- 1732 Dwarf French Double Mixed. Low bushes, covered with small flowers. 1 oz., 35c; ½ oz., 20c; pkt., 5c.
- 1735 Vaughan's Special Mixture of Dwarf Marigolds, Double and Single Varieties. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers. ¼ oz., 20c; pkt., 10c.

Single Dwarf Varieties

- 1736 Gilt Edge. Velvet maroon, edged with yellow. Pkt., 10c.
- 1737 Golden Star. Flowers have golden yellow petals with purple-red streaks radiating from the center. Pkt., 10c.
- 1746 Legion of Honor. Flowers rich golden yellow, marked with velvety brown. Best for edging. ½ oz., 20c; pkt., 5c.
- 1747 Silver King. Light sulphur-yellow, with brown spots. Pkt., 10c.
- 1748 Signata Pumila. A dwarf, compact, bushy plant, with beautiful, delicate, fern-like leaves, densely covered with flowers of bright golden yellow. Pkt., 10c.

Vaughan's Sheep Manure is a safe and excellent fertilizer to enrich the soil in which flowers grow. See Page 117.



Dwarf Nasturtiums

See Page 63 for Description

MARVEL OF PERU—See Mirabilis.

MIGNONETTE (Reseda) □ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

- 1755 Bismarck. The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. $\frac{1}{8}$ oz., 20c; pkt., 10c.
 1757 Golden Queen. Yellow. Pkt., 5c.
 1758 Go'ath. Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 inches long by 2 inches in diameter. $\frac{1}{8}$ oz., 20c; pkt., 10c.
 1760 Grandiflora. Large flowered. $\frac{1}{4}$ lb., 50c; 1 oz., 20c; pkt., 5c.



Mignonette—Giant Machet

MIGNONETTE (Reseda)—Continued

- 1761 Giant White Spiral. Flowers silvery-white. $\frac{1}{4}$ oz., 15c; pkt., 5c.
 1762 Machet. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. $\frac{1}{4}$ oz., 25c; pkt., 10c.
 1766 Pyramidal Large-Flowering. Tall-growing variety. Pkt., 5c.
 1767 White Pearl. Pkt., 10c.
 1770 Mixed. Many shades and types. 1 oz., 25c; $\frac{1}{2}$ oz., 15c; pkt., 5c.

MINA

- 1778 Lobata □ = 12 ft. A climber of luxurious growth, with tube-shaped flowers; produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange-yellow to creamy white when fully expanded. Pkt., 10c.

MORNING GLORY

See Convolvulus and Ipomoea.

MOURNING BRIDE—See Scabiosa.

MIRABILIS □ 2 ft.

(Marvel of Peru or Four O'Clocks)

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such manner as to give the flowers a most bizarre effect. Very charming when used as a hedge plant, rivaling the privet, with its glossy foliage very closely set and dotted all over in the afternoon with a multitude of fairy flowers.

- 1780 Mixed, all sorts and colors. $\frac{1}{4}$ lb., 40c; 1 oz., 15c; pkt., 5c.
 1784 Dwarf Mixed. 12 in. 1 oz., 20c; pkt., 5c.
 1785 Sweet-Scented (Longiflora Alba). White. 1 oz., 30c; pkt., 5c.

MYOSOTIS (Forget-Me-Not)# $\frac{1}{2}$ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daises the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourishes in shady, moist, situations. The national flower of Belgium.

- 1787 Alpestris Blue. Trailing habit. $\frac{1}{8}$ oz., 15c; pkt., 5c.
 1788 Alba. White. $\frac{1}{8}$ oz., 15c; pkt., 5c.
 1789 Rosea. Pink. $\frac{1}{8}$ oz., 15c; pkt., 5c.
 1790 Eliza Fonrobert. Flowers large, sky blue, with clearly defined white eye. $\frac{1}{8}$ oz., 20c; pkt., 10c.
 1791 Victoria. The flowers are large, bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. Pkt., 10c.
 1792 Mixed. $\frac{1}{8}$ oz., 15c; pkt., 5c.
 1794 Star of Love. Distinct variety with large beautiful blue flowers. Pkt., 25c.

MUSA

- 1786 Ensete (Banana Plant) + 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds must be started in hot-bed or on bottom heat in greenhouse. 10 seeds, 20c.

MUSK PLANT—See Mimulus.

NASTURTIUM—See Page 63

NEMESIA □ 1 ft.

Free blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches, where they are intended to flower.

- 1800 Large Flowered Mixed. 1 ft. Is the finest strain of this most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 10c.
 1801 Blue Gem. One of the best blue annuals for bedding; 7 inches. Pkt., 10c.
 1802 Scarlet. Pkt., 15c.
 1803 Orange. Pkt., 15c.

NEMOPHILA (Baby Eyes) □ 6 in.

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out of doors in spring, in patches, where they are to flower.

- 1916 Insignis Blue. A popular plant for pots or borders. 1 oz., 40c; $\frac{1}{4}$ oz., 15c; pkt., 5c.
 1919 Mixed, all colors. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. $\frac{1}{2}$ oz., 15c; pkt., 5c.

NIEREMBERGIA

- 1931 Gracilis □ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt., 5c.

NIGELLA

- 1932 Mixed (Love-in-the-Mist) □ 1½ ft. A compact, free-flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. 1 oz., 15c; pkt., 5c.
 1934 Miss Jekyll. A lovely variety, bearing on long stems large semi-double of a lovely tender blue, nestling in fine feathery foliage. $\frac{1}{2}$ oz., 25c; pkt., 10c.

NOLANA

- 1936 Mixed □ Pretty trailing plant, useful for edging or rockwork. Pkt., 10c.

NYCTERINA

- 1937 Capensis □ 9 in. Charming little plants for pots, edgings and rockwork. White with maroon, delightfully fragrant, flowers opening at night. $\frac{1}{8}$ oz., 25c; pkt., 10c.

Handy weeders and cultivating tools make it easy to keep the weeds out of the annual border. See Page 115.



Myosotis



Tall Growing Nasturtiums

Vaughan's Nasturtiums

DWARF NASTURTIIUMS

TALL NASTURTIIUMS

□ 8 to 10 ft.

They are suitable for a bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers. Sometimes it is desirable, when carrying out a color scheme to use but one variety of Dwarf Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are in rich velvety red.

Few plants are so useful or rich in color as the Nasturtiums. They surpass the Geranium and Calceolaria in brilliancy of color and profusion of bloom; they should be given a dry poor soil, as on a rich or manured ground they are inclined to run to leaf. Where such is the case, lime rubbish should be mixed with the soil. The sorts we enumerate are the most decorative and beautiful of all.

Green and Dark Leaved Varieties

LOBB'S NASTURTIIUMS 6 ft.

- 2305 Aurora. Chrome yellow blotched crimson.
- 2306 Beauty. Scarlet splashed canary.
- 2307 Bronze. Burnt bronze color, dark leaved.
- 2308 Chameleon. Is unique in bearing flowers of quite distinct coloring on one and the same plant.
- 2309 Crystal Palace Gem. Sulphur spotted maroon.
- 2310 David Burpee. Velvety purple-scarlet flowers, foliage wavy emerald green.
- 2311 Empress of India. Very dark leaves, crimson flowers.
- 2312 Go'den King. Pure golden yellow.
- 2313 King of Tom Thumbs. Intense deep scarlet, dark foliage.
- 2314 King Theodore. Velvety red flowers, dark foliage.
- 2315 Laciniatum Mixed. The flowers are deeply lacinated and appear in many attractive colors.
- 2316 Lady Bird. Orange, striped bright scarlet.
- 2318 Pearl. Creamy white.
- 2319 Prince Henry. Yellow marbled with scarlet.
- 2320 Regelianum. Rich crimson.
- 2321 Ruby King. Ruby red, dark leaved.
- 2322 Scarlet. Dark scarlet.
- 2323 Vesuvius. Salmon, dark leaved.
- 2324 Yellow.

- Price, any of above, pkts., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.
- Fancy and Variegated Leaved Varieties**
- 2325 Golden Cloth. The foliage is of bright yellow, while the flowers are intense scarlet.
 - 2326 Ivy Leaved Mixed. Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.

- Price, each of above, pkt., 5c; oz., 15c; ¼ lb., 50c.
- 2328 Queen of Tom Thumbs, Mixed. ¼ lb., 50c; oz., 15c; pkt., 5c.
- 2329 Spencer, Mixed. The curly foliage is very unique and the flowers appear in many bright colors. ¼ lb., 50c; oz., 15c; pkt., 5c.
- 2330 Dwarf Mixed. 1 lb., \$1.00; ¼ lb., 30c; 1 oz., 10c; pkt., 5c.

- 2326 Black Prince. Velvety black flowers, dark foliage.
- 2328 Blushing Beauty. Ivy leaved. Flowers soft yellow, spotted with terra cotta.
- 2329 Cardinal. Scarlet flowers, dark foliage.
- 2361 Firefly. Foliage rich and dark, flowers rosy salmon underlaid with bright golden yellow.
- 2362 Flamingo. Magnificent lacinated orange flowers.
- 2363 Giant of Battles. Sulphur with red.
- 2364 Golden Queen. Pure golden orange.
- 2365 King of the Blacks. Black-red, dark leaves.
- 2366 Napoleon III. Golden yellow, spotted with brown.
- 2368 Princess Victoria Louise. Flowers cream-white, with orange-scarlet blotches, the calyx and spur being of a pure orange-red.
- 2369 Queen Emma. Variegated leaves, deep scarlet flowers.
- 2370 Queen of the Morning. Variegated leaves, flowers aurora colored.
- 2371 Virchow (Rose Queen). The best pink.

- Price, each of the above, oz., 15c; pkt., 5c.
- Lobb's Mixed**
- 2372 The strongest growing, attaining the greatest height. 1 lb., \$1.10; ¼ lb., 35c; 1 oz., 10c; pkt., 5c.
- Tall Mixed**
- 2373 All sorts. 1 lb., \$1.00; ¼ lb., 30c; 1 oz., 10c; pkt., 5c.
- Collection No. 1**
- 2376 Of Dwarf Nasturtiums, 10 Varieties. Our choice. 1 pkt. of each, 35c.
- Collection No. 2**
- 2377 Of Dwarf Nasturtiums, 8 Varieties. Our choice. 1 oz. of each, \$1.00.
- Collection No. 3**
- 2374 Tall Nasturtiums, 10 Varieties. Our choice (10 packets). 1 pkt. of each, 35c.
- Collection No. 4**
- 2375 Tall Nasturtiums, 8 Varieties. Our choice (8 ounces). 1 oz. of each, 50c.
- Ivy-Leaved Nasturtiums**
- All with fine fimbriated petals. Colors intense and very striking. Foliage also very beautiful, like Ivy, and vines exceedingly graceful. For the garden they are superb, but for window culture they are very fine.
- 2377 Ivy-leaved Tall Mixed. Climbing. Pkt., 10c.

TALL NASTURTIIUMS—Continued

Green and Dark-Leaved Varieties

- 2338 Chameleon. Is unique in bearing flowers of quite distinct coloring on one and the same plant.
- 2339 Dunnett's Orange (Sunlight). Bright orange flowers.
- 2340 Edward Otto. Brownish lilac.
- 2341 Fordhook Fashion. Terra cotta on yellow ground, dark leaved.
- 2341a General Jacqueminot. Rich crimson.
- 2342 Heinemann. Chocolate color, odd.
- 2343 Hemisphericum. Orange.
- 2344 Jupiter. Large, rich golden yellow flowers.
- 2345 King Theodore. Rich, deep crimson flowers, dark leaves.
- 2346 Pearl (Moonlight). Creamy white.
- 2347 Prince Henry. Light yellow, marbled scarlet.
- 2348 Shillings. Bright yellow with maroon blotches.
- 2349 Scheuermani. Straw color, spotted.
- 2350 Emperor of India. Very dark foliage. Rich, deep scarlet flowers.
- 2351 Twilight. Bright yellow, marbled salmon rose.
- 2352 Vesuvius. Salmon rose, dark leaved.
- 2353 Von Moltke. Ruby red.

- Price, each of the above, pkt., 5c; oz., 15c.
- Fancy and Variegated-Leaved Varieties**
- 2354 Golden Cloth. Scarlet flowers with yellow foliage.
- 2355 Variegated-Leaved Varieties. These are of the trailing and climbing class with exquisitely beautiful foliage and very showy flowers. Leaves light green, beautifully marbled and blotched with pure white. Makes a striking vine with its bright blossoms of many colors.
- Many colors mixed. Pkt., 10c.

2380 Vaughan's Special Mixture of Tall Nasturtiums. We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety, Lobb's varieties, Canary Bird Creeper and the new variegated-leaved varieties. 1 lb., \$1.50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

Special Offer 2385. 1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

Special Offer 2390. 1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.

2335 Vaughan's Special Mixture of Dwarf Nasturtiums. Dwarf Nasturtiums are most admirably adapted to beds and borders. This mixture is put up by ourselves from named sorts, and contains a large share of the Liliput and the dwarf Chameleon, which have the richest and most varied combination of colors. 1 lb., \$1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

Vaughan's Petunias

Large Single Flowering Varieties

- 2603 Balcony Queen. Rich, velvety violet with white blotches. Pkt., 150 seeds, 25c.
 2604 Balcony White. A beautiful trailing variety. Pkt., 15c.
 2605 Brilliant Rose. Pkt., 150 seeds, 25c.
 2606 Giants of California Mixed. The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt., 200 seeds, 15c.
 2607 Large Flowering White. Flowers are large, pure white like other petunias, it blooms all summer. Pkt., 150 seeds, 20c.
 2608 Triumph of the Giants. The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. Pkt., 250 seeds, 35c.
 2609 Royal Purple. This makes a beautiful combination if planted with the Large Flowering White (see above) or 2604. Pkt., 150 seeds, 20c.
 2610 Giant Empress. Lilac blue with purple veins. Pkt., 25c.
 2611 Large Flowering Fringed Mixed. A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color. Pkt., 200 seeds, 15c.
 2612 Vaughan's Best Mixture Large Flowering Single Petunias. This mixture is made by our selves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as Vaughan's Best. Pkt., 300 seeds, 25c.



Petunia—Vaughan's Best Large Flowering Single, Mixed

PETUNIA □

For freedom of bloom, variety of color and effectiveness these have no equal. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Double Large Flowering Varieties

- 2600 Vaughan's Mixture of Double Petunias. This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollinated and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt., 200 seeds, 30c.

2600a Lady of the Lake. Double white fringed. Pkt., 125 seeds, 25c.

2601 Double Small Flowering Inimitable. Double small flowering blotched and striped. Pkt., 300 seeds, 25c.

2602 Double Small Flowering Rosa Bonheur. Dainty flowers of a beautiful clear rose. Pkt., 300 seeds, 25c.



Single Small Flowering Varieties 1½ ft.

- 2613 Alba. Pure white. ¼ oz., 30c; pkt., 5c.
 2614 Carmine Rose. Pkt., 5c.
 2618 Countess of Ellesmere. Rose with white throat. Pkt., 5c.
 2619 General Dodds. Blood-red. ¼ oz., 25c; pkt., 5c.
 2620 Howard's Star. A beautiful free-flowering strain, color crimson-maroon with a clearly defined five-pointed star of blushing white. For bedding, baskets, vases, etc., this is exceptionally fine. ¼ oz., 40c; pkt., 10c.
 2621 Inimitable. Blotched and striped. ¼ oz., 30c; pkt., 5c.
 2622 Violaacea. Violet blue. Pkt., 10c.
 2623 Venosa. Light red veined. Pkt., 5c.
 2624 Good Mixed. 1 oz., 80c; ¼ oz., 25c; pkt., 5c.
 2625 Finest Mixed. ¼ oz., 25c; pkt., 10c.

Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

- 2631 Carmen Sylva. Baby blue with white throat. Pkt., 10c.
 2632 Improved Rosy Morn. The plants are bushy and compact, the medium size flowers produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds. Pkt., 300 seeds, 25c.
 2632a Norma. Blue with white star. Pkt., 10c.
 2633 Rosy Morn, Ordinary Strain. Pkt., 10c.
 2634 Dwarf Inimitable. Regular white stars on deep old rose ground. Very effective in masses. ¼ oz., 30c; pkt., 10c.
 2636 Snowball. A fine compact sort, producing its pure satiny-white flowers throughout the entire season. ¼ oz., 50c; pkt., 15c.
 2637 Vaughan's Special Mixture of Dwarf Small Flowering Varieties includes all the above and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. ¼ oz., 40c; pkt., 10c.



Petunia—Small Flowering



Nicotiana Affinis

NICOTIANA (Sweet Scented Tobacco

Plant) □ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

1920 Affinis. (Tuberose-flowered Tobacco). A gem for bedding. Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, 2 to 3 feet high; carry their flowers in clusters. One single plant will bear thousands of blooms during the season. The effect in the garden is simply wonderful. Delightfully sweet-scented. Sow seed in boxes or pans in the early spring, and protect from frost and cold winds. Plant out as soon as all danger of frost is over. ¼ oz., 20c; pkt., 5c.

1925 Affinis Hybrida. Splendid hybrids in blue, red and rose, etc., shades. ¼ oz., 15c; pkt., 5c.

1926 Sanderae. A lovely hybrid tobacco of elegant branching habit, and bearing on light, graceful stems great quantities of very beautiful rosy carmine flowers. A valuable border plant from summer to autumn. ¼ oz., 15c; pkt., 5c.

1928 Sanderae Hybrids. All shades. ¼ oz., 15c; pkt., 5c.

NICOTIANA—Continued

1930 Sylvestris. 4 ft. A noble-looking plant of pyramidal habit, with long, tubular, pure white flowers, borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening. ¼ oz., 15c; pkt., 5c.

OENOTHERA

1950 Evening Primrose, Mixed □ ½ to 2 ft. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume. ¼ oz., 15c; pkt., 5c.

1951 Mexicana Rosea. Bright rose. Pkt., 10c.

OXALIS

1955 Rosea □ An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose and delicate pink. Pkt., 10c.

1956 Tropaeoloides. 3 in. Yellow flowers, rich brown foliage. Pkt., 10c.

PASSIFLORA

2592 Coerulea Grandiflora (Passion Flower) ÷ 15 ft. Southern Beauty. A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit. Pkt., 10c.

2593 Gracilis. Blue and white. Pkt., 10c.



Vaughan's Pansies

- 2500 **Adonis.** Light blue with white center. Pkt., 15c.
 2501 **Auricula Colors.** Metallic shades. Pkt., 15c.
 2502 **Azure Blue.** A beautiful shade of sky-blue. Pkt., 15c.
 2503 **Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple. ½ oz., 50c; pkt., 15c.
 2504 **Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. Pkt., 100 seeds, 50c.
 2505 **Bugnot.** Shades of red, bronze and reddish cardinal. Pkt., 20c.
 2506 **Cassiers 3 and 5 Blotched Mixed.** Mostly light shades with dark blotches. ½ oz., 60c; pkt., 20c.
 2507 **Coal Black.** A jet black of truly giant size. Pkt., 15c.
 2507a **Colossa Venosa.** Light, veined shades, large flowers. Pkt., 20c.
 2508 **Emperor Francis Joseph.** Pure white, large blotch of brilliant violet blue on each petal. Pkt., 20c.
 2508a **Emperor William.** Dark navy blue. ½ oz., 50c; pkt., 15c.
 2508b **Fiery Faces.** Yellow and red. Pkt., 15c.

American Legion Collection

GIANT PANSIES

One packet each Ruby Red, Pure White, Violet Blue. Prepaid for 35c.

2535 **Red, White and Blue, mixed** Pkt., 20c.

2515 **Vaughan's International Mixture.** This is and always has been, literally, a World's Best Mixture. Composed of well-rounded, perfect shaped flowers of a wide range of coloring and markings, must have thick, velvety petals with fluted or semi-double edges, and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented, there are also all the possible variations of each one of these. 3 pkts. (600 seeds), 65c; 5 pkts. (1000 seeds), \$1.00; ½ oz., \$1.75; pkt. (200 seeds), 25c.



- 2509 **Mad. Perret.** Lovely shades of pink and rose. ½ oz., 50c; pkt., 15c.
 2510 **Marchal Niel.** Delicate pleasing, cream color. Pkt., 15c.
 2511 **Masterpiece (New Giant Curled or Spencer Pansies).** The petals are crimped and curled so the flowers appear double. ½ oz., 70c; pkt., 25c.
 2512 **Orchid Flowered, Andromeda.** Delicate apple-blossom. Pkt., 20c.
 2513 **Almond Blossom.** Delicate rose. Pkt., 20c.
 2515 **Mammoth.** An odd combination of light greenish yellow ground, with deep purple blotches. Pkt., 20c.
 2517 **Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive. Pkt., 15c.
 2518 **Paris Market.** An improved strain of Trimardeau, with better flowers and more compact habit. ½ oz., 40c; pkt., 10c.
 2519 **Pink.** Fine shades of pink, same as Hydrangea. ½ oz., 50c; pkt., 15c.
 2521 **President McKinley.** Five blotched yellow. Pkt., 15c.
 2523 **Purple.** Very large, rich deep purple. Pkt., 15c.
 2524 **Prince Bismarck.** Light brown colors. Pkt., 15c.
 2525 **Pretiosa.** Each petal has a large blotch of deep violet on crimson background, with white edge. Pkt., 15c.
 2526 **Rosy Morn.** A bright purplish crimson margined with a clear white edge. Pkt., 15c.
 2526a **Ruby Red.** Pkt., 15c.
 2527 **Striped.** Mahogany, striped and flaked white. Pkt., 15c.
 2528 **Trimardeau.** Mixed. ½ oz., 40c; pkt., 10c.
 2528a **Victoria.** Claret red. Pkt., 15c.
 2529 **Violet Blue.** A very pleasing shade. ½ oz., 40c; pkt., 15c.
 2529a **Volcano.** Deep red with five large blotches, very fine. Pkt., 20c.
 2530 **Pure White.** Pure white without blotches. ½ oz., 50c; pkt., 15c.
 2531 **White, With Eye.** Very large. ½ oz., 45c; pkt., 15c.
 2532 **Pure Yellow.** Golden yellow without blotches. ½ oz., 50c; pkt., 15c.
 2533 **Yellow, With Eye.** Immense flowers. ½ oz., 45c; pkt., 15c.
 2534 **Chicago Parks Bedding Mixed.** Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. ¼ oz., 60c; ½ oz., 40c; pkt., 10c.

VIOLA CORNUTA (Tufted Pansies)

3-6 in.

- Flowers all summer from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.
 2546 **Alba.** Large white flowers. Pkt., 10c.
 2547 **Admiration.** Rich violet blue flowers. Pkt., 10c.
 2548 **Blue Perfection.** Pale blue flowers. Pkt., 10c.
 2549 **Lutea Splendens.** Bright yellow. Pkt., 10c.
 2550 **Thuringia.** Dark blue, with white eye. Pkt., 10c.
 2553 **Papilio.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 15c.
 2554 **Vaughan's Improved Scotch Pansies.** Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.
 2555 **Cornuta Mixed.** Pkt., 10c.

2540 **Vaughan's Giant Mixture.** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose-pink shadings and the Masterpiece strain with its delicate veining and ruffled petals. ½ oz., \$1.00; 1 pkt. 250 seeds, 25c; 1 pkt. 125 seeds, 15c.



PENNISSETUM

- 2595 **Longistylum** □ 2½ ft. An Abyssinian grass with long, feathery, beared bristles. ½ oz., 30c; pkt., 10c.
 2596 **Rueppelianum.** The spikes are longer and more graceful. Used to border canna beds. ¼ oz., 20c; pkt., 10c.

PERILLA

- 2597 **Nankinensis** □ 1½ ft. Valuable foliage plant, resembling Coleus, dark mulberry-colored leaves. Seed germinates slowly. Pkt., 5c.



Poppies grown from Vaughan's Special Mixture—Double and Single Poppies

Vaughan's Poppies

POPPIES are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airy poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

Single Annual Poppies

- 2780 Admiral. Glistening white, with a broad band of brilliant scarlet around the edges. $\frac{1}{4}$ oz., 25c; pkt., 10c.
- 2782 Bride. Very large pure white, perfectly formed flowers. Pkt., 5c.

CALIFORNIA POPPY—See Escholtzia

- 2783 Danebrog or Danish Flag. Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross. $\frac{1}{4}$ oz., 15c; pkt., 5c.
- 2783a Flanders Poppy. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Was the first official flower of the American Legion. $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00; pkt., 10c.
- 2784 Hansa. The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson. $\frac{1}{4}$ oz., 15c; pkt., 5c.
- 2785 King Edward. Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Pkt., 5c.
- 2786 Mephisto. Scarlet with black spots. Pkt., 50c.
- 2787 Persian (Laevigatum or Firedragon). Dark scarlet, black spots. Oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 5c.

- 2788 Tulip (Glaucum). Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.

- 2789 Umbrosom. Rich vermilion flowers with a shining black spot on each petal. $\frac{1}{4}$ oz., 15c; pkt., 5c.

- 2790 Shirley, Silk or Ghost. The beautiful satiny flowers ranging in color from delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson, all with white centers. Oz., 30c; lb., \$3.00; pkt., 10c.

- 2791 Miss Sherwood. Flowers shining, satiny white, the half of the corolla being a silky chamois rose. Pkt., 5c.

- 2792 Single Mixed. Oz., 20c; lb., \$1.35; pkt., 5c.

- 2795 Vaughan's Special Mixture, Single Poppies. This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice. $\frac{1}{4}$ lb., 70c; 2 oz., 40c; 1 oz., 25c; pkt., 10c.

- 2797 Eldorado. 2 ft. \square . This poppy is totally distinct and one of the finest novelties in the line of annuals. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Large pkt., 20c; pkt., 10c.

- 2798 Eldorado Salmon Shades. 2 ft. \square . The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. Pkt., 15c.

Double Annual Poppies

- 2800 American Flag. Flowers very large, snow white, scarlet bordered. $\frac{1}{2}$ oz., 20c; pkt., 5c.
- 2801 Fairy Blush. The flowers have the effect of large feathery balls, overcast with a rosy shade. $\frac{1}{4}$ oz., 20c; pkt., 10c.

2796 Vaughan's Special Mixture Double and Single Poppies. Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. 1 oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.

For Iceland and Oriental Poppies—see perennial pages 76 to 81.

- 2802 Giant Double Pure White. $\frac{1}{2}$ oz., 20c; pkt., 10c.
- 2803 Giant Double Pale Yellow. $\frac{1}{2}$ oz., 20c; pkt., 10c.
- 2804 Giant Double Pink. $\frac{1}{2}$ oz., 20c; pkt., 10c.
- 2805 Giant Double Cardinal Red. $\frac{1}{2}$ oz., 20c; pkt., 10c.
- 2807 Giant Double Liiac. $\frac{1}{2}$ oz., 20c; pkt., 10c.



POPPIES, Double Annual—Continued

- 2807a Giant Double Salmon. Pkt., 10c.
 2807b Giant Double Heliotrope. Pkt., 10c.
 2807c Giant Double Plum Violet. Pkt., 10c.
 2809 Mikado. Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum. ½ oz., 15c; pkt., 5c.
 2810 Scarlet King. ½ oz., 20c; pkt., 5c.
 2811 White Swan. Fringed double white. ½ oz., 20c; pkt., 5c.
 2811a Double Shirley. Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.
 2812 Carnation-Flowered Mixture of Double Poppies. Large sized flowers of all shades, many striped. 1 oz., 25c; pkt., 5c.
 2813 Peony-Flowered Mixture. Double ball-shaped flowers of gigantic size. 1 oz., 25c; pkt., 5c.
 2814 Rhoecis Fl. Pl. Double French Mixture. Double form of the Shirley type. 1 oz., 25c; pkt., 5c.
 2815 Double Mixed. Many kinds and colors. ½ oz., 15c; pkt., 5c.
 2828 Vaughan's Special Mixture, Double Poppies. This includes all the above sorts, and will produce charming flowers in an endless variety of colors. ¼ lb., 85c; 1 oz., 30c; ½ oz., 20c; pkt., 10c.

POINCIANA

2775 Gilliesi (Bird of Paradise). ÷. The blossoms are of a rich golden yellow, about 2¼ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. Pkt., 10c.

PORTULACA (Rose Moss) □ 6 in.

This plant will grow and bloom profusely in dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

Large Flowering Single

- 2842 White. 2846 Striped.
 2844 Yellow. 2848 Scarlet.
 2845 Pink.

Each of the above, ¼ oz., 25c; pkt., 5c.

2849 Parana. The flowers are fully twice as large as those of other Portulacas and of the most dazzling purple scarlet, and are producing in the greatest profusion during the entire summer and fall. ¾ oz., 25c; pkt., 10c.
 2850 Single Mixed. 1 oz., 70c; ¼ oz., 20c; pkt., 5c.

Large Flowering Double

- 2854 White. 2856 Pink.
 2855 Yellow. 2858 Scarlet.

Each of the above, pkt., 10c.

- 2860 Double Good Mixture. ¾ oz., 30c; pkt., 5c.
 2865 Double Best Mixture. ¾ oz., 50c; pkt., 10c.



Poppy—Shirley

See Page 66 for Description

PRIMULA CHINENSIS

(Chinese Primrose)

This is one of the most charming winter flowering house plants, and one that is entirely free from insect pests. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

- 2888 Good Mixture of Single Varieties. Pkt., 15c.
 2890 Vaughan's International Mixture. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 100 seeds, pkt., 35c.



Primula—Various Sorts

- 2892 Malacoides ÷ 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.
 2893 Malacoides Rosea. Pkt., 25c.
 2894 Forbesi (Baby Primrose) ÷ 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. Pkt., 15c.
 Primula Auricula and Veris (See Perennials).

Primula Obconica

This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

- 2896 Appleblossom. Pkt. 200 seeds, 25c.
 2897 White. Pkt. 200 seeds, 25c.
 2898 Pink. Pkt. 200 seeds, 25c.
 2905 Obconica Grandiflora Mixed. Good mixture. Pkt. 200 seeds, 15c.

Primula Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ inches in diameter, and are borne in clusters up to four inches across.

- 2906 Gigantea Rosea. A beautiful clear rose. Pkt. 200 seeds, 25c.
 2909 Gigantea Mixed. Pkt. 200 seeds, 25c.

PYRETHRUM

2910 Aureum (Golden Feather) □ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt., 10c.

PYRETHRUM ROSEUM—See Page 86.

RHODANTHE (Everlasting) □ 1 ft.

- 2925 A charming annual; succeeds in a light rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting; mixed colors. Pkt., 10c.
 2926 Manglesi Rose. Bright rose flowers, very graceful, makes a pretty pot plant. Pkt., 10c.
 2927 Maculata Alba. White 2928 Maculata Rosea. Rose, each, pkt., 10c.
 2929 Mixed. Pkt., 10c.

RICINUS (Castor Bean) □

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

- 2932 Cambodgensis. 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 15c; pkt., 5c.
 2934 Panormitanus. 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered. 1 oz., 25c; pkt., 10c.
 2935 Sanguineus. 6 ft. Green leaved, red stems. 1 oz., 10c; pkt., 5c.
 2936 Zanzibariensis Mixed. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz., 15c; pkt., 5c.
 2937 Zanzibariensis Enormis. 1 oz., 20c; pkt., 5c.
 2938 Mixed. Many sorts. Lb., 85c; 1 oz., 10c; pkt., 5c.

ROSE

2940 Polyantha Nana. 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. Pkt., 10c.

RUDEBECKIA

2942 Bicolor Superba (Coneflower) □ 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.



Phlox Drummondii

PHLOX DRUMMONDI

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

Grandiflora Varieties □ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

- 2660 Alba. Pure white.
 2661 Alba Oculata. White with dark eye, a good contrast.
 2662 Atro-purpurea. Black brown.
 2663 Brilliant. Rose with dark eye.
 2664 Carnea. Flesh color.
 2665 Chamois rose.
 2666 Coccinea. Fiery scarlet.
 2668 Coerulea Straita. Blue striped.
 2669 Crown Prince. The flowers are large, salmony scarlet.
 2670 Isabellina. Yellow.
 2671 Kermesina Splendens. Vivid crimson, with white eye.
 2673 Gold Star. Pink with gold star.
 2676 Rosea. Pink. 2681 Violet.
 All the above—¼ oz., 30c; 200 seeds, pkt., 10c.
 2685 Splendid Mixture. 1 oz., \$1.25; ¼ oz., 35c; 250 seeds, pkt., 10c.
 2690 Drummondii Mixed. Good Mixture, oz., 85c; ¼ oz., 25c; pkt., 5c.
 2695 Cuspidata Mixed. Mixture of star-shaped flowers. ¼ oz., 25c; pkt., 10c.
 2727 Semi-Double Varieties Mixed. Pkt., 15c.

Nana Compacta Dwarf 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

- 2735 Fireball. Blood-red. ¾ oz., 35c; pkt., 15c.
 2736 Chamois Rose. Pkt., 10c.
 2740 Snowball. Pure white. ¾ oz., 35c; pkt., 15c.
 2741 Isabellina. Yellow. ¾ oz., 35c; pkt., 10c.
 2742 Sky-blue with white eye. Fine for edging. ¾ oz., 35c; pkt., 15c.
 2745 Nana Compacta, Mixed, all colors. ¾ oz., 30c; pkt., 10c.
 2750 Cecily. Mixed, all colors. Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact. ¾ oz., 35c; pkt., 15c.

American Legion Collection

Phlox—One pkt. each, Red, White and Violet, postpaid for 25c.

2760 Vaughan's Special Mixture Phlox. Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., \$1.60; ¼ oz., 50c; ½ oz., 30c; 250 seeds, 15c.



Salpiglossis

SALPIGLOSSIS □ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

2944 Bright Crimson. 2951 Velvet Violet.
2946 Faust. Black. 2952 Golden Yellow.
2949 Pink.

Each of the above per pkt., 15c.

2953 Gloxiniaflora Mixed □ 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c.

2954 Mixed. Good quality. ¼ oz., 20c; pkt., 5c.

2955 Emperor Mixed. Large improved strain, complete range of colors. ¼ oz., 20c; pkt., 10c.

2960 Vaughan's Special Mixture. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ¼ oz., 35c; pkt., 15c.

**SCHIZANTHUS**

3030 Hybridus Grandiflorus □ 1 ft. (The Poor Man's Orchid.) Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. Pkt., 10c.

3032 Wisetonensis 1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June. Pkt., 25c.

3033 Mixed, all colors. ¼ oz., 15c; pkt., 5c.

SMILAX + = 6 ft.

3040 Makes a fine pot or basket plant. Elegant for table decoration when cut. Pkt., 10c.

SNAPDRAGON—See Antirrhinum

STATICE

A Beautiful Everlasting Flower

3045 Russian (Suvorovi) □ 1 ft. Flowers bright rose color; valuable for winter bouquets. Pkt., 15c.

3046 Bonduelli. Producing numerous heads of bright yellow flowers, valuable for drying, very attractive. Pkt., 10c.

3047 Sinuata Blue. Forming pretty rosettes of foliage from which rise branching flower stems 2½ ft. high, light to dark lavender flowers. Pkt., 10c.

3048 Sinuata Rosea. 3049 Sinuata White. Each, pkt., 10c.

SANVITALIA

3000 Procumbens Fl. Pl. □. 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. ¼ oz., 30c; pkt., 10c.

SALVIA SPLENDENS (Scarlet Sage) □

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

2962 America, or Globe of Fire. This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. Pkt., 25c.

2963 Ostrich Plume. 2 ft. Flowers bright scarlet, and instead of each stem having but one flower spike they produce a cluster not unlike a Celosia. It is quite distinct and comes true from seed. Pkt., 25c.

2964 Fireball. 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

2965 Clara Bedman or Bonfire. 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. ¼ oz., 40c; pkt., 10c.

2966 Drooping Spikes. 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. ¼ oz., 40c; pkt., 10c.

2967 Maroon Prince □. 2 ft. Particularly rich and royal color. A purple violet with a velvety sheen. Pkt., 15c.

2968 Zurich. Early. The plants are dwarf and compact with large brilliant flower spikes. ¼ oz., 45c; pkt., 15c.

2970 Mixed. The above sorts and others. ¼ oz., 35c; pkt., 10c.

2972 Coccinea. 2 ft. Annual scarlet sage. ¼ oz., 20c; pkt., 5c.

2973 Farinacea. 3 ft. Tall spikes of silvery lavender blooms form a dense mass of foliage. ¼ oz., 25c; pkt., 10c.

SCABIOSA (Mourning Bride) 2½ ft. □

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

Large Flowering Double

3010 Snowball. 3016 Azure Fairy.
3012 Golden Yellow. 3017 Cherry Red.
3014 Flesh. 3018 Black Prince.
3015 Fiery Scarlet. 3019 Rose.

Each of the above per pkt. 10c.

3020 Mixed. The above and others, ½ oz., 20c; pkt., 5c.

3025 Vaughan's Special Mixture. Many new colors have been purchased for this, our latest special mixture, and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt., 10c.



SENSITIVE PLANT—See Mimosa

SILENE

3037 Armeria Mixed □ 1½ ft. (Catchfly.) A very showy early-flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Pkt., 5c.

SOLANUM

3042 Capsicastrum Nanum ÷ 2 ft. (Jerusalem Cherry.) Easily grown plants with ornamental fruit. Especially fine for pots. Pkt., 10c.

THUNBERGIA

3512 Alata, Mixed (Black Eyed Susan) □ = 5 ft. A lovely trailing plant with large showy flowers. It will trail over the ground, forming a dense mat of foliage and flowers. Colors range through all shades of yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes, which are very effective. Sometimes called "Black-eyed Susan." Also a superb pot plant and one that will bloom freely during winter. All colors mixed. ¼ oz., 25c; pkt., 10c.



Salvia Splendens

STEVIA

3050 Serrata □ ÷ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 10c.

SUNFLOWER—See Helianthus

TORENIA

3515 Fournieri Grandiflora □ + 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue. They are excellent for beds, pots or hanging baskets. Pkt., 10c.

3517 White Wings. Flowers white with rose throat. Pkt., 10c.

SWEET WILLIAM

See Dianthus Barbatus in Perennial Pages.

VINCA ROSEA (Periwinkle) + 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Seed germinates slowly.

3580 White
3581 Delicata. Soft pink.
3582 White with Eye
3584 Pink

Each of the above, pkt., 10c.

3585 Rosea Mixed. ¼ oz., 25c; pkt., 10c.

VISCARIA

3611 Mixed □ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. Pkt., 10c.

VIRGINIA STOCK

3612 Mixed □ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect. ¼ lb., 60c; oz., 25c; ½ oz., 15c; pkt., 5c.

WALLFLOWER (Goldlack) ÷ 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

3615 Single Mixed. ¼ oz., 15c; pkt., 5c.
3616 Single Annual Blood-Red. Pkt., 10c.
3618 Single Annual Golden Gem. Pkt., 10c.
3620 Double Mixed. Pkt., 15c.
3622 Single Annual Mixed. Pkt., 10c.

WHITLAVIA

3623 Gloxinioideus Blue □ 1 ft. Flowers deep lavender-blue with white throat resembling small Gloxinias. Pkt., 5c.

**American Legion
Collection**

No. 1

Sweet Peas

One pkt. each, King Edward VII., Dorothy Eckford and Mrs. G. Higginson, Jr. for 10c.

No. 2

Spencer Sweet Peas

One pkt. each, King Edward VII. (Red), Constance Hinton (White), Wedgewood (Blue), prepaid for 25c.

3325 Mixed Red, White and Blue. 1 oz., 30c; pkt., 10c.



Vaughan's Sweet Peas

Butterfly or Spencer Varieties

Vaughan's Special Mixture

3310 Spencer Varieties. This mixture is one we make ourselves from named sorts of the late flowering ruffled or spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time if cultural directions are followed in planting seed and subsequent care in watering. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.50.



3315 Spencer Hybrids in splendid mixture. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.80.

3250 Agrícola. Fine large white slightly flushed lilac. Oz., 40c; pkt., 10c.

3251 Alexander Malcolm. Fine cerise toned orange scarlet. Oz., 60c; pkt., 15c.

3252 America. Carmine stripe on white. Oz., 40c; pkt., 10c.

3253 Annie Bownass. Standard and wings deep pure pink, flushed salmon. A coppery salmon. Oz., 60c; pkt., 15c.

3254 Appleblossom. Standard rose, showing veins of deeper rose, wings light carmine, the whole color overspreads on primrose. Oz., 40c; pkt., 10c.

3255 Aurora. Orange rose striped on white. Oz., 40c; pkt., 10c.

3256 Blanche Ferry. Standard bright carmine rose and wings white, suffused and tinted with light pink. Oz., 40c; pkt., 10c.

3257 Blue Monarch. Dark blue. Oz., 40c; pkt., 10c.

3258 Blue Picotee. White, edged violet blue. Oz., 40c; pkt., 10c.

3259 Bolton's Orange. Rich orange salmon self. Oz., 50c; pkt., 15c.

3260 Constance Hinton. Of enormous size. The best white for outdoor planting. Oz., 50c; pkt., 10c.

3261 Countess Spencer. Clear pink deepening somewhat towards the edge. Oz., 40c; pkt., 10c.

3262 Dainty. Large white flower edged with clear rose pink. Oz., 40c; pkt., 10c.

3263 Dobbie's Cream. Deep cream or primrose. Oz., 50c; pkt., 10c.

3264 Dobbie's Lavender Geo. Herbert. Improved Florence Nightingale opens a little mauvish but clears to pure lavender. Oz., 50c; pkt., 10c.

3265 Edith Taylor. Bright salmon rose self. A new shade between salmon and shell pink. Oz., 50c; pkt., 10c.

3266 Elfrida Pearson. Large deep blush waved buds and young flowers having a bronze sheen. Oz., 40c; pkt., 10c.

3267 Empress Eugenie. Soft lavender flake on white. Oz., 40c; pkt., 10c.

3268 Fiery Cross. A new shade of red, Turkey or military red. Oz., 70c; pkt., 15c.

3269 Flora Norton. Light blue. Oz., 40c; pkt., 10c.

3270 Florence Morse. Light pink. Oz., 40c; pkt., 10c.

3271 Florence Nightingale. Lavender. Oz., 50c; pkt., 10c.

3272 George Herbert. Bright rosy carmine. Oz., 40c; pkt., 10c.

3273 Helen Pierce. White marbled and veined blue. Oz., 40c; pkt., 10c.

3274 Hercules. A rich pink flower, waved. Oz., 40c; pkt., 10c.

3275 Illuminator. Bright salmon, cerise sparkling with orange. Oz., 50c; pkt., 10c.

3276 Jean Ireland. Beautiful cream color edged with deep pink. Oz., 40c; pkt., 10c.

3277 King Edward VII. Rich waved crimson. Oz., 40c; pkt., 10c.

3278 King Manoel. Giant chocolate maroon self. Oz., 50c; pkt., 10c.

3279 King Mauve. Mauve self. Oz., 50c; pkt., 10c.

3280 King White. Produces gigantic flowers absolutely pure white. Oz., 50c; pkt., 10c.

3281 Loyalty. Blue striped waved. Oz., 40c; pkt., 10c.

3282 Margaret Atlee. Apricot pink on cream ground. Oz., 40c; pkt., 10c.

3283 Margaret Madison. Clear pale blue self. Oz., 40c; pkt., 10c.

3294 R. F. Felton. The best lavender. Oz., 50c; pkt., 10c.

3295 Rosabelle. A very large bright waved rose. Oz., 40c; pkt., 10c.

3296 Royal Purple. The best purple. Oz., 50c; pkt., 10c.

3297 Senator. Claret and chocolate stripe on light heliotrope ground. Oz., 40c; pkt., 10c.

3298 Sincerity. A fine scarlet cerise flower. Oz., 40c; pkt., 10c.

3299 Stirling Stent. A bright salmon colored flower. Oz., 50c; pkt., 10c.

3300 The Cardinal. Brilliant poppy scarlet. Oz., 50c; pkt., 10c.

3301 The President. Brilliant rich dazzling orange scarlet. Oz., 40c; pkt., 10c.

3302 Thomas Stevenson. Rich orange scarlet. Oz., 50c; pkt., 10c.

3303 Vermilion Brilliant. A brilliant scarlet Spencer. Oz., 40c; pkt., 10c.

3304 Warrior. Rich chocolate maroon. Oz., 50c; pkt., 10c.

3305 Wedgewood. A clear azure blue. Oz., 50c; pkt., 10c.

Large Flowering and Unwin

3200 America. Blood-red, striped white. ¼ lb., 50c; oz., 15c; pkt., 5c.

3201 Black Knight. Dark maroon. ¼ lb., 50c; oz., 15c; pkt., 5c.

3202 Blanche Ferry. Pink and white. ¼ lb., 40c; oz., 15c; pkt., 5c.

3203 Dainty. White with pink picotee edge. ¼ lb., 40c; oz., 15c; pkt., 5c.

3204 Dorothy Eckford. One of the best whites. ¼ lb., 50c; oz., 15c; pkt., 5c.

3205 Flora Norton. A very bright blue. ¼ lb., 50c; oz., 15c; pkt., 5c.

3206 Gladys Unwin. Pale rosy pink. ¼ lb., 50c; oz., 15c; pkt., 5c.

3207 Hon. Mrs. E. Kenyon. Light primrose self. ¼ lb., 50c; oz., 15c; pkt., 5c.

3208 Janet Scott. Deep rich pink. ¼ lb., 50c; oz., 15c; pkt., 5c.

3209 King Edward VII. Fine scarlet. ¼ lb., 50c; oz., 15c; pkt., 5c.

3210 Lady Grisel Hamilton. Lavender. ¼ lb., 50c; oz., 15c; pkt., 5c.

3211 Lord Nelson. Richer than Navy Blue. ¼ lb., 50c; oz., 15c; pkt., 5c.

3212 Miss Willmott. Orange pink. ¼ lb., 50c; oz., 15c; pkt., 5c.

3213 Mrs. George Higginson, Jr. Blue. Oz., 15c; pkt., 5c.

3214 Navy Blue. Deep violet blue. ¼ lb., 50c; oz., 15c; pkt., 5c.

3215 Othello. Deep maroon. ¼ lb., 50c; oz., 15c; pkt., 5c.

3216 Prima Donna. Soft pink. ¼ lb., 40c; oz., 15c; pkt., 5c.

10 Best Sweet Peas

3320 Each year this collection is revised, newer varieties being included as the older ones are dropped.

- | | |
|------------------------------|--------------------------------|
| White—Eva | Purple—Royal Purple |
| Orange-scarlet—The President | Dark Maroon—Warrior |
| Blush Pink—Elfrida Pearson | Lavender—Lavender Geo. Herbert |
| Pink and White—Blanche Ferry | Cream—New Buttercup |
| Rose—Rosabelle | Deep Pink—Hawmark Pink |

Price one (regular size) packet of each for 50c. If purchased separately would cost \$1.30.

We cannot make any change in varieties.

3284 Marks Tey. Violet with bronze wings. Oz., 40c; pkt., 10c.

3285 Mascot's White. A large waved white of good substance. Pkt., 25c.

3286 Masterpiece. Clear lavender self, slightly flushed rose on standard. Oz., 50c; pkt., 10c.

3287 Mrs. Cuthbertson. Standard is light rose pink, wings white flushed pale rose pink. Oz., 40c; pkt., 10c.

3288 Mrs. Hugh Dickson. A pale salmon pink on cream ground, strong grower. Oz., 40c; pkt., 10c.

3289 Mrs. W. J. Unwin. White ground, glowing orange scarlet flakes and stripes. Oz., 40c; pkt., 10c.


3290 New Buttercup. A deep cream. Oz., 40c; pkt., 10c.

3292 New Miriam Beaver. Soft shell salmon pink on cream ground lightly overlaid with soft hydrangea pink. Oz., 50c; pkt., 10c.

3293 Nubian. Fine chocolate self waved. Oz., 50c; pkt., 10c.

(Continued on next page.)


SWEET PEAS—Continued

- 3350 Mrs. William Sim. Apricot pink. Oz., 80c; pkt., 10c.
- 3351 Othello. Rich deep maroon. Oz., \$1.00; pkt., 15c.
- 3352 Pink and White. Blanche Ferry type, extra. Oz., 80c; pkt., 10c.
- 3353 Princess. Clear lavender. Oz., 80c; pkt., 10c.
- 3354 Robin Red Breast. Bright orange scarlet. Pkt., 25c.
- 3355 Rose Charm. Bright rose, same color as Rosabelle in the late Spencer class. Pkt., 25c.
- 3356 Rose Queen. A splendid commercial pink. Oz., \$1.00; pkt., 15c.
- 3357 Song Bird. Pale pink with a distinct tint of buff. Oz., 80c; pkt., 10c.
- 3358 Songster. Giant early lavender. Oz., \$1.20; pkt., 20c.
- 3359 Spring Maid. Light pink on a cream ground. Oz., 80c; pkt., 10c.
- 3360 Snow Flake. This is the best early-flowering white-seeded Spencer. Oz., 80c; pkt., 15c.
- 3361 Snow Storm. Improved. A good early pure white. Oz., \$1.20; pkt., 15c.
- 3362 The Beauty. The color is a very dark fiery rose. Oz., \$1.00; pkt., 15c.
- 3363 Venus. Standard white, slightly blushed pink wings. Oz., 80c; pkt., 10c.
- 3364 Warbler. Rich mauve purple. Oz., 80c; pkt., 10c.
- 3365 Wedgewood. Magnificent clear blue. Oz., 80c; pkt., 10c.
- 3366 White Orchid. White flowers of good substance. Oz., 80c; pkt., 10c.
- 3367 Yarrowa. The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings. Oz., 60c; pkt., 10c.
- 3368 Zvolanek's Blue. Very large, of the brightest blue, or Blue Jay color. Oz., \$1.00; pkt., 15c.
- 3370 Vaughan's Special Mixture Winter Spencer, made up of best white, pink, rose, lavender pink and white and blue. Oz., \$1.40; 

Mixed Sweet Peas in Separate Shades

- For such as prefer to grow the various colors separate, we have arranged the following mixtures out of the finest named sorts:
- 3225 Pink Shades. Light to deep pink.
 - 3226 Red Shades. Bright rose to dark scarlet.
 - 3227 Lavender and Blue Shades. Pale lavender to mauve.
 - 3228 Purple and Maroon Shades. All the dark colors.
 - 3229 White and Primrose Shades. All the delicate tints.
- Each of the above, ¼ lb., 50c; oz., 15c.
- 3230 Collection, one oz., each of the five separate shades, 60c.

Sweet Peas in Mixture

- 3235 Eckford's Mixture. Contains some of each of the entire list of varieties and cannot fail to give satisfaction. Lb., 85c; ¼ lb., 25c; oz., 10c; pkt., 5c.
- 3240 Sweet Peas, Vaughan's Prize Mixture. The daintiest colors of all the Spencers. Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continual joy. 1 lb., \$1.50; ¼ lb., 40c; oz., 15c; pkt., 10c. 

STOCKS—Large Flowering

(Levkoben)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

- This class is a favorite for outdoor bedding.
- 3051 White
 - 3052 Canary Yellow
 - 3053 Flesh
 - 3054 Brilliant Rose
 - 3055 Crimson
 - 3056 Light Blue
 - 3057 Mauve
 - 3058 Dark Blue
- Each of the above, pkt., 10c.
- 3060 Fine Mixed. ¼ oz., 20c; pkt., 5c.
 - 3070 Best Mixed. ⅓ oz., 35c; pkt., 10c.



Scabiosa

See Page 68 for Description

SWEET PEAS—Continued

Early Flowering Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period.

- 25 seeds in a packet except where noted.
- 3330 Amethyst. This is the nearest to Royal Purple in color in the early flowering class. Oz., \$1.00; pkt., 15c.
- 3331 Apricot Orchard. A delightful and charming shade. Oz., 80c; pkt., 10c.
- 3332 Asta Ohn. A clear lavender. Oz., 80c; pkt., 10c.
- 3333 Aviator. This is to our knowledge the best scarlet winter flowering sweet pea. Oz., \$1.00; pkt., 15c.
- 3334 Blue Bird. A charming mid-blue self. Oz., 80c; pkt., 10c.
- 3335 Cherry Ripe. Glowing cherry or salmon-rose self. Oz., 80c; pkt., 10c.
- 3336 Columbia. This is the most profitable pink and white winter-flowering Sweet Pea. Oz., \$1.30; pkt., 20c.
- 3337 Cream. Identical in color and size of blossom to Dobbie's Cream. It has immense blossoms very frilled and duplexed. Oz., 80c; pkt., 10c.
- 3338 Fire King. Deep orange scarlet. Oz., \$1.00; pkt., 15c.
- 3339 Glitters. Standard a bright, fiery orange and the wings deep orange. Oz., \$1.00; pkt., 15c.
- 3340 Gorgeous. Charming soft salmon cerise. Oz., \$1.00; pkt., 15c.
- 3341 Heather Bell. The color is a rich but pleasing mauve. Oz., 80c; pkt., 10c.
- 3342 Hercules. Of the same lovely shade as Countess Spencer. Oz., \$1.00; pkt., 15c.
- 3343 Liberty. Brilliant red. Oz., 80c; pkt., 10c.
- 3344 Melody. Rose pink on white ground. Oz., 80c; pkt., 10c.
- 3345 Miss Louise Gude. One of the largest and best in the shell pink class. Oz., \$1.00; pkt., 15c.
- 3346 Morning Star. Deep orange scarlet or flame color in standard, with rich orange pink wings. Oz., 80c; pkt., 10c.
- 3347 Mrs. A. A. Skaach. Flowers bright shell pink. Oz., 80c; pkt., 10c.
- 3348 Mrs. Chas. A. Zvolanek. One of the largest and best clear lavenders. Oz., \$1.00; pkt., 15c.
- 3349 Mrs. M. Spanolin. Black-seeded white. Oz., 80c; pkt., 10c.



Verbena—Vaughan's Best Mixed

See Page 71 for Description

STOCKS—Continued

Giant Perfection "Cut and Come Again" 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw our numerous side branches, all bearing very double, fragrant flowers.

- 3075 White
- 3076 Canary Yellow
- 3078 Pink
- 3080 Scarlet
- 3082 Light Blue
- 3084 Dark Blue

Each of the above, pkt., 10c.

- 3085 Giant Perfection Mixed. ⅓ oz., 40c; pkt., 10c.

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size.

- 3090 White
- 3091 Monte Carlo. Yellow.
- 3092 Azure Blue
- 3094 Abundance. Brilliant lilac rose.
- 3095 Empress Augusta Victoria. Silvery lilac.
- 3096 Pink
- 3097 Crimson
- 3098 Old Rose Improved
- 3099 Dark Violet

Each of above, pkt., 10c.

- 3102 Beauty of Nice Mixed. Pkt., 10c.

Bismarck 2½ ft.


If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

- 3105 White
- 3106 Lilac
- 3107 Rose
- 3108 Gold Ball

Each of the above, pkt., 15c.

Emperor or Winter 2 ft.

These are useful in planting in California outdoors.

- 3109 Large Flowering White Lady. White. Pkt., 15c.
- 3110 Empress Elizabeth. Brilliant carmine rose. Pkt., 15c.
- 3111 Winter Stocks Mixed. Pkt., 15c.
- 3131 Vaughan's Special Mixture of Stocks. Contains all the above and many others not catalogued.  Pkt., 15c.

American Legion Collection

VAUGHAN'S STOCKS

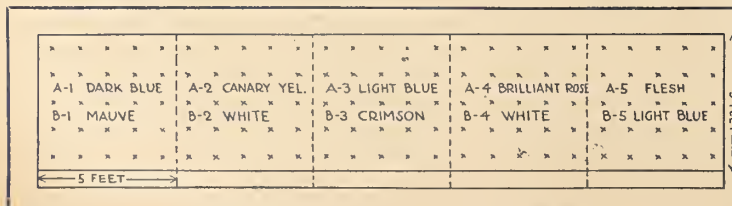
One 10c packet each Red, White and Blue of any variety, prepaid for 25c.

Color Scheme Border of Stocks

Two Combinations

Collection A 70.—One packet each of Dark Blue, Canary Yellow, Light Blue, Brilliant Rose and Flesh, Ten Weeks Stocks sufficient to plant "A" arrangement of border diagrammed. Sent postpaid for 40c.

Collection B 70.—One packet each of Mauve, Crimson, Light Blue and two packets of White, Ten Weeks Stocks sufficient to plant "B" arrangement of border diagrammed. Sent postpaid for 40c.



ZINNIAS

The most gorgeous annuals with a wonderful range of color. Beautiful old rose, dainty cream, striking red and brilliant yellow flowers of velvety texture, extremely double with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. The Colossal produce such enormous blooms they appear as greenhouse Chrysanthemums that have mistaken their time and place of flowering. If you plant but one annual, plant this. The plants may be taken up when in full bloom and transplanted without any visible effect.

Elegans Fl. Pl. Double Flowered

□ 2½ ft.

- 3701 Alba. White.
 - 3702 Appleblossom; pkt., 10c.
 - 3703 Burnt Orange; pkt., 10c.
 - 3704 Isabellina. A beautiful cream yellow; pkt., 10c.
 - 3705 Golden Yellow 3708 Old Rose
 - 3706 Flesh Color 3709 Scarlet
 - 3707 Rose Shades
 - 3710 Jacqueminot. Blood-red; pkt., 10c.
 - 3711 Violet
 - 3712 Zebra Striped; pkt., 10c.
 - 3713 Lilac
- Each of above, except where noted, ¼ oz., 25c; pkt., 5c.
- 3714 Double Good Mixed. 1 oz., 40c; ½ oz., 25c; pkt., 5c.

New Giant Flowered or Colossal 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

- 3715 White 3720 Scarlet
 - 3716 Golden Yellow 3721 Violet
 - 3717 Sulphur Yellow 3722 Purple
 - 3718 Flesh Color 3723 Pink Shades
 - 3719 Orange 3724 Cream
- Each of the above, ¼ oz., 30c; pkt., 10c.
- Special offer (B) Zinnias, any 6 pkts. of above for 50c.
- Special offer (C) Zinnias, any 10 pkts. for 80c.

VERBENA

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lillies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost. A carefully selected and improved strain of Verbenas.

Hybrida

- 3525 Defiance. A real intense scarlet. Pkt., 10c.
- 3526 Dark Blue with White Eye. Very showy. Pkt., 10c.
- 3527 Lutea. Yellow. Pkt., 10c.
- 3529 Striped. Mostly light colors with red and blue stripes. Pkt., 10c.
- 3535 Good Mixed. 1 oz., 80c; ½ oz., 15c; pkt., 5c.

Mammoth Types

- The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.
- 3542 White. Dense heads of finely shaped white flowers. Pkt., 10c.
 - 3544 Mayflower. Various shades of pink. Pkt., 10c.
 - 3545 Striped, White on Red Ground. Pkt., 10c.
 - 3547 Firefly. Intense red. ½ oz., 35c; pkt., 10c.
 - 3549 Purple. Dark purple. Pkt., 10c.
 - 3550 Mammoth Mixed. Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple. ¼ oz., 40c; pkt., 10c.

- 3724a Savoja. Extremely large, double globular flowers, whose single petals are turned upward and form little channels. The color is a singular mixture of yellow and red; the external petals begin with a nice dark red, melting gradually to the centre in golden-yellow. This may be best described as salmon-orange. Pkt., 10c.
- 3725 Vaughan's Colossal Zinnias, Mixed. The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors. ¼ oz., 25c; pkt., 10c.
- 3726 Double Crested and Curled. The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias. ¼ oz., 25c; pkt., 10c.

Liliput Double 12-in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

- 3728 Scarlet Gem. Pkt., 10c.
- 3729 White Gem. Pkt., 10c.
- 3730 Golden Gem. Pkt., 10c.
- 3731 Liliput Mixed, all colors. ¼ oz., 25c; pkt., 10c.

Pumila Double 18-in.

Extra double flowers, produced on regular dwarf plants.

- 3732 Snow Ball. Pkt., 10c.
- 3733 Golden Ball. Pkt., 10c.
- 3734 Pink Ball. Pkt., 10c.
- 3735 Fire Ball. Pkt., 10c.
- 3736 Pumila Mixed, all colors. ¼ oz., 25c; pkt., 10c.

VERBENA—Continued

- 3551 Hybrida Gigantea. A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive. ½ oz., 35c; pkt., 15c.
- 3555 Vaughan's Best Mixture. It includes the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz., \$3.00; ¼ oz., 50c; large packet, 25c; packet 125 seeds, 15c.
- 3556 Dwarf Mixed. 6 in. Good for edging, making an even carpet of blossoms and leaves. Pkt., 15c.
- 3557 Citriodora (Lemon Scented Verbena) - 3 ft. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.
- 3558 Erinoides. Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue. Pkt., 10c.
- 3559 Erinoides Alba. Of the same character as above, but with white flower heads, very pretty. Pkt., 10c.
- 3561 Venosa 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers. Pkt., 10c.



Zinnia—Colossal Mixed

ZINNIAS—Continued

- 3745 Red Riding Hood 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. ¼ oz., 35c; pkt., 10c.
- 3750 Mexicana Hybrida 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty. ¼ oz., 50c; pkt., 15c.
- 3755 Mexicana Fl. Pl. 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging This plant deserves wide cultivation. ¼ oz., 25c; pkt., 10c.
- 3756 Mexican Fl. Pl. Double mixed. Pkt., 10c.

American Legion Collection

VERBENA

One packet each, Firefly, Mammoth White and Dark Blue with White Eye, for 25c.

XERANTHEMUM

- 3765 Double Mixed □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. ¼ oz., 30c; pkt., 10c.

ZEa

- 3770 Japonica Quadricolor Perfecta □ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red. Pkt., 5c.

WILD FLOWER GARDEN

- 3775 A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb., 85c; ¼ lb., 25c; 1 oz., 10c.

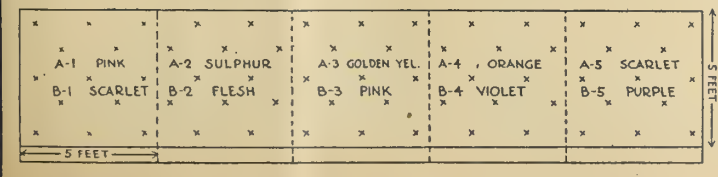
Bone, blood and potash is rich, well balanced fertilizer. It will increase the size and hasten the maturity of your annuals. See page 117.

Color Scheme Border of Colossal Zinnias

Two Combinations

Collection A71. One packet each of Pink, Sulphur, Golden-yellow, Orange and Scarlet Colossal Zinnias, sufficient to plant "A" arrangement of border as diagrammed. Sent postpaid for 40c.

Collection B71. One packet each of Scarlet, Flesh, Pink, Violet and Purple Colossal Zinnias, sufficient to plant border as diagrammed, using "B" arrangement. Sent postpaid for 40c



VAUGHAN'S GLADIOLI



Baron J. Hulot



Detroit



Schwaben



Mrs. Frank Pendleton



Vaughan's White—1922 Introduction



Martha Washington

Vaughan's Gladiolus Novelties of 1921-22

*VAUGHAN'S WHITE, 1922

This splendid white, the best we have seen, is earlier and larger than Europe and as prolific as America. The bulblets germinate well. It is a thrifty and vigorous grower with a medium stalk and many well-placed flowers open at once. Flower is a good, clear white with no throat markings.

Price, prepaid, each, \$2.00; per doz., \$20.00.

* THE DETROIT

A giant flower with orchid colorings. Fully developed flowers measure five inches across. The color is a light pink with deeper pencillings of light crimson on the inside and outside of the upper petals, and with carmine splashes overlaying sulphur on the center third of the lower petals. The flower spike is long with 13 flowers to the spike.

Price, each, prepaid, \$1.00; doz., \$10.00.

* PONTIAC—Princes

Giant Seedling of Princes. Considerably lighter red. Very large flower with Princes throat markings. Petals slightly striped with deep vermilion stalk as strong as Schwaben and a taller grower than King.

Price, prepaid, \$1.00; doz., \$10.00.

STANDARD AND BEST VARIETIES OF RECENT YEARS

* FIELD MARSHAL HAIG

A very attractive shade of light salmon-pink with ox-blood-red blotches. Medium in season, flowering in about 85 days from planting. Habit erect, with a good well opened flower spike with often eight to ten flowers showing at one time at its prime. The ruffled edges put the variety in the desirable novelty class in form as well as color. This variety does well in a cool or moist soil.

Price, prepaid, each, 45c; doz., \$4.50.

* MARY BLACKMAN

The striking effect is produced by the rich maroon blotch on the three lower petals. Flowers a beautiful shade of salmony red; the lower petals finely feathered and pencilled at the base with carmine on a rich golden-yellow.

Price, prepaid, each, 20c; doz., \$2.00.

SCHWABEN, The Giant Yellow

Largest in stem and in its giant broad leaves of all popular kinds, many of the bulbs producing two or three flowering stalks which very often produce side branches. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time.

Price, prepaid, each, 12c; doz., \$1.25; 25 for \$24.00.

GLADIOLI are the most attractive and useful for cut flowers of all the summer flowering bulbs. They give you giant spikes of perfect blooms with wonderful colors in fascinating profusion. The colorings often change as each flower and spike opens fully.

We grow over one hundred acres of these bulbs and harvest many hundreds of thousands, developing every year scores of new Hybrid Seedlings which surprise even our own trained men with their new types and giant blooms in novel colors.

The long graceful spikes carrying often twenty buds may be cut as the first lower flower opens. Placed in water each successive bud develops a perfect flower.

Plantings each ten days from April to mid June will provide flowers from August to October. Planting directions given free on request.

Parcel Post 12 bulbs weigh 1 lb.; 100 bulbs 6 lbs. Add postage at zone rates. All prices on this page include prepayment through 5th zone. For further points add 5 cents per dozen.

* MRS. H. A. CAESAR

This is a cross of America with Sunbeam. Its habit of growth is more robust than America and with same flowering season. The length of spike is about the same, but it produces more buds, frequently showing five to eight open flowers, well placed on the spike. The color is a beautiful lavender shading to lilac with a yellow dash in the lower petals.

Price, prepaid, \$1.00; doz., \$10.00.

* MARTHA WASHINGTON

Flowers light red, but with dark, almost black blotches on the three lower petals. They set evenly and regularly on the stalk, which usually contains about 13 to 15 flowers, with 5 or 6 open at a time.

Price, each, prepaid, 35c; doz., \$3.50.

* PRIMULINUS "SUNBEAM"

This variety, which was introduced in 1914 is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. The graceful form of the Primulinus type insures its popularity in the Decorative Class. Color, clear yellow, long slender spike.

Price, prepaid, each, 15c; doz., \$1.50; 25 for \$2.75.

* MRS. FRANCIS KING

This has become the most popular and effective variety for window, store and hotel decorations. The long, strong flower stalks and foliage, its effective flower spike with a good line of reserve buds continually opening, with flower 1 1/2 inches across, five to six flowers will spread out on the spike at the same time.

Large bulbs, prepaid, each, 8c; doz., 75c; 25 for \$1.25; Medium bulbs, each, 5c; doz., 50c; 25 75c. Not prepaid, 100 large bulbs, \$4.00; medium, 100, \$2.75.

MRS. FRANK PENDLETON

One of the most exquisitely colored Gladiolus in our entire list. The color is a delicately flushed salmon-pink, the color extending to the reverse side of the petal as well as in the center. The blooms are large, wide open and arranged gracefully on slender strong stems.

Each, prepaid, 10c; doz. \$1.00; 25 for \$1.75.

BARON J. HULOT

Dark velvety purple. Best known blue Gladiolus yet introduced. Include this blue in your collection.

Each, 12c; doz., \$1.25; 25 for \$2.40, postpaid.

* Introduced by Vaughan's Seed Store

* MARGARET

A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong, never twisted or deformed. The flowers are large beautifully arched and 6 to 7 are open at one time. They are arranged in two rows, facing the same way, and not crowded. Cut spikes will last ten days.

Price, prepaid, each, 25c; doz., \$2.50; 25 for \$4.75.

* MRS. W. S. BREWSTER

The color is white, overlaid blush, blotched brilliant red with a creamy halo; the whole forming a most pleasing blend entirely distinct and unique. The flowers are large, produced in a double row with six open at a time all facing one way in a shapely compact spike. It is an early flower, 4 feet. Good keeper.

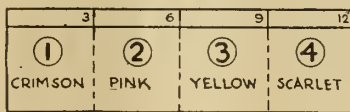
Price, prepaid, each 50c; doz. \$5.00.

* RUFFLED GLORY

Delicate pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide open, paired flowers, all face in the same direction and are carried on straight, stout 3 1/2-ft. stalks. Each petal is exquisitely ruffled.

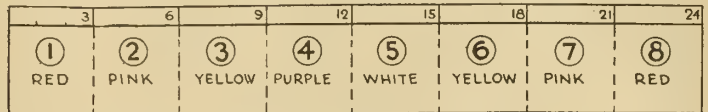
Each, 15c; doz., \$1.50; 25 for \$2.75.

Vaughan's Color Scheme Borders of Gladioli



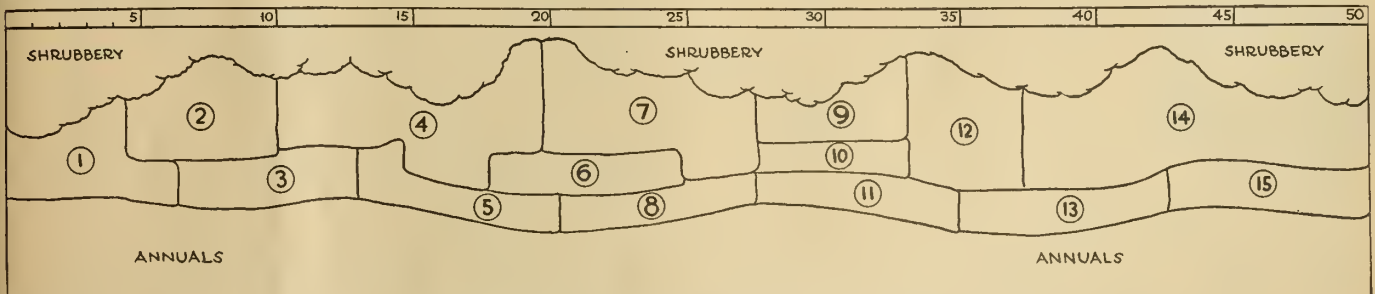
Special Offer 731—\$4.00, Prepaid

One hundred blooming-size bulbs, sufficient to plant the above border, 3x12 feet, will be sent prepaid for \$4.00. Four distinct named varieties of our selection will be given, twenty-five bulbs each, of the colors shown in the border plan, viz.: 1, 25 crimson; 2, 25 pink; 3, 25 yellow, and 4, 25 scarlet.



Special Offer 732—\$10.00, Prepaid

Two hundred blooming-size bulbs, sufficient to plant the above border, 3x24 feet, will be sent prepaid for \$8.00. Eight distinct named varieties of our selection will be given, twenty-five bulbs each, of the colors shown in the border plan, viz.: 1, 25 red; 2, 25 pink; 3, 25 yellow; 4, 25 purple; 5, 25 white; 6, 25 yellow; 7, 25 pink; 8, 25 red.



Special Offer 733—\$40.00, Prepaid

Four hundred and fifty bulbs of the following fifteen named varieties, sufficient to plant the above border, will be sent prepaid for \$40.00.

Location	No. of	Location	No. of	Location	No. of	Location	No. of
No.	Variety used	Color	Bulbs	No.	Variety used	Color	Bulbs
1	Gov. Hanley	Red	25	5	L'Immaculee	White	25
2	Chicago Salmon	Pink	25	6	Baron Hulot	Purple	25
3	Schwaben	Yellow	25	7	Ruffled Glory	Pink	50
4	Mrs. Pendleton	Pink	50	8	Panama	Pink	25
				9	Chicago Red	Red	25
				10	Hyde Park	White	25
				11	War.	Red	25
				12	Canary Bird	Yellow	25
				13	Pink Perfection	Pink	25
				14	Evelyn Kirkland	Pink	50
				15	Niagara	Yellow	25



HALLEY



ATTRACTION

	Each	All Prepaid Doz.	25
ALCAZAR. Rose color, amaranth red blotch.....	\$0.75		
ALCIBIADE. Blood-red color, petals blotched, white edged lilac.....	.35		
ALINE. Pure white, slightly striped crimson.....	.15	\$1.50	\$2.75
AMARYLLIS. Blood-red flower, giant size.....	.15	1.50	2.75
AMERICA. Soft lavender pink. Large Bulbs.....	.08	.75	1.25
Medium Bulbs. All good bloomers.....	.05	.50	.75
ANNA EBERIUS. Dark velvety purple, throat deeper	.35	3.50	6.75
ANNIE WIGMAN. Pale yellow, dark blotch.....	.10	1.00	1.85
ARIZONA ROSE. Pink, dark throat.....	.20	2.00	
ARAMIS. Currant red, creamy white blotch.....	.50		
ARISTOPHANES. Pure salmony-rose, white hand in the center of each petal and straw-colored blotch.....	.75	7.50	
ATTRACTION. Deep crimson, with large white center	.10	.75	1.25
AUGUSTA. Pure white, blue anthers. Large Bulbs.....	.10	.85	1.50
Medium Bulbs. All good bloomers.....	.07	.65	1.25
AUTUMN QUEEN. Color cream yellow suffused with pink with carmine strip.....	.12	1.25	2.40
BARON J. HULOT. The leading purple variety.....	.12	1.25	2.40
BERTRAX. Pure white flowers of good substance.....	.15	1.50	2.75
BLACK PANSY. Rich dark red Pansy-like throat.....	.20	2.00	3.50
BLANCHE. French, white, pink tint.....	.25	2.50	4.75
BOGUETTE DE FEE. Rosy white, striped carmine-rose.....	.75		
BOUQUET d'OR. Cream yellow suffused pink with deep cherry-red, yellow blotch.....	.10	1.00	1.75
BYRON L. SMITH. Beautiful lavender pink on white ground, an orchid shade.....	.75	7.50	
CANARY BIRD. Clear canary yellow.....	.15	1.50	2.75
CANICULE. Clear scarlet red, creamy-white blotch.....	.75	7.50	
CASSILDA. Salmony rose, carmine-red blotch.....	1.00	10.00	
CHARMER. Soft mauve-pink, blending off lighter in the throat which is penciled carmine-lake with a large blotch of same color on lower petals.....	.12	1.25	2.40
*CHAS. L. HUTCHINSON.—The color of the flowers is a rich blood-red, the middle rib of each petal being a shade deeper with a velvety lustre. Free-flowering.....	1.50		
*CHICAGO RED. Brilliant scarlet, large, opens well.....	.10	1.00	1.85
*CHICAGO SALMON. Clear Salmon with carmine.....	.15	1.50	2.75
*CHICAGO WHITE. White, lavender marking in throat.....	.10	.75	1.40
CONTRAST. Large scarlet with white center. One of the very earliest, valuable for florists.....	.50	5.00	
COUNTESS OF ANNESLEY. Salmon-red, striped rose red blotch.....	.30		
CRACKER JACK. Dark red throat spotted yellow, maroon.....	.10	1.00	1.75
CRYSTAL WHITE. One of the few pure whites.....	.10	.90	1.75
CYNOSURE. Deep rose-pink.....	.10	1.00	1.85
DAWN. Salmon shading to claret stain in throat.....	.50	5.00	
DAZZLER. Magnificent large Princes-like flowers of vivid salmon-scarlet with throat blotch of red-orange on lower petals, further ornamented with carmine-lake flakes; fine long spikes well-filled.....	1.00	7.50	
DESDEMONE. Ashy-rose striped lilac; large dark red blotch, edged Ivory-white. Immense spike of very large double-row flowers well placed.....	.30	3.00	5.75
ELIZABETH KURZ. Pure white with faint marking.....	.10	1.00	1.85
EMPRESS OF INDIA. Rich dark maroon.....	.15	1.50	2.75
EUROPA. A large pure white, much substance; will crowd out all other whites.....	.30	3.00	5.75
EVELYN KIRTLAND. A beautiful shade of rosy pink, darker at the edges, fading to shell-pink at the center with brilliant scarlet blotches on lower petals; the entire flower showing a glistening, sparkling lustre. Very tall spike.....	.15	1.50	2.75
E. J. SHAYLOR. Tall beautiful pure deep rose-pink	.50	5.00	
FASCINATOR. Splendid large flowers of salmony-pink tinted with flakes of carmine, throat bluish with carmine-lake pencillings, long spike, graceful.....	.15	1.50	2.75

VAUGHAN'S

	Each	All Prepaid Doz.	25
FIRE KING. Long graceful spikes showing half a dozen immense blooms open at one time. Color intense fire-scarlet. More brilliant than Brenchleyensis.....	\$0.10	\$0.90	\$1.70
FLAMBEAU. Immense flowers of vivid orange-scarlet with an effective throat blotch of white, shaded and marked with tyrian-lake on the lower petals.....	1.00	10.00	
FLORENCE. Bright lilac, white blotch on lower petals. Notably tall spike with many flowers; the best Lilac.....	.45	4.50	
*GIANT WHITE. A very large flower; ruffled.....	.20	2.00	3.75
GLORY OF HOLLAND. Pure white.....	.10	1.00	1.85
GLORY OF BRIGHTWOOD. Scarlet, lemon throat.....	.10	1.00	1.85
GORGEOUS. Vivid scarlet, with large, silvery white throat blotch on three lower petals.....	.15	1.50	2.75
GOLDEN KING. Yellow, crimson blotch in throat.....	.15	1.50	2.75
GOV. HANLY. Rich cardinal red.....	.20	2.00	3.75
GRETCHEN ZANG. Pink, blending into scarlet on lower petals.....	.15	1.50	2.75
GRAND BLANCHE. Creamy white, medium-size flower.....	.25		
HALLEY. Delicate salmon-pink with a slight rosette tinge, the lower petals bear a creamy blotch with a stripe of bright red through the center.....	.10	.90	1.70
HERADA. Blooms of immense size on tall straight spikes. The large blooms are pure mauve, glistening and clear, with deeper markings in the throat.....	.20	2.00	3.75
*HYDE PARK. Frosty sparkling white, penciled and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream.....	.10	1.00	1.75
JANE DIEULAFOY. Creamy white, lower petals, stained maroon.....	.25	2.50	
JEAN BART. Bright crimson-red, ivory white blotch.....	.20	2.00	3.75
*JESSIE. Rich velvety red.....	.20	2.00	3.75
JOE COLEMAN. Large rich red.....	.20	2.00	3.75
JOUBERT. Salmony rose, blood-red blotch.....	.25		
JUNON. Bright rose-orange, lilac blotch, striped dark violet.....	.50		
KLONDYKE. Light yellow, with crimson.....	.10	.90	1.70
KOENIGIN WILHELMINA. Clear salmon-pink, cherry red blotch, edged white.....	.20	2.00	3.75
LA LORAIN. Bright Salmony-red, blotch dark purplish-red.....	.25	2.50	4.75
L'INNOCENCE. Delicate blush suffused rose, yellow blotch with faint carmine stripes.....	1.00	10.00	
L'IMMACULEE. Pure white.....	.20	2.00	3.75
LILYWHITE. Very good early white.....	.50	5.00	
L'TRIOMPHE. Rosy lilac, striped carmine, white blotch.....	.50		
LOVELINESS. Cream pink. Many flowers open at the same time, very large, broad and showy spike.....	.20	2.00	3.75
LUSTRE. Dark orange vermilion.....	.25	2.50	
LUSTROUS. Large flowers of lovely orange-rose; lower petals have a large throat blotch of yellow, slightly shot with purplish-lake.....	.20	2.00	3.75
LUTIN. Cherry-red with deep crimson blotch.....	.25	2.50	4.75
MADAME MONNERET. Delicate rose.....	.10	.90	1.70
MENTOR. Slate color with a rosy hue, red blotch on white ground.....	.40	4.00	
*MARY BLACKMAN. Flowers salmony red; feathered and penciled with carmine.....	.20	2.00	
*MARGARET. A brilliant carmine with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight.....	.25	2.50	4.75
MARY PICKFORD. Creamy white throat, soft sulphur-yellow.....	.35	3.50	6.25
MARTINIQUE. Dark violet-red, pale yellow blotch.....	.50		
MARIE THERESE. White with a few rosy stripes.....	.15	1.50	
and strong.....	.15	1.50	2.75
MADAME APPERT. Tall plant; large well opened flowers of carmine-rose color; blood-red blotch on a white ground; white middle band.....	.35	3.50	6.75
MERCEDES. Carmine-rose and pale rosy-white; with a very effective red blotch on lower petals.....	.50	5.00	
MEADOWVALE. Early white.....	.20	2.00	
MEPHISTO. Coppery scarlet.....	.25	2.50	4.75
MONA LISA. Ruffled, palest soft rose pink.....	.50	5.00	
MORNING STAR. White with crimson throat.....	.10	.90	1.70
MRS. BEECHER. Deep rosy crimson, throat white.....	.15	1.50	2.75
*MRS. FRANCIS KING. Brilliant vermilion-scarlet. Most popular and effective variety for all occasions. Large Bulbs, per 100, by exp., not prepaid, \$4.00 Medium Bulbs, by exp., not prepaid, 100, \$2.75; 250, \$6.50.....	.08	.75	1.25
MRS. F. M. LUPTON. A distinct light rose. Large, well-spreading flower and long perfect spike.....	.40	4.00	
MRS. W. E. FRYER. New. Bright scarlet.....	.30	3.00	
MRS. FRANK PENDLETON. Flushed salmon-pink, with rich maroon blotch on the three lower petals. The most popular flower in florists' shops.....	.10	1.00	1.75
*MRS. W. S. BREWSTER. White overlaid bluish; blotched brilliant red with a creamy halo.....	.50	5.00	
MRS. WATT. Glowing American Beauty shade of red.....	.10	1.00	1.85
MRS. DR. NORTON. Pure soft white with tips of petals suffused La France Pink. Wonderful variety.....	.75	7.50	
MYRTLE. Tender and delicate rose pink. "The most beautiful pink yet produced in Gladiolus".....	.15	1.50	2.75
MYSTIC. Very early, pink.....	.15	1.50	2.75
NEGERFURST. One of the most brilliant reds.....	.35	3.50	
NEZINSCOTT. Bright blood-scarlet with deep velvety crimson-black blotch and white mottlings, medium size.....	.15	1.50	2.75
NIAGARA. A delightful cream shade blending to canary-yellow, splashed with carmine.....	.10	1.00	1.75

* This mark indicates introduced by Vaughan's Seed Store

GLADIOLI

	Each	Doz.	25
ORANGE GLORY. —Bright orange with slight purple and white markings in throat	\$0.30	\$3.00	\$5.75
OWOSSO. Straw-yellow, deeper yellow on lower petals	.25	2.50	4.50
OID. Coppery scarlet. Very fine	.35	3.50	....
PANAMA. An improved America, largest and most notable spike of bloom among all pink sorts	.10	1.00	1.75
PEACE. Very large, nearly white, with pale violet feathering on lower petals; flowers correctly placed on a tall graceful spike	.10	1.00	1.75
PHLEGETON. Dazzling scarlet-red, violet-red blotch	.75	7.50	....
PINK LILY. Ruffled, delicate pink	.50	5.00	....
PINK PERFECTION. Delicate apple-blossom pink	.15	1.50	2.75
*PRINCEPS. Brilliant scarlet crimson, carrying mostly three white blotches on lower petals	.15	1.50	2.75
PRIDE OF GOSHEN. Ruffled, salmon-pink	.10	1.00	1.75
PRIDE OF HILLEGOM. Red	.50	5.00	....
MIXED. Many colors. (See named kinds of these below).			
PRIMULINUS HYBRIDS. —The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and peculiar shape of the flowers they are ideal for vases	.10	.90	1.70
PRIMULINUS. Named kinds in six shades:			
Alice Tiplady. Orange-saffron	.25	2.50	4.75
Anita. Canary-yellow	.20	2.00	3.75
Angola. Salmon pink	.15	1.50	2.75
Regulus. Orange-salmon, with delicate yellow	.15	1.50	2.75
Sweet Orra. Pale sulphur	.15	1.50	2.75
Sunbeam	.15	1.50	2.75
PRINCEPINE. Beautiful red with large white blotch	.10	1.00	1.75
PURPLE GLORY. Ruffled, velvety maroon-red, black blotches	1.50	15.00	....
PRINCE OF WALES. The flowers are large and well placed and the color is a most charming coral-pink. It is a sport of "Halley" but larger and of taller growth and also somewhat earlier. The delicate tint is practically without throat markings	.20	2.00	3.75
PURPLE SPOT. Violet-red	.35	3.50	....
RUBY KING. —Intense dark, ruby-red	.10	1.00	1.75
RUFFLED GLORY. Salmon-pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide open flowers are carried on straight, stout 3½ feet stalks. Each petal is exquisitely ruffled	.15	1.50	2.75
RUFFLED MIXED. Many colors	....	1.25	2.40
ROSS VALLEY. Mouse color, very odd shade	.15	1.50	2.75
ROSE GLORY. Ruffled, rose-pink	.50	5.00	....
ROSY SPRAY. White, beautifully sprayed rose	.10	.90	1.75
SCARLET GLORY. Ruffled, fine red	.25	2.50	....
SCRIBE. Tender rose, tinted white, striped carmine	.10	1.00	1.75
SEMAPHORE. Pale carmine-red, sulphur-yellow blotch	.50	....	....
SHAKESPEARE. Blush white, with large rosy blotch	.10	.90	1.75
SILVERETTA. Blush white with carmine blotch	.35	3.50	....
SCHWABEN. Clear canary yellow, shading to soft sulphur. Largest flower stalk and leaves of all. Planted 7 or 8 inches apart in rich soil produces wonderful blooms	.12	1.25	2.40
SOPHOCLES. Salmon, large showy flower	.25	2.50	....
SPHINX. Lilac-red flowers, purple-red blotch	1.00	....	....
SULPHUR KING. Clear sulphur yellow	.15	1.50	2.75
*SUNBEAM. Vaughan novelty. (See first Gladiolus page).			
VIOLA. A very large Lemoine type flower of exquisite mauve-blue, gradually shading to rich violet	.30	3.00	....
WAR. Deep blood-red, shaded crimson-black. A leader among the large reds	.10	1.00	1.85
WHITE GLORY. Ruffled, pure white, blue throat	.35	3.50	....
WHITE LADY. Also known as Rochester White	.35	....	....
WILLY WIGMAN. Creamy white, scarlet blotch	.10	1.00	1.85
WILD ROSE. Delicate rose	.10	1.00	1.85
WINSOME. Great round flowers of exquisite blush, shot and shaded with carmine-pink. A conspicuous throat blotch of crimson-lake	.25	2.50	....
YELLOW HAMMER. Yellow, red mark in throat	.10	1.00	1.85

SPECIAL NO. 99B
2 each of these 6, 12 bulbs, prepaid, \$2.00.



CRACKER JACK



GRETCHEN ZANG

EXTRA "FINE MIXED"

This mixture contains many of the new named sorts used in the "Rainbow" with fifty per cent. of standard best kinds mixed together. This insures a wide range of colors, shades and types. Doz., 75c, postpaid; by exp., not prepaid, 50 for \$2.25; 100 for \$4.00; 500 for \$17.00.

FOR THE CHILDRENS' GARDEN

Pin Money From Cut Flowers

We will supply by express, not prepaid, third size bulbs, about 1 inch in diameter, of "Mrs. F. King" and "America" at the very low price of \$15.00 per 1,000. All are of blooming size. Besides blooms for the house or for sale there will be dug in the fall the same number of large sized bulbs worth double the cost of these.

VAUGHAN'S "EARLY HYBRIDS" MIXTURE

During the past seasons we have had numerous calls for a mixture made up of early blooming varieties, so offer this season "VAUGHAN'S EARLY HYBRIDS MIXTURE," which contains a wide range of colors of the leading early blooming varieties, of both named and seedlings Doz., 75c; 100, \$4.00; 250 for \$9.50.

VAUGHAN'S "STANDARD" MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, except where special named kinds are wanted. They are useful for mixed beds, borders and masses and offered at very moderate prices for that purpose.

Price, doz., 45c, postpaid; by express, not prepaid. These are first size bulbs; where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.; 50 for \$1.50; 100 for \$2.75; 250 for \$6.75; 500 for \$13.00; per 1000, \$25.00.

HOMEWOOD MIXTURE

Our Wonderful Special

These bulbs are third size about one inch in diameter, all bloomers, selected from some of the choice kinds we grow in large quantities on our farms. They will often give as large a spike as a fully matured bulb, but as they are small do not bloom so early in the season as either first size or medium bulbs. We make this special offer to those who desire moderate prices, a liberal quantity and accept a little later flowering date. Plant 6 inches apart; cultivate well. The best pinks, whites, reds, and many odd and pleasing shades are included.



Price, prepaid, 50 bulbs for \$1.00; by express, not prepaid 250 for \$4.00; 500 for \$7.00; 1,000 for \$13.00.

GLADIOLUS IN MANY COLORS

These bulbs in color shades are medium in size, 1¼ to 1½ inches. All flowering.

	Doz.	100	Doz.	100
Blue shades	\$1.00	\$ 7.00	Scarlet with White	\$0.50 \$3.50
Lilac and Violet	1.75	12.00	Striped Shades	.50 3.50
Pink	.45	3.00	White and Light	.45 3.00
Pink and White	.75	5.00	Yellow Shades	.50 3.50
Scarlet and Red	.45	3.00		

Dozen prices above, include prepayment. 100 prices not prepaid. If 100 lots are wanted by parcel post, add postage at zone rates, 5 lbs. per 100 bulbs. See inside back cover.

VAUGHAN'S "RAINBOW" MIXTURE

This name has been chosen by us for our highest quality blendings of the many named varieties which we grow including French novelties with other choice varieties of which we have only in moderate quantities. This is the best mixture which our collection permits and we believe unexcelled by any obtainable elsewhere.

Price, doz., \$1.00, postpaid; by exp., not prepaid, 50 for \$3.00; 100 for \$5.50; 250 for \$12.50; 500 for \$23.00. Each lot, whether in dozens, 50s or 100s, of all Vaughan's Mixtures is put up separately to insure correct proportions of kinds and colors.

SPECIAL OFFER No. 100B. Two each of the following six varieties sent postpaid, for 75c: Mrs. Francis King, America, Chicago White, Schwaben, Halley, Baron J. Hulot. A full range of fine colors.

SPECIAL OFFER No. 200B. Two each of the following six varieties sent postpaid, \$1.00: Chicago White, Chicago Salmon, Chicago Red, Peace, Klondyke, Panama.

SPECIAL OFFER No. 300B. Two each of the following six varieties sent postpaid, for \$1.25: War, Margaret, Primulinus Sunbeam, Mrs. Frank Pendleton, Black Pansy, Baron J. Hulot.

* Introduced by Vaughan's Seed Store

The single and dozen price above, include free parcel post delivery through 5th zone. For prepayment to further zones add 5c per dozen.



Growing Perennials from Seed

IT IS the charm of a perennial planting that its occupants become old friends. Once established, the flowers remain as long as they are wanted and year after year we greet them at the same time and in the same place. Yet such a border is ever changing. Each flower has its season, when it buds, blossoms, and finally exhausts its glory and retires for a long rest. As a sun-dial counts the shining hours, the perennials mark the passing of the pleasant days, from the time of the earliest crocus to the last courageous chrysanthemum, which defies the early frosts but must succumb to the approach of winter.

THERE is no phase of gardening that deserves greater study. The aim should be to adapt the gardening space at our disposal to the best possible display from the material obtainable. If it is somewhat shady, there are perennials that delight in shade. If it is hot and dry, there are others to suit this condition. Even though it should be a swamp, there is no lack of material for a bog garden, one of the most interesting departments of gardening.

Necessarily, plants in sufficient quantity to furnish a garden of substantial size would be a big item of expense if they were to be purchased from the nursery.

Sowing Seed Early Important

THE economical way to obtain most perennials in quantity is to grow them from seed. With many of the finest, such as peonies, iris and phlox, this is so difficult as to be impractical. These and others do not come true from seed so it is necessary to purchase plants if particular varieties are wanted. But a majority of this invaluable garden material can be raised almost as readily as annuals.

Few perennials blossom before the second year, but after that they are prepared to repay each year the care lavished upon them by increasing wealth of bloom. They must occupy space during their first season to the exclusion of blooming plants. The most practical way of growing them from seed is in rows in a portion of the vegetable garden as a succession crop to the earliest vegetables, transplanting them to permanent quarters early enough in the fall to permit them to become established.

Perennial seeds may be sown from April until July. The earlier the seed is sown, the stronger will be the plants or clumps by fall.

They should be given the same care as annuals in the preparation of the seed-bed and in transplanting into rows at sufficient distance apart to give them room to develop and yet economize space.

Transplanting six inches apart in rows one foot apart will be right for all except such strong growers as hollyhocks. They should be moved from the seed bed when they have formed a pair of true leaves. When transplanted into permanent position in the fall, they should be lifted carefully with a spade. Many form long tap roots and as much as possible of this should be lifted. In cases where large masses of fibrous roots are formed, the plant should be lifted with plenty of earth about the roots. If this is done it reestablishes itself very quickly in the cool fall days when there is usually sufficient rain to obviate the necessity of artificial watering.

A Border of Plants from Seed

A SUGGESTED plan for a hardy perennial border which may be developed from seed accompanies this article. It contains ten perennials of the easiest culture which may be grown from seed with a minimum of trouble. In addition to the ten perennials for the main body of the border a hollyhock hedge is suggested and five low growing perennials are used as edging, forming close growing solid mats of foliage studded in season with a multitude of bloom. These colonies of little plants to finish off the edge of a border add immensely to its effectiveness and serve to make the border appear a natural part of its surroundings.

The ten perennials here listed are: Perennial Larkspurs, Coreopsis, Columbes, Globe Thistles, Bolton's Aster, Gaillardias, Shasta Daisy, Sweet William, Pyrethrum, and

Golden Daisy or Anthemis. The edging plants are Grass Pinks, Evergreen Candytuft (*Iberis sempervirens*), Snow in Summer (*Cerastium*), Creeping Soapwort (*Saponaria ocyroides*), and the Carpathian Harebell.

The season of bloom extends from April, when the Evergreen Candytuft covers its dark green foliage with flat clusters of snowy white until killing frosts check the gold and crimson of the Gaillardias.

Among the larkspurs a few clumps of the white Madonna Lilies should be planted, the beautiful blue shades of the larkspur and the white lilies being one of the finest of garden combinations. A few Tiger or Superbum lily bulbs among the Columbines will furnish a season of bloom after the Columbines have been cut down. Gladiolus bulbs carefully set among them will answer the same purpose and give greater variety.

These are all fairly well known perennials with the exception of the Globe Thistle, *Echinops ritro*, which recently has become recognized as a stately and decorative perennial with its brilliant steel blue spheres two inches in diameter when well grown above a three-foot mass of thistle-like foliage. Globe Thistles are popular for winter bouquets. If cut when the bloom has first expanded and dried they retain their beautiful blue color. They are very easily raised from seed but need plenty of room, a clump two or three years old needing a three foot circumference.

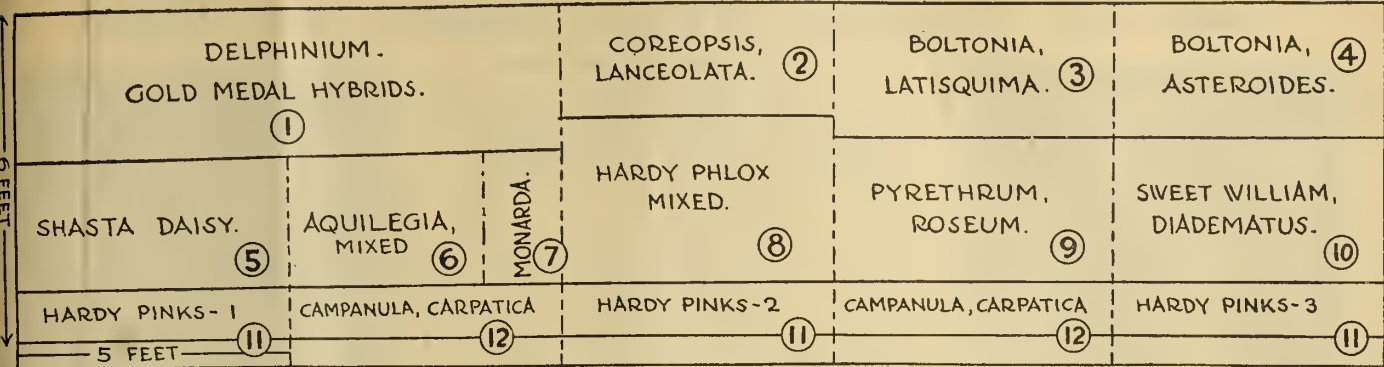
A striking feature of this border is the double row of Hollyhocks which will form the background in July and which will come into bloom after the spires of the Larkspur have faded and the Columbines are past and before the later flowers have come into full bloom. Hollyhocks in rows have become most popular and nothing is more beautiful or more effective.

DOUBLE ROW OF HOLLYHOCKS. 3 FEET APART.
MIXED COLORS.

7 FEET 6 INCHES	DELPHINIUM. BLUE JUNE	COREOPSIS. YELLOW JUNE - SEPTEMBER.	AQUILEGIA. ROSE QUEEN. PINK. JUNE - JULY	GLOBE THISTLE. BLUE. AUGUST - SEPTEMBER	BOLTONIA. LATISQUAMA, PINK. ASTEROIDES, WHITE. SEPTEMBER
	GAILLARDIA YELLOW AND SCARLET. JUNE - OCTOBER	SHASTA DAISY. WHITE. JUNE - SEPTEMBER	SWEET WILLIAM. WHITE TO DEEP RED JUNE - AUGUST.	PYRETHRUM. WHITE TO CRIMSON. MAY - JUNE.	ANTHEMIS. YELLOW. JUNE - SEPTEMBER.
	GRASS PINKS. JUNE.	HARDY CANDYTUFT. WHITE. APRIL.	SNOW IN SUMMER. WHITE. JUNE.	CREeping SOAP-WORT. DEEP PINK JULY.	CARPATICA, HAREBELL BLUE-WHITE. ALL SUMMER
	5	10	15	20	25

Special Offer 761—Perennial Border Easily Grown from Seed, \$1.50

Seed sown this summer—May to July, the sooner the better—will produce plants which should be set in permanent position this fall and will blossom in 1923. Seed of the seventeen varieties shown in the plan, sufficient to produce an ample number of plants for the border, as illustrated, sent postpaid, for \$1.50.



Special Offer 771—\$35.00, Prepaid

Plants for the Perennial Border above, 6x25 feet, 147 plants, prepaid, \$35.00.

Location No.	Plants to be used	No. of Plants	Location No.	Plants to be used	No. of Plants
1	Delphinium Gold Medal Hybrids	12	8	Phlox—Vaughan's Hardy Mixed	12
2	Coropsis Lanceolata	6	9	Pyrethrum Roseum	12
3	Boltonia Latisquima	6	10	Sweet William Diadematus	12
4	Boltonia Asteroides	6	11-1	Hardy Garden Pinks—Abbottsford	12
5	Shasta Daisy	12	11-2	" " —Vaughan's Special Mixture	12
6	Aquilegia—Mixed Long Spurred	6	11-3	" " —Deltoides	12
7	Monarda Didyma	3	12	Campanula Carpatica	21
					Total, 147

Give the Plants Plenty Room

THE spacing of perennials is important. They must have room to develop or much of their beauty is sacrificed. While there is no hard and fast rule that may be followed because of the varying habit of growth, in general, plants a foot tall or less need a foot of space, two to three foot plants about two feet and plants three feet or more tall, three feet apart. Some low growing plants spread into wide mats. They need more than a foot. Only a study of the habit of the plants can determine their proper spacing.

The plants should be graded, the tallest at the back of the border, permitting a tall group here and there to extend towards the front to break the monotony that might result from too great regularity, for a perennial border should not be too formal or the groups be planted with mathematical accuracy, irregular groups being more effective, the one merging into the other.

Most perennials need to be lifted and divided every third year as when the clumps become too large the central portions are so crowded they do not flourish.

As the soil in which perennials are planted must be occupied continuously, it is necessary to give it more thorough and deeper preparation than for annuals. It should be given a dressing of manure in the fall to be dug in lightly in the spring among the clumps or if not available, commercial fertilizer should be hoed into the soil in the spring when the perennials start growth.

Care With the Seed Bed

MOST of the perennial seeds take considerable time to germinate and it is important that they be sown where they may remain undisturbed until they come up. If sown in an open bed or row, the weeds quickly take possession and it is a difficult task to keep them from crowding the infant flowers to death.

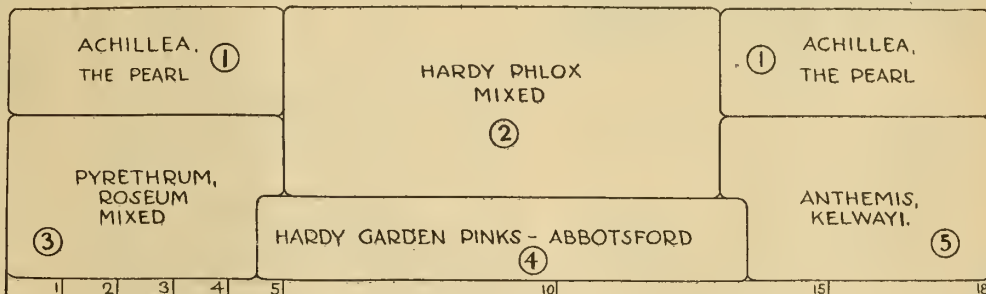
It is best to sow the seed in flat boxes, in fine sifted soil, which can be watered with the greatest care and kept free from weeds. All the pains taken at this stage of operations will be well repaid, for upon your care depends whether you get many plants or, if you are careless, none at all.

A cold frame is most valuable equipment for a perennial grower. A frame is necessary for two of the most popular of the border plants, both biennials; that is, they must be raised every year from seed and bloom the second year after planting, and then, if allowed to seed, die. These are foxgloves and Canterbury Bells, which while hardy so far as extremes of temperature are concerned, rarely will come through in the open ground, owing to the rotting of the crowns in spells of wet weather.

Special Offer 774—\$5.00, Prepaid

Plants for the Perennial Border illustrated to the right, 4x10 feet, 21 plants, prepaid, \$5.00.

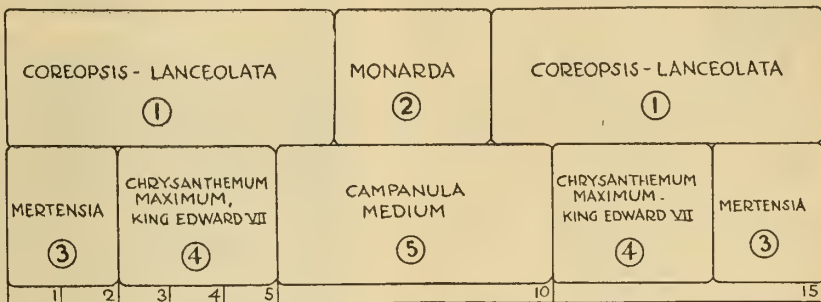
Location No.	Plants to be used	No. of Plants
1	Gaillardia Grandiflora	3
2	Hardy Phlox	6
3	Coreopsis Lanceolata	3
4	Physostegia Virginica	3
5	Shasta Daisy	3
6	Physostegia Alba	3
		Total, 21



Special Offer 772—\$12.50, Prepaid

Plants for the Perennial Border above, 5x18 feet, 60 plants, prepaid, \$12.50.

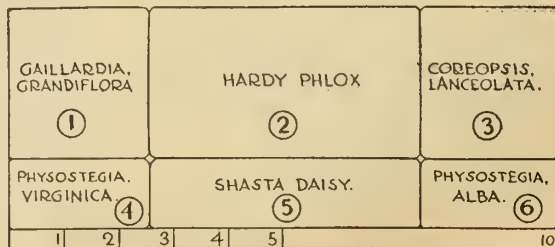
Location No.	Plants to be used	No. of Plants
1	Achillea The Pearl	12
2	Hardy Phlox, mixed	12
3	Pyrethrum Roseum	12
4	Hardy Pinks, Abbotsford	12
5	Anthemis Kelwayi	12
		Total, 60



Special Offer 773—\$10.00, Prepaid

Plants for the Perennial Border above, 5x15 feet, 40 plants, prepaid, \$10.00.

Location No.	Plants to be used	No. of Plants
1	Coreopsis Lanceolata	12
2	Monarda	4
3	Mertensia (Virginian Cowslip)	6
4	Chrysanthemum Maximum (King Edward VII)	12
5	Campanula Medium (Canterbury Bells)	6
		Total, 40



Vaughan's Perennial Flower Seeds and Plants



ACHILLEA—The Pearl

ACANTHUS

5000 *Latifolius*. Aug. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants. Pkt., 10c.

5001 *Mollis*. Flower spikes 4 ft. high of white and lilac flowers. Pkt., 10c.

ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting. 5003 *The Pearl*. 2 ft. June to August. Pure white, fine for cutting; blooms all summer. Pkt., 15c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

ACONITUM (Monkshood)

Do not plant near vegetable gardens. Roots are poisonous. Bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere. 5004 *Fischeri*. 2 ft. Sept. Large porcelain blue flowers. Pkt., 10c.

5005 *Napellus*. 2½ ft. August. Fine rich blue flowers. Pkt., 5c.

Plants, 3 for 85c; doz., \$3.00.

ADLUMIA (Alleghany Vine)

5008 *Cirrhus*. 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. Pkt., 10c.

ADONIS

5009 *Vernalis*. 18 in. May. Large star-shaped yellow flowers. Pkt., 10c.

AGATHEA

5010 *Coelestis* (Blue Daisy). Flowers sky blue with yellow disk easy growth. Pkt., 10c.

AGROSTEMMA

5011 *Coronaria* Varieties Mixed. Attractive free-flowering, producing bright colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting; 1 to 2 ft. June-September. Pkt., 10c.

5012 *Flos Jovis*. 1 ft. Beautiful pink flowers. Pkt., 5c.

ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

5013 *Saxatile Compactum* (Basket of Gold). 1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with *Arabis*. Pkt., 10c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

AMPELOPSIS

5015 *Veitchii* (Boston Ivy). Small leaved, self-clinging, hardy vine. Pkt., 10c.

For plants see page 118.

Perennial Plants

of European origin, can no longer be imported except for propagating purposes, by ruling of the Federal Horticultural Board's Plant Quarantine Act No. 37, which went into force June 1st, 1919. For the present, therefore, our list of plants must be curtailed until stock of our own propagation is ready to send out.

Order Plants

by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

Prices of Plants

The cost of labor and time involved in collecting, labeling and assembling long and extended lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three of a kind so attractive that it should induce our customers to buy at least three of a kind.

Relative Prices are as Follows:

Plants priced at	per dozen	3 supplied for Each	
		\$	¢
{ \$2.50 3.00 3.50 4.00 4.50 5.00	}	... \$0.65	\$0.30
		... .85	.35
		... 1.00	.40
		... 1.25	.50
		... 1.35	.55
		... 1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

ANCHUSA

5016 *Italica*, Dropmore Variety. 5 ft. June-July. Beautiful gentian blue, flowers one of the best perennials. Pkt., 15c.

ANEMONE (Wind Flower)

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

5019 *Coronaria* (Poppy Anemone) Mixed Colors. June. 10 in. Pkt., 10c.

5020 *St. Brigid's Strain*. May-June. Double and single mixed. 12 in. A beautiful selection of the *Coronaria* varieties in a wonderful array of colors. Pkt., 15c.

5021 *Pulsatilla*. 10 in. Blooms in May. Flowers violet or purple. Pkt., 10c.

5022 *Sylvestris* (Snow Anemone). 1½ ft. May to June. One of the most satisfactory for the border; flowers cup-shaped, pure white. Pkt., 15c.

ANTHEMIS (Marguerite)

These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.

5023 *Kelwayi* (Hardy Marguerite). 2 ft. Daisy like yellow blossoms, produced all summer. Excellent for cutting. Pkt., 10c.

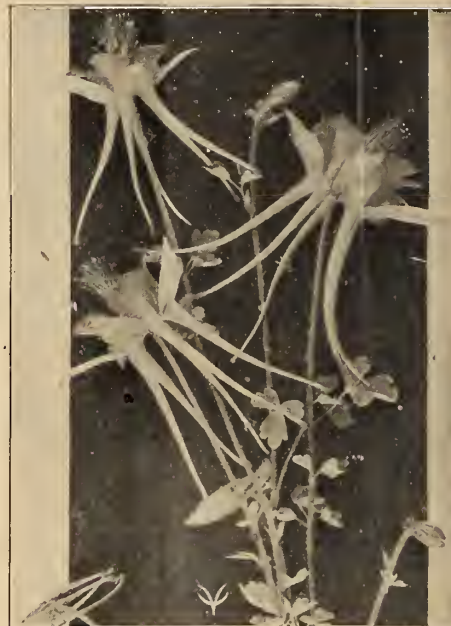
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00. 5026 *Tinctoria*. Very useful yellow border plant. Pkt., 10c.

AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and great value for massing, and with their long stems are splendid for cutting. 5027 *Canadensis* (Turk's Cap). Handsome scarlet and orange flowers. Pkt., 10c.

5028 *Chrysantha*. 3 ft. Yellow, long spurred. Pkt., 10c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.



AQUILEGIA—Long-Spurred

AQUILEGIA—Continued.

5029 *Chrysantha* Fl. Pl. 3 ft. Double golden yellow flowers. Pkt., 10c.

5030 *Chrysantha Grandiflora* Alba. 3 ft. Large flowering, pure white, long spurs. Pkt., 10c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

5031 *Coerulea* (Rocky Mountain Columbine). 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Pkt., 10c.

5032 *Coerulea* Hybrida. 2½ ft. Long spurred hybrids. Pkt., 10c.

5033 *Coerulea Rosea* (Rose Queen). 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Pkt., 15c.

5034 *Helena*. Flowers blue and white. Pkt., 25c.

5035 *Mrs. Scott Elliott's Strain of Long Spurred Hybrids*. The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new in the species and are the result of very many years careful hybridisation. Pkt., 25c.

Plants, 3 for \$1.00; doz., \$3.60; 100, \$20.00.

5036 *Long Spurred Columbines*. Mixed. Pkt., 15c.

Plants, 3 for \$1.00; doz., \$3.60; 100, \$20.00.

5037 *Nivea Grandiflora*. 15 in. Large pure white. Pkt., 10c.

5039 *Skinneri* (Mexican Columbine). Large scarlet and yellow flowers. Pkt., 15c.

5042 *Vulgaris Alba Plena*. 2 ft. Double white flowers. Pkt., 10c.

5043 Single Mixed. Many varieties. Pkt., 10c.

5044 Double Mixed. Pkt., 10c.

5047 *Vaughan's Special Mixture* includes all the above mentioned varieties and many new colors not found in any named collection. Pkt., 25c.

ARTEMISIA

—*Lactiflora*. 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

ARABIS (Rock Cross)

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings.

5048 *Alpina*. 6 in. Large masses of double pure white flowers. Pkt., 10c.

ARISTOLOCHIA

5051 *Sipho* (Dutchman's Pipe). 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. Pkt., 10c.

For Plants, see pages 118-119.

Vaughan's Perennial Flower Seeds and Plants



ASTER—Climax

ARMERIA (Thrift Sea Pink)

Grand plants for crevices of wall and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July.

- 5052 Formosa. 9 in. Pretty rose pink. Grand for borders. Pkt., 10c.
- 5054 Maritima. 3 in. Silvery pink flowers. Pkt., 15c.
- Laucheana. May. Rose 6 in.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

ASCLEPIAS

5056 Tuberosa (Butterfly Weed). 2 ft. One of the most showy of our native perennials and producing from July until frost. Compact umbels of brilliant orange flowers. Pkt., 10c.

ASTER

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

- 5064 Large Flowering Mixed. Various shades of blue. Pkt., 25c.
- Novae Belgae Climax. Oct.-Nov. Lavender blue. 5 ft.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- Climax White. Oct.-Nov. Pure white. 5 ft.
- Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.
- Novae Angliae. 3 ft. Sept.-Oct. Deep purplish blue.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- Mrs. J. F. Raynor. Oct.-Nov. Vivid crimson. 5 ft.
- Plants, 3 for \$1.25; doz., \$4.00.
- St. Egwin. Oct.-Nov. Pink. 2½-3ft.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

BAPTISIA

5071 Australis (False Indigo). 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. Pkt., 10c.

BOCCONIA

5084 Cordata (Plume Poppy). 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery undersurface, and flower plumes of a pretty cream color. Pkt., 10c.

BOLTONIA (False Chamomile)

This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.

- 5085 Asteroides. July-October, 6 ft. White. Large daisy-like flowers, valuable for cutting. Pkt., 15c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5086 Latisquama. Delicate pink. Pkt., 15c.
- Plants, 3 for 85c; doz., \$3.00.

BUDDLEYA (Butterfly Bush or Summer Lilac)

A small shrub bearing exquisite tapering spikes of lilac mauve flowers; requires same protection as roses during winter. Plant in Spring.

- Variabilis Veitchiana. July-Aug. Mauve. 3 ft.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

CAMPANULA

A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. They are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more.

- 5090 Carpatica (Harebell). 9 in. July. Pretty blue; dwarf. Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5091 Alba. 9 in. July. Pure white. Pkt., 10c.
- 5092 Calycanthema (Cup and Saucer). 2 ft. June to August. Mixed colors. Pkt., 10c.
- 5093 Calycanthema White, (5094) Pink, (5095) Blue. Each, pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5102 Macrantha. 3 ft. Erect stems, large bells, violet blue. Pkt., 15c.
- 5104 Medium (Canterbury Bell). 2 ft. Single White. 5105 Single Blue. 5106 Single Pink. Each, Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5108 Mixed Colors (Canterbury Bells). Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5108a Double White. Pkt., 10c.
- 5108b Double Blue. Pkt., 10c.
- 5108c Double Pink. Pkt., 10c.
- 5109 Double Mixed. Pkt., 10c.
- 5111 Persicifolia (Peach Bells). Blue, 2 ft. Pkt., 15c.
- 5112 Persicifolia Alba. White. Pkt., 15c.
- 5113 Persicifolia Mixed. Blue and White. Pkt., 10c.
- 5114 Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. Pkt., 10c.
- 5115 Pyramidalis Alba. Pkt., 15c.
- 5116 Pyramidalis Mixed. Pkt., 10c.
- 5117 Vaughan's Special Mixture. A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.

CANDYTUFT—See Iberis

CANTERBURY BELLS—See Campanula

Medium



BOCCONIA



CAMPANULA—Canterbury Bell

CARNATION (Hardy Carnation)

After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double flowers, produced in succession all summer. Make excellent beds and are valuable cut flowers.

- 5118 Grenadin. Yellow. Pkt., 15c.
- 5119 Grenadin. Triumph (rose). Pkt., 15c.
- 5120 Grenadin. Dark velvety brown. Pkt., 15c.
- 5121 Grenadin. Scarlet. Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5122 Grenadin White. Splendid cut flowers. Pkt., 20c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- Grenadin Mixed.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5123 Vienna Dwarf. White. Pkt., 15c.
- 5124 Vienna Dwarf. Rose. Pkt., 15c.
- 5125 Vienna Dwarf Mixed. Pkt., 10c.
- 5126 Double Mixed, Extra Choice. Pkt., 15c.

CENTAUREA (Hardheads, Knapweed)

Good plants for the flower border or wild garden, with thistle-like flowers. Blossom in July-August

- 5132 Montana Alba. 2 ft. White, very showy. Pkt., 10c.
- 5133 Montana Blue. 2 ft. Beautiful blue hardy Cornflower. Pkt., 10c.

CERASTIUM

5137 Tomentosum (Snow in Summer). 4 in. Silvery white foliage, covered with snow white flowers in early summer. Pkt., 15c.

CHEIRANTHUS

5138 Allioni. 1 ft. Fine rock or border plant with orange flowers. Pkt., 10c.

CHELONE

Long coral-red spike like a pentstemon.

- 5140 Hybrida, Mixed. (Turtle Head.) 3 ft. July and August. Allied to Pentstemon; throws out long spikes of brilliantly-colored flowers. Pkt., 10c.
- Barbatus Torreyi. July-Aug. Coral red.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

CHRYSANTHEMUM (Hardy Daisy)

Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary flower.

- 5143 Maximum (Moonpenny Daisy). 2-3 ft. Hardy white daisy, excellent for cutting. Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5144 King Edward VII. 2½ ft. Very large white flowers on stout stems. Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5145 Market Favorite. Produces an enormous number of well-formed, pure white flowers, evenly distributed and flowering at one time. Pkt., 15c.
- 5146 Mrs. C. Lothian Belle. Large white daisy-like flowers. Pkt., 15c.

Vaughan's Perennial Flower Seeds and Plants



CIMICIFUGA

CIMICIFUGA (Snake Root)

Valuable for late flowering, beginning in September and continuing throughout October.

- 5149 *Racemosa*. 4 to 8 ft. White flowers in long racemes. Pkt., 10c.
5150 *Dahurica*. 2 to 3 feet. Feathery drooping white flowers. Pkt., 15c.

CLEMATIS

Seeds slow in germinating, may not come up in a year.

- 5152 *Paniculata*. 15 ft. Fall-flowering vine with white flowers. Pkt., 10c.
5153 *Jackmanii*, Large Flowering Mixed. Blue, white and purple. Pkt., 15c.
For plants see page 118.

COREOPSIS (Tickseed)

One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form and bloom June to October.

- 5154 *Lanceolata Grandiflora*. 2 ft. Large orange-yellow flowers on long graceful stems. About the best yellow cutflower blooming incessantly. Pkt., 10c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

DAISY (Shasta)

- 5157 *Alaska*. 2 ft. Wonderful show of large white flowers. Fine for cutting. Blooms all summer. Pkt., 10c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

COREOPSIS *Lanceolata*

DELPHINIUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers. Stately plants with wonderful flowers produced on long spikes in various shades of white and blue. Remove the flower before the seed pods form and they will flower later in season again.

- 5161 *Chinese (Blue)*. 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.
5162 *Chinese Album*. 2 ft. Pure white. Pkt., 10c.
5162a *Chinese Mixed*. Pkt., 10c.
5163 *Elatum Hybridum*, Single Mixed. 3 ft. Pkt., 10c.
5164 *Double Mixed*. 3 ft. Pkt., 15c.
5165 *Formosum*. 3 ft. Deep blue, white eye, open spike. Pkt., 10c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5171 *Belladonna (Light Blue)*. 2 ft. Flowers exquisite shade of turquoise blue. Pkt. 20c.
Plants, 3 for \$1.00; doz., \$3.60; 100, \$20.00.
5173 *Indigo*. (New). 4 ft. Pure indigo blue, comes true from seed. Pkt., 25c.
—Lamartine. July-August. Dark blue, 3 ft. Plants, 3 for \$1.00; doz., \$3.60; 100, \$20.00.



DELPHINIUM—Gold Medal Hybrids

- 5174 *Nudicaule*. Dwarf brilliant scarlet flowers. Pkt., 25c.
5175 *Zalil*. 3 ft. Sulphur yellow. Seed germinates very slowly. Pkt., 25c.
5176 *Vaughan's Gold Medal Hybrids*. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 50c. 1/8 oz., \$1.00.
Plants, 3 for \$1.00; doz., \$3.60; 100, \$20.00.

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.

- 5177 *Caesius (Cliff Pink)*. Flowers delicate rose color, fragrant. Pkt., 15c.
5179 *Deltoides*. 9 in. Masses of small deep rose flowers, neat creeping habit. An excellent rock or edging plant. Pkt., 15c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5180 *Plumarius Cyclops (Clove Pink)*. An exquisite mixture of colors. Pkt., 10c.
5181 *Plum. Albus plenus*. Double white. Pkt., 15c.
5182 *Plum. Diadematus*. 12 in. White, pink and crimson. Pkt., 10c.



DIANTHUS (Hardy Pinks)

DIANTHUS—Continued.

- 5184 *Plum. Nanus Fl. Pl.* Double dwarf mixed. Pkt., 15c.
5185 *Plum. Semperflorens*. 15 in. Single and double, flowers all spring and summer. Mixed colors. Pkt., 15c.
5186 *Plum. Single Mixed*. Delicately fringed flowers. Pkt. 10c.
5187 *Plum. Double Mixed*. Fine for cutting. Pkt., 10c.
5188 *Plum. Vaughan's Special Mixture*. A grand selection of clove pinks of the above Plumarius type and others. Pkt., 20c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5189 *Latifolius Atro-coccineus Plenus*. 15 in. Double fiery crimson. Pkt., 10c.
—Abbottsford. May-Oct. Pink. 15 in. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
—Lilac Queen. May-Oct. Mauve. 12 in. Plants, 3 for 85c; doz., \$3.00.

DIANTHUS BARBATUS (Sweet William)

The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size or flower are far superior, being grown from select seed. Sweet Williams look well in solid beds of masses and require a good, rich well manured soil to grow them to perfection, excellent border plants and fine for cut flowers. Plants grow 18 to 24 inches high.

- 5192 *Scarlet Beauty*. A charming and distinct color. Pkt., 15c.
5193 *Copper Red*. A new and rich color. Pkt., 15c.
5194 *Diadematus*. One of the prettiest; flowers rose, spotted and sprinkled with white. Pkt., 10c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5195 *Johnson's Giants*. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Pkt., 15c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5196 *Nigrescens*. Almost black. Pkt., 10c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5197 *Pink Beauty (Newport Pink)*. Pkt., 10c.
—Scarlet Beauty. June-Oct. Scarlet. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
—Salmon. A very pleasing shade. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5199 *Albus*. White. Pkt., 10c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
5200 *Ato-sanguineus*. Blood-red. Pkt., 10c.
5201 *Roseus*. Pink. Pkt. 10c.
5202 *Single Mixed*. Pkt., 5c.
5203 *Single Giant-Flowered Mixed*. Pkt., 10c.
Double Varieties
5204 *White*. Pkt., 10c.
5205 *Rose*. Pkt., 10c.
5206 *Blood-Red*. Pkt., 10c.
5207 *Mixed*. Pkt., 10c.
5208 *Double Giant-Flowered Mixed*. Pkt., 15c.
5209 *Vaughan's Special Mixture*, Sweet William. A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. Pkt., 15c.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

Vaughan's Perennial Flower Seeds and Plants

DICTAMNUS (Gas Plant)

- The seed of these is very slow to germinate.
- 5210 *Caucasicus*. 3 ft. Flowers pink, a strong growing variety. Pkt., 10c.
 - 5211 *Fraxinella*. 3 ft. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. Pkt., 10c.
 - 5212 *Albus*. 3 ft. Spikes of attractive pure white sweet scented flowers. Pkt., 10c.

DIGITALIS (Foxglove)

- These produce spires of blossoms three to five feet high. Stately old garden favorites for garden, shrubbery borders and naturalizing in suitable places.
- 5213 *Gloxiniaeflora*, White. Flowers shaped and spotted like a gloxinia. 5214 *Pink*
 - 5215 *Purple*. Each color. Pkt., 10c.
 - Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
 - 5217 *Mixed Colors*. Pkt., 10c.
 - 5218 *Grandiflora*, Bright yellow. Pkt., 10c.
 - 5220 *Maculata Ivoryana*. Splendid spotted
 - 5221 *Monstrosa Mixed*. Long spikes surmounting, mixed colors. Pkt., 10c.
 - mounted by one enormous flower. Pkt., 10c.
 - 5222 *Purpurea Mixed*. Many colors. Pkt., 10c.
 - 5223 *Vaughan's Special Mixture of Digitalis*. A grand mixture of the above, and many other colors, grown especially for this mixture. Pkt., 15c.
 - Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.



DIGITALIS (Foxglove)

ECHINACEA (Coneflower)

- 5225 *Hybrida*. 4 ft. Flowers of various shapes, produced in a wide range of colors. Pkt., 15c.
- 5226 *Purpurea*. 4 ft. A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. Pkt., 15c.

ECHINOPS (Globe Thistle)

- Handsome, strong-growing plants with thistle like leaves and globe-shaped bristly flowers.
- 5227 *Ritro*. 3 ft. Metallic blue flower heads. Pkt., 10c.
 - Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
 - 5228 *Sphaerocephalus*. 4 ft. Grayish white flowers on stout stems. Pkt., 10c.

EDELWEISS

- 5229 8 in. The true Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any not too rich soil with full exposure to the sun. Pkt., 20c.

ERYNGIUM (Sea Holly)

- Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept.
- 5233 *Amethystinum*. 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers. Pkt., 10c.
 - 5234 *Planum*. 3 ft. Small steel blue globular flowers; graceful decorative plant. Pkt., 10c.

ERIGERON (Flea Bane)

- Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.
- Amos Perry. June-Oct. Lavender blue. 1 ft. Plants, 3 for \$1.00; doz., \$3.60.

EUPATORIUM (Thorough Wort)

- Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.
- 5236 *Ageratoides*. 2 ft. Pure white ageratum-like flowers; does well in shade. Pkt., 10c.
 - 5238 *Fraseri*. 18 in. Pure white. Pkt., 10c.
 - Coelestinum. Sept.-Oct. Light blue. 2 ft. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

FUNKIA (Day Lily)

- Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best.
- Lanceolata. August. Dark blue. 1 ft. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
 - Undulata Medio Variegata. 12 in. Silvery white, lined green. A very ornamental foliage plant. Plants, 3 for \$1.00; doz., \$3.60.
 - Subcordata Grandiflora. Plants, 3 for \$1.00; doz., \$3.60.

GAILLARDIA (Blanket Flower)

- June to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.
- 5240 *Grandiflora Mixed*. Composite flowers, variegated with shades of red and yellow. Pkt., 10c.
 - Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
 - 5242 *Semiplena*. Double row of petals, yellow with red center. Pkt., 10c.
 - 5243 *Compacta*. Varied colored compact flowers well above foliage. Pkt., 10c.
 - 5245 *Maxima Kermesina Splendens*. Center crimson, canary yellow border. Pkt., 10c.
 - 5246 *Sulphurea Oculata*. Pale yellow, maroon eye. Pkt., 10c.
 - 5247 *New Hybrids*. Very large flowers, in a great variety of colors. Pkt., 25c. ?

GENTIANA (Gentian)

- Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam.
- 5248 *Acaulis*. 4 in. Large bell-shaped deep blue flowers; spring blooming. Pkt., 10c.
 - 5249 *Lutea (Yellow Gentian)*. 4 ft. July. Whorls of giant yellow flowers. Pkt., 10c.

GEUM

- 5250 *Coccineum Atrosanguinea Plenum*. 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Pkt., 10c.
- 5251 *Heldreichi*. Beautiful orange flowers produced very freely. Pkt., 10c.
- 5252 *Mrs. Bradshaw*. Double. The orange-scarlet flowers are very large and full; comes quite true from seed and blooms the first year. Pkt., 25c.

GOLDEN ROD—See Solidago

GYPSOPHILA

- Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.
- 5261 *Paniculata Flore Pleno*. A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Pkt., 25c.
 - 5262 *Paniculata (Baby's Breath)*. 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.
 - Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

HELENIUM (Sneezewort)

- Delightful perennials allied to the Helianthus (Sunflower). Splendid and lasting as cut flowers.
- 5264 *Autumnale Superbum*. 5 ft. Large clear light yellow flowers in Sept. Pkt., 10c.
 - 5267 *Bigelowii*. 2 ft. Large rich yellow flowers. Pkt., 10c.
 - 5268 *Hoopesii*. 2 ft. May-July. Rich orange yellow. Pkt., 10c.
 - 5269 *Riverton Gem*. 2 to 3 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower red. Pkt., 15c.



GAILLARDIA Grandiflora

HELIANTHUS (Hardy Sunflower)

- Hardy, perennial Sunflowers flourish splendidly in any garden city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.
- 5270 *Maximiliani*. Small and graceful flowers of deep yellow on stems 2 to 4 feet long, blooming from August to October. Pkt., 25c.
 - 5271 *Perennial Varities, Mixed*. Pkt., 15c.
 - Multiflorus Plenus (Dahlia Sunflower). Aug-Sept. Double yellow. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

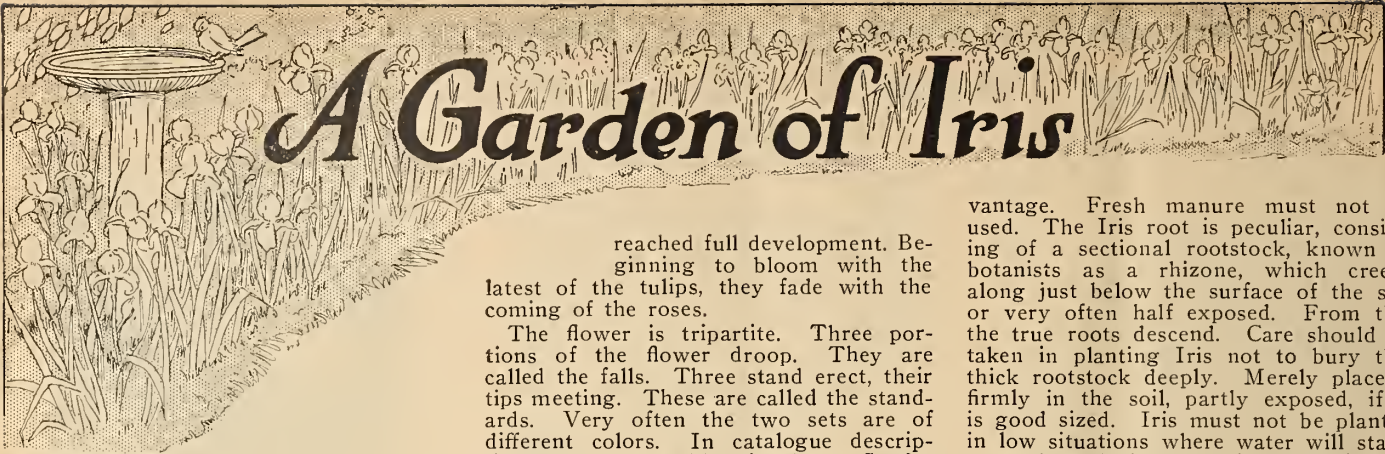
HELIOPSIS

- A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent cut-flower.
- 5273 *Pitcheriana*. A desirable hardy herbaceous plant, growing from 3 to 4 feet high, beginning to flower early in the season, and continuing the entire summer. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and very graceful for cutting. Pkt., 10c.
 - Gratissima. June-Aug. Double yellow. 2½ ft. Plants, 3 for 85c; doz., \$3.00.



GYPSOPHILA—Paniculata Flore Pleno

Special Offer of Perennial Seeds: Any 3 10c pkts. for 25c. Any 2 15c pkts. for 25c.



A Garden of Iris

An ideal plant, from the standpoint of vigor, is the Iris. There is no plant better adapted to all sections of the country, none hardier, none which will so well endure and even delight in hot, dry weather. None is less particular as to soil conditions, and none surer to furnish each year a mass of flowers of exquisite beauty. There are Irises for all conditions of soil, but they must have full sunlight.

Irises grow from 6 inches to 4½ feet tall, ranging from the dwarf pumila to the towering new hybrid, Caterina, tallest in the accompanying list. Flowers of all sizes and all combinations of colors except scarlets or true reds are found.

Irises are divided into two general classes—bearded and beardless, dry and wet, Pogon and Apogon. The bearded Irises are lovers of dry situations for the greater part of the summer and are technically known as Pogon Iris. The beardless are the swamp or moist soil lovers and are known as the Apogon class. The beard is a small patch of hairy growth at the base of the petals, usually yellow, orange or almost white. The brilliant orange beards are striking characteristics of some of the newer American hybrids.

To the bearded class belong the so-called German or flag Irises, the intermediate Iris, and the dwarf Iris. To the beardless section belong the Siberian and the wonderful Japanese Iris with blossoms sometimes measuring a foot across. In no plant of modern times has such tremendous development and improvement been shown as in the flag Iris.

Irises occupy a distinct position in the garden calendar, as they make their great display just after the glories of the Darwin and other late tulips have departed and before the roses and June perennials have

reached full development. Beginning to bloom with the latest of the tulips, they fade with the coming of the roses.

The flower is tripartite. Three portions of the flower droop. They are called the falls. Three stand erect, their tips meeting. These are called the standards. Very often the two sets are of different colors. In catalogue descriptions they are abbreviated to S. for standards and F. for falls.

In growing Iris, liming the soil is the chief treatment needed. Sprinkle hydrated lime over the soil in the fall until it looks as if a light snow had fallen. Hoe it in. A light dressing of bone meal may be given in the spring to good ad-

vantage. Fresh manure must not be used. The Iris root is peculiar, consisting of a sectional rootstock, known to botanists as a rhizome, which creeps along just below the surface of the soil or very often half exposed. From this the true roots descend. Care should be taken in planting Iris not to bury this thick rootstock deeply. Merely place it firmly in the soil, partly exposed, if it is good sized. Iris must not be planted in low situations where water will stand upon them during the winter. This is a requisite in their culture.

Irises are most effective in single lines, narrow beds or isolated specimens in the border where they may have opportunity to develop large clumps. They should be planted one foot apart for quick effect or three feet apart for a permanent

location, as in three seasons a plant will cover a three-foot space. A good plan is to plant three plants in a group a foot apart and the groups three feet apart. In an Iris planting, a factor to be considered is the varying heights of the plants. Pallida Dalmatica, which grows to 3½ feet, planted in front, would hide Maori King, which grows only 1 foot to 18 inches.

The accompanying planting plans have been made with a view to height as well as the harmonious association of colors. There is little danger of discord in an Iris planting. The colors, for the most part, are so soft there is small opportunity for clashes.

Siberian Iris make fine clumps in the hardy border or a beautiful mass planting, with their dark blue and snowy white bloom on slender stems rising above a mass of grassy foliage.

The Japanese Iris, most magnificent of all the Iris family, demand more careful culture to succeed, but are well worth any trouble. They demand moisture during their growing and blooming season but cannot stand wet feet during the winter. They like a heavy soil but may be grown even in rather sandy soil if care is taken to see that they have good distance from other plants and that the soil is kept stirred about them. They will then establish themselves and make fine clumps. They should have protection over their crowns in winter to be sure that no water stands about them. They need liberal manuring.

Color Scheme Collections of Iris

Special Offer 821 \$5.00 Prepaid

Plants to make this border, 4x15 feet, twenty-four plants, prepaid, \$5.00.



Location No.	Varieties Used	No. of Plants	Location No.	Varieties Used	No. of Plants
1	Dr. Bernice.....	3	5	Queen of May.....	3
2	Gertrude.....	3	6	Dorothea.....	3
3	Celeste.....	3	7	L'Avenir.....	3
4	King of Iris.....	3	8	Mrs. H. Darwin.....	3
		Total.....			24

Special Offer 822—\$10.00 Prepaid

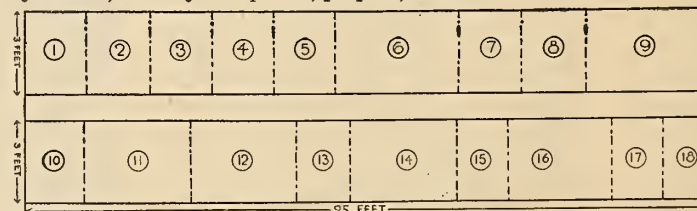
Plants to make the border below, 3 x 25 feet, twenty-seven plants, prepaid, \$10.00.



Location No.	Varieties Used	No. of Plants	Location No.	Varieties Used	No. of Plants
1	Storm Cloud.....	3	6	Pallida Dalmatica.....	3
2	Queen of May.....	3	7	Isolene.....	3
3	Rhein Nixe.....	3	8	Celeste.....	3
4	Alcazar.....	3	9	Monsignor.....	3
5	Caterina.....	3			.....
		Total.....			27

Special Offer 823—\$20.00 Prepaid

Plants to make the border below, two beds 3 x 25 feet each, separated by a walk, seventy-two plants, prepaid, \$20.00.



Location No.	Varieties Used	No. of Plants	Location No.	Varieties Used	No. of Plants
1	Storm Cloud.....	3	10	Kochi Atro-purpurea.....	3
2	Queen of May.....	3	11	Kharput.....	6
3	Rhein Nixe.....	3	12	Eldorado.....	6
4	Alcazar.....	3	13	Clio.....	3
5	Caterina.....	3	14	Mme. Chereau.....	6
6	Pallida Dalmatica.....	6	15	Tamerlane.....	3
7	Isolene.....	3	16	Darius.....	6
8	Celeste.....	3	17	Maori King.....	3
9	Monsignor.....	6	18	Caprice.....	3
		Total.....			72

VAUGHAN'S HARDY IRISES

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

PLANTS BY PARCEL POST—If to be sent by parcel post add postage as follows; Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.



Loreley

DARK BLUE AND PURPLE

- Archbishop (Archevêque).** "S" Deep velvety violet; "F" Deep purple violet; an exquisite Iris; very scarce. 3 for \$2.40; each, 85c.
- Gertrude.** Deep violet blue; very fragrant. Per 100, \$10.00; doz., \$2.00; 3 for 55c.
- Kochi Atro-purpurea.** "S" Purple lilac; "F" velvety black. A very striking dark flower. Per doz., \$3.00; 3 for 85c.
- Monsignor.** Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencillings at throat. Doz., \$3.60; 3 for \$1.00.
- Twilight (Crepuscule).** "S" and "F" delicate violet-purple, quite devoid of markings. Immense flowers on long stems. Early. Highly recommended. Doz., \$3.60; 3 for \$1.00.

YELLOW SHADES

- Darius.** "S" Primrose yellow; "F" Lilac and primrose. Per 100, \$10.00; doz., \$2.00; 3 for 55c.
- Forin.** "S" and "F" pale canary yellow, merging to cream at base. Doz., \$2.40; 3 for 65c; per 100, \$12.00.
- Gajus.** "S" Light clear yellow; "F" Crimson, reticulated white and yellow. Per doz., \$2.40; 3 for 65c.
- Loreley.** "S" Light yellow; "F" Ultramarine blue, bordered cream. Style arms deeper yellow; grows 30 inches. Per doz., \$2.40; 3 for 65c.
- Maori King.** "S" Golden yellow; "F" Velvety maroon margined gold. Per doz., \$3.00; 3 for 85c.
- Princess Victoria Louise.** (New.) "S" Immense sulphur yellow; "F" Plum color, shaded primrose. A very uncommon and pleasing shade. Per 100, \$12.00; doz., \$2.40; 3 for 65c.

LIGHT BLUE AND PURPLE

- Alcazar.** "S" Violet with bronze sheen; "F" rich crimson with lighter veins. A very rich and striking flower; 3 for \$2.75; each, \$1.00.
- Amas (Macrantha).** "S" Rich blue; "F" Violet; very large and handsome. Doz., \$4.00; 3 for \$1.25.
- Candelabra.** "S" Mauve and purple, with spotted effect on inside; "F" Violet, with white and black veins, unique candelabra-like form and rich coloring. Doz., \$2.40; 3 for 65c; per 100, \$12.00.
- Caterina.** "S" clear blue; "F" soft lilac. A new hybrid between Trojana and Pallida. Flowers of large size on stout branching stems. 3 for \$2.40; each, 85c.
- Celeste.** Fine satiny blue. One of the most beautiful of hardy Irises. Per 100, \$12.00; doz., \$2.40; 3 for 65c.
- Cherubin.** "S" Pale lilac; "F" Pale lilac, veined purple. Per 100, \$15.00; doz., \$3.00; 3 for 85c.
- Clio.** "S" White; "F." clear blue Doz., \$3.00; 3 for 85c; per 100, \$15.00.
- Dalmarius.** A cross between Dalmatica and Darius; "S" pale grey-blue; "F" darker shaded violet brown; very distinct. Doz., \$3.00; 3 for 85c.
- Dorothea.** An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue, with orange veinings. Very fine. Per 100, \$10.00; doz., \$2.00; 3 for 55c.



Monsignor

Pallida Dalmatica

- Fairy.** Beautiful white with blue border and veinings. One of the indispensables. Doz., \$3.60; 3 for \$1.00.
- Jeanne d'Arc.** Flowers large, petals broad, of a fresh clear lilac. "S" Ruffled, spreading in manner of Japanese Iris; "F" Pure white, bordered lilac. 3 ft. Per 100, \$15.00; doz., \$3.00; 3 for 85c.
- Kharput (Italia).** "S" Violet; "F" Violet purple, large handsome bloom. Per 100, \$10.00; doz., \$2.00; 3 for 55c.
- L'Avenir.** A beautiful shade of satin blue. Per 100, \$15.00; doz., \$2.40; 3 for 65c.
- Loute.** "S" light blue and heliotrope; "F" Reddish purple and bronze. Flowers of majestic proportions and striking color. Doz., \$6.00; 3 for \$1.65; each, 65c.
- Mme. Chereau.** One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Doz., \$2.40; 3 for 85c.
- Oriflamme.** "S" light blue; "F" violet purple; extra fine large flower. Doz., \$5.00; 3 for \$1.65; each, 65c.
- Pallida Dalmatica.** One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. Per 100, \$15.00; doz., \$3.00; 3 for 85c.
- Pres. Thiers.** "S" Lavender blue; "F" Deeper blue, white pencillings. Per 100, \$12.00; doz., \$2.40; 3 for 65c.
- Stormcloud (Nuee d'Orange.)** (New.) Very large flowers of grayish slate-blue, with bronze shading. "F" Purplish blue, very fine. Doz., \$5.00; 3 for \$1.65; each, 65c.

- Tamerlane.** "S" Pale violet; "F" deep purple. Magnificent, tall, bold. Doz., \$5.00; 3 for \$1.65; each, 65c.
- Violacea Grandiflora.** "S" and "F". Clear violet blue. The best true blue. Doz., \$5.00; 3 for \$1.65. each, 65c.

BRONZE SHADES

- Dr. Bernice.** "S" Coppery bronze; "F" Velvety crimson. Very handsome. Per 100, \$10.00; doz., \$2.00; 3 for 55c.
- Eldorado.** "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. A unique and brilliant color combination; grows 32 inches high. Per 100, \$12.00; doz., \$2.40; 3 for 65c.
- King of Iris.** "S" Lemon yellow; "F" Rich crimson bordered with gold; very tall with large flowers. Doz., \$5.00; 3 for \$1.65; each, 60c.
- Queen Alexandra** "S" fawn, shot with lilac "F" lilac reticulated at base bronze; beards yellow. Doz., \$3.00; 3 for 85c.

PINK SHADES

- Caprice.** "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. Per 100, \$15.00; doz., \$3.00; 3 for 85c.
- Isoline.** "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. Per 100, \$25.00; doz., \$3.60; 3 for \$1.00.
- Her Majesty.** "S" A lovely rose pink; "F" bright crimson tinged a darker shade. Doz., \$4.00; 3 for \$1.25; each, 50c.
- Lohengrin.** Large handsome pink silvery-mauve flowers. Per 100, \$15.00; doz., \$2.40; 3 for 65c.
- Marian.** "S" Lavender pink; "F" deep lavender pink of soft distinct color. Doz., \$3.00; 3 for 85c.
- Mme. Paquette.** "S" and "F" bright rosy claret; very handsome; early flowering. Doz., \$4.00; 3 for \$1.25; each, 50c.
- Queen of May.** "S" Lilac pink; "F" Lilac, blended with white; distinct. Per 100, \$12.00; doz., \$2.40; 3 for 65c.

(Iris Continued on Next Page)

VAUGHAN'S GIANT COLLECTION HARDY IRIS

Dalmarius, Gertrude, Isoline, King of Iris, Lohengrin, Mme. Chereau, Loute, Monsignor, Stormcloud and Twilight.
SPECIAL OFFER—One each of the above ten Iris for \$3.00 postpaid.

VAUGHAN'S COLLECTION OF PINK SHADES OF IRIS

Caprice, Isoline, Lohengrin, Marian, Queen Alexandra and Queen of May.
SPECIAL OFFER. One each of the above six Iris for \$1.75 postpaid.

RED, WHITE AND BLUE COL- LECTION

Mme Paquette Gertrude Mrs. H. Darwin. 1 Collection, 65c 3 Collections, \$1.75; 6 Collections, \$3.00 All Prepaid.

BARGAIN COLLECTIONS

One each, 6 varieties (6 plants) \$1.00
Two each, 9 varieties (18 plants) 2.00
Three each, 12 varieties (36 plants) 3.00
(Our Selection). ALL PREPAID.

HARDY IRIS SPECIAL MIXTURE

Doz., \$1.25 (postpaid); (by express) per 100, \$6.00; per 1000, \$50.00 (Exp.) (25 at 100 rate, 250 at 1000 rate.)

GOOD MIXTURE

For large plantings and naturalizing, splendid value. Per 100, \$3.00; per 1000, \$25.00 (exp.)

Vaughan's Perennial Flower Seeds and Plants



HOLLYHOCK—Double Mixed

IRIS—Continued

WHITE

- Florentina Alba.** Large pure white fragrant flowers. Doz., \$3.00; 3 for 85c; per 100, \$15.00.
- Mrs. H. Darwin.** "S" Clear waxy white; "F" White, violet veins. Per 100, \$10.00; doz., \$2.00; 3 for 55c.
- Nelly.** "S" Blue; "F" clear white with blue veining and blotches. Per 100, \$15.00; doz., \$2.40; 3 for 65c.
- Queen Emma.** "S" and "F" pure white faintly flushed blue; long tapering standards and very long falls, possesses a pleasing fragrance. Each, 85c; 3 for \$2.40.
- Rhein Nixe.** "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. Beautiful in massed effects. Per 100, \$15.00; doz., \$2.40; 3 for 65c.

VARIOUS IRISES

- SIBIRICA Orientalis.** (Yale Blue.) A slender, graceful tall-growing Iris, with deep blue flowers. Doz., \$3.00; 3 for 85c.
- Snow Queen.** Snow-white flowers borne on strong erect stems. Doz., \$3.00; 3 for 85c.
- PUMILA Hybrida.** Dwarf variety of German Iris, growing about 8 inches high, very free-blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. 3 for 85c; doz., \$2.00; per 100, \$10.00.

IRIS

- 5310 **Kaempferi** (Japanese Iris). The seeds we offer have been saved from our own unrivalled collection, and should produce only varieties of the highest merit. Seed of slow germination. Pkt., 10c.

HESPERIS MATRONALIS (Sweet Rocket)

Deliciously sweet scented flowers for garden or cutting. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

- 5276 **Purpurea.** Purple. Pkt., 10c.
 5277 **Alba.** White. Pkt., 10c.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

- Citrina.** June-July. Pale Citron yellow. 2 ft. Plants, 3 for 85c; doz., \$3.00.
- Flava.** July-Aug. Yellow. 3 ft. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.
- Thunbergii.** July. Golden yellow. 4 ft. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

HEMEROCALLIS—Continued

- Kwanso,** fl. pl. June-July. Coppery red double. 3 ft. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.
- Sovereign.** June-July. Chrome yellow. 3 ft. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

HEUCHERA (Alum Root)

They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine flowers make them invaluable for cutting.

- 5279 **Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Splendid for cutting. Pkt., 25c.
- Brizoides Gracillima.** May-June. Rosy Carmine. 2 ft. Plants, 3 for \$1.00; doz., \$3.60.
- Nancy Perry.** Plants, 3 for \$1.00; doz., \$3.60.

HIBISCUS (Rose Mallow) 3 to 5 Ft.

Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

- 5281 **Crimson Eye.** Creamy white flowers, large crimson center. Pkt., 10c.
- 5282 **Golden Bowl.** Deep cream, with a velvety maroon center. Pkt., 10c.
- 5283 **Moscheutos** (Rose Mallow). Very showy pink flowers. Pkt., 10c.
- 5284 **Mixed Mallow Marvels.** Grand assortment. Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5285 **Mallow Marvels,** red, very choice. Pkt., 15c. Plants, 3 for \$1.25; doz., \$4.00; 100, \$20.00.
- Mallow Marvels.** Pink. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- Mallow Marvels.** White. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

HOLLYHOCK

One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy, but much can be done to prevent it and reduce the damage by spraying the plants with Bordeaux mixture. 6-8 feet. Aug. to Sept.

Double Varieties

- | | |
|-------------|----------------|
| 5286 White | 5290 Salmon |
| 5287 Maroon | 5291 Yellow |
| 5288 Rose | 5292 Crimson |
| 5289 Black | 5293 Blood-Red |

- Each color, pkt., 10c.
- Yellow, Maroon, Pink, White or Red.** Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5297 **Newport Pink.** The finest pure pink, exquisite shade. Pkt., 15c.
- 5299 **Allegheny Mixed.** Flowers come single, semi-double and double, seldom less than 5 inches across, and are beautifully fringed. They are perpetual bloomers, two to four buds forming at the base of every leaf, where the old-style Hollyhocks have but one



LOBELIA CARDINALIS

Special Offer of Perennial Seeds: Any 3 10c pkts. for 25c. Any 2 15c pkts. for 25c.



LATHYRUS Latifolius (Perennial Pea)

HOLLYHOCK—Continued

- or two. These buds open in succession, prolonging the flowering season until autumn. Pkt., 10c.
- Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
- 5300 **Vaughan's Prize Mixture.** Finest shades in perfect flowers. Pkt., 10c.

Single Varieties

- More permanent and hardy than the double and when planted with a deep green background, such as arborvitae hedge, they afford a most striking effect. Fine among shrubbery and will last for years when once established.
- | | |
|------------|-------------|
| 5301 Red | 5305 Rose |
| 5302 Pink | 5306 White |
| 5303 Black | 5307 Salmon |
| 5304 Flesh | |
- Each, pkt., 10c.
 5308 **Mixed.** Pkt., 10c.

HYACINTHUS

- 5309 **Candicans.** White Yucca-like flowers. Very decorative. Pkt., 10c.

HYPERICUM (St. John's Wort)

A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense sunny buttercups. A most desirable plant for sunny situations.

- Moserianum.** July-Sept. Golden yellow. 3 ft. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 inches, covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

- 5312 **Gibraltarica.** Pinkish white. Pkt., 10c.
 5313 **Sempervirens.** Flowers form a sheet of whiteness. Pkt., 15c.

INCARVILLEA

- 5314 **Delavayi** (Hardy Gloxinia). 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Pkt., 10c.
- 5315 **Grandiflora.** 1 ft. Dwarf crimson flowers with white and yellow throat. Pkt., 10c.

LATHYRUS Latifolius

Hardy Pea

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

- 5316 **Albus.** 6 ft. Pure white. Pkt., 10c.
 5317 **Pink Beauty.** Pale pink variety. Pkt., 10c.
 5318 **Rubra.** Bright rosy crimson. Pkt., 10c.
 5318a **White Pearl.** Large-flowering white. Pkt., 15c.
 5319 **Mixed.** The above colors. Pkt., 10c.

Vaughan's Perennial Flower Seeds and Plants



LUPINUS POLYPHYLLUS

LAVENDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

—Vera. (True Lavender.) June-Aug. Blue. 2 ft. Plants, 3 for \$5c; doz., \$3.00.

LINARIA (Toad Flax)

Showy free flowering plants of a trailing habit. Good for borders, window boxes, or rockeries. 5323 Cymbalaria (Kenilworth Ivy). 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. Pkt., 10c.

LINUM (Flax)

5326 Perenne. 2 ft. Pearly blue flowers. A graceful hardy perennial. Pkt., 10c.
5327 Album. Milk white flowers, very decorative. Pkt., 10c.
5328 Mixed. Pkt., 10c.
5328a Flavum. 1 ft. Yellow. Pkt., 10c.

LOBELIA

5329 Cardinalis (Cardinal Flower). 2 ft. July-Oct. Brilliant fiery scarlet flowers, prefers moist position. Pkt., 10c.

LUNARIA

5331 Biennis (Honesty or St. Peter's Penny). Flowers white, followed by silvery seed pods, prized for winter decoration. Pkt., 10c.
5332 Alba. Pure white. Pkt., 10c.

LUPINUS (Lupin)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom. 5333 Polyphyllus (Old-fashioned Garden Lupin). Blue. 3 ft. Stately spikes of blue, flowers all summer. Pkt., 10c.
5334 Albus. Large pure white spikes. Pkt., 10c.
5335 Roseus. 4 ft. Light and dark rose flowers on long stem; fine for cutting. Pkt., 15c.
5335a Moerheimi. Pink and white. Pkt., 10c.
5346 Mixed. Splendid value. Pkt., 10c.
5347 Arboreus, Snow Queen. 4 ft. The beautiful white Tree Lupin, forms a bush like a flowering shrub. Pkt., 10c.

LYCHNIS

5348 Chalcedonica (Jerusalem Cross). 3 ft. June-Aug. Burning Star. Flowers which are of the most fiery red imaginable, appear in clusters, each individual blossom forming a perfect maltese cross. Will bloom from seed the first year. Pkt., 10c.
Plants, 3 for \$5c; doz., \$3.00; 100, \$15.00.
5348a Chalcedonica Alba. White. Pkt., 10c.
5350 Alpina. 4 in. Clusters of rose colored flowers, dwarf. Pkt., 20c.
5351 Fulgens. Bright scarlet. Pkt., 10c.

LYOHNIS—Continued.

5352 Haageana. Orange, scarlet. Pkt., 10c.
5352a Haageana Nana. Mixed. Dwarf. Pkt., 10c.
5353 Hybrids. Mixed, ranging from nearly white to bright scarlet. Pkt., 10c.
5354 Viscaria Splendens. 1½ ft. Makes large clumps of almost evergreen foliage. Comes into bloom in early June and continues for six weeks or more. Its flowers are bright crimson; useful for cut-flowers. Without doubt one of the finest red-flowered hardy perennials. Pkt., 10c.
5355 Seiboldi. Large pure white flower, Pkt., 10c.

LYTHRUM

5357 Roseum Superbum. 4 ft. A native perennial, good for massing, flowers rosy-lilac produced on long slender spikes. Pkt., 10c.

MICHAELMAS DAISY—See Aster

MYOSOTIS (Forget-Me-Not). 4 to 9 in.

The true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot bed or cold frame accommodations for wintering the yearling plants.

5359 Dissitiflora. Rich blue, early and compact. One of the best. Pkt., 10c.
5360 Palustris. The true Swamp Forget-me-not. Pkt., 20c.
5361 Semperflorens. Dwarf blue, in flower from early spring until autumn. Pkt., 20c.
5362 Vaughan's Early and Late Flowering. The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year. Pkt., 10c.
5363 Ruth Fisher. It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. Pkt., 25c.

OENOTHERA (Evening Primrose)

Showy and beautiful plants for borders, beds, etc., flowering from June to October. 5365 Fraseri. Rich golden yellow flowers. Pkt., 10c.
5365a Lamarkiana. 2 ft. Large flowered, yellow. Pkt., 10c.
5366 Macrocarpa. 1 ft. Long trailing stems with large yellow flowers. Pkt., 10c.
5366a Youngi. Yellow. Pkt., 10c.

MERTENSIA (Blue Bells or Virginian)

Cowslip

A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade. —Virginica. May-June. Light blue. 18 in. Plants, 3 for \$5c; doz., \$3.00; 100, \$15.00.



MERTENSIA VIRGINICA



ORIENTAL POPPY

MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

—Didyma. June-Sept. Brilliant scarlet. 3 ft. Plants, 3 for \$5c; doz., \$3.00; 100, \$15.00.

NEPETA

These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.

—Mussini. May-Sept. Light blue. 1 ft. Plants, 3 for \$5c; doz., \$3.00; 100, \$15.00.

PACHYSANDRA

Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.

—Terminalis. May. White. 4-6 in. Plants, 3 for \$5c; doz., \$3.00; 100, \$15.00.

PAPAVER (Poppy)

5367 Nudicaule (Iceland Poppy). 15 in. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Pkt., 10c.
5368 Nudicaule Yellow. 5369 Orange. 5370 White. Any color. Pkt., 10c.
Plants, 3 for \$5c; doz., \$3.00; 100, \$15.00.
5371 Double Mixed. Extra fine strain. Pkt., 15c.
5372 Bracteatum. 3 ft. Scarlet. Pkt., 10c.

PAPAVER Orientale—(Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders, while for cutting they are invaluable. 3 ft.

5373 Perry's White. Satiny silver white with dark blotches on base. Pkt., 25c.
5374 Oriflamme. Large orange scarlet. Pkt., 25c.
5374a Mrs. Perry. Large apricot orange. Pkt., 25c.
—Royal Scarlet.
Plants, 3 for \$5c; doz., \$3.00; 100, \$15.00.
5374b Princess Victoria Louise. Large flower, soft lilac rose color. Pkt., 15c.
5375 Oriental Red. Very striking color. Pkt., 10c.
5376 Oriental Hybrids, Mixed. Pkt., 10c.

PENTSTEMON (Beard Tongue)

The pentstemons bloom persistently through the summer, and are found very useful for cut-flowers, or for color masses in the garden. Easily grown in any garden soil.

5377 Pubescens. Rosy purple. Pkt., 10c.
5378 Mixed, all colors. A choice assortment. Pkt., 10c.
5380 Large Flowering Newest Hybrids. A splendid assortment of colors. Pkt., 15c.
5381 Digitalis. 2 ft. June-July. Purple and white. Pkt., 10c.

Vaughan's Perennial Flower Seeds and Plants



STATICE Latifolia

PHLOX (Hardy)

5382 (Decussata.) Perennial varieties mixed from a celebrated collection. Seed slow in germination and may not sprout in a year. Pkt., 10c.

PHYSALIS

5385 Franchetti (Chinese Lantern Plant). 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns. Pkt., 10c.

PHYSOSTEGIA (False Dragon Head)

Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.

5386 Virginica. Dense bushes with spikes of delicate pink tubular flowers. 3 ft. June to Sept. Pkt., 10c.

5387 Alba. White. 3 ft. June to Sept. Pkt., 10c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.
—Grandiflora. June-Sept. Pink. 3 ft.
Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

PLATYCODON (Chinese Moon Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons, they flower from June to September.

5391 Grandiflorum. Large handsome deep blue flowers. Pkt., 10c.

5392 Album. Pure white. Pkt., 10c.

5393 Mariesii. 1 ft. Deep blue flowers, dwarf. Pkt., 10c.

5394 Mariesii Alba. White. Pkt., 10c.

POLEMONIUM (Jacob's Ladder)

5395 Coeruleum (Greek Valerian). 2 ft. Beautiful sky-blue spikes. Pkt., 10c.

5396 Grandiflorum Album. Pure white. Pkt., 10c.

POTENTILLA (Cinquefoil)

5397 Formosa. Strawberry-like foliage, with cherry rose colored flowers in summer. Pkt., 10c.

5399 Single Mixed. All colors. Pkt., 10c.

5400 Double Mixed. All colors. Pkt., 20c.

POPPY—See Papaver

PRIMULA (Primrose)

These Hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

5401 Auricula. 6 in. flowers in early spring in colors of yellow, brown and red. Pkt., 10c.

5402 Japonica. Mixed. Pkt., 15c.

5404 Veris (Eliator). The pale yellow Oxlip, bearing flowers in umbels. Pkt., 10c.

5405 Grandiflora. An extra choice large-flowered mixed strain. Pkt., 20c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

5406 Lutea Gigantea. Fine yellow, a remarkably handsome variety. Pkt., 25c.

—Rheingold. June-July. Orange and red.

10 in. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

PUERARIA (Kudzu Vine)

5410 Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk). 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. Pkt., 10c.

PYRETHRUM (Painted Daisy)

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink.

5411 Roseum, Double Mixed. Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Pkt., 25c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

5412 Roseum, Single Mixed. Pkt., 10c.

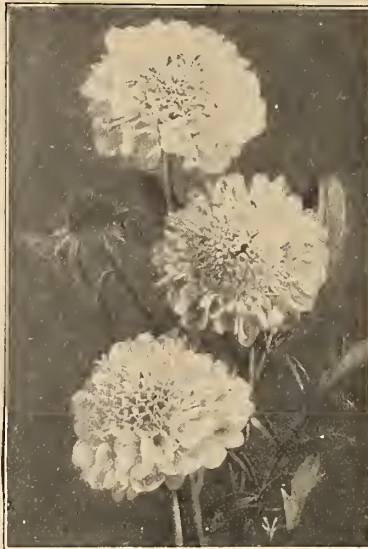
5413 Roseum Hybridum Grandiflorum. Single Mixed. Pkt., 15c.

RANUNCULUS (Buttercup)

Acris is the well-known double yellow buttercup so effective either as a cut flower or grouped in the Hardy borders. Repens is a showy plant bearing rosettes of double yellow button-like flowers during May and June. Likes a shady or partial shady situation in rich soil.

—Acris fl. pl. (True Buttercup). May-June. yellow.

Plants, 3 for \$1.00; doz., \$3.60.



SCABIOSA CAUCASICA

ROMNEYA

5419 Coulteri (California Tree Poppy). 5 ft. Flowers all summer. Beautiful snowy white fragrant flowers. Pkt., 15c.

RUDBECKIA (Cone Flower)

The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color.

5422 Fulgida, yellow. Pkt., 10c.

5423 Large Flowered Yellow. Pkt., 10c.

5424 Newmannii. 3 ft. Rich golden yellow with central black disc. Pkt., 10c.

5425 Purpurea Grandiflora, Syn., Echinacea Purpurea (Purple Cone Flower). 3 ft. September; large handsome crimson-purple flowers with dark central disc. Pkt., 10c.

—Laciniata fl. pl. (Golden Glow). July-Oct.

Yellow. 5-7 ft.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

SALVIA

Beautiful plants, with long spikes of tubular blue flowers. Leaves of *Officialis* used for seasonings and dressings. *Pitcheri* makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.

5426 Argentea. 3 ft. Silvery-white foliage, pyramids of white flowers. Pkt., 10c.

5427 Azurea Grandiflora. 4 ft. Sept.-Oct.

Stately willow-like growth, spikes of pale blue flowers. Pkt., 10c.

SALVIA—Continued.

5428 Patens. 2 ft. Large rich pure blue flowers. Pkt., 25c.

—*Pitcheri* (Meadow Sage). Sept.-Oct. Deep blue. 3½ ft.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

—*Officialis*. (Common Sage)

Plants, 3 for 65c; doz., \$2.50; 100, \$12.00.

SANTOLINA

5430 Maritima (Incana). 1 ft. Silvery white fragrant foliage. Pkt., 10c.

SAPONARIA

5433 *Ocymoides Splendens*. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. Pkt., 10c.

SCABIOSA (Pincushion)

5434 Caucasica. Flowers on long stem; fine for cutting. Pkt., 15c.

5435 Caucasica Alba. Flowers white, very beautiful. Pkt., 15c.

5436 Japonica. 2 ft. Lavender blue flowers. Pkt., 10c.

SEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.

—*Acre*. (Golden Moss.) May-June. Bright yellow. 3 in.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

—Brilliant. June-July. Scarlet. 12 in.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

—Rubrum. June-Aug. Brilliant red. 18 in.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

SPIRAEA (Meadow Sweet)

Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage. The graceful plumes of *Venusta* are a handsome sight when in full bloom.

—*Filipendula* fl. pl. (Dropwort.) June-July. Double white. 18 in.

Plants, 3 for 85c; doz., \$3.00.

SILENE (Catchfly). July to Oct.

Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.

5439 *Orientalis*. 8 in. Handsome rosy pink flowers. Pkt., 10c.

5440 *Schafta*. 4 in. July-Oct. Bright rose; one of the best Autumn border plants. Pkt., 15c.

SOLIDAGO (Golden Rod)

5442 *Canadensis*. 3 ft. Gracefully arched sprays of golden yellow flowers. Pkt., 10c.

STACHYS

5443 *Lanata*. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. Pkt., 10c.

STATICE (Sea Lavender)

Large spreading panicles of light graceful flowers, much prized for winter decoration dried.

5444 *Latifolia*. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c.

Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.



SEDUM SPECTABILE



RHEINLANDER



MISS LASSBERG



EUROPA



ANTONIN MERCIE

VAUGHAN'S HARDY PHLOX *Phlox Decussata*

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted, they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Antonin Mercie. A beautiful grayish lilac with white center. A favorite among the light varieties.

Crespuscule. Large cherry-red center, edged pale violet pink. The individual florets and spike are immense.

Elizabeth Campbell. Bright salmon pink with lighter shadings and dark crimson eye. There is no better pink phlox and few as large.

Etna. Dark crimson and orange without any markings. Good sized flowers in compact trusses.

Per doz., \$3.00; 3 for 85c.
Per doz., \$5.00; 3 for \$1.50.
Per doz., \$3.60; 3 for \$1.00.

Europa. White, distinct carmine eye, large flower. A general favorite.

Maculata Alpha. (Suffruticosa.) Early variety with dark pinkish mauve flowers, stems usually spotted and slender.

Miss Lassberg. The purest snow-white in cultivation. Extra fine. Large open truss, ideal as a cut flower.

Miss Lingard. (Suffruticosa.) Pure white; the earliest of all. Blooms all summer; good for cut flowers.

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers.

Rheinlander. A new variety of great beauty, a rare shade of salmon pink intensified by a distinct caret-red eye. Flowers and truss of unusual size.

Rhynstrom. Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and very free flowering.

R. P. Struthers. Rosy carmine with claret eye.

Wanadis. Mottled white and light violet, intensified with bright purplish-red eye; very distinct.

Per doz., \$3.60; 3 for \$1.00.

MIXED. 1 year field-grown plants of a choice mixture of colors. Named varieties. Our selection.

Per 100, \$15.00; doz., \$2.40; 3 for 65c.
Special Offer: No. 106. One each of 10 varieties, our selection from above. All distinctly labeled for \$2.50 by express, not prepaid.

Special Offer: No. 106A. One each of 6 varieties (six plants), our selection. Distinctly labeled for \$1.50 postpaid.

Special Offer: No. 106 B. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for \$1.25 postpaid.

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

—Divaricata Canadensis. One of our native species which is worthy of extensive planting, commencing to bloom early in April and continuing through May with large fragrant lavender flowers on stems 10 inches high.

—Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June, height 4 in.

—Subulata Rosea. Same as above but with dainty pink flowers. This and Alba are fine for graves.

Per doz., \$2.40; 3 for 65c; 100, \$15.00.
Per doz., \$3.00; 3 for 85c; 100, \$16.00.
Per doz., \$3.00; 3 for 85c; 100, \$16.00.

STOKESIA (Stokes Aster)

5446 **Cyanea.** 18 in. July-Oct. Flowers rich blue, like a giant cornflower, very distinct. Pkt., 10c.

5447 **Cyanea Alba.** The white companion of the preceding. Pkt., 10c.

5448 **Mixed Colors.** Pkt., 10c.

THALICTRUM (Meadow Rue)

These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. *Dipterocarum* is a beautiful and rare plant bearing light sprays of lilac flowers.

5449 **Adiantifolium.** 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. Pkt., 10c.

5449a **Aquilegfolium Album.** Showy feathery plumes of white flowers, graceful fern-like foliage. Pkt., 10c.

5450 **Dipterocarum (New).** 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. Pkt., 25c.

Plants, 3 for \$1.00; doz., \$3.60; 100, \$20.00.

TRILLIUM (Wake Robin)

One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial

shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.

—Grandiflorum. May-June. White. 12 in. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

TRITOMA (Torch Lily, Flame Flower)

Red Hot Poker

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

5454 **Uvaria Grandiflora.** 4 ft. Aug.-Nov. The ordinary red Tritoma. Pkt., 10c.

—Pfitzeri. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

VALERIANA (Garden Heliotrope)

5456 **Rubra.** 2 ft. Sweet scented red flowers. Pkt., 10c.

5457 **Alba.** Pure white flowers. Pkt., 10c.

VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

5460 **Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. Pkt., 10c.

5461 **Perennial Varieties Mixed.** Pkt., 10c.

—Amethystinum. June-July. Blue. 2 ft. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

—Spicata Alba. June-July. White. 18 in. Plants, 3 for 85c; doz., \$3.00; 100, \$15.00.

VINCA (Periwinkle, Grave Myrtle)

Valuable for rockeries or makes a grand ever-green carpet under and about shrubs and trees.

—Minor (Grave Myrtle). 4 in. June. Green foliage, large blue flowers.

Plants, 3 for 65c; doz., \$2.50; 100, \$12.00.

VIOLA (Violet)

5471 **Single.** Deep blue, common single violet. Pkt., 10c.

—Cuculata. Plants, 3 for 65c; doz., \$2.50; 100, \$12.00.

YUCCA (Adam's Needle)

5472 **Filamentosa.** 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, with the sword-like foliage. Pkt., 10c.

—2 year. Plants, 3 for 85c; doz., \$3.00.
—3 year. Plants, 3 for \$1.25; doz., \$4.00.

Special Offer of Perennial Seeds: Any 3 10c pkts. for 25c. Any 2 15c pkts. for 25c.

Giant Hybrid Amaryllis and New Golden Calla

AMARYLLIS—New Hybrids



GIANT-FLOWERED AMARYLLIS

Vaughan's New Hybrids (See illustration).

This selection of giant bloomers in wonderfully varied and brilliant colorings has been made from thousands of seedlings produced from hand hybridized flowers by an expert grower. We have secured the entire supply of large bulbs. For three years past the dark colors, the medium striped and the super-light striped have been separated. We shall soon offer separately, meanwhile these here offered will be found to contain nearly all markings from deep red to near white.
 Price, 3-year old bulbs, large size, 7 to 9 inches in circumference, each, 60c; doz., \$6.00, prepaid; 25 for \$10.00, not prepaid.

BELLADONNA MAJOR. Fine variety for fall blooming, very free-flowering and fragrant. Flowers a lovely shell-pink color, stems 2 to 2½ feet high.
 Price, each, 35c; doz., \$3.50; 25 for \$6.75, prepaid.

APIO TUBEROSA Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria; are very fragrant and of a deep purple color.
 Price, each 10c; doz., 75c, 25 for \$1.25, prepaid.

Golden Yellow Calla Lily Calla Elliotiana

Though known during war period, bulbs have been so scarce and dear, the plant has not become generally known. We are now having many grown for us in California and can supply now at very reasonable prepaid prices for two sizes.
 Mammoth bulbs, 50c; doz. \$5.00; 25 for \$9.00, prepaid.
 Medium bulbs, 40c; doz. \$4.00; 25 for \$7.50, prepaid

CALADIUM Esculentum (Elephant's Ear)

One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

FIRST SIZE. 5 to 7-inch circumference.
 Price, each, 10c, postpaid, doz., 75c; 25 for \$1.40, not prepaid.
SELECT SIZE. 7 to 9-inch circumference.
 Price, each, 15c; by exp., doz., \$1.25; 25 for \$2.25.
EXTRA LARGE. 9 to 11-inch circumference.
 Price, each, 25c; by exp., doz., \$2.00; 25 for \$3.75.
MAMMOTH SIZE. 12-inch and up circumference.
 Price, each, 40c; by exp., \$4.00; 25 for \$7.75.
 Mailing weights for each size per dozen bulbs are as follows: First size, 4 lbs., Select 6 lbs., Extra, 10 lbs., Mammoth, 17 lbs.
 (For started plants, May 20, add 5 cents per plant to these prices.)

CHLIDANTHUS FRAGRANS Of free-flowering habit, with beautiful lemon flowers; very fragrant, 10c; doz., 75c; 25 for \$1.40, prepaid.

CINNAMON VINE Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves, and sweet-scented flowers. Vines will run 25 to 40 feet in a season.
 Small roots. Price, 3 for 20c; doz., 70c; 25 for \$1.30, prepaid.
 Large Roots, 10c; 3 for 25c; doz. \$1.00; 25 for \$1.90, prepaid.

HYACINTHUS CANDICANS (Summer Hyacinth). Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.
 Price, each, 10c; doz., \$1.00, postpaid; by exp., 25 for \$1.90.

Why
 Vaughan's
 Bulbs
 are
 Successful

These bulbs and roots are matured and contain in themselves stored up plant food which brings them into fine flower or handsome foliage when tender plants or seedlings fail to grow or require long time to develop. They give results everywhere.

Prices given for single bulbs and certain dozen prices includes prepayment. Other quantities are not prepaid free unless so marked. See inside back cover page for exact particulars.

(Word "Exp" means sent at buyer's expense.)

IPOMOEA PANICULATA (Mexican Morning Glory.) Introduced and at present supplied only by us. The vine grows 25 feet long, and the leaves are 10 inches apart, with a cluster of pinkish lavender flowers at each leaf. Keep roots in winter like dahlias.

First Size. Price, each, 35c; doz., \$3.50 (exp.)

Extra Size. Price, each, 50c; doz., \$5.00 (exp.)

ISMENE CALATHINA Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy.

Price, each, 15c; doz., \$1.50, prepaid; 25 by exp., for \$2.75

MADEIRA VINE One of the best and most popular climbers for foliage effect.

Price, each 10c; doz. \$1.00, postpaid; 25, prepaid, \$1.90.

OXALIS (Summer Flowering). These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. Colors, white, red, pink. Price, either color, doz., 30c; 100 for \$1.25, postpaid; 25 by exp., for \$3.00.

ZEPHYRANTHUS One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

CANDIDA. Pure white and the most profuse bloomer of all.

Price, each, 10c; doz., 75c; 25 for \$1.40, postpaid.

ROSEA. Beautiful clear rose; flowers large and very handsome.

Each, 15c; doz., \$1.60, 25 for \$3.00, postpaid.

TUBEROSES, Double and Single

Easily recognized by its exquisite fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut-flower. If started in warm place in pots, and end of May moved to open ground, can be flowered much earlier.

EXCELSIOR DWARF PEARL Our Excelsior Dwarf Pearl is a special selection, made for many years, of the most dwarf double and full flowered spikes.

MAMMOTH BULBS. Price, each, 15c; doz., \$1.25; 25 for \$2.35, postpaid.

FIRST SIZE. Price, each, 10c; doz., 75c; 25 for \$1.40, postpaid.

SECOND SIZE. Desirable only because of lower price.

Each, 5c; doz., 50c; 25 for 90c, prepaid; 50 by exp., \$1.70.

ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and has a fragrance similar to the "Jasmine." Price, each, 7c; doz., 75c, postpaid; 25 for \$1.40, not prepaid

SILVER-LEAVED. An early single flower, with striped leaves, making a grand show with its striking foliage. Price, 7c; doz., 75c; 25 for \$1.40, not postpaid.

ALBINO. Branching single variety, early.

Price, 7c; doz., 75c; 25 for \$1.40, postpaid.

MEXICAN TUBEROSE These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single true tuberosa fragrance.

Price, 7c; doz., 75c; 25 for \$1.40, postpaid; 50 by exp., \$2.65.



GOLDEN-YELLOW CALLA LILY

Vaughan's Lily Bulbs

Imported by us from France, Holland and Japan; grown also in U. S.

For Out-door Beds or the Hardy Plant Border

FOR color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Free pamphlet, "Naturalizing Lilies," ask for it with order.

Outdoor Culture.—When planting Lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border.

Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leafmould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep, putting some sand under and around the bulbs.

For leaflet "Indoor Lily Culture," write us.

LILY BULBS BY PARCEL POST } For postage zone rates see inside back cover

Approximate weights: 8 to 9-inch, doz., 4 to 5 lbs.; 9 to 11-inch, doz., 6 to 7 lbs.; 11 to 12-inch, doz., 9 to 10 lbs.

Lilium Myriophyllum or Regale

A new and rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and it is equally hardy with the others here offered. Each, 75c; doz., \$8.00.

Auratum Platyphyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger, the petals more overlapping, and of greater substance. **First Size** (8 to 9 inches), each, 50c; doz., \$5.00.

Lily of the Valley

Large Clumps. For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, 75c, postpaid.



Lilium Auratum (As above)

The Gold-banded Lily of Japan

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for planting out in the shrub or plant borders. Its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection. These bulbs are imported by us from Japan packed in earth. You should plant them at once when received, as when taken from soil and exposed to open air they often decay.

First Size (8 to 9 inches), each, 35c; doz., \$3.50; 25 for \$6.75.
Mammoth (9 to 11 inches), each, 50c; doz., \$5.00; 25 for \$9.50.
Jumbo (11 to 12 inches), each, 75c; doz., \$7.50.

Lilium Speciosum (Lance Leaved Lily)

These lilies in two distinct colors, pure white and rich purple striped, are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem and the top buds open later, giving often two weeks' flowering on each plant.

	Each	Per doz.	Per 25
Album. (White.) First Size (8 to 9 in.)	\$0.40	\$4.00	\$ 7.50
Mammoth. (9 to 11 in.)	.60	6.00	11.00

	Each	Per doz.	Per 25
RUBRUM MAGNIFICUM. Spotted purple-red with white edges. Most satisfactory of the Speciosum class.			
First Size. (8 to 9 in.)	.35	3.50	6.75
Mammoth. 9 to 11 in.)	.50	5.00	9.50
Jumbo. (11 to 12 in.)	.75	7.50	.....

Various Hardy Lilies

	Each	Per doz.	Per 25
Canadense (Meadow Lily). Gracefully drooping bell-shaped, red and yellow flowers.	\$0.15	\$1.60	\$ 3.00
Henryi. A rare and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown.	.60	6.00	11.00
Elegans Mixed. A splendid assortment of this type.	.15	1.60	3.00
Krameri. Delicate rose-pink of elegant outline and graceful habit. Blooms in July.	.35	3.25	6.00
Superbum. The finest of the native lilies. Flowers bright orange, spotted purple.	.15	1.60	3.00
Tigrinum Splendens. Very hardy native lily; orange, spotted purple.	.20	2.00	3.75
Tigrinum Flore Pleno. The well-known double Tiger Lily. Rich orange, 4 ft.	.20	2.00	3.75
Tigrinum Fortunei (Improved Tiger Lily). Bulbs will produce more flowers than the ordinary variety	.20	2.00	3.75
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot.	.25	2.50	4.50
Vaughan's Lily Collection. 12 fine kinds, all different, \$3.00; 24 bulbs (2 each) for \$5.00.			

All above prices are at buyer's expense by express, or if by parcel post see top of page for weights, and add postage to your order.

Vaughan's Seed Store, Chicago, Ill.

April 18, 1921.

Dear Sirs.—I feel that I must take this opportunity to tell you how well the bulbs I have had from your store turned out. I received 60 gladiolus bulbs of the Homewood Mixture two years ago and every one blossomed. They were really wonderful. One spike bore twenty blossoms and another measured five inches across one blossom. They were the pride of our garden.

Sincerely yours, F. McDOUGALL,
 5873 Celeron St., Detroit, Mich.



LILIIUM SPECIOSUM RUBRUM

Bedding Plants For Beds, Porches and Window Boxes

THESE plants, from our own greenhouses, are carefully grown and thoroughly hardened off before being sent out. We pack carefully, and prefer to send by express, as they travel and arrive in better condition.

If wanted by Parcel Post, add for postage:
 5c per plant; 10c for three; 20c per dozen.
 Unless marked otherwise the first size offered below of each, has been grown in a 2-inch or 2½-inch pot.

Note.—These plants are ready May 1st, and should not be planted out of doors earlier than that in the latitude of Chicago or New York.

ALYSSUM, Vaughan's Little Gem. The best pure white dwarf Alyssum. Height of plant 5 inches. Each Doz. 100
 \$0.20 \$0.85 \$6.00

ANTIRRHINUM (Snapdragon), Vaughan's Select Tall Strain. For gorgeous coloring, few flowers can match Snapdragons. The flowers of this new strain are of very large size and are produced on immense long spikes, which render them extremely well adapted for cut flowers. Pink, red, white, yellow or mixed. 2 inch pots. .20 .85 6.00

ASTERS, Vaughan's Giant Branching. Beautiful Asters for cut flowers. Quite different in several respects from any other Aster known. The branching habit is accompanied by great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long stiff stems and the color's clear and handsome. Lavender, red, rose, pink, shell-pink, purple, white, mixed. Transplanted. From 2½ inch pots. .20 .75 5.00

BEGONIA, Glorie de Chatelaine. Silvery pink, compact habit, strong, vigorous grower. .25 1.50 10.00
 From 3 inch pots. .35 2.50 15.00

LUMINOSA. Bright scarlet. Red foliage. .25 1.50 10.00

CALADIUM Esculentum. (Elephant's Ear.)
 Started plants, 5 inch pots. .50 5.00
 Started plants, 6 inch pots. .75 8.00

Fancy Leaves. (See House Plants.)

CASTOR OIL BEAN PLANT. (Ricinus) Green or Red. For tropical foliage beds. .25 1.20 8.00
 From 4 inch pots. .35 2.50

CENTAUREA Gymnocarpa. (Dusty Miller). The gray fern-like leaves make effective contrast border between green and brilliant plants in beds. Grows 10 inches high. .20 .85 6.00

COLEUS. Dr. Ross. A fine variety for decorative purpose. Enormous leaves like a Rex Begonia, but most exquisitely colored, being a blending of yellow, crimson, pink and green. 2½-inch. .25 1.20 8.00

CUPHEA Platycentra (Cigar Plant.) Flowers tubular in shape. 1½ to 2 inches long, and have 2 bright scarlet wings at the end of each flower. 2¼-inch. .20 .85 6.00

DRACAENA Indivisa. Long green leaves; 3 inch pots. .30 2.50
 From 4 inch pots. .50 5.00
 5-inch, larger plants, 75c and \$1.00.

FUCHSIA.

Black Prince. A misnomer as far as name is concerned, being of a bright, waxy carmine; tube and petals large and broad, with pale green tips; large open pale pink corolla.

Elm City. A very pretty variety and one that is always in demand. Sepals a rich crimson; corolla deep purple and very double, free-flowering and easy to grow.

Mrs. E. G. Hill. Compact grower making a nice shapely plant; sepals bright crimson, with large, pure white corolla. Perfectly double and free.

Speciosa. A thrifty grower with ornamental foliage, the green leaves showing red veins at the base. Flowers single with pale carmine sepals and deep scarlet corolla.

Trailing Queen. A lovely drooping habit displaying a mass of beautiful foliage and large flowers of rosy-scarlet and violet purple color. Flowers borne in clusters, buds long and graceful. .20 2.00

Price, 2½-inch pots.

SPECIAL OFFER No. 109. One each of above 5 plants for 75c. postpaid.

GERANIUMS. Green leaved.

Geraniums are the best known and most extensively used of all bedding plants. Our list is limited to a few most serviceable varieties.

Beaute Poitevine. A favorite semi-double pink. .20 1.50 10.00

Cousin Janie. Beautiful clear rich pink. .20 1.50 10.00

Lucifer. Double. Glowing scarlet, very large flower heads.

La Favorite. The best double white.

S. A. Nutt. Best dark crimson-scarlet bedder.

Prices of above, except where noted. .20 1.20 8.00

From 3 inch pots. .25 2.00 15.00

From 4 inch pots. .35 3.00 22.50

PANSY-GERANIUM, (Pelargonium).

Easter Greeting. Large, bright amaranth red. 4 in. .30 3.00

Mrs. Loyal. A grand variety for house culture. 4 in. .50 5.00

HELIOTROPE, Centefleur. Dark purple. .20 1.20 8.00

From 4 inch pots. .35 2.50 18.00

Mammoth Mixed. .20 1.00 7.00

From 4 inch pots. .25 2.00 15.00

LANTANIAS.

Alba Perfecta. Pure white; compact habits.

Aurora. Large-flowered dark and light shades of pink with yellow center.

Buttercup. (Buttercup yellow.)

Radiation (Tall.) A grand combination of color brilliant and red shading.

Weeping Lantania. A trailing sort for vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter.

Price, 2½-inch pots. .20 2.00

SPECIAL OFFER No. 109A. One each of above 5 plants for 75c. postpaid.

LOBELIA. Bedding Queen. Bright blue. .20 .85 6.00

MARGUERITE, Mrs. F. Sander. New white. .20 1.50 10.00

From 4 inch pots. .30 3.00



BOSTON FERN

PANSY. Vaughan's International Mixture. Composed of well rounded, perfect shaped flowers, showing a wide range of colorings and markings; have thick velvety petals with fluted or semi-double edges. Flowers stand erect on good stiff stems with a good healthy growth of plant. Each Doz. 100
 \$0.75 \$5.00

PENNISSETUM Longistylum. Gracelul white plumes. 12 to 18 inches. For borders of Canna beds. \$0.20 1.20 8.00

PETUNIA. For variety of color and effectiveness these have no equals. If a little care is bestowed upon them Petunias will produce sweet scented flowers in their delicate and gorgeous colors throughout the whole summer.

Balcony Queen. Purple with white markings. .20 .85 6.00

Rosy Morn. Rose with white markings. .20 .85 6.00

Snowball. Pure white single. .20 .85 6.00

Single Mixed. .20 .85 6.00

SALPIGLOSSIS. One of the most attractive annuals and should be in every garden. The flowers are tube-shaped, much like Petunia, but rivalling the latter in the beautiful colors displayed. .20 1.20 8.00

From Vaughan's Special Seed.

SALVIA Splendens (Scarlet Sage). A standard bedding plant that keeps the garden bright with color until late autumn. It is best used as a hedge or border plant for brilliant color effect.

Fireball. Brilliant red. Plant, 18 inches high. .20 1.00 7.00

Globe of Fire. Brilliant scarlet. .30 2.50 15.00

From 4 inch pots. .20 1.00 7.00

VERBENA. One of the most popular garden annuals. For beds, borders, mounds, vases and window boxes it is particularly fine. The clusters of showy flowers are borne in constant succession from June until frost.

Hydran. Mammoth pink, purple, scarlet, white or mixed. .20 .85 6.00

Defiance. Brilliant scarlet. .20 .85 6.00

Lemon Scented. Delightful fragrance. .25 2.00

Mayflower. Beautiful pink. .20 .85 6.00

VINCA ROSEA. (Periwinkle) .20 1.00 7.00

Rosea Alba .20 1.00 7.00

ZINNIAS. These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes and remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets. **Vaughan's Colossal.** White, Pink, Purple, Scarlet or Mixed .20 .85 6.00

House and Conservatory Plants

ASPARAGUS Plumosus and Sprengeri. Each, 2½-inch, 20c; 3-inch, 30c; and 4-inch, 40c.

CALADIUM. Fancy-Leaved. Potted bulbs, ready in May. Wonderful coloring. From 3-inch pots, each, 50c; larger, 75c and \$1.00.

CROTON. Richly colored foliage plants. 3-inch pots, each, 60c; 4-inch, each, \$1.00.

Defenbackia Magnifica (Shining leaves). Green foliage, variegated with white. Each, 3-inch, 50c; 4-inch, 75c.

DRACAENA. Green and Variegated-leaved. We have a splendid collection, well colored. From 4-inch pots, \$1.25.

Terminalis. Rich crimson foliage marked with pink and white. Each, 3-inch, 50c.

Lord Wolsley. Rich bronze foliage. Each, 3-inch, 50c.

FERNS. Nephrolepis Bostoniensis (Boston Fern). One of the most valuable decorative plants we have. Forms large graceful plants that enable it to retain a leading place among this class of ferns. Of easy culture and thrives to best advantage if located near the sunniest window and occasionally turned. A dutiful attention to watering and general condition will be well repaid. We have a large assortment of sizes and can supply plants from 2½-inch pots, each, 25c; 3-inch, 35c, postpaid; 4-inch, 60c; 5-inch, \$1.00; 6-inch, \$1.50; 7-inch, \$2.00; 8-inch, \$3.00; 10-inch, \$6.00, by express not prepaid.

Ostrich Plume. Feathered fronds, very graceful. From 2½-inch, each, 30c; 3-inch, 50c, postpaid; 4-inch, 75c; 5-inch, \$1.25, by express not prepaid.

Small Ferns for Dishes. Assorted varieties. Each, 20c; doz., \$1.50.

FICUS Elastica. (Rubber Plant.) From 5-inch, each, \$1.25; 6-inch, \$1.75; 7-inch, \$2.50; 8-inch, \$3.00, by express not prepaid.

Repens. A trailing variety with small leaves. 3-inch pots. Each, 30c, doz., \$2.50.

HYDRANGEAS. Pink, deep rosy pink and white flowers in large clusters. Fine for porch and lawn decoration. Each, 50c to \$1.00; specimens in tubs, \$4.00 and \$6.00.

PANDANUS Vetchii. Green and white. Very showy plant. 4-inch pots, each, \$1.00; larger sizes, 5-inch, \$2.00; 6-inch, \$3.00, by express not prepaid.

SANSEVIERA ZEYLANICA. Variegated plant especially adapted for house decoration. From 4-inch pots, each, 75c, postpaid.

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants.

PLANT
VAUGHAN'S

Vegetable Plants

PLANT
VAUGHAN'S



SEEDLING TRANSPLANT POT PLANT

The above illustration shows the bushy, vigorous growth of a Tomato pot plant compared with a Transplant and Seedling of the same height.

PEPPER. Ready about May 15th.

	Prepaid Prices		Not Prepaid	
	Doz.	100	Doz.	100
Crimson Giant, Vaughan's Magnum Dulce and Cayenne. Pimento.				
Transplanted Plants	\$0.40	\$2.50	\$0.35	\$2.25
From 2-inch pots. By express only.			.75	5.00

TOMATO. Ready about May 15th.

	Prepaid Prices		Not Prepaid	
	Doz.	100	Doz.	100
Crimson Cushion, Earliana, Dwarf Stone, Improved New Stone, Ponderosa, John Baer and Golden Ponderosa.				
Transplanted Plants	.35	2.25	.30	2.00
From 2-inch pots. By express only.			.65	4.50

SWEET POTATOES. Ready about May 20th.

Yellow Jersey, Red Jersey. 100 for \$1.50, prepaid; 250 for \$2.50; 500 for \$4.50; 1000 for \$8.00. By express at buyer's expense.

NOTICE—Although we exercise the greatest care in the packing and dispatch of Vegetable Plants, we cannot guarantee safe arrival. Our responsibility ends on delivery to P. O. or Express Office.
No Plants sent C. O. D. and no Pot Plants sent by Mail.

Please Note: Pot Plants cannot be sent by Mail.
Transplanted plants cannot be supplied from New York.

WITH our extensive greenhouses and frames at Western Springs, Ill., we are able to grow plants in large quantities and of superior quality. Besides which we make emergency contracts for an additional supply to guard against accident to our own crops. **Note dates** at which we ship the different kinds of plants. Please make shipping date on your order to correspond with these and kindly make out your vegetable plant order on a separate sheet. **For southern customers** we make slightly earlier shipments.

Our specialty **POT-GROWN PLANTS**, carefully grown and hardened off. We pack carefully for express shipments only.

CABBAGE.

Early Sorts. Jersey Wakefield, All Head, Copenhagen Market. Prepaid Prices Not Prepaid
Doz. 100 Doz. 100

Ready about April 20th.
Transplanted Plants. \$0.35 \$2.15 \$0.30 \$2.00

Late Sorts. Premium Flat Dutch, Danish Ballhead.

Ready in May and June.
Transplanted Plants.35 2.15 .30 2.00

Red Cabbage. Transplanted Plants.35 2.15 .30 2.00

CAULIFLOWER. Ready in April.

Vaughan's New Snowball.
Transplanted Plants.35 2.25 .30 2.00

CELERY. Ready June 15th.

Early Varieties.	Late Varieties.	
White Plume, Golden Self-Blanching, Giant Golden Heart.	Winter Queen, Easy Blanching.	

Strong Plants, 5 kinds, prepaid.

Doz., 25c; 100 for \$1.50.
Not Prepaid: 100 for \$1.20; 250 for \$3.00; 500 for \$5.50; 1000 for \$10.00.

EGG PLANT. Ready about May 15th.

Black Beauty and New York Purple Improved.
From 2-inch pots. By express only.75 5.00

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom.

HERBS

Herbs should be gathered and dried quickly in the shade, then packed closely in boxes away from the action of the elements.
Varieties preceded by an (*) are perennials.

ANISE. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 35c.

***BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 35c.

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 5c; oz., 25c.

BENE. The leaves immersed in water make a drink very beneficial in cases of dysentery. Pkt., 10c; oz., 35c.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 20c.

CARAWAY. Seeds are used for flavoring. Pkt., 10c; oz., 15c.

CATNIP OR CATMINT. Grown for bees, also for seasoning. Pkt., 10c; oz., 60c.

CHAMOMILE (MATRICARIA CHAMOMILE). The dried flowers possess medicinal qualities. Prescribed as an emetic and vermifuge. Pkt., 10c; ½ oz., 35c.

***CHIVES SEED.** Used for seasoning. Pkt., 15c; ½ oz., 50c; oz., 90c.

CORIANDER The seeds are used for flavoring. Pkt., 10; oz., 15c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

***FENNEL, Sweet.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz. 20c.

FENNEL, Florence. An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Very distinct from Sweet Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c.

***HENBANE.** The growing plants are said to absorb malaria germs. Pkt., 10c; oz., 60c.

***HOP SEED.** Pkt., 10c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 40c.

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., 10c; oz., 25c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes. Two kinds.

Lavender (Lavandula vera). True Lavender. Pkt., 10c; oz., 75c.

Lavender (Lavandula spica). Not quite so strong as above. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

LAVENDER PLANTS. Give much better results than seed. Price, 3 for 85c; doz., \$3.00; per 100, \$15.00.

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 10c; oz., 50c.

***MINT.** For mint sauce and juleps. Strong 4-inch pot plants. Price, 3 for 65c; doz., \$2.50.
By mail, add 5c each; doz., 20c.

PENNYROYAL. Leaves are used for seasoning. It also has medicinal properties. Pkt., 10c; ½ oz., 50c.

PEPPERMINT The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. Pkt., 25c.

PIMPINELLA (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. Pkt., 10c; oz., 30c.

ROSEMARY. The leaves are used for seasoning. Pkt., 10c; ½ oz., 35c.

***RUE.** For medical purposes; good for roup in fowls. Pkt., 10c; oz., 60c.

SAFFRON. Used for coloring and for flavoring. Pkt., 10c; oz., 25c.

SAGE, (Holt's Mammoth). The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter; are perfectly hardy and make a still larger growth the second season. Price, 3 for 65c; 12 for \$2.50; 100, \$12.00. By mail, add 5c each; doz., 20c.

SAGE SEED. Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 40c; oz., 75c.

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for boiled stringbeans. Pkt., 10c; oz., 30c.

TAGETES LUCIDA. Possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., 10c; ½ oz., 20c; oz., 35c.

***TARRAGON (Artemisia Dracunculus).** The leaves, dried or fresh, are steeped in ordinary vinegar. Plants only. Price, 3 for 85c; doz., \$2.50; per 100, \$13.00.
By mail, add 5c each; doz., 20c.

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 40c; oz., 70c.

WOODRUFF or WALDMEISTER (Asperula odorata). Used in May Wine and also for perfuming clothes. Pkt., 10c.

***WORMWOOD.** Beneficial for poultry; plant in your poultry yard. Pkt., 10c; oz., 25c.



SWEET MARJORAM
(Marjoram, Marjolain)

VAUGHAN'S ROSES

WE again take pleasure in submitting our revised list of roses, some splendid new American Novelties of approved merit having been added, and some of the older ones discarded. We grow roses for stock purposes only, not for a cut-flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, are wintered in a temperature as low as is essential for their successful culture, and are strong luscious plants, with clean, healthy, well ripened wood.

All orders are banded and packed by experienced hands, and we guarantee safe arrival by express. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located.

Ask for our pamphlet, "How to be Successful With Roses."

Prices on Roses—Each from 2½-inch pots includes prepayment.

Larger lots and size go by express at buyers' expense.

Novelties for 1922

READY
APRIL 15th.

ANGELUS. White with cream tinted center. A big rounded rose, like Premier in form, but with a higher center; very lasting and fragrant. Foliage dark green, disease resistant. A vigorous, upright grower and free in bloom. Resembles Kaiserin, but is quite full, 40 to 45 petals and unlike Kaiserin it blooms freely in winter and is a good keeper. Was awarded Certificate of Merit of the Chicago Flower Growers' Association in 1921; also Silver Medal of the New York Flower Show, spring 1921.

Price, from 2½-in. pots, each, \$1.00; doz., \$10.00.

Vaughan's Unrivalled Collection of Hardy Roses

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of their grand size and form.

The roses offered here are huddled low on Mannetti or Dog rose stocks and are generally known as budded roses. Plant so that the bud is three inches below the surface of the ground. Early Spring planting is essential.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungus will be found beneficial. They thrive best with application of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time.

Price, 2-year dormant up to May 1st, each, \$1.00; doz., \$10.00, postpaid. 2-year potted plants, ready May 1st, each, \$1.50; doz., \$15.00, by express.

ANNA DE DIESBACH (Glory of Paris.) Most lovely brilliant carmine, long, pointed buds, and large, finely formed, compact flowers; very full and double and delightfully sweet. A vigorous grower and fine bloomer. One of the hardest of the well-known, desirable roses.

FRAU KARL DRUSCHKI (White American Beauty.) This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

GEORGE ARENDS (Pink Frau Karl Druschki.) A beautiful clear pink variety; different in color from any other rose; a free-bloomer and one of the best.

GRUSS AN TEPLITZ. In color it is the richest scarlet, shading to a velvety crimson; very fragrant; a free, strong grower and in bloom all the time. This rose should be in every garden, as it succeeds under the most ordinary conditions.

J. B. CLARK. This splendid rose is placed among the Hybrid Teas; but it is perfectly hardy, unusually large and expresses in every way the characteristics of the Remontant type. It is robust in growth, with clean heavy foliage. Flowers are large and superbly constructed; deep scarlet overlaid crimson.

MAGNA CHARTA. Deep pink, large sweet-scented and of fine form; one of the hardest roses in cultivation and commonly planted.

MRS. JOHN LAING. One of the finest roses of its class. It is very free-flowering, commencing to bloom early in the season and continues to bloom profusely until late autumn. Color a soft delicate pink with a satiny sheen; very fragrant.

PAUL NEYRON. This magnificent rose is by far the largest variety in cultivation; very double and full; of a beautiful deep rose color and delightfully fragrant; borne on vigorous upright stems in great abundance.

ULRICH BRUNNER. A rose of beautiful form and finish, very striking from its color of brilliant cherry-crimson. The bush is vigorous, blooming continuously in the open air and displaying its superb, glowing flowers on good strong stems.

SPECIAL OFFER No. 92B. One each of the above 10 roses in 2-year dormant plants for \$8.50, postpaid.

SPECIAL OFFER No. 92C. Our selection of 5 roses from above list for \$4.00, postpaid.

SPECIAL OFFER No. 92D. One each of the above 10 roses, 2-year potted plants, ready May 1st, for \$12.00, by express.



ROSE PREMIER

Choice Hardy Hybrid Tea Roses

Price, except where noted, from 2½-inch pots, each, 25c; doz., \$2.50. From 4-inch pots, each, 50c; doz., \$5.00.

Columbia. A true pink, deepening as it opens to a glowing pink. A peculiarity of the variety is that the shades all become more intense until fully open. Strong grower, sending up numerous stiff stems of good length with fine foliage free from mildew.

Cynthia Fords. Color a deep, brilliant rose shading on the back of the petals to a light rosy-pink. The flowers are large full of perfect form and great substance, very free-flowering and fragrant. A strong grower with heavy foliage.

Gruss an Teplitz. In color it is of the richest scarlet shading to a velvety crimson, very fragrant, a free strong grower and in bloom all the time. This rose should be in every garden as it succeeds under the most ordinary conditions.

Kaiserin. This splendid rose should be in every collection. In color it is a soft pearl-white tinted with just enough lemon in the center to relieve the white, remarkably fragrant, beautifully formed flowers on long graceful stems, a strong, free, healthy grower. One of the best for out-door planting. Price, from 2½-inch pots, each, 30c; doz., \$3.00. From 4-inch pots, each, 60c; doz., \$6.00.

Killarney Brilliant. A decided improvement on the popular Killarney. Color is sparkling cerise pink shading lighter at the base of the petals. Large fragrant well formed buds and flowers which are absolutely perfect in all stages of development. A strong, vigorous grower and free bloomer. Price, from 2½-inch pots, each, 30c; doz., \$3.00. From 4-inch pots, each, 60c; doz., \$6.00.

Killarney White. A pure white sport of the famous and popular Killarney rose identical in every way with its parent excepting in color.

Mrs. Aaron Ward. Few roses attract so much attention as this beautiful variety. The flowers which are of splendid form, full double are equally attractive when in full bloom as in the bud stage; in color a distinct Indian yellow, shading lighter towards the edges; under certain weather conditions the entire flower will sometimes come a yellow tinted white, but it is beautiful under all color variations; a strong, vigorous, but compact grower and free bloomer. Price, from 2½-inch pots, each, 30c; doz., \$3.00. From 4-inch pots, each, 60c; doz., \$6.00.

Ophelia. A delicate tint of salmon-flesh shaded with rose. A rose that is admired by everyone, its flowers are held erect on long stiff stems well above the foliage and in great profusion all summer. A variety which has made a record for itself that it is to be classed with the best.

Prince E. C. De Arnberg. Color, scarlet with deeper shadings, not inclined to turn blue, holding its color as the flower lasts. The bud is heavy and pointed, developing into a beautiful full flower of great size and finish. The growth is heavy and free with thick leathery foliage which is free from mildew or black-spot and is one which anyone can grow.

Richmond. Scarlet crimson pointed buds, flowers very fragrant carried on long stiff stems well above the foliage. A strong grower with handsome dark foliage. One of the most successful and prolific roses for the garden.

Sunburst. A magnificent rose. The color is orange-copper or golden-orange with a deep orange center. Buds, long and pointed, borne singly on long stout stems opening full and double. Strong grower and adapted for forcing and out-door growing.

Price from 2½-inch pots, each, 30c; doz., \$3.00. From 4-inch pots, each, 60c; doz., \$6.00.

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose, and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens, large and small.

SPECIAL OFFER No. 92. One each of the above 12 Roses from 2½-inch pots, postpaid, \$3.00.

SPECIAL OFFER No. 92A. One each of the above 12 Roses from 4-inch pots, by express, for \$6.00.

NEW AND RARE ROSES

GOLDEN OPHELIA. (Hybrid Tea). A distinct novelty. This is a seedling from the well known variety Ophelia. It is a sturdy stiff stemmed grower with beautiful foliage, quite closely set and glossy. The flower is of medium size forming a beautiful bud of bright golden yellow; a profuse bloomer. We are very enthusiastic over this beautiful true yellow novelty which will rank high in its class.
 Price, from 2½-inch pots, each, 50c; doz., \$5.00.

FRANK W. DUNLAP. Bright rose-pink, deeper in the center. Flowers full and double, averaging 40 to 45 petals to the bloom; opens very freely; a vigorous grower, breaking freely at the base. Free from spots and mildew.
 Price, from 2½-inch pots, each, 25c; doz., \$2.50.
 From 4-inch pots, each, 50c; doz., \$5.00.

MME. BUTTERFLY. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. A free grower and bloomer with large handsome foliage free from mildew.
 Price, from 2½-inch pots, each, 35c; doz., \$3.50.
 From 4-inch pots, each, 75c; doz., \$7.50.

PREMIER. A clear pure shade of rose-pink; deep rose-pink in cooler weather. Its freedom of bloom and quick succession of crops makes this a most productive variety. Strong grower with breaks coming quickly, producing strong, stiff thornless stems with heavy foliage.
 Price, from 2½-inch pots, each, 30c; doz., \$3.00.
 From 4-inch pots, each, 60c; doz., \$6.00.

LOS ANGELES. Color a flame-pink tones with coral and shaded with translucent gold at the base of the petals. Strong grower with stems as long as an American Beauty. The flowers are as large as Paul Neyron, forming long and pointed buds; its freedom and continuance of bloom is remarkable.
 Price, 2½-inch pots, each, 50c; doz., \$5.00.
 2-year dormant up till May 1st, each, \$1.50; doz., \$15.00.

2-year potted plants ready May 1st, each, \$2.00; doz., \$20.00.

SPECIAL OFFER No. 93. One each: Golden Ophelia, Frank W. Dunlap, Mme. Butterfly and Premier.
 From 2½-inch pots, postpaid, for \$1.25.



Dwarf Polyanthas Roses

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border.

CECILE BRUNNER. The delicate buds are of perfect form, shading a deep salmon pink and showing a rich orange center, turning to a pale flesh color when fully open.

CLOTHILDE SOUPERT. Pearly white, shading to pure rose-pink. Being the introducers we take pride in having select stock that will bloom continually during the summer.

VAUGHAN'S WHITE BABY RAMBLER. Pure snow white flower about one inch in diameter. The foliage is dark and glossy and finely cut.
 Price, 2½-inch pots, each, 25c; doz., \$2.00; per 100, \$12.00.
 From 4-inch pots, each, 50c; doz., \$5.00.

SPECIAL OFFER No. 93A. One each of above 3 roses. From 2½-inch pots, postpaid, for 60c.

SPECIAL OFFER No. 93B. One each of above 3 roses. From 4-inch pots, by express, for \$1.25.

CRIMSON BABY RAMBLER. Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

ERNA TESCHENDORFF. The color of the flowers is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double, and are produced in constant succession throughout the whole season. It is free from mildew. A great advantage over the Crimson Baby Rambler is that the color does not bleach out under the hot sun.

Price, 2-year dormant, each, \$1.00; doz., \$10.00.
 2-year potted plants ready May 1st, each, \$1.50; doz., \$15.00.

Vaughan's "Bargain" Collection of Roses

Ready after MAY 20th, 1922.

No. 93C.....10 plants.....2½-inch pots.....10 varieties for \$1.50, postpaid
 No. 93D.....10 plants.....4-inch pots.....10 varieties for \$3.50, by express

VAUGHAN'S HARDY CLIMBING ROSES

THE demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote: (C. P.)—Climbing Polyanthus-flowered; flowers double or semi-double. (Cl. H. P.)—Climbing Hybrid Perpetual.

Where dormant roses are offered they can be supplied up to May 1st. After that date we can only supply potted plants as offered.

CLIMBING AMERICAN BEAUTY (Cl. H. P.) A free climber of excellent habit. Strong and vigorous in growth, making heavy canes from 10 to 15 feet in a single season. Rosy-crimson flowers, produced freely in June and occasionally throughout the season. Very fragrant.
 Price, 2-year dormant, each, \$1.00; doz., \$10.00.
 2-year potted plants, each, \$1.50; doz., \$15.00.

CLIMBING CLOTHILDE SOUPERT (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell-pink, forming the buds in clusters.
 Price, 2½-inch, each 25c; doz., \$2.50.

CLIMBING MME. CECILE BRUNNER (Cl. Tea). The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose.
 Price, 2½ inch, each, 25c; doz., \$2.50.

CRIMSON RAMBLER (C. P.) This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower.
 Price, 2-year dormant, each, \$1.00; doz., \$10.00.
 2-year potted plants, each, \$1.50; doz., \$15.00.

DOROTHY PERKINS (C. P.) The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading.
 Price, 2-year dormant, each, 75c; doz., \$8.00.
 2-year potted plants, each, \$1.00; doz., \$10.00.

EXCELSA (C. P.) A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet.
 Price, 2-year dormant, each, 75c; doz., \$8.00.
 2-year potted plants, each, \$1.00; doz., \$10.00.

GOLDFINCH (C. P.) The best Yellow Rambler to date. Flowers large, semi-double, in full clusters; a rich, lemon yellow.
 Price, 2-year dormant, each, \$1.00; doz., \$10.00.
 2-year potted plants, each, \$1.50; doz., \$15.00.

FLOWER OF FAIRFIELD (C. P.) Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season.

Price, 2-year dormant, each, \$1.00; doz., \$10.00.
 2-year potted plants, each, \$1.50; doz., \$15.00.

MARECHAL NIEL (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a vinery or pillars this is a magnificent rose.
 Price, 2½-inch, 30c; doz., \$3.00.

PAUL'S SCARLET CLIMBER. This is without question the most important addition to the Climbing Roses in many years; no other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. The flowers are of medium size, semi-double, very freely produced in clusters of from three to six flowers each on branched canes, the plants being literally covered with flowers from top to bottom. It is of strong climbing habit and perfectly hardy. This rose has been most highly commended by the English Horticultural press. It was awarded a gold medal by the National Rose Society and an award of merit by the Royal Horticultural Society of England, and was also awarded during the summer of 1918 the much coveted gold medal at the Bagatelle Gardens, Paris.
 Price, strong 2-year old dormant plants, each, \$1.25; doz., \$12.00.
 Strong 2-year potted plants, ready May 1st, each, \$1.75; doz., \$18.00.

PERSIAN YELLOW. (Austrian Briar.) The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and amongst shrubs, prune lightly as this variety flowers on the previous year's growth.
 Price, 2-year dormant up to May 1st, each, \$1.00; doz., \$10.00, postpaid.
 2-year potted plants ready May 1st, each, \$1.50; doz., \$15.00, by express.

TAUSENDSCHON (C. P.) This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine.
 Price, 2-year dormant, each, \$1.00; doz., \$10.00.
 2-year potted plants, each, \$1.50; doz., \$15.00.

WHITE DOROTHY PERKINS (C. P.) This beautiful rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white. Already a universal favorite.
 Price, 2-year dormant plants, each, 75c; doz., \$8.00.
 2-year potted plants, each, \$1.00; doz., \$10.00.

SPECIAL OFFER No. 93E. One each, Crimson Rambler, Dorothy Perkins, Excelsa and White Dorothy Perkins in 2-year dormant up to May 1st, by express for \$3.00.

SPECIAL OFFER No. 93F. One each Paul's Scarlet Climber, Flower of Fairfield and Tausendschon in 2-year dormant up to May 1st, by express for \$2.75.

CHRYSANTHEMUMS

We wish our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties; but we offer those varieties that have proven the best from all sources.

Larger quantities by express at buyer's expense.

JAPANESE ANEMONE NOT HARDY

The anemone flowers consist of one or more rows of flat or tubular ray florets, with shorter quilled or tubular disk florets of the same or a distinct color.

Clemencia. Deep pink, shading deeper in the center, and crowded with petals. At first glance it resembles an artificial flower, as petals are very crisp and showy.

Chestnut. Bright orange shading to yellow, tinted with pink as they develop. Center compact.

Each, 30c; doz., \$3.00; 100, \$15.00.

Coed. White, shading to pale lilac when fully open. Center high and full.

Innocencia. Outer petals of pure white; central petals flushed pale pink; edges of the tubular petals in center light yellow; exquisite.

Juno. Deep lilac, shading to white; the center head is loose and graceful and of a deeper shade than the outer petals; magnificent in its coloring.

Maple Leaf. Flowers light yellow overlaid with old rose. Ray florets sulphur-yellow, lightly penciled with old rose. Center pale lemon-yellow, full and high.

Pepita. Pale pink with orange-yellow center; the flower is heavy and of great substance.

Redbird. Blood-red, with center tipped yellow. Center low and full. Florets slightly cupped when fully developed.

Titian Beauty. Color deep, rich bronze, shading in center to scarlet; the most striking of the collection; outer petals reflex, showing the center to advantage.

The Chief. Sulphur-yellow shading to light lemon-yellow; center full and rounded and slightly darker than the ray florets; 3 to 4 inches in diameter. Matures first week in November.

Price, except where noted, each, 25c; doz., \$2.25; 100, 12.00.

SPECIAL OFFER No. 114. The set of 10 Anemones for \$2.00, postpaid.

LARGE-FLOWERED OUTDOOR VARIETIES

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil.

A. Barham. A beautiful orange-bronze; the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

Carpet of Snow. Double pure white star-shaped flowers produced in great abundance. Very early and hardy.

Carrie. Flowering the end of August. Yellow and in cluster form.

Cranfordia. In this variety we have an early-flowering 'Mum that covers every possible point; perfect in flower and stem; foliage up to the flower, and every plant will carry twelve to twenty beautifully finished blooms.

Framfield. Early. Start to flower in August. Large white cluster, very free.

Firefly. A reddish bronze; flowers very early and continues until late frosts arrive.

G. Grunnerwald. A very fine variety of the Japanese section, being one of the earliest of all, expanding the first flowers early in August and extending its flowering period well into November.

Le Pactole. Bronzy yellow, large flower; heavy foliage and strong grower. Disbud slightly.

Miss F. Collier. Large white flowers borne on very stiff stems, height about 30 inches.

Normandie. Blush-pink, very dwarf and free-flowering, magnificent variety. The earliest and perhaps the best.

Pink Harbinger. A fine rose-pink variety; large flowering, coming in bloom early and extending its flowering period late into the fall.

Hardy Pink. This is one of the hardiest varieties we know of. Flowers are a deep rose-pink of medium size; very free-flowering.

Price, except where noted, each 20c, postpaid; doz., \$2.00; per 100, \$10.00 (by exp.)

SPECIAL OFFER No. 114C. Set of above 12 plants for \$2.00, postpaid.

FOR POT CULTURE NOT HARDY

Following varieties are most adapted for plants of all decorative sizes and are used extensively as conservatory and house plants.

Laelia. Light pink color, uniform when fully developed; makes a good pot plant. Each, 25c; doz., \$2.25; 100, \$12.00.

Aug. Dasse. Golden-yellow.

Chieftain. Very pleasing shade of pink. Incurred.

Harvard. Bright crimson.

Mrs. F. Beu. Bronze.

Marion Newell. Pleasing shade of pink.

May Foster. Snow white

Mrs. Wm. Buckingham (Single). A large flat flower of a lovely shade of rosy pink; keeps well, both on and off the plant.

Old Gold. Deep yellow; large size.

Each, 25c; doz., \$2.25; 100, \$12.00.

Patty. A beautiful shell-pink Japanese variety, dwarf habit. This is very fine, both in color and habit; does not fade. Each, 25c; doz., \$2.25; 100, \$12.00.

The Bard. Dark crimson, very free-flowering.

Wm. H. Lincoln. Pure yellow.

Each, 25c; doz., \$2.25; 100, \$12.00.

Price, except where noted, each 20c postpaid; doz., \$2.00; per 100, \$10.00.

SPECIAL OFFER No. 110A. Set of 12 for \$2.00, postpaid.



LARGE-FLOWERING OUTDOOR TYPE



MARION NEWELL

SMALL-FLOWERED OUTDOOR VARIETIES

The following varieties are a cross between French sorts and the Hardy English varieties and have gained popularity in this country in recent years, because with slight protection they will withstand our severe winters. Care should be taken to plant these in early spring, so that they may establish themselves sufficiently to withstand the rigors of our winters. Do not plant in the fall.

Bijou Rose. Beautiful rose, free-flowering, dwarf growing

Bronze Queen. Bronze-red underlaid with yellow, changing to orange with yellow showing through. Petals flat, but slightly twisted when matured. Each, 25c; doz., \$2.25; 100, \$12.00.

Charlotte. Deep bronze.

Elva. Early white, very free.

Fairy Queen. Very handsome bright pink, large.

Kate Manning. Reddish bronze, very early.

Miss Seelye. White, one of the best earlies.

Uneda. Deep yellow; early.

Zoda. Rose-pink; early.

Zora. An early bright yellow.

Each, except where noted, 20c; doz., \$2.00; per 100, \$10.00 (by exp.)

SPECIAL OFFER No. 114B. The set of 10 Pompons for \$1.50, postpaid.

CAPRICE TYPE NOT HARDY

Originated in France. A new early-flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, making beautiful specimens.

Butler's Caprice. Flowers deep pink, compact grower.

Katherine Thompson. Crimson, strong grower.

Mrs. Greening. Flowers pink, with lighter shade in center; fine large foliage and strong stem.

Lilac Cap. Pretty lilac-mauve. Dwarf.

Purple Cap. Dwarf compact grower.

Yellow Cap. Bright clear yellow, ball-shaped flowers.

White Cap. Pure white.

Each 20c, postpaid; doz. \$2.00; 100, \$10.00 (by exp.)

SPECIAL OFFER No. 114D. Set of 7 for \$1.00, postpaid.

SUGGESTIONS FOR COLOR SCHEMES IN GARDENS

An idea which has rapidly spread among flower-loving people is the planting of flowers of one color in a small garden, or if the space allows, to have the corners in separate color scheme. To meet this demand we offer the following suggestions:

These are arranged in order of height of plant, the dwarfest which may be used for an edge, being first.

Bride's Garden, White—Sweet Alyssum, Little Gem, Verbena, Mammoth White, Astor Branching, White, Phlox Dr. Gran-liflora, White, Nototiana Affinis, Cosmos Early-Flowering, White.

Sunshine Garden, Yellow—Pyrethrum Aurum Golden Feather, Marigold Legion of Honor, Zinnia Mexicana, double; Calliopsis Golden Wave, Sunflower Argyrophyllus.

Fire Garden, Red—Phlox Dr. Nana Compacta Fireball, Dianthus Crimson Belle, Linum Grandiflorum Rubrum, Balsam Atrosanguinea, Fl. Pl.; Salvia Drooping Spikes.

Turquoise Garden, Blue—Ageratum Blue Perfection, Nigella Miss Jekyll, Brachycome Iberidifolia Blue, Centaurea Cyanus Double Blue, Aster Branching Purple.

Daybreak Garden, Pink—Portulaca Single Pink, Verbena Mayflower, Dianthus Eastern Queen, Aster Branching, Mary Semple, Cosmos Early-Flowering Pink.

Lynn, Mass., May 20, 1921.

In comparing my hardy perennial seedlings with the packets I sowed, I find that about the only seedlings left in the beds are those which came in Vaughan's packets. Four other seed firms (large ones at that) show that their seeds fizzled or did not make strong plants. The Vaughan seedlings from late plantings of 1920 are now from 6 to 18 inches high and some in bloom.

L. A. WENTWORTH



SMALL-FLOWERING (POMPON) OUTDOOR TYPE

All Collections of Chrysanthemum Plants and those ordered at single plant rate go PREPAID.

DAHLIA PLANTS

In the following list we offer what we consider the very best of the foreign and American Dahlias. We offer all Green plants, with the exception of those also offered in roots. While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until May 10th to 15th, but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings. Full cultural directions accompany every order. Please state if you want a substitute if our supply of any is exhausted.

NEW AND CHOICE DAHLIAS

- ATTRACTION.** (Peony). Very large perfect and full flowers of a clear lilac rose. A rare color; producing fine flower stems. Price, each, 75c; doz., \$8.00.
- BIANCA.** (Peony). Lilac-rose; very free-flowering and a wonderful variety for cut flowers. Price, each, 50c; doz., \$5.00.
- CARMEN SYLVIA.** (Decorative). A carmine pink with fine stem and habit. A favorite as a cut flower. Price, each, 50c; doz., \$5.00.
- HOCHSAL.** (Decorative). A clear golden-orange, darker shaded in center; very free-flowering, early. Price, each, 50c; doz., \$5.00.
- KALIF.** (Cactus). Pure scarlet. A true majestic flower frequently measuring 8 to 10 inches in diameter, strong grower. Price, each, 75c; doz., \$8.00.
- KING OF AUTUMN.** (Decorative). An entirely new shade of buff yellow suffused with orange. The color is unique, flower and foliage of vigorous constitution. A splendid exhibition bloom. Price, each, 50c; doz., \$5.00.
- SPECIAL OFFER No. 95.** One each of above 6 Dahlias for \$3.00, postpaid.

VAUGHAN'S SELECTION of EARLY-FLOWERING

Prices, each, 25c; doz., \$2.50.

- We have tried the following varieties and recommend them as earliest flowering in our collection:
- A. D. Livoni.** (Show). A beautiful soft pink flower with quilled petals.
- Countess of Lonsdale.** (Cactus). A delicate apricot shading towards the edges of the petals to carmine-pink. Early and one of the very best.
- Crimson Giant.** (Decorative). Deep crimson flowers of immense size.
- Holsatia.** (Cactus). Orange-scarlet.
- Jack Rose.** (Decorative). A rich velvety crimson.
- Mrs. Henry R. Wirth.** (Cactus). A rich glowing intense scarlet Countess of Lonsdale.
- Pink Century.** (Single). Delicate soft pink.
- Sylvia.** (Decorative). White shading to soft pink on the outer petals.
- Wm. Agnew.** (Decorative). Intense dazzling red.
- Yellow Duke.** (Show). Pure canary-yellow, large size flowers on good stiff stems.
- SPECIAL OFFER No. 95A.** One each of above 10 Dahlias for \$2.00, postpaid

CACTUS VARIETIES

Price, except where noted, each, 25c; doz., \$2.50.

- Countess of Lonsdale.** (Cactus). A delicate apricot shading towards the edges of the petals to carmine-pink. Early and one of the very best.
- Charles Clayton.** Color is a most intense red
- Flora.** Ideal white with large flowers on stout stiff stems.
- Holsatia.** (Cactus). Orange-scarlet.
- J. H. Jackson.** A perfect gorgeous deep velvety blackish-maroon. Gigantic in size. Every Dahlia lover should grow this variety. Price, each, 35c; doz., \$3.00.
- Juliet.** Rosy pink tinting lighter towards the center. Very large with long incurved petals. Price, each, 35c; doz., \$3.00.
- Lawine.** A pure white of good form, very free and early-flowering.
- MARJORIE CASTLETON.** The best standard pink cactus Dahlia. Very delicate pink, tinting lighter towards the center.
- Mrs. Henry R. Wirth.** A splendid companion to Countess of Lonsdale, having all the qualities of the former. In color a rich glowing intense scarlet
- Rheinkonig.** Pure snow-white flowers splendid form, 5 inches and over in diameter. Price, each, 35c; doz., \$3.00.
- SPECIAL OFFER No. 95B.** One each of the above 10 Dahlias for \$2.50, postpaid

CHOICE DECORATIVE

Price, except where noted, each, 35c; doz., \$3.00.

- Delice.** The finest pink Decorative Dahlia. Its beautiful soft, yet lively color a glowing rose-pink, borne on long stiff stems. Valuable as a cut flower.
- Grand Duke Alexis.** Pure white, shading to a most delicate and charming shell-pink. Beautifully quilled and double.
- LE GRAND MANITOU.** Striped and splashed purple on a deep rose colored ground. Flowers of enormous size and perfect form. Price, each, 50c; doz., \$5.00.
- MINA BURGLE.** Flowers of gigantic size and remarkable beauty. A most glowing brilliant scarlet.
- Mrs. J. C. Vaughan.** Lovely bright clear yellow flowers, long stalks, flowers are large and very attractive. Price, each, 50c; doz., \$5.00.
- Princess Juliana.** A fine white, large and splendid form. Early and free-flowering. Strong stems. Fine for cutting.
- Queen Mary.** A beautiful pearl-pink of good size with magnificent stem and foliage.
- Virginia Maule.** A most delicate blush or shell-pink. The immense flowers are borne with stately grace on long erect stems. Blooming early and profusely.
- Yellow King.** An unusually large flower of a pure bright yellow, very rich in color. Freely produced on long stiff stems ideal for cutting.
- SPECIAL OFFER No. 95C.** One each of above 9 Dahlias for \$3.00, postpaid.

DECORATIVE

Price, each, 25c; doz., \$2.50.

- AUTUMN GLORY.** A soft golden terra cotta color that is rich and pleasing by daylight and very lovely under artificial light.
- Coronna.** A pure white, usually from 2½ to 3 inches in diameter, free-flowering.
- CHATENAY.** Like the rose of that name. Beautiful soft pink and yellow reflex.
- David Harum.** Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 inches across. Thick wide petals, full to the center.
- Henry Patrick.** A pure waxy white, blooms very freely, flowers 5 to 7 inches in diameter.
- Jack's Discovery.** White mottled with violet-rose. Flowers of medium size borne on stiff stems.
- Jack Rose.** Bright carmine-red overlaid violet, resembling the color of the rose of the same name. A splendid variety for decorative use in the garden.
- Jeanne Charmet.** Bright pink with crimson edges. Flowers 7 to 8 inches in diameter.
- Lynthurst.** Brightest vermilion; the best bright red for cutting. An early free and continuous bloomer with long straight stems
- Mrs. Chas. Turner.** Pure yellow. A strong grower and profuse bloomer.
- Mrs. Kentwell.** Bright fiery scarlet flowers on long stiff graceful stems
- Queen of Yellows.** A beautiful clear yellow.



GRAND DUKE ALEXIS

Sylvia. White, shading to soft pink on the outer petals.
Wm. Agnew. The richest shade of intense dazzling red
SPECIAL OFFER No. 95D. One each of above 14 Dahlias for \$2.75, postpaid.

SHOW AND FANCY DAHLIAS

Price, except where noted, each, 25c; doz., \$2.50.

- Show Dahlias are usually of solid color, but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.
- A. D. Livoni.** A beautiful soft pink flower with quilled petals
- DOROTHY PEACOCK.** Large perfect shaped flowers of a bright sea shell pink color; very early and continuous blooming
- DREER'S WHITE.** Glistening white, resembling in form Grand Duke Alexis; free-flowering. Price, each, 35c; doz., \$3.00.
- ELSIE BURGESS.** The color is a delicate white ground, tipped and suffused with a beautiful lavender and faint light pink. The stems are straight and stiff. It is a free-blooming Dahlia and very desirable for cut flower purposes. Price, each, 35c; doz., \$3.00.
- STRADELLA.** Rich deep purple crimson; very free-flowering; long stems.
- Yellow Duke.** Pure canary-yellow; large size flowers on good, stiff stems.
- SPECIAL OFFER No. 95E.** One each of above 6 Dahlias for \$1.35, postpaid.

PEONY-FLOWERED

Price, except where noted, each, 35c; doz., \$3.00

- Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd.
- Jan Oieslagers.** Deep primrose yellow; very large and free-flowering. Price, each, 25c; doz., \$2.50.
- MADAM VAN BETSTEIN.** Rosy-lilac changing to light blue.
- Queen Emma.** A charming shade of hollyhock-pink, the inner petals margined with gold. A very large and magnificent sort.
- Queen Wilhelmina.** This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free-flowering and the flowers are produced on good stems, making a fine variety for garden decoration.
- SPECIAL OFFER No. 95F.** One each of above 4 Dahlias for \$1.00, postpaid.

POMPON DAHLIAS

Price of the following varieties, each, 25c; doz., \$2.50.

- Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes
- CARDINAL.** Red. Good grower and free bloomer.
- Little Beauty.** A very beautiful small-flowering light pink.
- Kittle Herman.** Deep red, tipped white; very free.
- Snow Clad.** Small pure white, free-flowering
- SPECIAL OFFER No. 95G.** One each of above 4 Dahlias for 75c, postpaid,

SINGLE DAHLIAS

Price, each, 25c; doz., \$2.50.

- These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.
- Gold Standard.** Pure yellow flowers borne on long graceful stems.
- Maroon Century.** Beautiful rich maroon, large yellow center. Erect, free-flowering.
- Pink Century.** Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.
- Praxiteles.** Velvet purple, tipped white.
- Pres Viger.** Rich claret.
- Scarlet Century.** Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.
- White Century.** A beautiful snow-white of immense size, 6 to 7 inches in diameter, making a fine show.
- SPECIAL OFFER No. 95H.** One each of above 7 Dahlias for \$1.35, postpaid.

DAHLIA ROOTS

- Unnamed Double Dahlias.** Undivided field clumps in white, pink, yellow, red or variegated good sorts. Each, 35c; doz., \$3.00, by express
- Mixed Single and Double Dahlias.** Undivided field roots. Each, 25c; doz., \$2.50, by express
- Mixed Double Dahlias.** Undivided field clumps. Each, 25c; doz., \$2.50, by exp.
- Dahlia Tubers.** In white, pink, yellow, red or variegated. Each, 15c; doz., \$1.50, postpaid.

PRICES. All Dahlias listed on this page, each and dozen price include prepayment. Larger lots by Express at Buyer's Expense.

VAUGHAN'S

Yellow King Humbert added two years ago was the sensation among Canna planters. It is the largest yellow spotted Canna since we introduced Florence Vaughan. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, San Diego and San Francisco, we were awarded grand medals for our exhibits of these plants.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect, characterize the Canna beds of today. No public park, or garden, private estate or school grounds can do without canna beds. Our annual effective displays of them at our Greenhouse grounds near Chicago are the surprise and admiration of all visitors.

Vaughan's Cannas SUPERLATIVE COLLECTION

This short collection comprises the best obtainable leading new Cannas of real merit in both size of flower and clearness of color.

YELLOW KING HUMBERT 4 feet.

An orchid-flowering sport of the well-known variety King Humbert. Has the same habit of growth as its parent; foliage a very dark green, with flowers measuring 5 to 7 inches across; individual petals 3 to 3½ inches in diameter. Color of flower a deep rich yellow, softly spotted and blotched with bright red.

Some plants will occasionally give a scarlet or scarlet striped flower, which we consider an improvement, rather than a defect. Each, 25c; doz., \$2.00; 100, \$12.00.

From 4-inch pots, each, 35c; doz., \$2.75; 100, \$18.00; by express.
From 5-inch pots, each, 50c; doz., \$5.00.

KING HUMBERT SCARLET FLOWERS, BRONZE LEAVES GREATEST FAVORITE TODAY

This remarkable "Gold Medal" Canna has been the sensation of the past eight years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the fine blooming character of the other, and the handsome broad, tropical foliage. 4 ft.

Each, 25c; doz., \$2.00; 100, \$12.00.

From 4-inch pots, each, 35c; doz., \$2.75; 100, \$18.00; by express.
From 5-inch pots, each, 50c; doz., \$5.00.

HUNGARIA 3½ feet. The Best Pink Canna. Very compact, almost dwarf and of a very luxuriant growth. Leaves bluish green, never burn. Trusses of enormous size borne well above the foliage. Flowers very large, with immense petals. Color purest La France-pink, with satin sheen. Each, 35c; doz., \$2.75; 100, \$18.00.

From 4-inch pots, each, 45c; doz., \$3.75.

Eureka. 4 ft. Remarkably free-flowering variety, and with its striking white flowers, which first appear cream, makes a very effective show in conjunction with a good scarlet such as Firebird or King Humbert. A robust grower forming sturdy, shapely plants quickly. Each, 35c; doz., \$2.75.

From 4-inch pots, each, 45c; doz., \$3.75; by express.

Firebird. The best scarlet green-leaved variety. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across; a clear glistening scarlet without any streaks, spots or blotches. We have grown and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. See illustration on opposite page. Each, 35c; doz., \$2.75; 100, \$18.00.

From 4-inch pots, each, 45c; doz., \$3.75; 100, \$22.50; by express.

Gustave Gomper. 3½ to 4 ft. Flowers of great size and substance, in color, a fine golden-yellow, the lower petals being slightly splashed with red. Siff erect stems and large flower spikes. Each, 25c; doz., \$2.00; 100, \$12.00.

From 4-inch pots, each, 35c; doz., \$2.75; 100, \$18.00; by express.

Matador. 4½ ft. Green foliage. Flowers are of the largest size the petals being very broad and beautifully rounded. The color in rich scarlet marbled cerise very striking. Each, 35c; doz., \$2.75.

From 4-inch pots, each, 45c; doz., \$3.75.

Orange Bedder. 4 ft. Green foliage. Bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. A very free bloomer.

Each, 30c; doz., \$2.50; 100, \$15.00.
From 4-inch pots, each, 40c; doz., \$3.25; 100, \$20.00; by express.

All Canna plants from 2½ inch pots offered on this page at "Each" (or single plant) go prepaid. Larger lots and sizes by express at buyers' expense. To estimate postage on 2½ inch pot plants to different zones, figure on one dozen plants, weighing 3 pounds, packed.

SPECIAL OFFERS

- No. 96B. One each of above (8) Cannas from 2½-inch pots for \$2.00, postpaid.
No. 96C. One each of above (8) Cannas from 4-inch pots for \$2.75, by express.
No. 96D. One each Yellow King Humbert, King Humbert and Hungaria for 75c, Postpaid.

Prepayment as noted here means through Fourth Postal Zone. For prepayment to further zones, add 15 cents per doz. 2½ inch plants.

SUITABLE PLANTS FOR BORDERS OF CANNA BEDS

Use those marked (a) with green-leaved Cannas; (b) with red-leaved.
(a) Salvia, Fireball and Globe of Fire. Plant 15 inches apart. (b) Caladium Esculentum. Plant 18 inches apart. (b) Centaurea Gymnocarpa. Plant 8 inches apart. (a) and (b) Pennisetum Longistylum. Plant 8 inches apart.



YELLOW KING HUMBERT

Vaughan's Choice Collection

A most distinct and interesting collection of Cannas, both rare and effective. Be careful in ordering and planting Cannas to note height of growth, so that, when in groups, tall ones are at back, smaller at front, or that kinds of about one height are planted together.

American Beauty. Deep shade of carmine-rose, particularly pleasing and unique. Size of both trusses and flowers enormous, with the advantage that it fits nicely in the truss. Each, \$1.00; doz., \$12.00.

From 4-inch pots, each, \$1.25; doz., \$12.00.

Aigle. 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings; erect spikes.

Each, 35c; doz., \$3.00; 100, \$18.00.

From 4-inch pots, each, 45c; doz., \$3.75.

Brightness. Bright intense orange-scarlet. Flowers immense in size and vividly brilliant. One of the finest cannas existing.

Each, \$1.00; doz., \$10.00.

From 4-inch pots, each, \$1.25; doz., \$12.00.

City of Portland. 3½ ft. Distinct among the several really worth while pink Cannas. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage.

Each, 35c; doz., \$3.00; 100, \$18.00.

From 4-inch pots, each, 45c; doz., \$3.75.

Goldbird. (l'Oiseau d'Or) 4½ ft. Flowers of good shape and large size; vigorous growth. The color is a bright yellow, making it a good companion to Firebird.

Each, 25c; doz., \$2.00; 100, \$12.00.

From 4-inch pots, each, 35c; doz., \$2.75.

Jane Addams. 4½ ft. Green foliage. Buttercup-yellow with blotches of red in the throat; a clean vigorous grower and very free-bloomer.

Each, 35c; doz., \$3.00.

From 4-inch pots, each, 45c; doz., \$3.75.

Mrs. Alfred Conard. 4 ft. Green foliage. Flowers salmon-pink of large size on finely shaped flower heads.

Each, 35c; doz., \$3.00; 100, \$18.00.

From 4-inch pots, each, 45c; doz., \$3.75.

Mrs. Woodrow Wilson. 4 ft. Green foliage. Charming shade of soft clear crimson-pink. Flowers are large with round, graceful overlapping petals of great substance. Strong grower. Each, 50c; doz., \$5.00.

From 4-inch pots, each, 75c; doz., \$7.50; by express.

Oriental. 4 ft. Foliage light green. This is a grand variety and when massed is very effective. Flowers are golden-yellow, tinged with nasturtium-red, forming immense spikes.

Each, 35c; doz., \$3.00.

From 4-inch pots, each, 45c; doz., \$3.75.

Peley. 18 to 24 inches. Green foliage. This is the dwarfest canna we know of. Color vermilion-red, edges of petals a golden-yellow. Free continuous bloomer. Each, 25c; doz., \$2.00.

From 4-inch pots, each, 35c; doz., \$2.75.

Rosea Gigantia. 3 to 4 ft. A magnificent showy Canna of a rose to carmine-pink shade. Flower heads of immense size. Each, 35c; doz., \$3.00.

From 4-inch pots, each, 45c; doz., \$3.75.

The President. 4 ft. In color a rich glowing scarlet and the immense rounded flowers, seven inches across when fully open are produced on strong erect stalks well above the large green foliage. Free bloomer and strong grower.

Each, 45c; doz., \$3.75.

From 4-inch pots, each, 60c; doz., \$5.00.

SPECIAL OFFERS

- No. 96. One each of the above (12) Cannas, postpaid, from 2½ inch for \$5.00.
No. 96A. One each of the above (12) Cannas from 4 inch pots for \$6.50, (exp.)

CANNAS

CANNA BEDS PLANTING SUGGESTIONS

Before laying out a Canna bed, spade the ground two feet deep, mixing thoroughly into the soil enough well rotted stable manure to fill six inches in depth of the whole bed. When ready place a stake in center of the bed and with a radius of eighteen inches mark a line for planting the first row. Set the plants in this row eighteen inches apart. Lengthen the radius eighteen inches for each successive row; plants other than Cannas require different distances. All numbers below represent round beds.

Planting plans will be furnished with each Canna bed ordered.

Culture.—Cannas should be planted about the end of May in good garden soil that has been thoroughly enriched with well rotted stable manure. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds or borders.

TWO SIZES OFFERED. Prices given first below are for regular **FIRST SIZE** plants from 2½-inch pots. The next size larger plants are noted as **FROM 4-INCH POTS.** When not so offered, 2½-inch plants are sent.

The large size from 4-inch will be ready May 15, and will bloom soon.

CANNA BED No. 1—10 ft. across, 37 plants.

7 Prince Wied. (For center and first row.)		
12 David Harum. (Second row.)		
18 Gustave Gompper. (3rd or outside row.)	Prepaid	By express
No. 1A. Price, 37 plants, first size, from 2½-inch pots.	\$ 8.00	\$ 7.50
No. 1B. Price, 37 large plants, from 4-inch pots.	11.00	10.00

CANNA BED No. 2—13 feet across, 61 plants.

19 Florence Vaughan. (For center and next two rows.)		
18 David Harum. (Third row.)		
24 Niagara. (Fourth or outside row.)		
No. 2A. Price, 61 plants, first size, from 2½-inch pots.	\$10.50	\$10.00
No. 2B. Price, 61 large plants, from 4-inch pots.	13.00	11.50

CANNA BED No. 3—7 feet across, 19 plants.

1 Yellow King Humbert. (For center.)		
6 King Humbert. (First row.)		
12 Firebird. (Second or outside row.)		
No. 3A. Price, 19 plants, first size, from 2½-inch pots.	\$4.75	\$4.25
No. 3B. Price, 19 large plants from 4-inch pots.	6.75	5.75

CANNA BED No. 4. 10 ft. across, 37 plants.

19 Yellow King Humbert. (For center, first and second rows.)		
18 King Humbert. (Third or outside row.)		
No. 4A. Price, 37 plants, first size, from 2½-inch pots.	\$ 9.00	\$ 8.00
No. 4B. Price, 37 large plants from 4-inch pots.	12.00	11.00

CANNA BED No. 5. 7 ft. across, 19 plants.

1 Florence Vaughan. (For center.)		
6 David Harum. (Second row.)		
12 Souv. de A. Crozy. (Third or outside row.)		
No. 5A. Price, 19 plants, first size, from 2½-inch pots.	\$3.50	\$3.00
No. 5B. Price, 19 large plants from 4-inch pots.	5.25	4.50



CANNA FIREBIRD

CANNA BEDS

IN SOLID COLOR, (not Prepaid).	7-ft. Bed 19 Plants	10-ft. Bed 37 Plants	13-ft. Bed 61 Plants
Firebird, First size.	\$4.00	\$6.75	\$11.00
Firebird, Large size.	5.25	7.50	15.75
Yellow King Humbert, First size.	3.50	5.60	9.25
Yellow King Humbert, Large size.	5.75	7.50	12.25
King Humbert, First size.	2.75	5.50	7.50
King Humbert, Large size.	4.00	6.75	11.00
Hungaria, First size.	4.00	6.75	11.00
Hungaria, Large size.	5.25	7.50	15.75
Gustave Gompper, First size.	3.50	5.60	9.25
Gustave Gompper, Large size.	5.75	7.50	12.25

All Canna plants from two and one-half inch pots offered on this page at "Each" (or single plant) price go prepaid. Larger lots and sizes by express at buyer's expense—except where quoted at special "prepaid" price in opposite column. To estimate postage on two and one-half inch pot plants to different zones, figure on one dozen plants weighing 3 pounds, packed.

STANDARD CANNAS OF LONG-ESTABLISHED MERIT

For prices of Cannas in this section see lower right-hand column

Bronze-Leaved Varieties

- David Harum.** 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
- King of Bronze.** 5 to 6 ft. Deep bronze foliage, with small red flowers. Fine for foliage effect.
- Leonard Vaughan.** 4½ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.
- Each, 35c; doz., \$2.75. From 4-inch Pots, each, 45c; doz., \$3.75.

Pink and White Shades-Green Foliage

- Maros.** 3½ to 4 ft. One of the best white-flowering Cannas. Its flowers of creamy white are produced very freely.
- Mlle Berat.** 5 ft. Green foliage. A shade of rose-carmine. The petals are long.
- Venus.** 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow. (For other good pinks see *Hungaria*, Mrs. A. Conard, City of Portland, Rose Gigantea and Mrs. Woodrow Wilson on opposite page.)

Crimson and Scarlet Shades, Green Foliage

- Alphonse Bouvier** 5 ft. Green foliage. Flowers crimson.
- Beaute Poitevine.** 3½ ft. Largest and best crimson.
- Chas. Henderson.** 4 ft. Crimson flowers. Good bedder. Roots winter well.
- Julius Koch.** 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals of the most brilliant blood-red.
- Meteor.** 4 ft. Immense brilliant crimson heads of large round-petaled flowers. Each, 30c; doz., \$2.50; 100, \$15.00.
- From 4-inch pots, each, 40c; doz., \$3.25; 100, \$20.00.
- Milwaukee.** 3½ to 4 ft. A splendid sort with rich deep maroon flowers of great substance. We find it the darkest of all Cannas.
- New Chicago.** 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower. Each, 30c; doz., \$2.50; 100, \$15.00.
- From 4-inch pots, each, 40c; doz., \$3.25; 100, \$20.00.
- Prince Wied.** 3 ft. Foliage dark green. Flowers of extra size, borne in massive clusters and of a fiery velvety blood-red. One of the best dwarf-red Cannas,

The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

Yellow and Yellow-Edged Varieties

- Buttercup.** 3½ ft. Bright buttercup-yellow.
- Florence Vaughan.** 5 ft. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.
- Dwarf Florence Vaughan.** 3½ ft. Identical with *Florence Vaughan*, but one-third shorter, never exceeding 3½ ft. Color, golden-yellow, thickly dotted red.
- Mad. Crozy.** 4 ft. Vermilion-red, with golden-yellow border.
- Marvel.** 4 ft. Orange, with deeper shade in center.
- Niagara.** Height, 3 ft. Green foliage. Great handsome trusses; broad, thick durable petals. Color rich deep crimson with a wide irregular border of deep golden yellow.
- Queen Charlotte.** 4 ft. Rich orange-scarlet with a broad gilt edge.
- Souv. de A. Crozy.** 4 ft. The flowers are scarlet-crimson bordered yellow.
- Stella.** 4 ft. Golden orange flowers.

Orchid-Flowering Varieties

- King Humbert.**—(See opposite page).
- Louisiana.** 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
- Uncle Sam.** 5 to 6 ft. Deep rich fiery red, of marvelous beauty.
- Wintzers Colossal.** 5 ft. Green foliage. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.
- Wyoming.** Bronze foliage. Flowers a beautiful shade of orange.
- Yellow King Humbert.**—(See opposite page).

PRICES OF STANDARD CANNAS—THIS SECTION.

(Except where noted)	Each	3 for	Doz.	100
First Size, 2½-in. pot plants, prepaid.	\$.025	\$0.65		
First Size, 2½-in. pot plants, not prepaid.			\$2.00	\$12.00
Large Size, 4-in. pot plants, by express.	.35	.85	2.75	18.00

Our First or Mail Order Size are best for distant points; the larger plants by Exp., quick bloomers, are best for buyers within 250 miles of New York or Chicago.



MME. DE VERNEVILLE



FELIX CROUSSE



FESTIVA MAXIMA



EDULIS SUPERBA

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds, or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Planting—Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of rotten stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary.

We only offer these in divided roots with from 3 to 5 eyes, and since Fall planting of peonies is preferable to Spring planting, we only offer a limited number of varieties.

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early mid-season. 65c.

Delachei. A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. 75c.

Duchess De Nemours. (Calot.) Flowers of this splendid Peony are cup-shaped, crown type, sulphur-white, with greenish reflex, fragrant. It is an early and free bloomer coming into flower a few days after Festiva Maxima. 65c.

Duke of Wellington. A very large, vigorous, tall growing variety with flowers of enormous size, with high built centers, 2 rows of large broad guard petals of pure snow-white, while center of the flower is sulphur-yellow. Flowers are borne on strong upright stalks, are fragrant and freely produced; late mid-season. 75c.

Edulis Superba. This is one of our earliest varieties, usually coming into bloom on Decoration Day. Color is a bright clear mauve-pink, with silvery reflex. Flowers are of large size and very fragrant. 65c.

Faust. Color of this beautiful variety is hydrangea-pink changing to lilac-white. Crown type flower, mid-season. 65c.

Felix Crousse. This is probably one of the best red peonies, being of a rich even shade of dark red. Flowers are large, globular and freely produced; rose type flower, late mid-season. \$1.00.

Festiva Maxima. This is probably the most popular and beautiful white peony. Flowers are of immense size, often 7-8 inches in diameter. The edges of center petals are dotted with carmine spots. It is a free and willing bloomer and quite early. 75c.

Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. 75c.

Louis Van Houtte. Color bright violaceous-red, semi-rose type flowers; very free; late mid-season. 65c.

Marechal Vaillant (Grandiflora Rubra.) Very large, compact globular flower. Light red; very tall and late. An excellent variety. 65c.

Mad. De Verneville. This is probably the freest blooming of the white peonies. The flowers are of bomb type, pure white suffused with blush. The plants are very vigorous, very free and early blooming. The flowers are sweet. 65c.

M. Jules Elie. This is by many considered the most beautiful of all peonies. The flowers are of immense size, globular in form. The color is a glistening lilac-pink, shading to deeper rose at the base. The whole flower is overlaid with a sheen of silver. \$1.25.

Princess Beatrice. Crown type; mid-season. Large compact, high built crown. Guards delicate lilac-rose, color creamy-white with shades of amber. Crown of brilliant sea-shell pink, the extreme center flecked crimson. A glorious flower; free bloomer, fragrant; the best of all the tricolor peonies. 85c.

Queen Victoria. Guard petals milk-white, tinted flesh, center creamy-white with crimson spots, large globular flower, on stems of medium height, free bloomer, mid-season. 60c.

Double Un-Named Peonies. White, pink or red. Each, 50c.

CLIMBING VINES—Half Hardy or Annual

CARDINAL CLIMBER. A graceful annual climber. The flowers are 1½ inches in diameter of a fiery cardinal-red, flowering from mid-summer until frost. The foliage is deeply lacinated and heavier and coarser than those of the Cypress Vine, to which it is related. Planted in good, rich soil when all danger of frost is over it makes a rapid growth, attaining a height of 30 feet. Strong plants, each 25c; doz., \$2.00; 100, \$15.00.

COBAEA Scandens. (Cathedral Bells.) Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 2½-in. pots. Each, 25c; doz., \$1.50; 100, \$10.00. From 4-in. pots, each, 45c; doz., \$4.20.

IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases. 2½-in. pots, each, 20c; doz., \$2.00; 100, \$12.00. 4-in. pots, each, 40c; doz., \$3.50; 100, \$25.00. 9-in. tubs, each, \$4.00.

MADEIRA VINE. A popular climber. Strong tubers. Each, 10c; doz., \$1.00; 100, \$6.00.

MOONFLOWER. (Ipomoea Learii.) Blue. A beautiful satiny blue. 2½-in. pots, each, 20c; doz., \$1.50; 100, \$10.00. 3-in. pots, each, 30c; doz., \$2.50.

White. Large flowers. 2½ in. pots, each, 20c; doz., \$1.50; 100, \$10.00. 4-in. pots, each, 30c; doz., \$2.50; 100, \$18.00.

VINCA Major Variegata. For basket and vase. 2½-in. pots, each, 20c; doz., \$1.20; 100, \$8.00.

From 3-in. pots, each, 25c; doz., \$2.00; 100, \$15.00.

From 4-in. pots, each, 40c; doz., \$3.50; 100, \$22.50.

WEeping LANTANIA. A trailing sort for vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter. 2½ in. pots, each, 20c; doz., \$2.00.

**PLANT
THE BEST**

Vaughan's Alfalfa

**PLANT
THE BEST**

No Crop Pays So Continuously and None More Abundantly Than Alfalfa ALFALFA OR LUCERNE

(Samples representing identical lots, with our purity and germination test, free on request of intending purchasers.)

Grain bags holding 150 lbs., 35c each, extra.

On the average, "The Best Paying Crop on the Farm" is the unanimous verdict of the farmers who have been successful in obtaining a stand of alfalfa. The unflinching market demand for alfalfa hay, its value for all stock, especially dairy cattle, its certainty of a fair return during the dry seasons are its great strong points. Success is not difficult. The majority of growers are agreed on the following essentials:

- I. A well-drained soil. "Wet feet" kills alfalfa.
- II. Well-prepared land—free of weeds, by constant cultivation after plowing to seeding time.
- III. Drill seed if possible or cover by dragging.
- IV. Inoculate land by one-half wagon load of soil from old alfalfa field or from around the roots of the wild sweet clover or use nitrogin (see page 106).

V. Lime the soil before planting. Two to five tons per acre is usually beneficial on most soils.

VI. Use acclimated seed—northern grown seed if for northern localities.

VII. Sow June 1st to middle of July, alone for Central States. In spring sowing with grain barley is the most successful nurse crop.

NEW ALFALFA, COSACK

A variety brought to this country by Prof. Hanson of North Dakota. Said to be hardier than any variety yet found. We offer a limited amount of seed so our customers may try it. Lb., \$1.00, postpaid, 10 lbs., \$8.50; 100 lbs., \$75.00.



VAUGHAN'S ALFALFA ON A DAIRY FARM IN NORTHERN ILLINOIS

ALFALFA SEED

NEW HARDY ALFALFA, LISCOMB (Variegated Flower)

The extra hardy "Yellow Flower" Alfalfa, crossed and recrossed with an ordinary sort, has produced "Hardy Liscomb" Alfalfa. This important development has distinct points of exceptional merit.

The hardiness of Liscomb as a drought resister is not equaled by any other variety, and its numerous lateral roots give it endurance against ground heaving, from frost, in severe winters. In the severe winter climate of Montana, the parent field from which our seed comes, still continues to produce a full crop of hay and seed (without irrigation), after 35 years of endurance. No part of it has ever been killed in any winter in all these years.

This sort has variegated blossoms and a receding crown (at times 3 to 5 inches below the surface of the soil), also a branched root system in place of a single tap root.

Lb., 65c, postpaid; 10 lbs., \$5.00; bu., \$28.00; 100 lbs., \$45.00.
Grain bags, 35c each, extra.



LISCOMB ALFALFA PLANTS

THE "GRIMM" or EVERLASTING ALFALFA

Renowned the World Over for Its Hardiness. Grimm stands in the same high relation to the Alfalfa as Marquis Wheat does to the Wheat Crop. It is a type of Northern origin, consequently has a very wide range of adaptability and hardiness.

Endures extremes of cold and withstands excessive heat, accepting most all soils and has obtained a reputation for productiveness and hardiness all through the Northwest. The seed is identical with other types of Alfalfa. We offer genuine Grimm Seed from an inspected field in So. Dakota. Our customers for Alfalfa in the North who wish to make a beginning will make no mistake in using this. Order early as the true stock is limited. Lb., 70c, postpaid; 10 lbs., \$5.50; bu., \$30.50; 100 lbs., \$50.00. Grain bags 35c each, extra.

WESTERN GROWN IDAHO SEED. This is extra fine, better than 99.5 per cent pure.

Lb., 40c, postpaid; 10 lbs., \$2.85; bushel, \$14.50; 100 lbs., \$23.50. Grain bags holding about 150 lbs., 35c each, extra.

DAKOTA GROWN DRY LAND SEED. This is an extra hardy strain of strong vitality and great productiveness. It withstands cold and climatic conditions in a marked degree. In wet weather it yields no seed crop.

Lbs., 45c, postpaid; 10 lbs., \$3.25; bu., \$17.25; 100 lbs., \$28.00.

KANSAS GROWN FANCY SEED. Lb., 35c, postpaid; 10 lbs., \$2.40; bu., \$13.00; 100 lbs., \$21.00.

Grain bags holding about 150 lbs., 35c each, extra.

ALFALFA SEED

You will find everything you want to know about raising a crop of Alfalfa in F. D. Coburn's book "Alfalfa." Price, 50c; postpaid.

BOKHARA or SWEET CLOVER. See page 100. Market Fluctuates. Write for latest Prices.

**PLANT
THE BEST**

Ask for prices
on Meadow and
Pasture Mixtures
giving acreage to
be seeded.

VAUGHAN'S FANCY

FANCY KENTUCKY BLUE GRASS (*Poa pratensis*)

The greatest of all pasture grasses for America particularly on limestone soils. All live stock like it and thrive and fatten upon it. It requires time to establish itself and should be grazed on lightly for the first two years. The time of sowing depends upon locality. In some sections **Early Spring** and again in **June** and in others the **Fall** is best. Busb. 14 lbs., sow three per acre.

Vaughan's re-cleaned, the highest grade of this grass seed that perfect growing and careful cleaning can produce, is the best that can possibly be procured.

Extra Fancy Sun-dried Seed, twice-re-cleaned; very high germination. Actual weight, 25 lbs. per bush., sold at legal weight (14 lbs. per bush.), 1 lb., 75c (by mail, 83c); 5 lbs., \$3.75; 10 lbs., \$7.20; 100 lbs., \$70.00.

Fancy Seed, actual weight 21 lbs. per bush., sold at legal weight (14 lbs. per bush.) 1 lb., 65c (by mail, 73c); 10 lbs., \$6.20; 100 lbs., \$60.00.

RHODE ISLAND BENT GRASS (*Agrostis tenuis*)

This valuable lawn grass resembles "Red Top" in appearance, but has shorter leaves; it makes a fine colored, close turf, and adapts itself readily to any soil, in which respect it also resembles "Red Top."

It is much in use in the New England States, for lawns and permanent meadows and pastures; for these it is very valuable. For lawns, sow in Spring 3 to 4 bushels per acre. We offer American grown seed this year, (14 lbs. to bushel). 1 lb., \$1.50; 10 lbs., \$13.50.

CREeping BENT GRASS

(European Mixed Bent)

The long creeping stems and spreading habit of this splendid grass make it ideal for Putting Greens; it makes a lasting turf that withstands hard usage.

The leaves are fine and it develops a dense growth, making it valuable for bottom lands and slightly sandy soil. Makes excellent hay and splendid pastures. (14 lbs. to bush.). Sow in Spring 50 lbs. to acre.

1 lb., \$1.50; 10 lbs., \$13.50.

ENGLISH BLUE GRASS

(*Festuca pratensis*, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. It is very permanent and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1 1/2 bushels to the acre. (20 lbs. to bush.) 1 lb., 40c; 10 lbs., \$2.75; 100 lbs., \$25.00.

RED TOP GRASS

(*Agrostis alba*)

This grass is especially adapted to moist soils.

It is one of the most valuable grasses for pastures and meadows but it is not as nutritious as Timothy for hay. Sow in spring or fall with or without a nurse crop. One bushel of chaff or unhulled Red Top, or one-half bushel of fancy seed is enough to sow an acre. For lawn mixtures it is invaluable. Grain bags, 35c each, extra.

Extra Fancy re-cleaned solid seed (32 pounds per bushel), 1 lb. 40c (by mail, 48c); 10 lbs. \$3.50; 100 lbs. \$30.00.

Natural or Unhulled (bushel 14 lbs.), lb. 28c (by mail, 36c); 10 lbs. \$2.35; 100 lbs. \$18.00.

CRESTED DOGSTAIL

(*Cynosurus cristatus*)

Essential in all good lawn grass mixtures. It thrives in all soils, but best in rich moist land. Makes smooth, close, fine, sward and is in demand for Putting Greens.

With Kentucky Blue Grass it gives splendid results; does well in shade. For lawns it should be sown in spring with other grasses, (21 lbs. to bushel), 1 lb. 75c; 10 lbs. \$6.50; 100 lbs. \$60.00.

Vaughan's Seed Testing Laboratory is under the supervision of an expert Seed Analyst who, with assistants in the department, makes 40,000 tests per year. **WE TEST ALL OUR FARM SEEDS FOR PURITY AND GERMINATION.**



A FIELD OF RED CLOVER AND TIMOTHY.

SAVE MONEY—BUY THE

Buy grass seed from a known reliable firm. Quality is at once apparent in many articles. Not so with grass seed. A trained expert is necessary to determine how clean a grass seed sample is and a laboratory is needed to make such analysis properly and also to determine how well such seed will grow. The United States Department of Agriculture and most of the States recognize that few farmers can themselves determine quality in seed, so they have provided laboratories where farmers may send their seed for analysis when in doubt as to the kind of seed they have. Vaughan's Seed Laboratories we believe to be the most complete up-to-date equipment of any seed house in America selling direct to the planter. Our analyst is a college graduate with a thorough training in the seed laboratories of the United States Department of Agriculture. We label all our lots of seed, 10 lbs. or over, with purity and germination test. On a basis of such tests we can and do compete with any seed house in price.

MEADOW FOXTAIL

(*Alopecurus pratensis*)

A mixture for any permanent pasture should contain some of this grass which is valuable for moist meadows and pastures, particularly the latter. It does not reach maturity for 2 or 3 years, therefore it should be sown in mixture with other grasses. Sow in Spring. Our seed weighs 7 lbs. to bush., 1 lb., 90c; 10 lbs., \$8.00; 100 lbs., \$72.00.

TRUE PERENNIAL SWEET VERNAL

(*Anthoxanthum odoratum*)

Very early. It imparts an exceedingly pleasant odor to hay. Sow in mixture with other grasses 1 lb., \$1.35; 10 lbs., \$12.00; 100 lbs., \$100.00.

TALL MEADOW OAT GRASS

(*Avena elatior*)

An excellent meadow grass for winter grazing, and for hay in Southern States and dry climates; should be sown with other grasses.

Sow in Spring or Fall 3 bushels per acre, (13 lbs. to bushel). 1 lb., 80c; 10 lbs., \$6.50; 100 lbs., \$62.50.

ANNUAL SWEET VERNAL

(*Anthoxanthum odoratum Puelli*)

Sow half to one pound per acre with other grasses in the Spring. 10 lbs. to the bushel.

Price, 1 lb., 40c; 10 lbs., \$3.00; 100 lbs., \$28.00.

CANADA BLUE GRASS

(*Poa compressa*)

A hardy grass with dense creeping root stocks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy use. Sow 3 bushels of seed to the acre in the Spring. (14 lbs. to the bushel.)

Price, 1 lb., 60c; 10 lbs., \$5.00; 100 lbs., \$45.00.

SHEEP'S FESCUE

(*Festuca ovina*)

A good grass for upland pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; (12 lbs. to bushel.) 1 lb., 70c; 10 lbs., \$5.50; 100 lbs., \$50.00.

VARIOUS LEAVED FESCUE

(*Festuca heterophylla*)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf.

Sow in Spring 40 lbs. to the acre. (Bush., 15 lbs.) Lb., \$1.00.

For other Fancy Grasses see pages 6 and 7.

Clovers, Valuable

FANCY MEDIUM RED CLOVER

Farmers should not neglect soiling crops like clover. They should consider seriously and do at least a part of their regular seeding. We are very proud of our fancy clover; purity, color and germination are of the highest standard. We invite comparison on a basis of quality. The market on clover seed changes daily and the prices quoted here are not fixed. Write for latest prices.

Fancy Seed, lb., 40c; 10 lbs., \$2.75; bush., \$15.50; 100 lbs., \$25.00; grain bags 35c each, extra. **Choice Grade**, for less money.

MAMMOTH RED CLOVER

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red, is hardier and not so liable to winter kill.

Fancy Seed, lb., 40c; 10 lbs., \$2.85; bush. (about 60 lbs.), \$15.75; 100 lbs., \$25.50. Grain bags 35c each, extra.

BOKHARA OR SWEET CLOVER—White Blossom

On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and S. Dak. no other soil-renewing plant can produce as good results. It withstands summer heat and the cold of northern winters. Cattle, sheep and hogs soon acquire a taste for it and as a feed it ranks in value close to Alfalfa. It has the same nitrogenous value as Alfalfa. Cut before getting too large, it makes good hay. Sow in spring or fall. We offer hulled seed, scarified and tested. Lb., 20c; 10 lbs., \$1.25; 100 lbs., \$10.00. Grain bags, 35c each, extra.

GRASSES and CLOVERS

**PLANT
THE BEST**

BEST GRASS SEED

Vaughan's Seed Store offers grass seeds at a price that is just based upon the quality offered. No better evidence of this truth is furnished than our selling lawn grass seed year after year in actual growing tests to parks and cemeteries in ton lots at prices much higher than department stores and others supply in single pound lots.

We purchase our seeds where we know the best is produced. Our large experience in the business—our trade which demands the best in volume—is so well known that producers all over the country save their better samples knowing we will pay the price for better goods. Our location—Chicago the greatest grass seed distributing center in the world, and New York City the greatest importing center—gives us a great advantage with regard to prices and stock.

Let us have an opportunity to quote you on a basis of latest market prices on a quality basis. Weekly price card sent on request.

TIMOTHY (*Phleum pratense*)

One of the best grasses for hay or pasture. Withstands extremes of heat and cold.

The most popular of all hay grasses. A stand is easily secured, growth is rapid and the hay produced commands the highest market figure. An especially valuable feature of Timothy is its hardiness and its ability to withstand both heat and cold. Timothy sown alone is "hard" on the soil and should be followed with a dressing of manure. The vast majority of farmers now sow clover either Medium Red or Alsike with Timothy to replenish the soil with the nitrogen taken by the Timothy. Timothy demands good, rich, rather heavy land.

Prices.—Chicago is the World's Timothy center. We have the opportunity and avail ourselves of it, to pick the cream of the crop of the country. Our samples are the best—tested for purity and germination—and prices the lowest.

V Vaughan's Fancy Seed. 99.5 pure. Lb., 16c; 10 lbs., \$1.10; 100 lbs., \$9.00.

Vaughan's Choice Seed. Lb., 16c, 10 lbs., 90c; 100 lbs., \$8.50. Grain bags 35c each, extra.

RED OR CREEPING FESCUE

(*Festuca rubra*)

An excellent bottom grass for pastures and especially for those which are quite shaded. For lawns it is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; (14 lbs. to the bushel.) Seed short on account of European conditions. Lb., 90c; 10 lbs., \$8.00; 100 lbs., \$70.00.

SLENDER FESCUE OR FINE LEAVED SHEEP'S FESCUE

(*Festuca tenuifolia*)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Sow in spring 30 lbs. to the acre. (22 lbs. to the bushel.) Lb., \$1.00. Seed not obtainable this year.

HARD FESCUE

(*Festuca duriuscula*)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, but must be sown in mixture with other sorts on account of its forming tufts. Sow in Spring 30 lbs. to the acre; (12 pounds to bushel.) 1 lb., 60c; 10 lbs., \$5.00; 100 lbs., \$40.00.

ORCHARD GRASS

(*Dactylis glomerata*)

A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Wet soils do not suit it. Not recommended for lawn mixtures as it grows in tufts and leaves bare spots. Sow in Spring, 25 to 30 lbs. per acre. (14 lbs. per bushel.) 1 lb., 60c (by mail, 68c); 10 lbs., \$5.50; 100 lbs., \$50.00.

Leguminous Crops

ALSIKE OR HYBRID CLOVER

Thrives well on damp soils where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price many farmers are sowing Alsike. Sow 5 to 6 lbs. per acre in spring.

V Vaughan's Brand. Lb., 35c; 10 lbs., \$2.40; bush. (60 lbs.), \$13.50; 100 lbs., \$22.00. Grain bags, 35c each, extra.

WHITE CLOVER

Extremely valuable for permanent grass mixtures. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Sow in spring, 3 to 4 lbs. per acre.

Extra Fancy Seed: Lb., 75c (by mail, 83c); 10 lbs., \$7.00; bush. (60 lbs.), \$40.00; 100 lbs., \$65.00.

Choice Seed, clean, but not as bright as the above: Lb., 55c (by mail, 63c); 10 lbs., \$4.50; bush (60 lbs.), \$26.00; 100 lbs., \$42.50. Grain bags, 35c each, extra.

CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. Sow in August or September, 15 lbs. per acre. Lb., 20c (by mail, 28c); 10 lbs., \$1.65; bush. (60 lbs.), \$8.75; 100 lbs., \$14.00.

On account of high value of clovers we ship in Grain Sacks, for which there is a charge of 35c extra.

ITALIAN RYE GRASS

(*Lolium italicum*)

Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Valuable in lawn grass mixtures demanding immediate effect. Does particularly well in the south. Sow in spring, 60 to 70 lbs. per acre. (18 lbs. to the bushel.) Price, lb., 20c (by mail, 28c); 10 lbs., \$1.35; 100 lbs., \$11.50.

ENGLISH or PERENNIAL RYE GRASS

(*Lolium perenne*)

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soil best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in spring, 60 to 70 lbs. per acre.

Standard Weight, 24 lbs. to the bushel. Lb., 20c (by mail, 28c); 10 lbs., \$1.40; 100 lbs., \$12.00.

Pacey's or Short Seeded Rye. Lb., 22c (by mail, 30c); 10 lbs., \$1.50; 100 lbs., \$13.50.

CHEWING'S FESCUE

(New Zealand Grass)

A good substitute for Red Fescue. Lb., \$1.35; 10 lbs., \$12.00; 100 lbs., \$100.00.

BERMUDA GRASS

(*Cynodon dactylon*)

The grass for Southern Lawns and pastures; hard to kill, resists drought; should only be planted for permanency and in the south. Sow in spring 15 lbs. to acre. (30 lbs. to bushel), 1 lb., 60c; 10 lbs., \$5.00; 100 lbs., \$40.00.

Our Lawn Mixtures are all made from Re-cleaned Fancy Grasses.

ROUGH-STALKED MEADOW GRASS

(*Poa trivialis*)

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. (14 lbs. to the bushel.) Lb., \$1.50; 10 lbs., \$13.00; 100 lbs., \$110.00.

WOOD MEADOW GRASS

(*Poa nemoralis*)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. (14 lbs. to the bushel.) Price, lb., \$1.35; 10 lbs., \$12.00. Write for price in quantity.

AWNLESS BROME GRASS

(*Bromus inermis*)

Successful on arid soils, very strong, thick growth, making two big crops. Cut in bloom, it nearly equals Timothy. It prevents washing on banks of streams; is hard to eradicate—fine pasture. Sow in Spring, Vaughan's extra cleaned seed. 2 bushels per acre, (14 pounds to bushel.) 1 lb., 35c; 10 lbs., \$2.25; 100 lbs., \$20.00.

JOHNSON GRASS

(*Andropogon Halepensis*)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; (25 lbs. to bushel.) Lb., 25c; 10 lbs., \$1.65; 100 lbs., \$14.00.



RED FESCUE



IMPROVE YOUR LAND BY PLANTING CLOVER

**PLANT
THE BEST**

VAUGHAN'S TESTED

**Our Farm Seed and Grains are Grown by Ourselves
Re-Cleaned, Analyzed for Purity**

Due to the location of our two stores (New York and Chicago) we are in constant touch with the leading market, and conditions of the same. With our favorable freight rates and the best shipping facilities in the United States, we are in a position to serve our customers as is no other house.

Free Samples to Intending Purchasers.—Most of our seeds are grown especially for us. All are excellent samples, carefully re-cleaned and grown under our direct supervision from thoroughly reliable re-cleaned stock seeds.



STORM KING OATS

STORM KING OATS (New)

A new sort which has attained remarkable popularity in the eastern sections of the United States. It is a medium early, close-heading variety, good height and a heavy stiff straw. The grain has a heavy shuck with a large berry of excellent shape. Our trials the past summer in Michigan, show this well worthy of a place in the western sections. We recommend it for trial.

**Peck, 60c; bush., \$1.60;
10 bush., \$14.00; bags free.**

**NOTE
IMPORTANT**
Prices include Cotton sacks holding 2½ bushels of grain.

SEED BARLEY, SELECTED, RE-CLEANED

WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best six-rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain. It has proved in many trials a greater yielder than all others. It is tall-growing with plump grain, very stiff straw and large well-filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, peck, 45c; bush., \$1.60; 10 bush., \$14.50; bags free.

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six-rowed variety, introduced in 1906 by the Wisconsin Agricultural Experiment Station. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is Wisconsin-grown, produced from seed secured from the Wisconsin Experiment Station.

Price, peck, 45c; bush., \$1.60; 10 bush., \$14.50; bags free.

SUCCESS OR BEARDLESS This is the earliest and hardiest of all barleys. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats. It may be fed without danger of injury to the animals. Yields always show some bearded plants although our stock is exceptionally fine.

Prices, peck, 70c; bush., \$2.25; 10 bush., \$20.00; bags free.

WHITE HULLESS Strictly a feeding sort. It has a grain like wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

Price, peck, 80; bush., \$2.75; 10 bush., \$25.00; bags free.

VICTORY OATS. American grown seed, raised from imported Swedish stock. The best of varieties for American conditions. Put out by the Swedish Society for the improvement of seed. The result of twenty-five years of scientific seed breeding. In season it is like Swedish Select. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff and firm. In favorable seasons our heaviest yielder.

Peck, 40c; bush., \$1.25; 10 bush., \$11.00; bags free.

IOWAR OATS (New). An introduction of Prof. Burnett of Ames, Iowa, College. It is a few days later than the Iowa 103—another oat from the same source, but is a heavier yielder and slightly taller. The grain has a thin hull, good color and size. Should be given a trial.

Peck, 50c; bush., \$1.45; 10 bush., \$12.50; bags free.

GRAINS FOR FALL PLANTING—Write us in the Fall or now for pedigree—certified—Rosen Rye—Red Rock Wheat—Klondike White Wheat grown on our own farms in Central Michigan.



**SAMPLES
OF THESE
FANCY
OATS
FREE TO
PROSPEC-
TIVE
BUYERS**

**NEW WHITE
KHERSTON OATS**

(Iowa 103)

The best variety to date on rich, heavy soils. In Iowa it is by far the most popular variety, as it produces a crop before extreme heat. It is fast superceding all other types in that state. In favorable cool seasons, on heavy soil, on account of its short straw, there is little loss from lodging. It is a white seeded selection of the Yellow Kherston, with the advantages of color and more recent selection. Extra early in season.

Price, peck, 40c; bush., \$1.25; 10 bush., \$11.00; bags free.

KHERSTON OR SIXTY-DAY OATS.

The most popular new Oat for rich prairie soils. A very early variety, producing large yields. It matures in July and admits of harvesting before wild oats and other noxious weeds ripen and drop their seed. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color, which injures its market value.

Price, peck, 35c; bush., \$1.15; 10-bush. lots, \$10.00; bags free.

All prices quoted represent values when catalog went to press. Subject to market changes. Write for latest quotations.

PURE FARM SEEDS

PLANT
THE BEST

or Purchased from the Most Reliable Sources. They are and Tested for Germination.

Prices—The market on this class of seeds is changing constantly and prices given below, represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

Quality considered, we can meet any competition.

OATS, VAUGHAN'S "SWEDISH SELECT"

Extra Heavy Re-cleaned Seed

Introduced a few years ago by the U. S. Department of Agriculture and to-day the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, peck, 40c; bush., \$1.25; 10 bush., \$11.00; bags free.

OATS, BLACK VICTOR

The darkest of the Black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean heavy Northern-grown seed.

Price, peck, 50c; bush., \$1.45; 10 bush., \$12.50; bags free.

WHEATS—Spring

Fancy Northern Seed

Write for latest quantity prices. Sow 1½ bushel to acre. Bags included.

MARQUIS. In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out-yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself. Marquis Wheat grades No. 1 almost every time. It won first prize for the best American wheat at all the International Shows the past three years. Wheat price changeable. Write for prices in quantity.

Price, peck, 70c; bush., \$2.50.

BLUE STEM PEDIGREED. A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.

Price, peck, 70c; bush., \$2.50. Write for latest "quantity" prices.

MACARONI OR DURUM. We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts.

Price, peck, 70; bush., \$2.50. Write for latest "quantity" prices.

FLAX SEED

Primost Variety, fancy re-cleaned Dakota seed. (Bu. 56 lbs.) Peck, \$1.10; bu., \$4.00. Bags free.

If shipped from New York, add 65c per bushel.

SPRING EMMER

Incorrectly called "SPELTZ"

A grain especially suited to dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high. Sow 1½ bu. to acre. Price, lb., 15c; 3 lbs., 25c; bush., (40 lbs.) \$1.25; 5 bush., \$5.50. Bags free.

SPRING RYE

A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. Sow about 1½ bu. per acre. Crop is very short.

Price, peck, 75c; bush., \$2.50; 10 bush., \$23.50. Bags free.



GOLDEN MILLET



VAUGHAN'S SEEDS FOR ALL ENSILAGE ARE THE BEST

BUCKWHEAT

Write for "quantity" prices.

Sow after June 16. On worn-out soils, a plowed-under buckwheat crop is a good fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE. Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed. (Bush., 48 lbs.) Price, peck, 50c; bush., \$1.75; 100 lbs., \$3.25. Grain bags, 35c each, extra.

SILVER HULL. A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. (Bushel, 48 lbs.) Choice seed. Price, peck, 50c; bush., \$1.75; 100 lbs., \$3.25. Grain bags, 35c each, extra.

MILLETS

GOLDEN. Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bush., 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices for quantities.

Price, bushel, \$1.75; 100 lbs., \$3.25. Grain bags, 35c extra.

HUNGARIAN MILLET. Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bushel, 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Price, bushel, \$2.00; 100 lbs., \$3.75. Grain bags, each, 35c extra.

JAPANESE MILLET. Entirely distinct. It grows 6 feet high and yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of clover. It may be sown from the middle of May to the 1st of July, if broadcast, at the rate of 15 lbs. per acre, but it is better to sow in rows 12 or 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds. Very scarce.

Price, lb., 15c; 10 lbs., 65c; 50 lbs., \$2.90; 100 lbs., \$5.50. Grain bags, each, 35c extra.

PEARL OR CAT-TAIL MILLET. No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.

Price, ¼ lb., 10c; lb., 35c; 10 lbs., \$2.25; 100 lbs., \$20.00. Grain bags, each, 35c extra.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. Grain bags, 35c each, extra.

Japanese grown (Winter Sowing Rape).

Lb., 18c; 10 lbs., \$1.10; 100 lbs., \$8.50.

Genuine English Grown. Dwarf Essex Rape.

Lb., 20c; 10 lbs., \$1.25; 100 lbs., \$10.00.

SUNFLOWER, MAMMOTH RUSSIAN

Standard crop raised for the seed which is used in Poultry and Parrot feeds. Fancy domestic seed suitable for sowing. Sow about 8 lbs. to acre.

Oz., 5c; lb., 15c; 10 lbs., 90c; 100 lbs., \$6.50. Bags free.

VAUGHAN'S PEDIGREED SEED CORN (EARLY)

Our Seed Corns, Early and Late Dents and Flints are the best bred types and are grown in their respective seed sections. Plant corn suited to your locality. We give full descriptions and state where grown. Our corn is thoroughly tested and we know it grows, before sending it out.

The Vaughan Farms in Northern Illinois and Central Michigan are ideally situated for producing those varieties of early corn most suitable for the majority of our customers in the seed corn line, whose farms are located in Northern Illinois, South and Central Wisconsin and Michigan. We try, without regard to expense, to sell the best bred corn of the highest germination. The corn is field sorted, put in crates and then racked, each ear separately to insure even drying. In drying, artificial heat is used when moisture content demands such treatment.

MADISON YELLOW DENT

Grown by us on our Central Michigan Farm

For the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan, this, we believe, is the best corn ever introduced. It matures in 100 to 106 days of ordinary corn growing weather, and is a magnificent yielder. The ears are a little smaller than Reid's Yellow Dent, but resemble that sort otherwise; they are 8½ inches long, and have 16 rows of deep set kernels arranged close together in even rows, but with space enough to permit perfect drying, a very essential point in northern corn. Our strain is grown on the Vaughan farms in Central Michigan and Northern Illinois, and by contract with expert growers in the same localities under our direct supervision. We have a good quantity of magnificent corn grown on our Central Michigan Farms. Germination about 100%. **Selected Ears, Price, bush., \$3.75; 3 bush., at \$3.50. Shelled and graded, ½ peck, 45c; peck., 80c; bush., \$2.75; 5 bush., at \$2.50.**



MADISON YELLOW DENT



A Crate of Vaughan's Selected Ear Corn

MINNESOTA No. 13

This is known also as Wisconsin No. 8, and is a heavy yielding, very early Yellow Dent corn; matures in 90 days of corn-growing weather. This variety grows to a height of 8 feet on good soil and furnishes a great amount of fodder. The ears are 8 inches long, with 16 rows of kernels and taper to tip; the kernels show a good Dent type and are of fair depth. Although not yet as well bred as Madison Dent, it is about 10 days earlier. **Minnesota grown, Selected ears, bush., \$3.75; 3 bush., at \$3.50. Shelled and graded, ½ peck, 45c; peck, 80c; bush., \$2.75; 5 bush., at \$2.50.**

SILVER KING—or Wisconsin No. 7

This corn, introduced some years ago by Prof. Moore of the Wisconsin experiment station, is gaining in favor with corn growers. The ears have a good cylindrical shape, are about 8 inches long and usually have 16 rows of kernels which are deep set, and just thick enough to permit rapid ripening. This is an excellent corn for central and southern Wisconsin. Our corn is grown by ourselves in Central Michigan. **Price, Selected ears, bush., \$4.00; 3 bush., at \$3.75. Shelled, ½ peck, 50c; peck, 85c; bush., \$3.00; 5 bush., at \$2.75.**

DAKOTA YELLOW DENT

A very early Yellow Dent corn raised in North Dakota; matures in better than 90 days; ears 7 inches long; kernels quite hard; good for late planting in central locations. The yield may be increased by planting closer than is customary with Standard Dent sorts. **Dakota grown. Price, shelled, ½ peck, 50c; peck, 90c; bush., \$3.25.**

EXTRA EARLY FLINT CORNS

Flint Corns are grown in the colder sections of the corn belt as they are earlier than the Dent type. In the central belts they are used for late sowing, as they mature a crop when it is much too late to plant Dent sorts. Equally as good as Dent corns for silage purposes.

LONGFELLOW FLINT. A beautiful cob of rich, glossy yellow and very long—10 to 15 inches. The stalks grow to the height of 7 to 7½ feet and the ears are borne about 3 feet from the ground. This is a favorite with chicken raisers in the middle corn belt. **Shelled, ½ peck, 40c; peck, 75c; bush., \$2.50.**

GIANT LONG FLINT. A tawny, smoky white sort, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are 12 to 15 inches long, which is an unusual characteristic of this variety; and they are smooth and symmetrical. Stalks bear two to three ears. **Shelled, ½ peck, 40c; peck, 75c; bush., \$2.50.**

KING PHILLIP. This is an extra early Red Flint sort. The ears are 10 inches long and eight-rowed. On poor land it does much better in yield than most other sorts. **One of the very earliest field corns. Shelled, ½ peck, 40c; peck, 75c; bush., \$2.50.**

WILL'S JEHU. Also known as North Dakota Yellow Flint. This is, perhaps, the earliest yellow flint corn that is valuable. The plant's average height is 5 feet, and the ears, which are 8 inches long, grow close to the ground. **Dakota seed. Shelled, ½ peck, 50c; peck, 85c; bush., \$3.00.**

GOLDEN GLOW—Wisconsin No. 12

Is a fine product of "Minnesota No. 13," crossed with "North Star." It is very early and develops ears of good size, 8 inches in length, slightly tapering. The kernels are of medium depth, slightly rough. The cob is large enough to aid early drying, but is not too large. This is a very strong growing plant with plenty of foliage, which enhances its value for fodder. **Wisconsin grown. Price, Selected ears, bush., \$4.00; 3 bush., at \$3.57; Shelled, ½ peck, 50c; peck, 85c; bush., \$3.00; 5 bush., at \$2.75.**

PRIDE OF THE NORTH

This is the most extensively planted yellow Dent corn in northern Illinois and Iowa. It is a standard early, and the seed which we offer is grown in eastern Nebraska. We find it even in type and earlier in season than much of the southern "Pride." The type varies but usually has 16 rows of kernels on a cob, with tapering tip. **Nebraska grown, Shelled, ½ peck, 35c; peck, 65c; bush., \$2.00; 5 bush., at \$1.75.**

SMUT NOSE FLINT. The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are 10 inches long and large around, very vigorous in growth, producing a good amount of fodder. **½ peck, 40c; peck, 75c; bush., \$2.50.**

POP CORN Selected Ears For Seed

BLACK BEAUTY (New). An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black it pops a pearly white. Extremely early, ripening so it may be popped the same year as grown, without kiln drying. **Pkt., 10c; lb., 25c; 5 lbs., 85c; 10 lbs., \$1.40; 100 lbs., \$10.00.**

JAPANESE DWARF RICE. Very tender and almost hullless. Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety. Crop very short. **Pkt. 10c; lb. 25c; 10 lbs., \$1.40; 100 lbs., \$10.00.**

BABY GOLDEN (New). A yellow Dwarf Rice. A wonderful seller on the local market. Same fine hullless quality as the Dwarf Rice. **Pkt., 10c; lb., 30c; 5 lbs., 90c; 10 lbs., \$1.65.**

Price of any of the following kinds of Pop Corn:

Pkt., 5c; lb., 20c; 5 lbs., 70c; 10 lbs., \$1.25; 25 lbs., \$2.25; 100 lbs., \$8.00.

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE Most popular, grain pointed, pops white, and full.

MAPLEDALE PROLIFIC A great yielder, it pops pure white.

QUEEN'S GOLDEN It pops perfectly white and a single kernel will expand nearly one inch.

VAUGHAN'S PEDIGREED SEED CORN (LATE)

Seed Corn for the whole country cannot be raised in one locality. Our seed corn is grown by the most expert growers in those localities where each variety does its best. Kinds suitable only for a short or medium corn growing season are raised for us in Northern Sections. Main crop sorts are grown for us in sections where they reach their full maturity and development. Our growers are

recognized leaders in growing their respective varieties. They know all about the latest theories of corn breeding and practice them.

We plainly state where each corn has been grown, for it must be borne in mind, seed corn produces best when planted under similar climatic and soil conditions to which it was originally raised. Order seed corn early, so that you may test it for yourself.

REID'S YELLOW DENT

Northern Grown

Ten days earlier than the Standard Type

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle Counties. This strain of "Reid's" differs from the standard type only in running slightly smaller and with larger cobs. Can be used in Cook County and westward and is the finest, highest grade yellow corn which can be safely planted this far north. A very fine variety for ensilage planted north of this section.

Selected Ears—Bush., \$3.75; 3 bush. at \$3.50.
Shelled—½ peck, 50c; peck, 85c; bush., \$2.75; 5 bush. at \$2.50.

BOONE COUNTY WHITE

The best type of the White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. This variety is also known as Johnson County White in Indiana, and is the great white show corn—having won more prizes than any other white corn. It also holds most of the high yields per acre records. Our Central Illinois grower, who raises this corn for us, has won many prizes. Pedigreed corn bred by ear to the row method.

Selected Ears—Bush., \$3.75; 3 bush. at \$3.50.
Shelled and Graded—½ peck, 50c; peck, 85c; bush., \$2.75; 5-bush. lots at \$2.50.

IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical in shape, tapering only a little at the tip, 18 to 20 rows; length 9 inches, circumference, 7½ inches, kernels rough and deep, little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders.

Central Iowa-Grown—Shelled and graded. ½ peck, 35c; peck, 65c; bush., \$2.00; 5 bush. at \$1.75.

FODDER CORN

Fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder. Sweet corn is used in most dairying regions.
SWEET FODDER. Nothing better for summer and fall green feed, or curing for winter. Peck, 85c; bush., \$3.00.

REID'S YELLOW DENT (Standard Type) Pedigreed Seed

The great prizewinning Show Corn brought to Illinois in 1864, from Ohio. For Southern Iowa, Central Illinois, (see Northern Grown Reid's for North Central Illinois) Central Indiana, Kansas, Missouri and Nebraska this is the most satisfactory yellow Dent Corn to grow. We do not recommend this or any other variety on this page for Wisconsin, Michigan or similar latitudes. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is most accurately described as follows: Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between them; deep grains with small cob, well filled at butt and tip. Matures in about 115 days in Central Illinois. We

offer a very choice selection of seed from pedigree stock selected for years, grown in Illinois by one of the best corn breeders in the United States.

Selected Ears—Bush., \$3.75; 3 bush. at \$3.50.
Shelled and Graded—½ peck, 50c; peck, 85c; bush., \$2.75; 5 bush. at \$2.50.

LEAMING IMPROVED

Probably planted over a greater area of country than any other sort on account of its great adaptability to various soil and other influences. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; wedge-shaped yellow kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. The stalks are very leafy, so that it is one of the best fodder varieties.

Nebraska-Grown—Shelled, ½ peck, 35c; peck, 65c; bush., \$2.00; 5 bush. at \$1.75.

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Ears average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been so carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder specialist on this.

Nebraska-Grown—Shelled, ½ peck, 35c; peck, 65c; bush., \$2.00; 5 bush. at \$1.75.

RED COB ENSILAGE or FODDER. Has a deep red cob, strong leafy stalks and short joints.

Southern Grown—Peck, 50c; bush., \$1.60.

VIRGINIA MAMMOTH WHITE HORSE TOOTH. Small stalk, vast quantity foliage, short joints, kernels large and white. Peck, 60c; bush., \$1.75.

SORGHUMS, KAFFIR, MILO, CANE, BROOM CORN

Market fluctuates. Write for latest prices. Prices quoted include cost of bags.

VAUGHAN'S EARLY AMBER CANE The value of Sugar Cane as a green fodder crop is appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre with a small investment for seed. Sow 60 pounds to the acre.

Northern Seed, pkt. 5c; lb. 20c; 10 lbs. 65c; 50 lbs. \$2.75; 100 lbs. \$5.00; bags free.

Southern Seed (for fodder) 10 lbs. 50c; 50 lbs. \$1.70; 100 lbs. \$3.00; bags free.

FETERITA Earliest of the drought resisting sorghums. Outyielded all other sorghums during past dry summer in Kansas. Price, lb. 15c; 10 lbs. 5c; 50 lbs. \$1.70; 100 lbs. \$3.00.

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs. per acre. Pkt. 5c; lb. 20c; 10 lbs. \$1.00; 50 lbs. \$4.50; 100 lbs. \$8.50.

KAFFIR CORN One of the best forage plants. Preferred by some to Cane. Grows four to five feet high. For fodder sow 40 lbs. per acre broad-cast. Pkt. 5c; lb. 15c; 10 lbs. 50c; 50 lbs. \$1.70; 100 lbs. \$3.00.

MILO MAIZE Yellow variety of sorghum, non-saccharine, stalks 8 to 10 feet high. It stands dry weather and makes its crop where corn would fail. Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs. per acre. 1 lb. 15c; 10 lbs. 50c; 50 lbs. \$1.70; 100 lbs. \$3.00.

IMPROVED EVERGREEN BROOM CORN The most popular variety in the Western broom corn-growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre. Western Grown, Price, lb., 15c; 5 lbs., 30c; 10 lbs., 55c; 50 lbs., \$2.25; 100 lbs., \$4.00. Illinois-Grown, lb., 20c; 10 lbs., \$1.20; 100 lbs., \$9.00.

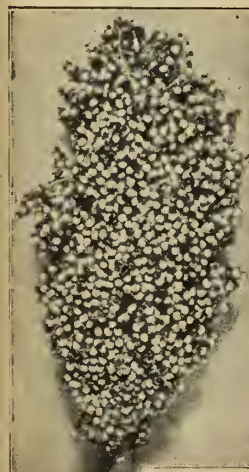
OKLAHOMA DWARF BROOM CORN An extra early sort. Height 5 ft. Western. Price, lb., 15c; 10 lbs., 30c; 100 lbs., \$4.00.

SUDAN GRASS Closely related to the cultivated sorghums; of value particularly in the dry Middle West as a drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth. Price, lb., 15c; 10 lbs., 65c; 100 lbs., \$5.00.

Culture of Sudan Grass—Sudan grass may be sown either drilled or broad cast. If planted in rows, the rows should be as close as possible and yet permit of easy cultivation. In 30-inch rows, 3 to 4 pounds of seed per acre is ample, and under conditions of low rainfall this method is recommended. Under irrigation, 18-inch rows are preferable, and 4 to 6 pounds per acre.



REID'S YELLOW DENT



FETERITA

VAUGHAN'S NITROGEN GATHERING PLANTS

SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody, otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago, we would advise using Northern grown seed. Seed should be sown in June at the rate of 1/2 bushel per acre and in drills 30 inches apart.

Ito San. Michigan-grown. 1/2 pk., 60c; pk., \$1.00; bush., \$3.50. Bags free.

Manchu. Michigan-grown. 1/2 pk., 60c; pk., \$1.00; bush., \$3.50. Bags free.

Black Beauty. Northern-grown. 1/2 pk., 60c; pk., \$1.00; bush., \$3.50. Bags free.

Mammoth—Yellow. Southern-grown seed. Use south of middle Illinois. 1/2 pk., 55c; peck, 90c; bush., \$3.25.

GIANT BEGGAR WEED

(Florida Forage Plant). An upright growing legume. A fine fodder plant which reaches immense size, also good for plowing under in light soils. For hay cut when first blooms appear. Plant 10 lbs. per acre. Pkt., 10c; 1/4 lb., 20c; lb., 65c; 5 lbs., \$2.75; 10 lbs., \$5.00.

VELVET BEAN

A very heavy yielding legume belonging to the Soja and Cow Pea class. The most rapid growing of all these sorts. Very popular in the South and of value in the North for a cover crop. Sow about 1 bu. per acre, in drills.

Price, pkt., 10c; 1/2 peck, 65c; peck, \$1.15; bush., \$4.00. Bags free.

COW PEAS

Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased, there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. To those in the North who have not had the best success with this plant, we would say that a warm, sandy soil will give best results. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.



A FIELD OF COW PEAS

Ploughed under, a great soil enricher; or cut makes fine hay.

VETCHES

WINTER VETCH. (*Vicia villosa*) Sand or Hairy Vetch. The winter cover crop. This is a hardy legume sown in the Northern States in the fall months, growing well that season and remaining green all winter. It supplies the place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil and at the same time, being a nitrogen gatherer, enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bushel per acre.

Price: lb., 30c; bush. (60 lbs.), \$8.25; 100 lbs., \$14.00. Grain bags, 35c each. Write for latest prices in August. We are direct importers of this seed.

SPRING VETCH OR TARES (*Vicia sativa*—Oregon Vetch). Sown broadcast at rate of 1 to 1 1/2 bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas.

Per lb., 25c; peck, \$1.40; bush., \$5.25. Grain bags, 35c each, extra.

CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with 1 1/2 bu. oats. Prices subject to market changes.

Bush., \$5.25; 2 bush., \$9.75; 10 bush., \$45.00. Bags free.

LENTILS

A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. Sow about 60 lbs. per acre.

Lb., 25c; 10 lbs., \$2.00.

SAINFOIN OR ESPARSETTE

An excellent perennial Fodder plant growing about 3 feet high, flowering in June and July. It is adapted to light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.

Price, lb., 30c; 10 lbs., \$2.25; 50 lbs., \$9.25; 100 lbs., \$18.00.

Grain bags, 35c each, extra.

LUPINS, YELLOW

Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Subject to arrival from Europe. Lb., 30c; 10 lbs., \$2.15; 50 lbs., \$8.75; 100 lbs., \$17.00.

COW PEAS—As soil renovators and enrichers, have few equals; like other leguminous plants, besides yielding a bountiful crop, they increase the fertility of the soil by collecting nitrogen from the air and adding this expensive fertilizer to the land at a minimum of cost.

Northern Grown Cow Pea. Michigan Favorite. A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin.

Peck, \$1.40; bush., \$5.00.

Southern Black Eye. Peck, \$1.00; bush., \$3.50.

Whip-Poor-Will. Peck, \$1.00; bush., \$3.50.

New Era. Peck, \$1.00; bush., \$3.50.

Prices for All Cow Peas, 35c per quart of about 2 lbs., postpaid in first three zones.

Write for latest market price on quantity of any of the above. Burlap bags included.

NITRAGIN—Pure Culture



A legume-inoculating material manufactured under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. "Nitragin Pure Culture" is put up in round tin cans, in three sizes—garden, one-half bushel and one bushel. Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clovers, Cow Peas, Soja Beans, Vetches, etc., etc.

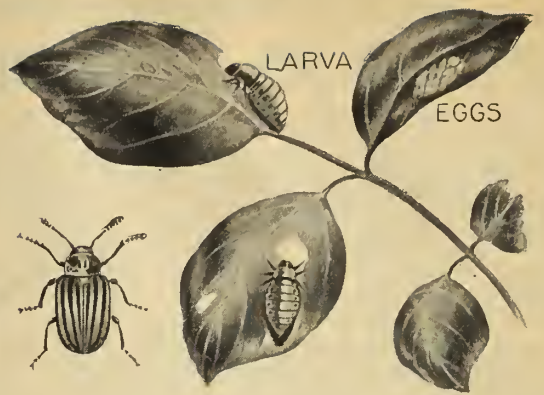
Price, Garden size, 15c; 1/2 bushel size, 55c; 1 bushel size, \$1.00. All postpaid.

Vaughan's Seed Testing Laboratory is under the supervision of an expert Seed Analyst who, with assistants in the department, make 40,000 tests per year. WE TEST ALL OUR FARM SEEDS FOR PURITY AND GERMINATION.

Garden Insect Enemies

Description and Remedies

(SEE NEXT TWO PAGES FOR PRICES AND APPLIANCES)



POTATO BEETLE

PO-TA-TO BEETLE—These striped yellow and black beetles appear in numbers in early spring and as soon as young plants are up. They commence depositing eggs on the underside of leaves, meanwhile feeding upon the tender foliage. In about one week these hatch a horde of hungry larvae who destroy the foliage rapidly, attaining full size in from 2½ to 3 weeks. Remedies: Spraying or dusting with Calcium Arsenate, Arsenate of Lead, Pyrox, Paris Green.



CABBAGE WORM

CABBAGE WORM — These green caterpillars hatch from eggs laid by the common white butterfly. There are several broods produced each season. The most effective means of control is by spraying or dusting with Arsenate of Lead, Calcium Arsenate, Kerosene Emulsion, Pyrox, Hellebore, Hammond's Slug Shot.



CABBAGE BUTTERFLY

TUSSOCK MOTH



TUSSOCK MOTH—A handsome red-headed yellow and black tufted caterpillar, about one inch long, which devours the foliage of both shade and fruit trees, sometimes eating into fruit. To control this pest, the cotton-like egg masses should be collected in both fall and winter, and trees banded with Tree Tanglefoot. Spray often with Arsenate of Lead, taking care to cover underside of foliage thoroughly.

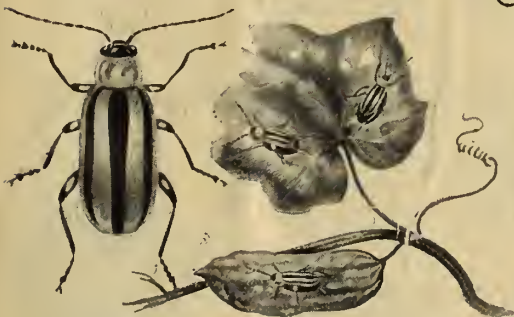


TUSSOCK-MOTH CATERPILLAR



TOMATO WORM

TOMATO WORM—The moths appear in May or June and deposit the eggs singly upon the lower surface of the leaves from which the caterpillars hatch in 4 to 8 days. As they feed voraciously they become full grown in 3 weeks' time. There are sometimes two broods in a season. The most successful remedies are Pyrox, Calcium Arsenate, Arsenate of Lead.



CUCUMBER BEETLE NATURAL SIZE 1/4-INCH

CUCUMBER BEETLE—These striped black and yellow beetles appear in great numbers and attack the young plants as soon as up. Protect the vines with screens until they begin to run. Spray or dust with Bordeaux Mixture, Arsenate of Lead, Hammond's Slug Shot, Tobacco Dust, Pyrox, covering underside of foliage.



NATURAL SIZE 1/8-INCH

PLANT-LOUSE [APHID]

CARL F. GRONEMANN

APHIDES—Plant Lice, Green Fly, Bark Lice, etc., are minute insects feeding upon the sap in the tender parts of plants, both indoor and out. Can be successfully destroyed by the use of the following contact remedies: Black Leaf 40, Nikoteen, Aphine, Kerosene Emulsion, Lemon Oil, Nicofume, Tobacco Soap. Contact remedies are effective only when the poison touches the insect. Be sure to cover the under side of the leaves.

SPRAYERS AND DUSTERS FOR INSECTICIDES

Iron Age Vertical Barrel Sprayer Pump No. 191

For the man with a small orchard or a few trees in the garden, a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, 191 \$27.25 without barrel; 191B (with barrel) \$34.50; 1911 (without barrel) with 15 ft. lead hose \$33.50

Iron Age 20-Gallon Barrel Sprayer No. 197

For gardens, estates, parks, poultry plants, etc. 20-gallon one man outfit, mounted, brass pump easily taken out of the barrel, and can be used elsewhere. Ball valves, wick packing, all easy to get at, 100 pounds pressure. Pump with one hand, guide spray rod with the other. 24 inch wheels, 2 inch tires. Equipment includes 33 inches half inch hose, two lengths of pipe, two feet each, one sliding grip for pipe, one Iron Age nozzle, one extra nozzle or cap for washing windows, etc. Price, \$32.00.

Iron Age Horizontal Barrel Sprayer No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pound pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used. Price, \$40.00 without hose; 1901 with one lead of hose 15 ft. \$44.00.

Iron Age Strainer Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble. Each \$1.50.

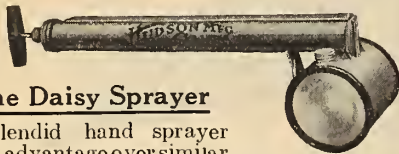
Sunshine Double Action Spray Pump



A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

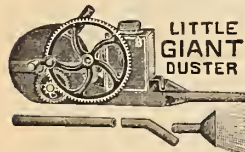
By using an extension rod the tops of highest trees can be reached.

Pump complete with agitator, suction pipe, brass strainer and two leads 1/2 inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles. Price, \$19.50.



The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each, \$1.00.



LITTLE GIANT DUSTER

Little Giant

The best dry powder gun; will distribute any dry insecticides. Will do as much work in a day as a horse-power sprayer. Price, \$11.50.

Duster, Lowell

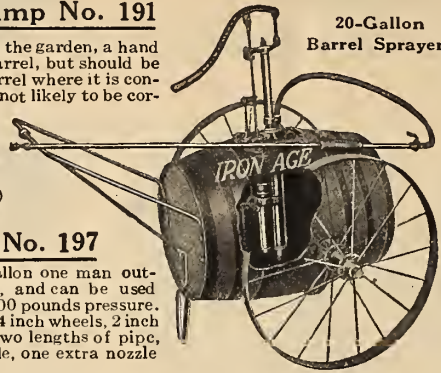


Handy for dusting any powder. Operated same as hand sprayer. Each, 95c.

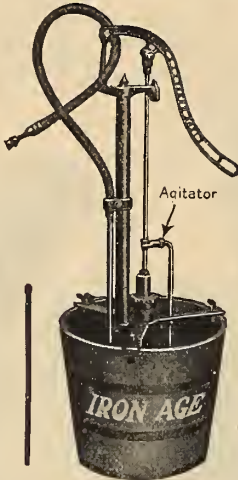
Powder Gun, Cyclone



Small size, 20c. Jumbo size, 45c. Postage, extra, each, 5c.



20-Gallon Barrel Sprayer



Iron Age Bucket Sprayer

No. 195 is the complete Bucket Sprayer with special bucket in place of the foot-piece. An automatic agitator keeps the solution thoroughly stirred. Easily carried in one hand by the pump cross piece or by the lever at the top.

Equipment - 33 inches of hose, two-foot steel pipe extension with adjustable hand grip and "Iron Age" nozzle are included with each No. 195. With the pipe extension you can stand away from your work - also reach higher bushes, small trees, buildings, etc. Price, \$15.00.

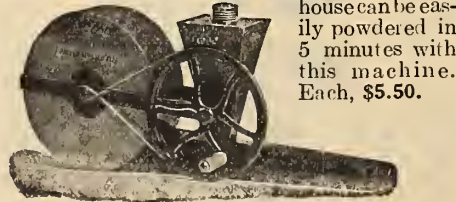
Bink's Spray

A medium price sprayer constructed of best material and will do good work. Equipped with 3 ft. discharge hose, shut-off cocks, Star spray nozzle and shoulder strap. Works with compressed air. Price, \$8.75.



Peerless Blower

The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses.



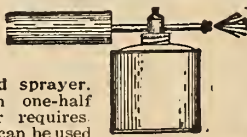
A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, \$5.50.

Powder Bellows. Acme.

For dusting with sulphur or like material. One size, each, \$1.50.

Pneumatic Sprayer

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank \$1.25; Brass Tank, each \$2.00.



The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, 95c.

Success Whitewash Pump and Spray

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, \$7.50, without bucket.

The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, \$6.00, with Auto Pop, \$6.50; solid brass reservoir, \$9.00, with AutoPop, \$9.50. Extension rods, 2 ft. lengths, 50c. Two-row attachments, \$1.50.



Perfection Sprayer

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insecticides, etc. Galvanized steel, \$6.50; all Brass, \$9.50.



Fulmigators. Eureka (Galvanized)

- No. 1 1/2 pk. of stems... \$3.00
- No. 2 1 pk. of stems... 4.35
- No. 3 1 1/2 bu. of stems... 5.25
- No. 4 3/4 bu. of stems... 7.50

See page 113 for insecticide nozzles.

AutoSpray

No. 40D

12-gal. machine being equipped with a truck, this pump will generate from 150 to 170 pounds pressure to the square inch. Equipment 8 ft. 3/8 in. high pressure hose and 2 ft. 8 in. iron extension pipe lever shut-off and latest pattern screen nozzle. Price, \$30.00.



While we endeavor at all times to maintain the prices quoted on supplies, the market conditions are such that changes may occur without notice. Write us for prices on quantities.

INSECT DESTROYERS,

DEMAND INCREASING
SECURE YOUR SUPPLY

Prices on all insecticides are subject to change as season advances. Chemical market unsteady.

BLACK LEAF 40, is a solution of Nicotine Sulphate.

It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; ½ lb. can, \$1.25, makes 40 to 100 gallons; 2-lb. can, \$3.75, makes 200 to 500 gallons; 10-lb. can, \$15.50, makes 840 to 2100 gallons.



LIME SULPHUR. (Solution.) The best remedy for

San Jose scale. One gallon makes twelve. Also one of the best summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Per qt. can, 45c; 1 gal., \$1.00; 5-gal. can, \$4.00.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York). Per box 35c; by mail 40c; smaller size 20c.

APHIS PUNK. Special preparation of nicotine for killing insects.

Per pkg., 12 sheets, 80c; 1 case, 12 pkgs., \$9.00.

APHINE. 1 pt., 65c; 1 qt., \$1.00; 1 gal., \$3.00

CALCIUM ARSENATE. (Dry.) For dusting and spraying. A

new arsenical poison for chewing insects, especially potato beetles. Harmless to foliage, not easily washed off. Lb., 50c; 5-lbs., \$2.25; 10 lbs., \$4.00.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing

and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 5 lbs., \$1.75; 25-lb. kegs. \$6.50.

CARBON DISULPHIDE. For ants and cut worms.

1 lb., 50c; ¼ lb., 20c.

ENOZ KILLS MOTHS. Enoz Moth Liquid is applied by spraying

garments, furs, upholstery, rugs, carpets, robes, blankets, etc. A thorough application permits a fine misty vapor to penetrate all parts of garments. Enoz will not stain or injure delicate fabrics or textiles, furs, rugs or any material subject to moth attack. This compound is in universal use by the housewife and the merchant to protect their valuable clothing and stock. Do not try to smell the moth away. Do not be bound to inefficient repellants. Enoz kills moths, the worm and destroys the eggs. Pint, \$1.00; quart, \$1.65; gal., \$4.25.

FISH-OIL SOAP. Standard wash for trees and plants where

insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

FLOWERS OF SULPHUR. Lb., 12c; 10 lbs., \$1.00; 50 lbs., \$3.75;

100 lbs., \$6.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases,

for greenhouse and outdoor use. Pint, 65c; 1 qt., \$1.25; gal., \$3.00.

GRAPE DUST. Excellent for the prevention and destruction of

mildew on plants. Per lb., 30c; 5 lbs., 95c; 10 lbs., \$1.80.

HELLEBORE POWDERED, White. Less poisonous than Paris

Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00.

KEROSENE EMULSION. One of the best insecticides for all soft-

bodied sucking insects feeding openly, so as to be within reach of actual contact, such as plant lice, flea beetles, aphids, green fly, mealy bug; also for insects on fruit trees, including San Jose scale. Per 1-quart can, 50c; 1 gal., \$1.25; 5-gallon can, \$5.00.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt.,

35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

MELROSINE. Is certain death to Rose bugs. One pint will

make three gallons of spray solution. Pint, \$1.00; quart, \$1.75; half gal., \$3.25; gal., \$6.00.

NICO-FUME LIQUID. For fumigating or spraying, contains 40 per

cent. nicotine. ¼ lb., 75c; 1lb., \$2.35; 4 lbs., \$8.50; 8 lbs., \$16.50.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of

Paper strongly saturated with Nicotine. These, when suspended and lighted, make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.35; 144 sheets, \$6.00; 288 sheets, \$11.00.

ARSENATE OF LEAD (Paste). The latest and best known insecticide for all leaf eating insects. It adheres to the foliage for weeks, thus doing away with repeated sprayings. There is absolutely no danger of burning or scorching the leaves. Lb., 40c; 5 lbs., \$1.75; 10 lbs., \$2.75; 25 lbs., \$5.75; 50 lbs., \$10.00; 100 lbs., \$18.00.

ARSENATE OF LEAD. (Dry.) For dusting and spraying. Solves

the problem of controlling practically all leaf-eating insects in a particularly efficient manner. 1 lb., 60c; 5 lbs., \$2.65; 10 lbs., \$4.50; 25 lbs., \$8.50; 50 lbs., \$15.50; 100 lbs., \$30.00.

PYROX. Kills all leaf-eating insects, destroys

fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$5.75; 50 lbs., \$10.00; 100 lbs., \$18.00.



NIKOTEEN. Use same as Nicotidene. ½ pt.,

\$1.10; pt., \$2.00; 3 pts., \$5.75. Per original case 10 pts., \$18.00.

PARIS GREEN. A poisonous insecticide in powder form, for

insects which chew. When applied as a powder, use one part Paris Green to 100 parts plaster or flour. As a liquid, one pound of Paris Green in 150 to 300 gallons water; if used on fruit trees add one pound quick-lime. Changes with market. ½ lb., 35c; per lb., 65c; 5 lbs., \$2.75; 14 lbs., \$6.50.

SCALECIDE. An oil preparation for San

Jose scale. Use 1 gal. to 15 gals water. Qt., 60c; gal., \$1.45; 5 gals., \$6.45; 10 gals., \$11.00.

SLUG SHOT, Hammond's. Guaranteed

to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb. 20c; 5 lb. package, 60c; 25 to 50 lbs., at 10½c per lb. Per keg 125 lbs., \$12.00; barrel, 250 lbs. in bulk, \$23.00



SLUG SHOT Duster. ½ gal. size, 60c.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dan-

delions without injuring grass. Liquid should be applied with a fine spray. Full particulars on application. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25.

SULPHO-TOBACCO SOAP. One of the best remedies for green

fly on roses. Per ½-lb. box, 25c by mail. 30c. 3-oz. package, each, 15c; by mail, 20c.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip,

codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 75c; qt., \$1.10; gal., \$3.25.

TOBACCO DUST, (Regular Grade). 5 lbs., 30c; 10 lbs.,

55c; 100 lbs., \$4.00.

TOBACCO STEMS. These prices subject to change without

notice, on account of the uncertain supply. Price, 100 lbs., \$2.25; 500 lbs., \$9.00; 1000 lbs., \$17.50.

TO-BAK-INE. High strength Nicotine preparation 1 pt., \$2.35;

½ gal., \$8.50; 1 gal., \$16.50.

TREE TANGLEFOOT. Perfect safe-

guard for trees. Lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.25.

VERMINE. For eel, cut worms and wire

worms, working in the soil. It can be applied to all vegetation. Gal. \$3.00; quart, \$1.00.

WORM ERADICATOR. Electric des-

troyer of worms of every kind at the roots of Trees, Shrubs, Flowers, Grape Vines, Vegetables, etc. Brings worms to surface and rids Golf Grounds of worms without discoloring grass. Use 1 or 2 ounces to 1 gal. of water. 8 oz., 50c; 24 oz., \$1.00. 1 gal., \$4.00; 5 gals., \$17.50.



Tree Tanglefoot

X. L. ALL-LIQUID INSECTICIDE. English preparation, purely

nicotine. A spray for white fly, mealy bug, red spider, etc. Price, ½ gal., \$3.25; 1 gal., \$6.00.



Double and Single Wheel Hoes

IRON AGE

HILL and DRILL Seeders
Sold to do One or Both Operations.

Write for 1922 Booklet

We are Special Agents for IRON AGE Tools

THE Day of the Garden is here. There is fascination, pleasure and profit in the right kind of a garden. The great drudgery of the old-time garden of spading, raking and hoeing has by the introduction of modern garden tools been largely minimized. With the Wheel Hoes, the gardener, amateur or professional, large or small, can work over this garden ten times with the same labor required before for a "once over"; he can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. With the hand seed drills the modern cultivator saves seed and the labor of thinning, for the machine plants so accurately that each seed is dropped exactly where wanted, in continuous rows or in hills. It is not only in the labor saving alone that these tools are valuable, but their use also helps produce better crops than possible by the old method. Fertilizer attachments are made which drill in this plant food where wanted without the awful loss of hand-scattering. A woman, boy or girl can easily operate any "Iron Age."



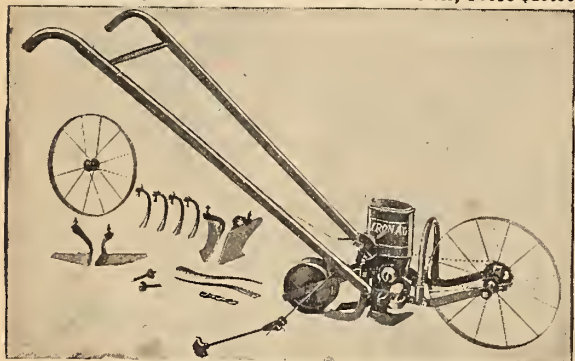
More than 30 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete, adaptable tools—the kind you don't want to part with after you have once used them and know what they will do. Read various numbers and prices carefully, order accordingly.

Midget Seeder With Handle
is the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the cover swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 1/2-foot handle. Full directions attached to every Seeder. Price, \$4.50.

No. 306 Combined Double-Single Wheel Hoe, HILL and DRILL Seeder

Four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each Tool complete and the equal of any tools on the market. The cut below shows No. 306 set up as a seeder (but with all parts in the picture)—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills and quickly changeable.

No. 306 complete with all attachments shown, Price \$19.00.



No. 304 Combined Double and Single Wheel Hoe and DRILL Seeder
Like 306 but is a "Drill" seeder only and with different plow.
Price \$18.50

No. 314 A No. 306 Combined Side Hoes and Teeth Only. Price \$17.75.

No. 315 Combined Single Wheel Hoe HILL and DRILL Seeder

Will accomplish about all the work of the No. 306 except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 306. In its Seeder form sows either way, in drills or hills. Has strong malleable iron frame, the 16 in. wheel and is simply and easily changed and adjusted.

No. 315. Price, Complete, \$15.50.
No. 316. The HILL and DRILL Seeder. Price \$13.75.

No. 315 Price Complete \$15.50

No. 3018 B Price \$15.50 Special Pattern For Planting Seed for Big Onions And Sets



No. 318 DRILL Seeder only Price \$13.25

No. 12 Wheel Plow and Cultivator

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. This is sufficiently low-priced to be within the reach of any small garden owner. A great labor saver. Price, No. 12, \$6.00.

No. 12 Price \$6.00



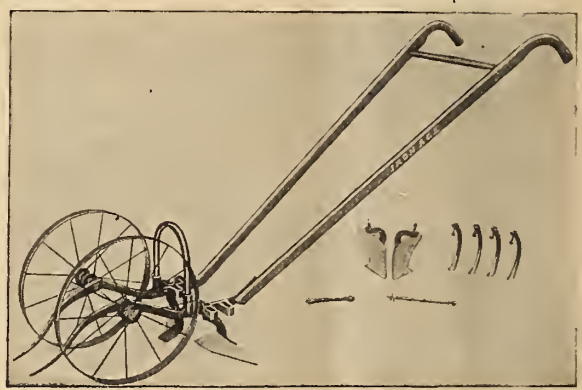
No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only. Price \$4.50.

No. 301 Combined Double and Single Wheel Hoe

This is the Wheel Hoe form of the No. 306. Can be made into Single Wheel Hoe in one minute. Cultivates astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The high wheels make it an easy-running machine. Includes (for \$11.75) all parts shown in cut below. No. 301R. Includes pair rakes besides all other parts. Price, \$12.50.

No. 301 Price \$11.75

Wheel Hoe with only the hoes order No. 303, Price, \$8.00



No. 320 Single Wheel Hoe

The Wheel Hoe form of No. 315. Tools include side hoes, cultivator teeth, and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. No. 320, Price \$8.00. Same tool with rakes is No. 320R. Price, \$9.00.

When wanted plain, with side hoes only. Order No. 321, Price, \$6.00.



No. 308 HILL and DRILL Seeder Extra Large

An extra large capacity drill for market gardeners, etc. Wheel 16 ins. high with 1 1/4 in. tires—runs easily over soft ground. The hopper contains 3 quarts—enough for a round with long rows. Will sow the same seeds as No. 306. The adjustment for the quantity of seed is also the same.

The marker is adjustable for widths from 6 to 20 inches. The seed sowing is always in full view. Opening plow may be adjusted to sow at correct depth.

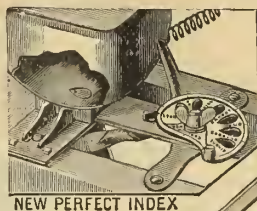
No. 308 Price, complete, \$16.00



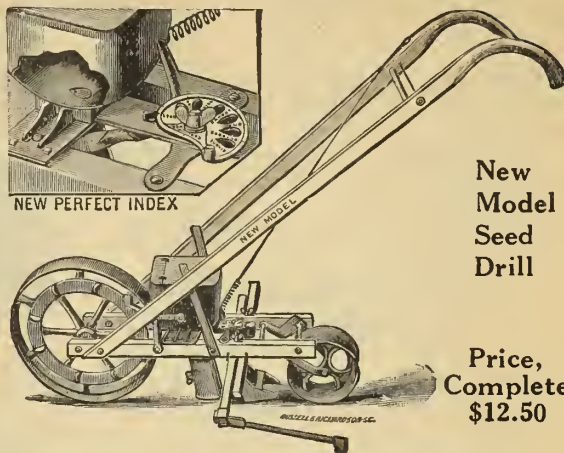
PROMPT DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make **QUICK SPECIAL DELIVERY** of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

**IRON AGE
FARM AND
GARDEN
IMPLEMENTS**



NEW PERFECT INDEX



New Model Seed Drill

Price, Complete \$12.50

New Model Seed Drill

Popular with seedsmen and market gardeners.

Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

No. 19C Wheel Plow and Cultivator



Price No. 19C \$5.25

A popular tool of great strength. This tool will do plowing in light soils, and will open furrows for seed or fertilizer. Cannot be excelled as a one-wheel cultivator. Has two sizes of single teeth for work in narrow rows, scuffle hoe, set of three teeth on a bracket and a landside plow.

Landside fitted on the plow acts as a guide, absolutely necessary if you expect to make a clean cut furrow, to stay in the ground and do a real job. The 24-inch wheel travels over rough ground easily. Has long hardwood handles adjustable for height, with full plow-shaped grips.

No. 322 Fertilizer Distributor, Hill and Drill Seeder Combined

Price Complete, \$27.50



Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed—no stoppage from small lumps. Covers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 306 and 315.

Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

"Gem" Single Wheel Hoe

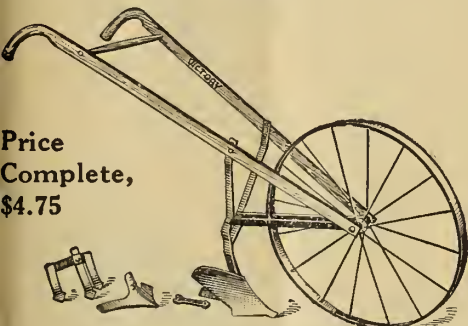
A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of pair of plows which can be used separately or together.



A light easy-running Useful Machine

Price Complete, \$7.50

Victory Wheel Plow and Cultivator

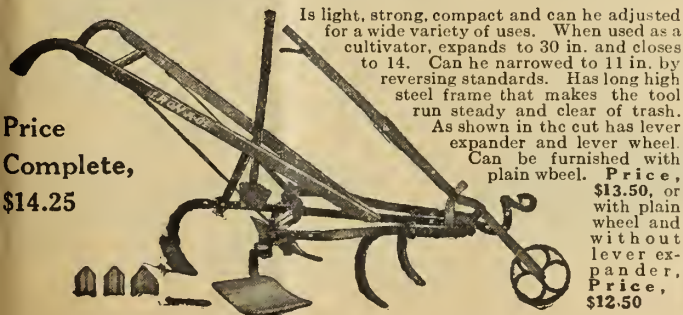


Price Complete, \$4.75

Well put together. Steel construction throughout except handles, which are made of strong oak or ash. 24-inch wheel, rides easily over rough ground. Tools furnished consist of a set of three cultivator teeth on a bracket, a scuffle hoe and a landside plow. Has hardwood handles with plow-shaped grips.

Victory Wheel Plow and Cultivator, \$4.75

No. 600EL Horse Hoe and Cultivator



Price Complete, \$14.25

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel. Price, \$13.50, or with plain wheel and without lever expander, Price, \$12.50

No. 1014EP Combined Harrow and Cultivator

Price Complete \$11.75



An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel Price, \$11.00.

Corn Planter—Hand

"The Eagle." This is a rotary planter, having three different sized plates which can be easily changed. Each, \$3.00.

Cahoon Seeder



It will seed evenly four to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5 1/2 lbs. Price, \$5.25.



The Most Popular Quality Hand Tools

	Each		Each
Garden Hoe.....	\$1.15	Dibber for transplanting.....	\$0.75
12-Tooth Steel Rake.....	.70	Combination Hand Weeder.....	.40
Garden Spade.....	1.65	Excelsior Hand Weeder.....	.15
Spading Fork, 4-tine.....	1.35	Sheep Shears for cutting grass around trees and houses.....	.50
Garden Line for laying out rows.	1.00	Garden Shovel.....	2.25
Vaughan Trowel.....	1.00		
Ordinary Garden Trowel.....	.15		

LAWN MOWERS
LAWN ROLLERS
LAWN TRIMMERS

WE SUPPLY EVERYTHING

The Genuine Philadelphia Lawn Mowers

FOR HALF A CENTURY

THE STANDARD
OF QUALITY

THE genuine Philadelphia Lawn Mowers are the recognized standard for high-class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. The knives are made of vanadium crucible steel, and do not require constant sharpening. The bearings are easier running than ball-bearings, and do not become clogged with dirt. A lawn mower of this quality for home use, will be the best labor-saving device one could invest in—always sharp, easy running and going for years without the need of repair. We list the three highest grade machines made by the Philadelphia company. Write for catalog.

Style A. High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side.

15 in.	17 in.	19 in.	21 in.
\$22.00	\$25.00	\$28.00	\$30.00

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
\$17.50	\$19.50	\$21.50	\$23.50

Graham. Named for the president of the Philadelphia company. The finest lawn mower made. All steel cylinder, 4 blades. Driving wheels 10 inches. Train of gears for easy running on both sides. Bearings absolutely accurate. Wheels, gears and cylinders can be removed without disturbing other adjustments.

17 in.	19 in.
\$27.50	\$30.00

Philadelphia Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. 14 and 15-inch, \$2.75; 16 and 17-inch, \$2.85; 18 and 19-inch, \$3.15; 20 and 21-inch, \$3.25.

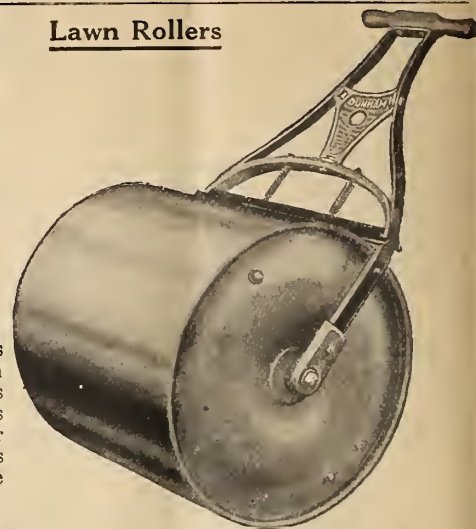
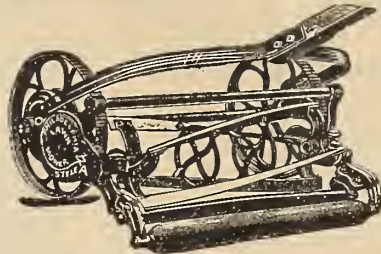
Easy Emptying Grass Catchers

Easily adjusted to any lawn mower. Its strong features are a handle which gives a balanced grip and enables catcher to be readily lifted off, carried, emptied and quickly set on the mower again. A non-slipping bottom, which prevents the grass from slipping forward while mowing. Round backs, so operator will not strike his toes on square corners.



Style 1G, for mower 12 to 18 inches, long wood handle.....\$2.25
Style 2G, for mower 16 to 22 inches, long wood handle..... 2.50
Style 23B, for mower 12 to 18 inches (square back), attached to mower by brackets..... 1.50
Style 21G, for mower 18 to 22 inches (square back), attached to mower by brackets..... 1.65

Lawn Rollers



Genuine Dunham Water Weight Rollers

Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, positively non-rust shut water entrance. The most efficient and easiest running roller that is made.

No.	Diam. in.	Length in.	Sec. tions	Wt., empty	Filled water	Price
1420.....	14	20	1	65	200	\$17.00
1824.....	18	24	1	80	310	21.00
2424.....	24	24	1	115	500	24.00

Eagle Phila. Horse Lawn Mower



The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs.; 40 inch, 610 lbs. Price (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York: 35-inch cut, \$150.00; 40-inch cut, \$175.00.

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

Philadelphia Eagle Motor Mower

Walking type, cut 30 inches, weighs 900 lbs., 4 h. p. engine. **Riding type,** cut 40 inches, 8 h. p. double cylinder engine. Both types have corrugated rollers, with ends closed and differential gears. Can change to Lawn Roller in less than one minute. Can take out cylinder without disturbing frame of machine. Steel and malleable iron used for parts subject to extra strain. Only Flexible frame motor mower made. Adapts itself to uneven ground less subject to breakage. A Motor Mower for use by the average man. Trims large lawns better and at less cost than horse power. Price f. o. b. Philadelphia, Pa. Walking Type, \$660.00; Riding Type, \$1,200.00. Can make prompt deliveries at this time.

THE RICHMOND SOD CUTTER



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. Price, \$33.00.

The Ideal Tractor Lawn Mower

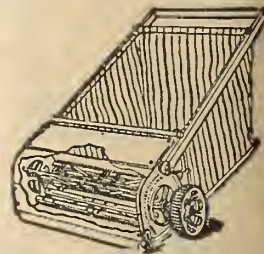
The machine has few parts and is as near "fool proof" as is possible to make. Anyone who can keep a gasoline motor supplied with gasoline and oil can operate an Ideal Power Mower. The cutter is pulled instead of driven direct, the same principle as the ordinary hand mower. This saves the breakage which was the cause of many power lawn mower failures. Motor is sturdy, dependable slow speed single cylinder, dry cell ignition, built with as few parts as possible. One lever operates it. Five-blade cutter, 30 in. wide. Speed 2 3/4 miles per hour. Actual weight 735 pounds. Write for booklet. Prices: Ideal Tractor Mower one cutting mower, \$370.00; with riding tractor, \$395.00; extra for one cutting mower, \$60.00; extra for putting green mower, \$60.00. F. O. B. factory, Lansing, Mich.

Ideal Junior 21-in. Power Lawn Mower

Ideal Junior Power Mower with one cutting mower.....\$255.00
Extra for one cutting mower..... 35.00
Extra for one 18-inch putting green mower..... 50.00
F. O. B. cars, Lansing, Michigan

GEM LAWN SWEEPER

This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. Price, 24-inch wide, each, \$30.00.



Philadelphia Lawn Trimmer

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each, \$7.00, complete.

FOR THE LAWN, Etc.

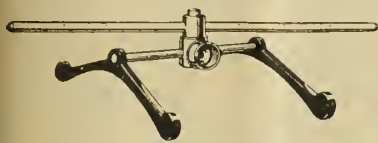
**HOSE, REELS,
SPRINKLERS, RAKES,
EDGERS, ETC.**

ELECTRIC NON-KINKABLE HOSE



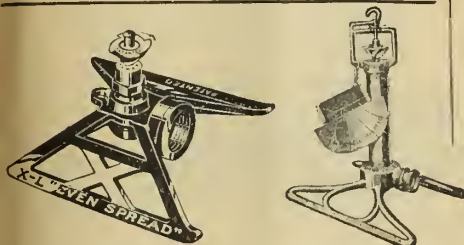
Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with snap hose couplings if advised when ordering. Price, $\frac{3}{4}$ -inch or $\frac{1}{2}$ -inch, per 25 feet, \$5.50; 50 feet, \$10.50; 100 feet, \$20.00.

RAINBOW BRASS LAWN SPRINKLER



Low or high pressure. World's best rain insurance. Does not stick or rust. The water descends in small particles like mist and rain combined over an area of 40 to 50 feet, watering every inch of ground. Instantly set in motion with low water pressure. The Rainbow Sprinkler is supported on a brass sled, which may be easily drawn over the lawn. The Rainbow Lawn Sprinkler works perfectly from artesian well or tank pressure. Each, \$2.75.

XL. No. 4 EVEN-SPREAD SPRINKLER



XL. No. 4 Even-Spread Sprinkler 5 in 1—Can be used five different ways
Made substantial and sturdy, red enamel base. Head made of hard white anti-friction metal. Very simple and nothing can get out of order. Its efficiency and low price makes it very popular.
No. 4. Price, each, \$1.00; 3 for \$2.75.
No. 5 in 1. Price, each, \$2.50; 3 for \$7.00.

LINCOLN PARK OR BUTTERFLY

Cheapest and best Sprinkler made. Each, 40c.
Mounted on stand: 2-foot, \$1.00, 4-foot, \$1.10; 6-foot, \$1.20.



THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray makes it especially desirable for new lawns and flower gardens. Its location may be changed while under full working head, with perfect ease, by the aid of a wire or cord. Weight, 2 lbs. Each, 75c.



CYCLONE SPRINKLER

Three-Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. Each, \$2.25; 3 for \$6.50.

AUSTRALIAN SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly. Mounted on stand, 2-foot, \$1.00, 4-foot, \$1.10; 6-foot, \$1.20; 8-foot, \$1.35.

THE "SNAP" HOSE COUPLER

Best coupler, simple, durable, always tight, for $\frac{3}{4}$ -inch hose. Per pair, 45c.
HOSE COUPLER, Brass, for $\frac{1}{2}$ or $\frac{3}{4}$ -inch hose. Each, 25c; doz., \$2.50.
Hose Clamps, Bull Dog. Each, 8c; doz., 75c, Ppd.
Hose Straps, Caldwell. Used in fastening coupler on hose. Each, 5c; doz., 35c. Pliers for same, 35c.

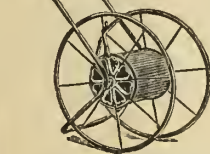
PERFECT CLINCHING COUPLER

$\frac{3}{4}$ -inch, per pair, 35c.
Perfect Clinching Hose Mender
A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose $\frac{3}{4}$ -inch, each, 15c; doz., \$1.35.



HOSE REEL — ALL IRON

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.
No. 10 for 100 ft. $\frac{3}{4}$ -in. hose.....\$5.00
No. 20 for 150 ft. $\frac{3}{4}$ -in. hose.....6.00



THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. $\frac{1}{2}$ or $\frac{3}{4}$ -inch, each, 10c; doz., \$1.00; 1-inch each, 12c; doz., \$1.25, postage, 5c doz. extra.
Iron Mender, for $\frac{3}{4}$ -inch hose. Each, 8c; doz., 80c.
HOSE WASHERS, $\frac{3}{4}$ -inch, per doz., 5c; gross, 50c.



LAWN RAKES

Automatic Self Cleaning
A backward motion of the operator clears all the teeth at once. Each, \$1.35.

Lawn Queen. Wire teeth, reversible head; 24 teeth. Each, 90c; 36 teeth, \$1.25.

Gem Dandelion Rake. Will keep dandelions off your lawn. Fine blade-like steel teeth. Easy working, self-cleaning stripper. Greatly improves the appearance of lawn. Cannot tear or injure the sod.

Large Size \$3.50
Medium Size \$2.50

HORSE LAWN BOOT

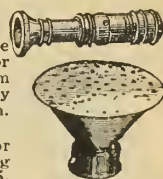
Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.
No. 2 for No. 2 horse shoe $5\frac{1}{2}$ in. inside measure.
No. 4 for No. 4 horse shoe $6\frac{1}{2}$ in. inside measure.
No. 6 for No. 6 horse shoe 7 in. inside measure.
Price, per set of four, \$14.00.

TURF EDGER
American.....Each, \$1.10



HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for $\frac{3}{4}$ -inch hose. Each, \$1.00; by mail, \$1.10.
Boston Rose Spray. Brass; for $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.35. by mail, \$1.45.

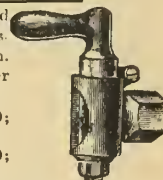


"Chicago"
Covers more space than any other hand-watering device. Made entirely of aluminum, except removable perforated plate of heavy sheet brass. 2 plates, each $3\frac{3}{4}$ in. in diameter, about 100 very fine holes in each, giving both fine and coarse effective sprays. Florists like it. Price, \$2.75.



INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit $\frac{1}{2}$ -inch pipe connection. If wanted to fit $\frac{3}{4}$ -inch hose, order reducer, 45c extra.
Bordeaux Nozzle. Each, \$1.00; by mail, \$1.05.
Vermorel Nozzle. Each, \$1.00; by mail, \$1.05.



BAMBOO EXTENSION ROD

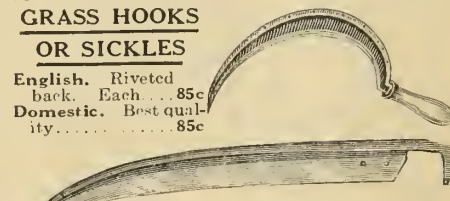
Lined with aluminum. Eight feet long, with stop cock. Each, \$5.50.

WEED KILLER

Herbicide. For use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water.
 $\frac{1}{2}$ -gal. \$1.00 1-gal. \$1.75 5-gal. \$7.50

GRASS HOOKS OR SICKLES

English. Riveted back. Each, 85c
Domestic. Best quality. 85c



SCYTHE BLADES

English, riveted back, 30-inch, \$3.00; 36-inch, \$3.50; Scythe Snath, each, \$1.50.
Scythe Stone. Natural. 15c each.

SHEARS

Border—For trimming the edges of borders and walks. 9-inch, \$4.75.
Sheep—With thumb guard. For trimming grass on edges and around flower beds. Each, 50c.
Sheep—Best quality steel, 6-inch blade, \$1.50.



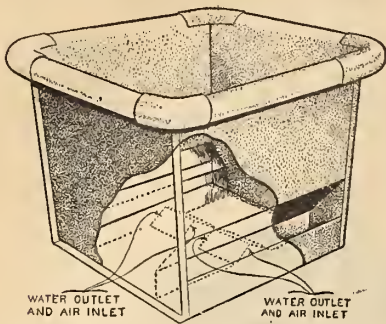
IDEAL LAWN EDGER

For trimming around edges of lawns and walks. A remarkable tool for any lawn. Adjustable to any grade, and will run close to the walk. Keep knife sharp. Do not use on soaking or wet ground. Each, \$3.25



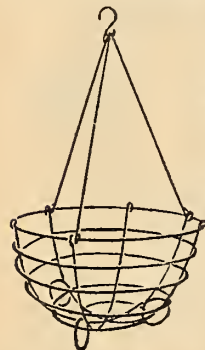
Owing to the fluctuations of the market, prices are subject to change without notice.

SUCCESS SELF-WATERING HANGING BASKETS



Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. A water pocket extends the full length of basket, from which tube leads into the basket itself. Finished in an attractive shade of green. "Never leak a drop" may be hung on chains or set on small table. Prices do not include chains.

No. 7	7 1/4 in.	10 in.	\$2.25	No. 14	14 in.	14 in.	\$3.00
12	8 1/4 in.	12 in.	2.50				



BASKETS—Wire, Hanging. Each, 6-in., 20c; 8-in., 25c; 10-in., 30c; 12-in., 35c. 14 in., 45c; 16 in., 65c.

Earthenware Hanging.—Terra Cotta. Without hanging wire.

	Each	Doz.
7 in.	\$0.40	\$4.00
8 in.	.50	5.00
9 in.	.60	6.00
10 in.	.80	8.00
12 in.	1.15	12.00

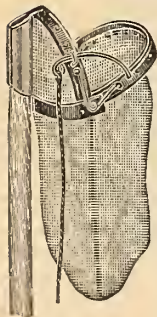
BOXES—Cut Flower.—Vaughan's "Green" Grade green lined, moisture-proof board. Very popular.

Size inches	Weight per 100	Per 100	Size inches	Weight per 100	Per 100
3 x 18x5	40 lb.	\$ 5.00	3 1/2 x 30x5	75 lb.	\$ 7.50
3 x 21x5	45 lb.	5.50	4 x 24x8	85 lb.	8.50
3 1/2 x 24x5	60 lb.	6.25	5 x 28x8	105 lb.	10.00
3 1/2 x 21x7	65 lb.	7.25	5 x 36x8	135 lb.	14.00
6 x 40x10	170 lb.	18.50			

The Little Wonder No-Drip Hanging Basket

A self-watering basket which gives the plants plenty of air and perfect drainage, thus promoting the greatest possible growth. The patented irrigator and no-drip feature of this basket make it an ideal basket for either porch or inside use.

Price, 5-inch	Each	\$0.90
6-inch	1.00	
7-inch	1.25	
9-inch	1.75	
14-inch	2.50	

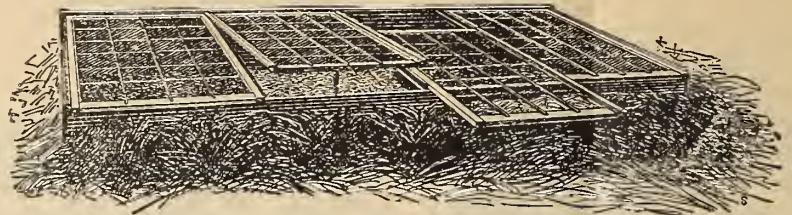


FRUIT PICKER.—Master Fruit Picker is built with a stout canvas bag hung on a strong metal frame with a mouth or lip operated by a line from below. Reaches all branches, high or low, works quickly, keeps fruit from getting bruised, does away with ladders.

Each.....\$1.50

DANDELION KILLER.—Ideal. A tube 1 1/2 in. diameter, 30 in. long, holds one quart gasoline, which is dropped into dandelions. Each, \$1.25.

VAUGHAN'S GARDEN



HOTBED SASH

HOTBED SASH—Made of the very finest material. Unglazed are not painted. Glazed, painted one coat. Single strength glass. Add 95c. per sash for double strength.

Size, 3x6 ft., holds 3 rows 10-inch glass. Unglazed, each, \$2.75; 3 for \$7.90; doz., \$30.00. Glazed, single strength glass, each, \$7.30; 3 for \$21.50; doz., \$83.00.

Size, 3x8 in. x 6 ft., holds 4 rows 8-inch glass. Unglazed, each, \$3.15; 3 for \$9.25; doz., \$35.00. Glazed, each, \$7.75; 3 for \$22.75; doz., \$86.00. Sash with double lights, making air cushion between for warmth.

Size, 3x6 ft., 3 rows 10-inch glass, Glazed, single strength (for double strength add \$1.90 per sash). Each, \$12.25; 3 for \$35.75; 6 for \$69.50. Prices include Crating. F. O. B. Chicago. Prices subject to change without notice.

RED DEVIL GLASS CUTTER. Each, 25c.

GLASS CUTTER DIAMOND. Each, \$5.00

GLAZING POINTS.—Vaughan's Perfection No rights or lefts; No. 2, small, for single thick glass; No. 2 1/2, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c. **Siebert's Improved.**—Easy to drive, and will not wedge or crack glass, 2 sizes, 1/2 and 3/8-inch long. Price per lb., 70c.

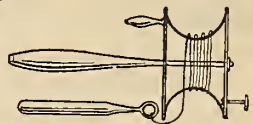


GARDEN LINE REEL.—Each, \$1.10; (weight 2 lbs.)

GARDEN LINE. Each heavy braided. Per 100 feet, \$1.00; by mail, \$1.10.

GRAFTING WAX.—Per 1/4 lb. bar, 15c; 1/2 lb. bar, 25c; 1 lb. bar, 45c.

GLOVES.—Gardener's. Per pair, \$1.75.



HOES



Draw or Field. Socket handle. Each, \$1.15.

Combination Draw and Rake. 4 1/2-inch cut and 4 teeth. Each, \$1.10; 6 1/2-inch cut and 6 teeth, \$1.20.



English Scuffle or Push. 6-inch, \$1.35; 8-in., \$1.50.



Prong Hoe or Potato Hook. Five round tines; a handy tool for loosening the soil and digging potatoes. Each.....\$1.35



Warren. 7 in. cast steel, polished blade; best Garden Hoe made. Each, \$1.25.

KNIVES



KNIVES.—Asparagus. Straight Cut. Each, 45c; by mail, 50c.

Asparagus. Concave. Each, 55c; by mail, 60c.

Asparagus. Fishtail. Each, 50c; by mail, 55c.

Budding. Ivory handle. Each, \$2.75; by mail, \$2.80.

Budding Knife. Imported, 2 blades. Stag handle. Each, \$2.00; by mail, \$2.10.

Propagating. Ivory handle. Each, \$2.75; by mail, \$2.80.

Propagating. "The Vaughan," best of all. Each, \$1.25; by mail \$1.30.

Pruning. Stag handle, English. Each, \$2.00; by mail, \$2.05.

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, 35c; 3 for \$1.00.



HOT BED MATS AND PLANT BED CLOTH



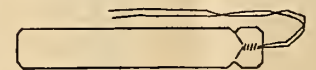
Burlap Mats, lined, waste wool and cotton quilted. Size A, 40x76 in., \$2.50 each; per doz., \$24.00. Size B, 76x76 in., \$3.50

each; per doz., \$36.00.

PLANT BED CLOTH. For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 23c; heavy, 30c; 60 to 100 yds., medium, per yd., 21c; heavy, 28c; not less than 20 yds. of a kind sold.

LABELS.—Zinc Tree. Wired 3 1/4 inches long, 3/4 inch wide. Price per dozen, 25c; 100, \$1.60.

Wooden. For pots, painted. 100 1000 100 1000
4-in. \$0.30 \$1.75 6-in. \$0.45 \$2.90
5-in.35 2.25 12-in. 1.15 12.00
Tree, Copper Wired. 3 1/2 in. 100, 45c; 1000, \$2.90.

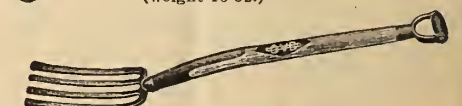


Copper. Indestructible. Small, 25c doz.; 100, \$1.60; large, 35c doz.; 100 for \$2.25.

Cypress.—For use outside, will last for years, 16x1 1/4 in. Doz., 60c; 100 for \$4.00; 18x2 in., doz., 75c; 100 for \$5.00.

Iron Age.—Galvanized iron. The reading is protected by a sheet of mica. Each, 22c; doz., \$2.40; 100 for, \$17.50.

DIBBER. For transplanting vegetable plants; steel point. Each, 75c; (weight 10 oz.)



FORK.—Digging or spading, 4 tines. Each, \$1.35. Strap Ferrule

TOOLS and REQUISITES

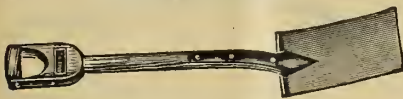
SHEARS—Hedge. Genuine Sheffield, our importation.

- 8-inch, with notch... \$3.00
 - 9-inch, with notch... 3.25
 - 10-inch, with notch... 3.50
- Notch at crutch of blade to cut heavier branches.

SHOVELS—Ames. D handle, round point. Ea. \$2.25
Ames. Long handle, round point. Each... 2.25
Ames. D handle, square edge. Each... 2.25



SPADES—Vaughan's. Special D handle. Ea. \$1.65
Ames. D or long handle. Each... 2.25



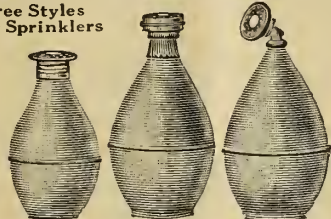
SPRINKLERS—The Lenox.

A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 60c; by mail, 65c.

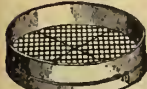


Scollay's Rubber. Best sprayer for plants, ferns and flowers. Large, \$1.50; by mail, \$1.55; medium, \$1.25; by mail, \$1.30.

Three Styles
Scollay Sprinklers



SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from 1/8 to 1/2 inch. Each, \$1.75.



STAKES, WOODEN. Painted green. Very useful for tying many plants.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.	\$1.45	\$ 9.00
4 ft.	1.85	12.00
5 ft.	2.35	15.50

Light Grade (for smaller plants)			
Per doz.	100	Per doz.	100
1 1/2 ft.	\$0.30	\$1.75	3 1/2 ft. \$1.15 \$7.00
2 ft.	.50	3.00	4 ft. 1.40 8.50
2 1/2 ft.	.75	4.25	5 ft. 1.75 11.00
3 ft.	1.00	5.75	Per 100 1000

STAKES—Cane. 6 to 8 feet long... \$2.00 \$10.00

STAKES—Cane. 9 to 11 feet long... 2.50 18.00

Prices on cane Stakes f. o. b. Chicago.

Prices at New York 10 per cent. higher.

STAKES—JAPANESE BAMBOO Green Painted.

100	1000	3 ft.	100	1000
1 1/2 ft.	\$0.75	\$ 5.25	3 1/2 ft.	\$1.35 \$ 9.00
2 ft.	.95	6.25	3 1/2 ft.	1.50 10.00
2 1/2 ft.	1.10	7.50	4 ft.	1.60 11.00

Japanese Bamboo, not painted, 6 ft. 2.00 15.00

STAKES—Galvanized Wire.

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1 1/2 ft.	\$0.20	\$.95	3 1/2 ft.	\$0.40	\$2.15
2 ft.	.25	1.15	4 ft.	.50	2.40
2 1/2 ft.	.30	1.45	5 ft.	.60	2.95
3 ft.	.35	1.75	6 ft.	.65	3.50

Prices wire stakes subject to change without notice.

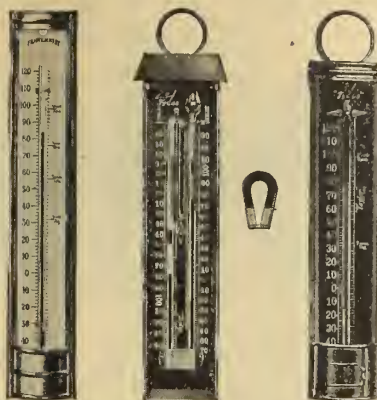
TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York.



No.	Each	Four	No.	Each	Four
1.. 6x 6	\$0.70	\$2.60	9.. 14x13	\$2.00	\$ 7.60
3.. 8x 8	.80	3.00	11.. 16x15	2.50	9.60
5.. 10x 9	1.05	4.00	13.. 18x17	3.25	12.60
7.. 12x11	1.50	5.80	14.. 19x18	4.00	15.60

If handles are required add 30c per tub.
First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

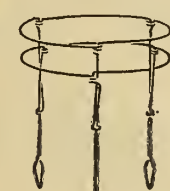


THERMOMETERS. Tin Case, 8-in, 45 c; 10-in. 50c Cabinet. Wood case, 75c; 3 for \$2.00.

Hot Bed. Brass point, wooden frame, \$2.25.

Self Registering. With magnet to set it, 8-inch, each, \$5.50; registers highest and lowest temperature. Minimum for registering cold, \$2.25.

Coppered Tin Case. 8-inch, easy reading, 50c.



TOMATO SUPPORTS—Made of heavy galvanized wire.

F. O. B. New York. Each, 35c; doz., \$3.50.

F. O. B. Chicago. Each, 40c; doz., \$3.75.

TRELLIS—Wood. Fan shape. 18-inch, 50c; 3 for \$1.35. 24-inch, 55c; 3 for \$1.50. 30-inch, 80c; 3 for \$2.25. 36-inch, \$1.25; 3 for \$3.60. 3 1/2 ft., 21 inches wide, \$1.35; 4 ft., 27 in.

wide, \$1.85; 5 feet, 32 inches wide, \$2.25; 6 ft., 38 in. wide, \$2.60; 7 ft., 42 in. wide, \$3.00.

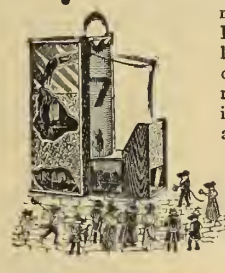


Veranda—18-inch wide, 5 feet, \$2.25; 6-foot, \$2.45; 7-foot, \$2.80, 8-foot, \$3.20, 9-foot, \$3.65; 10-foot, \$3.85

TRAP. "Peerless"

Automatic Mouse and Rat. Resets after each catch. Requires no attention. Let the "Peerless" take care of your rats and mice in a sanitary and humane manner.

Prices, mouse trap, \$3.00; rat trap, \$8.50. Guaranteed



VASE.—Cemetery.

Earthen, green, 10-inch, sharp point, each, 50c.

Fibre. For Cut-Flowers.

Unbreakable. 9 inches deep, 4 1/2 in. diam., each, \$1.50. 10 inches deep, 5 1/2 in. diam., each, \$1.60. 13 inches deep, 8 in., diam., each, \$2.00.

18 in. deep 5 1/2 in. diam., \$2.25.



Green Cemetery Vase.
Fibre Glazed Vine



WATER BARREL, HAND CART, LEAF RACK

(All these are adjustable to same truck).

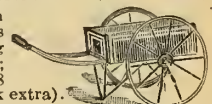


Water Barrel. Can be used for a variety of purposes; barrel can be easily attached or detached from the truck by simply raising or lowering the handles. Barrel with

trunnions for attaching to truck. Price, \$7.50

Sprinkler attachment for barrel \$6.25. (Truck extra)

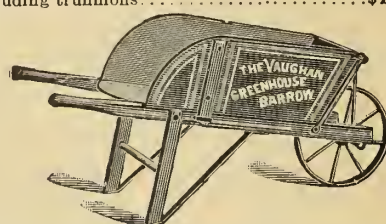
Hand Cart. Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23 1/2 inches; depth, 8 inches. Price \$7.25. (Truck extra)



Leaf Rack. Very convenient for the cartage of leaves, cut grass from the lawn, etc. Rack has an average width of 28 in. by 42 in., and is 21 in. deep.

Price \$14.50. (Truck extra)

Price of Truck, No. 2, steel wheels, 2 1/2 inch tread including trunnions... \$17.00



WHEELBARROWS—Globe Garden. Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Price, with 20-inch steel wheel, \$7.00.

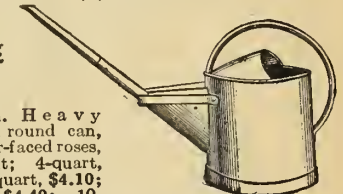
Vaughan's Greenhouse Wheelbarrow. Made of narrow measure, especially for work in greenhouse walks. Each, \$10.00.

Watering

Pots

American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, \$3.75; 6-quart, \$4.10; 8-quart, \$4.40; 10-quart, \$4.75; 12-quart, \$5.10. Spout is cut off in illustration to reduce space.

French Style. Oval, otherwise same make as above. 6-quart, \$4.70; 8-quart, \$5.00; 10-quart, \$5.35; 12-quart, \$6.00.



Eureka Weeder

Combination Weeder



Hazeltine Weeder

Lang's Weeder

WEEDERS—Combination. Each, 40c.

Eureka. Best hand weeder for loosening soil around plants. Short handled, 45c; long handled, 60c; (Mailing weight, 8 oz.)

Excelsior. Each, 15c. (Mailing wt., 4 oz.)

Lang's. We find this by actual trial a real labor saver. Each, 20c. (Mailing weight, 4 oz.)

Hazeltine. Each, 35c. (Mailing weight, 6 oz.)

Norcross Weeder. Mailing 10c extra. Each, 45c.

Piqua. Long handled useful tool, makes weeding easy, no stooping. If by mail, add 25c. Price, \$1.35.



The Wonders Weeder. For Dandelion, Plantain, etc., in lawns. It gets the weeds, fast, clean and deep. It absolutely will not break up the sod. Just two simple movements and your weed is out. No backache, soiled hands or clothing. Each, 70c. If by mail, add 25c.

TROWELS—Vaughan's Steel.

One solid piece of steel and will outwear all others.

Each, \$1.00, 3 for \$2.75. Postpaid, each, \$1.00.

Ordinary Garden. 6-inch, each, 15c, prepaid, 20c.

English Steel. 6-inch, each, 35c; prepaid, 40c.

Transplanting Trowel. Can be used either as a planter, dibber or weed digger, blade being deeply curved. 6-inch, 25c; postpaid, 30c.



MISCELLANEOUS HORTICULTURAL SUPPLIES

BEST MATERIALS FOR GREENHOUSE USE



SCOLLAY'S PUTTY BULB



MASTICA MACHINE

MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, \$2.75.
MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, \$3.00.
PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, \$3.25.
PUTTY BULB. Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight ½ lb.) Each, \$1.50.
PUTTY KNIFE. Each, 35c.

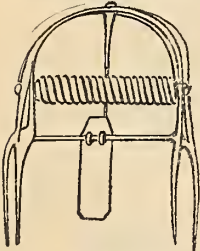
GLAZETITE GLAZING CEMENT. A perfect compound for glazing, re-glazing and repair work on greenhouses and sash. Made from a long fiber asbestos and elastic gums. For glazing purposes it requires about 3 gallons to each thousand feet of glass.

Price, per gal., \$1.75; 5 gals., \$8.50; in 35 and 55-gal. drums, per gal., \$1.60. Glazing gun gratis with each 35 or 55-gal. drum.

MOLE TRAP. Out O' Sight. One of the best mole and gopher traps. Each, \$1.25.

MOSS. Sphagnum. Bur-lapped bales. Ea., \$2.00.

SHEET MOSS. (Green). Freshly gathered; for Windows, Boxes, etc. Per sack, \$2.75.



POTS (Flower)

F. O. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

2 in.	Doz.	100	1000	6 in.	Doz.	100	Each
2½ in.	Doz.	\$0.30	\$1.45	\$11.50	7 in.	Doz.	\$1.10
3 in.	Doz.	.35	1.65	14.50	8 in.	Doz.	1.75
3½ in.	Doz.	.50	2.65	19.00	10 in.	Doz.	2.35
4 in.	Doz.	.65	3.40	.....	12 in.	Doz.	3.50
5 in.	Doz.	.80	6.00	.....	.....	.....	.....

6 in.	Each	Doz.	9 in.	Each	Doz.
7 in.	.....	.20	1.75	10 in.	.....
8 in.	.....	.25	2.35	12 in.	.....

6 in.	Each	Doz.	8 in.	Each	Doz.
7 in.	.....	.20	1.75	10 in.	.....
8 in.	.....	.25	2.35	12 in.	.....

5 in.	Each	Doz.	9 in.	Each	Doz.
6 in.	.....	.43	4.50	10 in.	.....
7 in.	.....	.48	5.00	12 in.	.....
8 in.	.....	.58	5.25	.....	.....

NEPONSSET PAPER POTS.

Made of water-proof paper, light, clean and unbreakable.

2¼ in.	Doz.	100	1000
2½ in.	Doz.	\$0.14	\$0.60
3 in.	Doz.	.17	.70
3½ in.	Doz.	.20	1.00
4 in.	Doz.	.23	1.20
4½ in.	Doz.	.28	1.40
5 in.	Doz.	.35	2.10
6 in.	Doz.	.45	2.75

POT HANGER. Kramer's. Converting flower pots into hanging baskets. Price, each, 15c; doz., postpaid, \$1.75.

"SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

8 in. deep, 11 in. wide.	8 in. deep, 12 in. wide.
No. Length Price	No. Length Price
23.....42 in.....\$5.25	25.....60 in.....\$7.75
24.....48 in.....6.25	

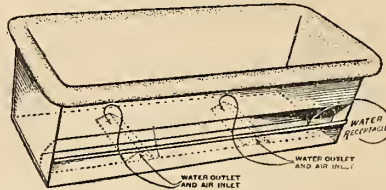
"SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum.

Model	Height	Width	Length	Price
Model A	8 inches	8 inches	23 inches	\$3.00
Model B	8 inches	9½ inches	29 inches	4.00
Model C	8 inches	9½ inches	35 inches	4.50
Model D	8 inches	9½ inches	41 inches	5.00
Model E	8 inches	12 inches	12 inches	3.00
Model F	12 inches	12 inches	12 inches	3.50

"SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i. e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

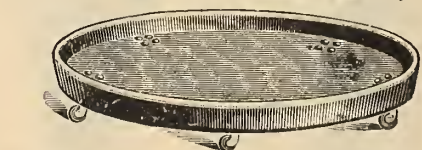
Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24 in.	8½ in.	6¼ in.	\$1.85
30 in.	8½ in.	6¼ in.	2.25
36 in.	8½ in.	6¼ in.	3.25
42 in.	8½ in.	6¼ in.	4.00

We supply all plants for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00. Let us advise you in your selection of plants. We can please you and save you money.

RAKES—Steel Bow Garden. Best, does not break; 12 teeth, \$1.10; 14 teeth, \$1.20; 16 teeth, \$1.30.
Garden Rake. Garden. 12 teeth, 70c; 14 teeth, 80c; 16 teeth, 90c. Lawn Rakes. (See Page 113.)



STAND. Rolling. For heavy plants. Made of indurated fiber ware. Castors have ball bearings; 12-inch, \$1.25; 14-inch, \$1.50; 16-inch, \$2.25; 18-inch, \$2.75.

TOOLS FOR PRUNING

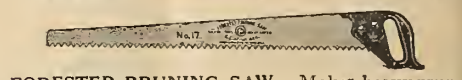
SAWS, DOUBLE EDGED PRUNING. 16-inch, \$1.40; 18-inch, \$1.50; 20-inch, \$1.65.



VAUGHAN'S PERFECTION PRUNING. Made of the best steel with adjustable blade, so any branch can be easily removed close to trunk of the tree. Can be used as a hand saw or fastened to any size pole. Each, \$2.50; 3 for \$7.25. Extra blades, 35c.



CALIFORNIA POLE TRIMMER. Curved, draw-cut saw with crook for removing branches. Each, \$1.90.



FORESTER PRUNING SAW. Makes heavy pruning easy and saves time. 26 inches long. Each, \$1.65.



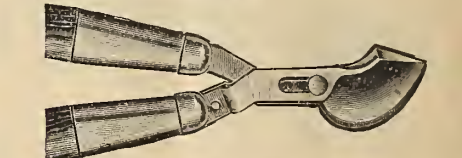
PRUNING. 6-inch, nickel-plated, \$1.50; 9-inch, \$2.00. Extra springs, each, 15c.



PRUNING. Best grade, with double brass springs. Each, \$2.25.

LEVIN'S PRUNING. One of the best pruning shears made. Each, 85c.

HENCKEL IMPORTED PRUNING SHEARS. With ratchet, 7½-inch, each, \$2.50; 8½-inch, each, \$2.75; 9½-inch, each, \$3.25.

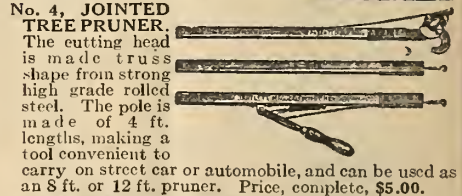


CLYDE DRAW CUT PRUNER. Extra strong, long handle, \$3.50.



BUCKEYE PRUNING. Long handle. Each, \$1.75; large size, heavier, \$2.10.

TREE PRUNERS. Waters'. Length of pole, 6 ft., \$1.65; 8 ft., \$1.90; 10 ft., \$2.25; 12 ft., \$2.50. Extra knives, each, 25c.



No. 4, JOINTED TREE PRUNER. The cutting head is made truss shape from strong high grade rolled steel. The pole is made of 4 ft. lengths, making a tool convenient to carry on street car or automobile, and can be used as an 8 ft. or 12 ft. pruner. Price, complete, \$5.00.



SEED SOWER. Cyclone. (New Improved Model). An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.00.

VAUGHAN'S HIGH-GRADE FERTILIZERS

For Furnishing Plant Food and for Physical Improvement of Soils

WHY FERTILIZERS? The answer is that fertilizers increase profits wherever properly used. They are carriers of plant food in an available and concentrated form. They contain the three elements of plant food most needed in crop production. Nitrogen, usually referred to as ammonia, phosphorus in the form of available phosphoric acid and potassium, or popularly potash. Nitrogen causes quick and vigorous plant growth, available phosphoric acid fill the grain or fruit and hastening ripening. Potash strengthens the straw or stalk

and helps to plump and fill the grain and fruit. The scientific gardener fits his fertilizer to his soil and the crop is growing. We shall be pleased to make suggestions to customers in doubt as to what to use.



Prices are unsettled. In case market declines, orders will be filled at market prices and difference refunded.

VAUGHAN'S LAWN AND GARDEN FERTILIZER

Formula 3-11-1, meaning 3 per cent available ammonia, 11 per cent phosphoric acid, 1 per cent potash. A very desirable high-grade all-around fertilizer. There is sufficient ammonia to give the young plants a quick and vigorous start and maintain a healthy growth. Grass and early garden truck need lots of phosphoric acid, which this supplies. For lawns, make first application in the early spring when frost is out of the ground, distribute evenly 25 pounds of fertilizer to every 1,000 square feet of lawn. In seeding down a new lawn, scatter double the amount, 50 pounds of fertilizer in every 1,000 square feet; rake thoroughly, then sow seed.

5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.25; 250 lbs., \$8.50; 500 lbs., \$14.50; 1,000 lbs., \$27.00; 2,000 lbs., \$52.50.

VAUGHAN'S 3-8-1 FERTILIZER. This brand has been especially prepared for such crops as require a quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1000. Price, 25 lbs., \$1.15; 50 lbs., \$1.75; 100 lbs., \$2.75; 250 lbs., \$6.25; 500 lbs., \$11.00; 1000 lbs., \$20.50; 2000 lbs., \$40.25.

BONE, BLOOD AND POTASH

Fertilizer Mixture 5-8-7 Per Cent Analysis

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top dressing. It is a money-maker. For potting soil, use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch potato to a barrel of water. 25 lbs., \$1.45; 50 lbs., \$2.35; 100 lbs., \$3.75; 500 lbs., \$16.00; 1,000 lbs., \$30.00; 2,000 lbs., \$58.50.

BONE AND BLOOD. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. Price, 25 lbs., \$1.15; 50 lbs., \$1.85; 100 lbs., \$2.80; 250 lbs., \$6.25; 500 lbs., \$11.25; 1000 lbs., \$20.75; 2000 lbs., \$40.50.

FERTILIZER MIXTURE 2-8-1

For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1000; Potato, 500 to 1000; Sage, 200 to 600; Salsify, 500 to 1000; Turnip, 500 to 1000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. Price, 25 lbs., \$1.10; 50 lbs., \$1.70; 100 lbs., \$2.60; 250 lbs., \$6.00; 500 lbs., \$10.00; 1000 lbs., \$18.50; 2000 lbs., \$36.50.

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.70; 50 lbs., \$2.85; 100 lbs., \$4.75; 250 lbs., \$11.25; 500 lbs., \$20.75.

ACID PHOSPHATE. Fourteen per cent available. Animal or bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Price, 25 lbs., \$1.00; 50 lbs., \$1.45; 100 lbs., \$2.15; 250 lbs., \$4.75; 500 lbs., \$7.75; 1000 lbs., \$14.50; 2,000 lbs., \$28.25.

MURIATE OF POTASH. Imported Potash once again available, should be used liberally, especially for all root crops. Price, 25 lbs., \$1.70; 50 lbs., \$2.85; 100 lbs., \$4.75; 250 lbs., \$11.25; 500 lbs., \$20.75.

HARDWOOD ASHES. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. Price, 25 lbs., \$1.15; 50 lbs., \$2.00; 100 lbs., \$3.00; 500 lbs., \$10.50; 1000 lbs., \$18.00; 2000 lbs., \$35.00.

LAND PLASTER OR GYPSUM A high-grade lime product for sweetening heavy and sour soils. Price, Per 100 lbs., \$2.00; 500 lbs., \$8.00.

PULVERIZED LIMESTONE. The agricultural value of lime has been known for centuries, it is an economic neutralizer for soil acidity, also beneficial to the soil in many other ways; it improves the texture of the soil, lets in air and moisture liberates nitrogen and other plant food, makes your soil sweet—enlivens it—that is, makes conditions favorable to plant growth by giving life to the soil bacteria which make it productive. Lime will be found very beneficial in the growing of all garden crops, fruit trees and flowers. Try it on the lawn too. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Packed in cotton sacks—not paper. Price, 100 lbs., \$1.50; 500 lbs., \$5.50; 1000 lbs., \$9.00; 2000 lbs., \$17.00.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125 and 250 lbs. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 pounds the customer pays all freight or express charges.

VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia $4\frac{1}{2}$ to $5\frac{1}{2}$ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$3.50; 250 lbs., \$8.00; 500 lbs., \$14.75; 1000 lbs., \$27.25; 2000 lbs., \$53.75.

Quantity Required.—For permanent pasture and mowing lands $\frac{1}{2}$ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1000 to 1500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

REGULAR BONE MEAL. 25 lbs., \$1.30; 50 lbs., \$2.00; 100 lbs., \$3.25; 250 lbs., \$7.00; 500 lbs., \$12.75; 1000 lbs., \$23.75; 2000 lbs., \$46.75.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary.

Price, 5 lbs., 30c; 10 lbs., 60c; 25 lbs., \$1.35; 50 lbs., \$2.00; 100 lbs., \$3.20; 500 lbs., \$12.25; 1000 lbs., \$20.75; 2000 lbs., \$41.00.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must furnish the plant with Nitrogen.

HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.

For Asparagus, a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance. For Strawberries, a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the Home Garden apply as a solution one ounce to two gallons of water. Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00; 500 lbs., \$22.50; 1000 lbs., \$41.75; 2000 lbs., \$82.25. Write for prices on larger quantities.



SHREDDED CATTLE MANURE. An efficient, high-grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. Price, 25 lbs., \$1.30; 50 lbs., \$1.95; 100 lbs., \$2.50; 500 lbs., \$9.25; 1000 lbs., \$15.25; 2000 lbs., \$30.00.

PURE ICHTHEMIC GUANO. An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form.

DIRECTIONS FOR USE.—(1) In the dry state, 1 to 2 ounces to the square yard of ground. (2) In a liquid state, a tablespoonful to a gallon of water in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, 1 part to 100 parts of soil. Imported in original bags of 112 lbs. each. 28 lbs., \$3.15; 56 lbs., \$5.75; 112 lbs., \$10.75.

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top dressing. Price, 7 lbs., \$1.50; 14 lbs., \$2.50; 28 lbs., \$4.50; 56 lbs., \$8.00; 112 lbs., \$15.00.

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. Price, 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$7.00; 500 lbs., \$30.00.

SULPHATE OF AMMONIA Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench or a tablespoonful to a bushel of soil, or 3 gallons of water. Price, 25 lbs., \$2.25; 50 lbs., \$3.75; 100 lbs., \$6.00; 500 lbs., \$25.00.

VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months, 20c; 3 for 55c; (by mail add 5c per pkg.); large package, containing sufficient plant food for one year, 30c; 3 for 80c; (by mail add 10c per pkg.). Directions in package.

IMPORTANT. The prices on this page are based on present prices of fertilizers and are subject to change as market fluctuates.

We are not responsible for loss of weight, due to evaporation, of imported fertilizers.

Vaughan's Nurseries' Condensed List

ASK FOR OUR COMPLETE NURSERY CATALOG—FREE

Our complete Nursery Catalogue, containing fully illustrated and descriptive list of vines, shrubs, shade trees, fruit trees, small fruits and grape vines, with invaluable planting suggestions, will be sent you upon request, FREE, postpaid. It contains Fourteen Plans for Planting the Home Grounds, by C. L. Burkholder, of Purdue University. If it does not accompany this catalogue, write for it. **POULTRY CATALOG**—A 32-page Poultry Catalog, illustrating, describing, and pricing our complete line of poultry feeds and supplies will be sent on request free, postpaid. Write for it if you are a keeper of poultry.

HARDY CLIMBING VINES

AMPELOPSIS VEITCHII. (Boston Ivy). 3-yr., each, 60c; 3 for \$1.75; doz., \$6.00. 2-yr., each, 50c; 3 for \$1.35; doz., \$5.00.
Pot Crown. (Ready June 1st). Each, 75c; doz., \$8.00.

Akebia Quinata Vine. 2-yr., each, 75c.
Ampelopsis Engelmannii. (Engleman's Ivy). 2-yr., each, 60c.
Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine). 2-yr., 60c; 3-yr., 75c.
Aristolochia Siphon. (Dutchman's Pipe). 2-yr., each, \$1.25.
Bignonia Radicans. (Trumpet Vine). 2-yr., each, 65c.

CELASTRUS.
Scandens. (Climbing Bitter Sweet). 2-yr. vines, each, 65c; 3-yr., 75c.

CLEMATIS Japanese (Clematis Paniculata).
Prices, by mail, postpaid, 2-yr., each, 65c; 3-yr., each, 85c. By express, at buyer's expense, 2-yr., each, 60c; 3-yr., each, 75c; 4-yr., extra heavy, each, \$1.00; 3-yr., pot grown, each, \$1.00.

LARGE FLOWERING CLEMATIS. Duchess of Edinburgh.
Henryi. (Bangholm Belle).
Jackmanii.
Mad. Baron Veillard.
Mad. Edward Andre. Prices of above, 2-yr., each, \$1.00.

Gold Medal Collection. One 2-year old root, each Jackmanii, Duchess of Edinburgh and Mad. Ed. Andre, \$2.75.

VARIOUS SPECIES OF CLEMATIS.

Coccinea. 2-yr., each, 75c.
Crispa. 2-yr., each, 75c.
Virginiana. 2-yr., each, 60c.
HONEYSUCKLES (Lonicera). Belgica. (Sweet Scented Monthly). 2-yr., 65c.
Fuchsoides. (Scarlet Trumpet or Sempervirens). 2-yr. only, 65c.

Hall's Japanese Honeysuckle. (Lonicera Halleana). 2-yr., 65c; 3-yr., 75c.
KUDZU VINE. (Pueraria Thunbergiana) or Jack-and-the-Bean-Stalk-Vine. Strong roots, each, 50c; 3 for \$1.35; doz., \$5.00.

MATRIMONY VINE (Lycium). Strong 2-yr., each, 50c.

WILD GRAPE VINE. 2-yr., each, 60c.

WISTARIA MAGNIFICIA. 2-yr., extra strong, 60c; 3-yr., extra strong, 75c.

SHRUBS

ALMOND DOUBLE-FLOWERING. (B). Double Pink or Double White, bushy, 2 to 3 ft., \$1.00; 3 to 4 ft., \$1.25.

ALTHEA FRUTEX. (Rose of Sharon). (A). Double White, Pink or Red, extra bushy, 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.
Single Blue, 2 to 3 ft., bushy, 75c.

ARALIA. (The Angelica Tree)
Pentaphylla. (B). 3 to 4 ft., bushy, 90c.
Spinosa (Hercule's Club). 3 to 4 ft., 85c.

BARBERIS. (Barberry).
Illicifolia. (Holly-leaved Barberry). (B). 2 to 2½ ft., \$1.35; 3 ft. Specimens, \$1.75.
These prices are for stock with ball of earth and burlapped.

Thunbergii (Japanese Barberry). (B). 2-yr., 12 to 18-inch, each, 45c; per 100, \$30.00. 3-yr., 18 to 24-inch, each, 65c; per 100, \$40.00.

BOX-BARBERRY. The New Hardy Edging and Dwarf Hedge.
2-yr., each, 40c; 10 for \$3.50; per 100, \$25.00.
3-yr., each, 50c; 10 for 4.50; per 100, 35.00.
4-yr., each, 60c; 10 for 5.00; per 100, 50.00.

Buddleia Variabilis Veitchiana. (Summer Lilac) (B). 2-yr., 75c.

CALYCANTHUS FLORIDUS. (Sweet Shrub). (A). 2 to 3 ft., bushy, 80c.

CORNUS (Dogwood). (B).
Mascula. (Cornelian Cherry). (B). 2 to 3 ft., 65c; 4 to 5 ft., \$1.25; 5 to 6 ft., \$1.50.

Sanguinea. (Red-branched Dogwood) (B). 4 to 5 ft., bushy, 90c; 5 to 6 ft., bushy, \$1.10.
Sibirica. (Siberian Red Osier). 2 to 3 ft., 65c; 3 to 4 ft., 75c; 4 to 5 ft., 90c.

Stolonifera Aurea. (Golden-twigg'd Osier). 2 to 3 ft., extra bushy, 65c; 3 to 4 ft., extra bushy, 75c; 4 to 5 ft., 90c.

CRAB. (Bechtel's Double-Flowering). (A). 4 to 5 ft., extra fine, \$2.50; 5 to 6 ft., Specimens, \$4.50 to \$6.00; 6 to 7 ft., Specimens, \$6.00 to \$8.00; 7 to 8 ft., Specimens, \$8.00 to \$10.00.
(See also Malus Floribunda).

SHIPPING DIRECTIONS

Shrub orders amounting to \$5.00 and over and mixed orders, part Shrubs and Trees, amounting to \$8.00 include prepayment either by express or freight, within limits of Chicago, otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

Explanation of Symbols Used After Names of Plants
A denotes shrubs which attain 9 to 12 feet in height at maturity.
B denotes shrubs which attain 5 to 8 feet in height at maturity.
C denotes shrubs which attain 1 to 4 feet in height at maturity.

CYDONIA (Pyrus)
Japonica. (Japan Quince). (B). 2 to 3 ft., 75c; 3 to 4 ft., 85c; 4 to 5 ft., \$1.00.

DEUTZIA.
Crenata Flore Pleno. 4 to 5 ft., \$1.00.
Gracilis. (C). 18 to 24 inches, 75c.
Lemoinei. (B). 2 to 3 ft., 85c.
Pride of Rochester. (B). 4 to 5 ft., extra bushy, \$1.00.

ELEAGNUS (Silver Thorn).
Angustifolia. (Russian Olive). (A). 6 to 7 ft., \$1.00; 7 to 8 ft., \$1.25.

EUONYMUS (Strawberry or Burning Bush).
Alatus. (Winged Burning Bush). (B). 2 to 3 ft., extra bushy, \$1.75; balled and burlapped, 5 to 6 ft. Specimens, \$5.00 to \$7.00; 6 to 8 ft., Specimens, \$8.00 to \$10.00.

FORSYTHIA (Golden Bell). (B).
Intermedia. 3 to 4 ft., extra bushy, 70c; per 100, \$50.00; 4 to 5 ft., extra bushy, 85c; 4 to 5 ft. Specimens, \$1.25.
Guelder Rose—See Viburnum Sterile.

HAMAMELIS VIRGINICA (Witch Hazel). (B). 2 to 3 ft., 75c.

HIPPOPHAE RHAMNOIDES. (Sea Buckthorn). (B). 3 to 4 ft., 75c.

HYDRANGEA ARBORESCENS GRANDIFLORA "SNOWBALL." (C). 2-yr., 75c; 3-yr., 85c.

HYDRANGEA PANICULATA GRANDIFLORA. (A). 2-yr., bushy, 75c; 3-yr., bushy, 90c.
Tree Form. (A). 2½ to 3-ft. stems, \$1.50.

LIGUSTRUM (Privet).
Amurensis. (Amoor Privet). (B). 2 to 3 ft., extra bushy, 50c; per 100, \$28.00; 3 to 4 ft., extra bushy, 65c; per 100, \$35.00.

Ibota. (Chinese Privet). (B). 2 to 3 ft., extra bushy, 50c; per 100, \$28.00; 3 to 4 ft., extra bushy, 65c; per 100, \$38.00; 4-ft. Specimens, 90c.

LILAC (True Syringa). (B).
Alphonse Lavalle. 4 to 5 ft., \$1.85.
Bertha Dammann. 3 to 4 ft., \$1.20; 4 to 5 ft., \$2.00.

Charles X. 3 ft., \$1.20.
Japonica. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.50.
Jeanne d'Arc. 4 to 5 ft., \$1.50; 5 to 6 ft., \$2.00.
Mad. Lemoinei. 3 to 4 ft., \$1.50; 4 to 5 ft., \$1.75; 5 to 6 ft., \$2.25.

Marie Legraye. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.50.
Michael Buchner. 3 to 4 ft., \$1.50; 4 to 5 ft., \$1.75; 5 to 6 ft., \$2.25.

Persian Purple. 2 to 3 ft., 85c; 3 to 4 ft., \$1.00.
Souvenir de Louis Spach. 3 to 4 ft., \$1.50; 4 to 5 ft., \$1.75.

Vulgaris Purpurea. (Common Lilac). 3 to 4 ft., extra bushy, 75c; per 100, \$60.00; 4 to 5 ft., extra bushy, 90c; per 100, \$75.00; 5 to 6 ft., \$1.20; per 100, \$80.00; 7 to 8 ft., \$1.75.

LILAC TREE FORM Japonica. 4 to 5 ft., \$1.75; 5 to 6 ft., \$2.25; 6 to 7 ft., \$3.00.

LONICERA (Bush Honeysuckle).
Morrowii. (Japanese Bush Honeysuckle). (B). 2 to 3 ft., 60c; 4 to 5 ft., Specimens, \$1.00.

Tatarica (Tartarian Honeysuckle).
Tatarica Alba. (White Tartarian). (B). 4 to 5 ft., extra bushy, 90c.

Tatarica Rosea. (Pink Tartarian). (B). 3 to 4 ft., 75c; 4 to 5 ft., extra bushy, 90c; 5 to 6 ft., extra bushy, \$1.25.

LYCIUM (Matrimony Vine)
Barbarum. 2-yr., 50c.

MALUS (Pyrus).
Arbutifolia. (Choke-Berry). 3 to 4 ft., 80c; 4 to 5 ft., 90c.

Nigra. (Black Choke-Berry). 3 to 4 ft., 80c.
Coronaria. 4 to 5 ft., \$1.50.
Spectabilis Fl. albo Pleno. 5 to 6 ft., Specimens, \$1.75.
Niedzwetskiana. 6 to 7 ft., \$1.75; 7 to 8 ft., \$2.25.

MORUS (Mulberry). **Tatarica.** (Russian). to 3 ft., 65c; 7 to 8 ft., \$1.00.

PHILADELPHUS OR SYRINGA (Mock Orange).
Avalanche. (B). 2 to 3 ft., bushy, 80c.
Bouquet Blanc. 3 to 4 ft., bushy, 90c.
Grandiflorus. (A). (Large-flowered Syringa or Mock Orange). 2 to 3 ft., 65c; 3 to 4 ft., bushy, 75c.
Lemoinei. 3 to 4 ft., 90c.
Lemoinei Conquette. 3 to 4 ft., 90c.
Lemoinei Erectus. (B). 3 to 4 ft., bushy, 90c.
PRIVET—See Ligustrum.

PRUNUS (Plum). Ornamental and Flowering Varieties.
Pissardii. (A). (Purple-leaved Plum). 4 to 5 ft., \$1.10; 5 to 6 ft., \$1.25.

Triloba. (B). (Double-flowered Plum). 3 to 4 ft., \$1.00; tree form, 5 ft. Specimens, per 100 to \$16.00.
Wild Plums. 5 to 7 ft., 50c; per 100, \$35.00.

RHAMNUS (Buckthorn).
Catharticus. (A). 3 to 4 ft., 60c; 4 to 5 ft., 75c; per 100, \$50.00; 5 to 6 ft., \$1.00; per 100, \$70.00; 6 to 7 ft., \$1.25.
Frangula. (Alder Buckthorn). (B). 5 to 6 ft., \$1.10.

RIBES CURRANT.
Alpinum. (B). 2 to 3 ft., extra bushy, 60c.
Aureum. (Yellow-flowering or Missouri Currant). 2 to 3 ft., 50c; 3 to 4 ft., 60c.

RHUS.
Aromaticum. (Fragrant Sumach). (C). 3 to 4 ft., 90c.
Copallina. (Dwarf or Shining Sumach). (C). 2 to 3 ft., 60c; 3 to 4 ft., 75c.
Cotinus. (Smoke Tree). 3 to 4 ft., \$1.00; 4 to 5 ft., \$1.50.
Glabra. (Smooth Sumach). 3 to 4 ft., 60c; 4 to 5 ft., 75c.

Glabra Laciniata. (Cut-leaved Sumach). 3 to 4 ft., 75c.
Typhina Laciniata. (Fern-leaved Staghorn Sumach). 3 to 4 ft., 75c; 4 to 5 ft., 90c.

ROSA (Rose).
Rubiginosa. (English Sweet Briar). 4-yr., 85c.
Rugosa Rubra. 2-yr., 75c.
Setigera. (Prairie Rose). 2-yr., 50c.

SALIX (Willow).
Britzensis. 8 to 10 ft., 90c.
Discolor. (Pussy Willow). 3 to 4 ft., 65c; per 100, \$50.00; 4 to 5 ft., 75c; per 100, \$65.00.
Vitellina Aurea. 5 to 6 ft., 85c.

SAMBUCUS (Elder).
Nigra Aurea. (A). 3 to 4 ft., 75c.
Nigra Laciniata. (Cut-leaved Elder). 7 to 8 ft., \$1.10.
Racemosa. 3 to 4 ft., 75c.

SPIRAEA.
Anthony Waterer. (B). 12 to 18 in., 75c; 18 to 24 in., 85c.

Arguta Multiflora. (Snow Garland). 2 to 3 ft., 75c; 3 to 4 ft., \$1.00; 4 to 5 ft., \$1.20.
Billardii. (B). 2 to 3 ft., 65c; 3 to 4 ft., 75c.
Callosa Alba. (Fortune's Dwarf White Spiraea). 12 to 18 in., 75c; 18 to 24 in., 85c.
Callosa Froeblii. 18 to 24 in., 85c.
Opulifolia. (Nine Bark). 4 to 5 ft., extra bushy, 70c; 5 to 6 ft., 85c.

Opulifolia Aurea. (Golden-leaved Nine Bark). (B). 3 to 4 ft., 75c; 4 to 5 ft., 85c.

Thunbergii. (Thunberg's Spiraea). (B). 18 to 24 in., 65c.

Van Houttei. (Bridal Wreath). 2 to 3 ft., bushy, 60c; 3 to 4 ft., bushy, 75c; 4 to 5 ft., bushy, 90c; 4 to 5 ft., extra bushy, \$1.10.

SYMPHORICARPUS (The Coral-Berry, Indian Currant and Snowberry).
Racemosus. (Snowberry). (B). 2 to 3 ft., 60c.
Vulgaris. (Coral-Berry or Indian Currant). (B). 2 to 3 ft., 60c; 3 to 4 ft., bushy, 75c.

TAMARIX (B).
Amurensis. 3 to 4 ft., 60c; 4 to 5 ft., 75c; 5 to 6 ft., 90c; 6 to 7 ft., \$1.10.
Hispida Aestivalis. 3 to 4 ft., 75c; 4 to 5 ft., 90c.

VIBURNUM. (The Arrow-woods, High Bush Cranberry and Snowballs).
Dentatum. (Arrow Wood). (B). 2 to 3 ft., 75c.
Lantana. (Early White Lantern-leaved Viburnum). (A). 3 to 4 ft., 75c; 4 to 5 ft., 90c.
Lentago. (Sheep Berry). 2 to 3 ft., extra bushy, 80c.
Molle. (Glossy Viburnum). 2 to 3 ft., 70c; 5 to 6 ft., Specimens, \$1.75.
Opulus. (High Bush Cranberry). (A). 3 to 4 ft., extra bushy, 85c; 4 to 5 ft., \$1.20; 6 to 7 ft., Specimens, \$1.75.
Opulus Sterile. (The Old-fashioned "Snowball"). 3 to 4 ft., 85c.
WEIGELIA. (Diervilla). (B).
Amabilis. 2 to 3 ft., 80c; 3 to 4 ft., \$1.00.
Candida. 2 to 3 ft., 80c.
Eva Rathke. 2 to 3 ft., \$1.00.
Rosea. 2 to 3 ft., 75c; 3 to 4 ft., \$1.00.

FRUIT TREES, Apples.—Continued.
Yellow Transparent. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
CRAB APPLES. Prices same as Standard Apples.
Hyslop. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
CHERRIES.
 Any of the following (except where noted): 4 to 5-ft. trees. Each, \$1.50.
Dyehouse. 4 to 5 ft.
Early Richmond. 4 to 5 ft., \$1.50; 5 to 6 ft., \$2.00.
Early Richmond. (Grafted on Morelo). 4 ft. Each, \$2.00.
English Morelo.
Montmorency.
Windsor. 5 to 6 ft. Each, \$1.75.

SMALL FRUITS

BLACKBERRIES.
 Price, each, 25c; 3 for 65c; 10 for \$1.50; per 100, \$7.50.
 If to go by mail, add 10c per doz. or 60c per 100 for postage and packing.
Ancient Briton. **Himalaya Giant.**
Blossers. **Snyder.**
Eldorado.

GRAPES.

Price (except as noted), 2-year, each 50c; 3 for \$1.35; 10 for \$4.00; 3-year, each 65c; 3 for \$1.80; 10 for \$5.50.

If to go by mail, add 10c each or 50c per 10 for postage and extra packing expense.

Agawan. (Red or Maroon).
Brighton. (Dark Red).
Campbell's Early.—King of American Grapes. (Black). Price, 2-year-old vines, each 75c; 3 for \$2.10; 10 for \$6.50.

Catawba. (Red). **Moore's Early.** (Black).
Concord. (Black). **Niagara.** (White).
Delaware. (Red). **Worden.** (Black).

RASPBERRIES.

Price (except where noted), each, 20c; 3 for 50c; 10 for \$1.20; per 100, \$6.00.

If to go by mail, add 10c per doz., 50c per 100 for postage and packing.

Colossal. (Red). **Cuthbert.**
Columbian. (Purple). **Gregg.** (Black).
Cumberland. (Black). **Golden Queen.** (Yellow).
The Herbet Raspberry. (Red). Price, each, 30c; 3 for 70c; 10 for \$2.00; per 100, \$12.00.
Kansas. (Black). **Loudon.** (Red).

NEW EVER-BEARING RASPBERRY. (Red).
St. Regis. Price, each, 25c; 3 for 65c; 10 for \$1.50; per 100, \$7.50.

RHUBARB.

Vaughan's Mammoth Rhubarb Roots.
 If to go by mail allow for postage, 1-year, 1 lb.; 2-year, 1½ lbs.; 3-year, 2 lbs.
 1-year, each, 20c; 3 for 45c; 10 for \$1.30. 2-year, each, 30c; 3 for 75c; 10 for \$2.25. 3-year, each, 50c; 3 for \$1.35; 10 for \$4.00.

VAUGHAN'S FRUIT TREES

APPLES	Each	3	10
4 to 5 ft.	\$1.20	\$3.30	\$10.00
5 to 6 ft.	1.50	4.20	12.00
6 to 7 ft.	1.75	4.95	15.00
7 to 8 ft.	2.25	6.45	20.00

We offer the following selected varieties:

Autumn Strawberry. 4 to 5 ft., 5 to 6 ft.
Baldwin. 4 to 5 ft., 5 to 6 ft.
Banana. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.
Ben Davis. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Black Ben Davis. 4 to 5 ft., 5 to 6 ft.
Delicious. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Duchess of Oldenburg. 4 to 5 ft., 5 to 6 ft.
Early Harvest. 4 to 5 ft., 6 to 7 ft.
Fameuse. (Snow Apple). 4 to 5 ft., 5 to 6 ft.
Gano. 5 to 6 ft.
Grimes' Golden. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Jonathan. 4 to 5 ft., 5 to 6 ft., 7 to 8 ft.
McIntosh Red. 4 to 5 ft.
Northern Spy. 4 to 5 ft., 5 to 6 ft.
Northwestern Greening. 4 to 5 ft., 5 to 6 ft.
Red Astrachan. 4 to 5 ft., 5 to 6 ft., 7 to 8 ft.
Rome Beauty. (Late Winter). 4 to 5 ft., 5 to 6 ft.
Tolman's Sweet. 4 to 5 ft.
Wagner. (Red Winter Apple). 4 to 5 ft., 5 to 6 ft.
Wealthy. 4 to 5 ft.
Winesap. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Wolf River. 5 to 6 ft.

DWARF APPLE AND PEAR TREES

DWARF APPLES. 3 to 4 ft. Each, \$1.50.
 Delicious, Duchess of Oldenburg, Wagener, Yellow Transparent.

DWARF PEARS. 3 to 4 ft. Each, \$1.50.
 Bartlett, Clapp's Favorite, Duchess, Seckel.

PEARS. 4 to 5 ft. Each, \$1.50 \$4.20 \$13.50
 5 to 6 ft. 1.75 4.95 15.00
 6 to 7 ft. 2.00 5.70 17.50

Bartlett. 4 to 5 ft.
Clapp's Favorite. 4 to 5 ft., 6 to 7 ft.
Duchess. 4 to 5 ft., 5 to 6 ft.
Early Harvest. 4 to 5 ft., 6 to 7 ft.
Flemish Beauty. 4 to 5 ft., 5 to 6 ft.
Kieffer. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.
Koonce. 4 to 5 ft., 5 to 6 ft.
Seckel. 4 to 5 ft., 5 to 6 ft.
PLUMS. **Abundance.** 4 to 5 ft. Each, \$1.50.
Burbank. 4 to 5 ft. Each, \$1.50.
De Sota. 6 to 7 ft. Each, \$2.00.
Okata. Each, \$2.00.
Sapa. Each, \$2.00.
Shropshire Damson. 4 to 5 ft. Each, \$1.50.
Waneta. 4 to 5 ft., \$2.00.
Wolf 6 to 7 ft., \$2.00.

PEACHES. Price, the following 4 to 5 ft. trees, each, 90c; 3 for \$2.40; 10 for \$7.00.
Crawford's Early **Elberta**
Crawford's Late **Wonderful**
Crosby

Vaughan's VIGOR Strawberry Plants

Price, postpaid up to the 4th zone, 25 for 50c; 100 plants for \$1.50. Postpaid from 4th zone to 8th zone, 25 for 60c; 100 for \$1.75. By express, at buyer's expense, 100 for \$1.35; 500 for \$6.50; 1000 for \$12.00. Write for prices on larger lots.

Our plants are grown under ideal conditions in Northern Michigan. Note illustration for root development of a single specimen. They have been developed from selected plants. We expect to make "Vaughan's Vigor" Strawberry Plant the standard for the country. We know you will be pleased. Varieties below are up-to-date.

Write for pamphlet on Strawberry Culture.

AROMA. (Per.) Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality. Its rich aromatic flavor has suggested its name. The habit of spreading which this variety possesses opens the way for the sunlight to reach the crown. The leaves are broad, clean and smooth and of a dark green color.

BIG JOE. (Per.) Late. Fruit large roundish, conical, even in size and shape and holds its size well until the last picking. Dark glossy red, firm and of excellent quality, adapted to practically all conditions of soil and climate. A splendid producer. A good pollinizer for the late imperfect blossoming varieties. Also known as the Joe Johnson.

BRANDYWINE. (Per.) Medium late. Large deep red fruit, and a fancy market product. Flesh firm and red all the way through. The flavor of Brandywine is very distinctive. A general favorite because of its many fine points and its high productivity. Foliage dark green, roots deep, enabling it to endure more dry weather than most varieties. It thrives in any kind of soil and under any reasonable climatic conditions



DR. BURRELL. (Per.) Medium early. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red only a trifle lighter in color than the Senator Dunlap. The meat is solid and rich. Its long and heavy root system makes it a splendid drought resister. The foliage is large and of a dark green, having a tough leaf tissue insuring freedom from leaf spots.

GIBSON. (Per.) Medium early. Berries are large and regular in shape, holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive, in fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong vigorous plant that withstands adverse conditions admirably. This variety seems to embody every requirement necessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

HERITAGE. The plant is very large, of extremely heavy texture, some single-crown plants carrying foliage with a spread of 20 to 22 inches. Deep rooted and extremely free in fruiting, beginning to ripen its fruit about early midseason and continuing to very late. The berry is dark, shiny, crimson to the center. Has a perfect blossom. Carries an unusually heavy green calyx, adding decidedly to its market value. Extremely large from the first picking to much above the average for the main crop and continuing large after the better known varieties are gone. We have fruited the Heritage for several seasons and every year grow more enthusiastic over it. Don't fail to include this one in your list, as it will prove a money-maker for you.

PREMIER. (Per.) Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resister, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

SENATOR DUNLAP. (Per.) Midseason. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the new beginner as well as with the veteran grower—but should not be allowed to mat too thickly. For a medium sized productive early to midseason berry you need not hesitate to plant Dunlap. One of the best and most popular.

SPECIAL OFFER No. 119. A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

PROGRESSIVE. (Fall bearing.) You can have strawberries just as easily in the Fall as in the Spring by planting the Progressive which is the best of all Fall or Everbearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather. Price, of Fall bearing, 25 for \$1.00; 50 for \$1.50; 100 for \$2.50; postpaid up to the 4th zone; 500 for \$11.50; 1000 for \$20.00; by express at buyer's expense.

POT GROWN STRAWBERRIES FOR FALL PLANTING

Ready about August 1st. Selection from above list, doz., 75c; per 100, \$5.00. Fall bearing, doz., 85c; per 100, \$6.00. Not less than 25 at the 100 rate by express at buyer's expense.



ONE OF OUR PEONY FIELDS



PROPAGATING FRAMES, PACKING SHEDS



A BLOCK OF APPLE TREES



ROW AFTER ROW OF BLUE SPRUCE

How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Early Orders Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders received earliest secure the promptest shipment and from our complete stocks.

Daily filling of seed orders is the Vaughan rule.

Order Sheets Use the order sheets accompanying this catalogue. One for **Seeds, Bulbs and Garden Sundries**, the other for **Trees, Plants and other Nursery Stock**. Please fill in all particulars carefully and distinctly with your **Zone Number** and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out. No plants, trees or shrubs sent C. O. D.

Order Trees, Shrubs and Hardy Vines, if possible, before end of March—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

All **Trees Shrubs and Hardy Plants** are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February). State plainly date and manner of shipping you wish.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalog.

You will find your **Zone Number** following your name on the wrapper of this catalog.

PLEASE MARK ZONE NUMBER in the space provided for same on the top right-hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where **peas, beans and corn** form a large proportion, are best sent this way. Orders over **FIVE POUNDS (5 lbs.)** weight going to **5th Zone** and beyond, will travel cheaper by express than by parcel post.

Send Money by New York or Chicago draft, **registered letters** or post-office or express **money orders**. Do not send loose currency or stamps in letter, unless registered. When enclosing postage stamps give us fives, tens or fifteens. Registered letters can be sent from any post-office, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. Make money orders payable to "Vaughan's Seed Store." (Mark your **Zone Number** on order).

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

Free Delivery

We prepay at our option (mail or express) in Local, First, Second and Third Zones from Chicago or New York all Flower and Vegetable Seeds ordered at rates of single packet, ounce, quarter-pound, half-pound and pound; also two pound lots of Peas, Beans and Sweet Corn.

Where bought in quantities exceeding the above, and at special quantity prices, add postage at zone rates.

N. B.—Buyers who reside beyond the third zone from Chicago or New York may have all the seeds above mentioned

PREPAID for FIVE CENTS (5 cts.) per pound additional.

This offer includes the 4th, 5th, 6th, 7th and 8th zones and the dependencies of the United States.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

BY EXPRESS—We advise for safety against injury, to use express shipments on parcels weighing over 15 pounds.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C.O.D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if we are immediately advised in case of any dissatisfaction.

We wish it understood that all our stocks are sold under the following conditions: **We Do Not Warrant** in any way, expressed or implied, the contents or the description, purity, productivity or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S VEGETABLE SPECIALS

Illustrated on Back Cover

THE illustrations in four colors on the back cover of this Catalog depict the Milwaukee Market Muskmelon, The Vaughan Cucumber, Bantam Evergreen Sweet Corn and Avon Early Tomato. They are shown, not life size, but in proportion. It is common for the Vaughan Cucumber to exceed a length of 15 inches, which is the size of the specimen illustrated and the other subjects are reduced on this scale. These four super excellent vegetables should be in every garden which can grow them.

SPECIAL OFFER, "BACK COVER COLLECTION"

- | | |
|--|---|
| One packet The Vaughan Cucumber..... | } Regular Price, 60c.
"Cover Collection" Special Price, 40c, Postpaid. |
| One packet Milwaukee Market Melon..... | |
| One pound Bantam Evergreen Sweet Corn..... | |
| One Packet Avon Early Tomato..... | |

Four Remarkable and Most Desirable Kinds

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof..	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
(See our prepaid offer above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles.....	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles.....	11c.	10c.
Eighth Zone all over 1800 miles and Canada.....	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. (Mark your **Zone Number** on order).

Vaughan's Seeds

