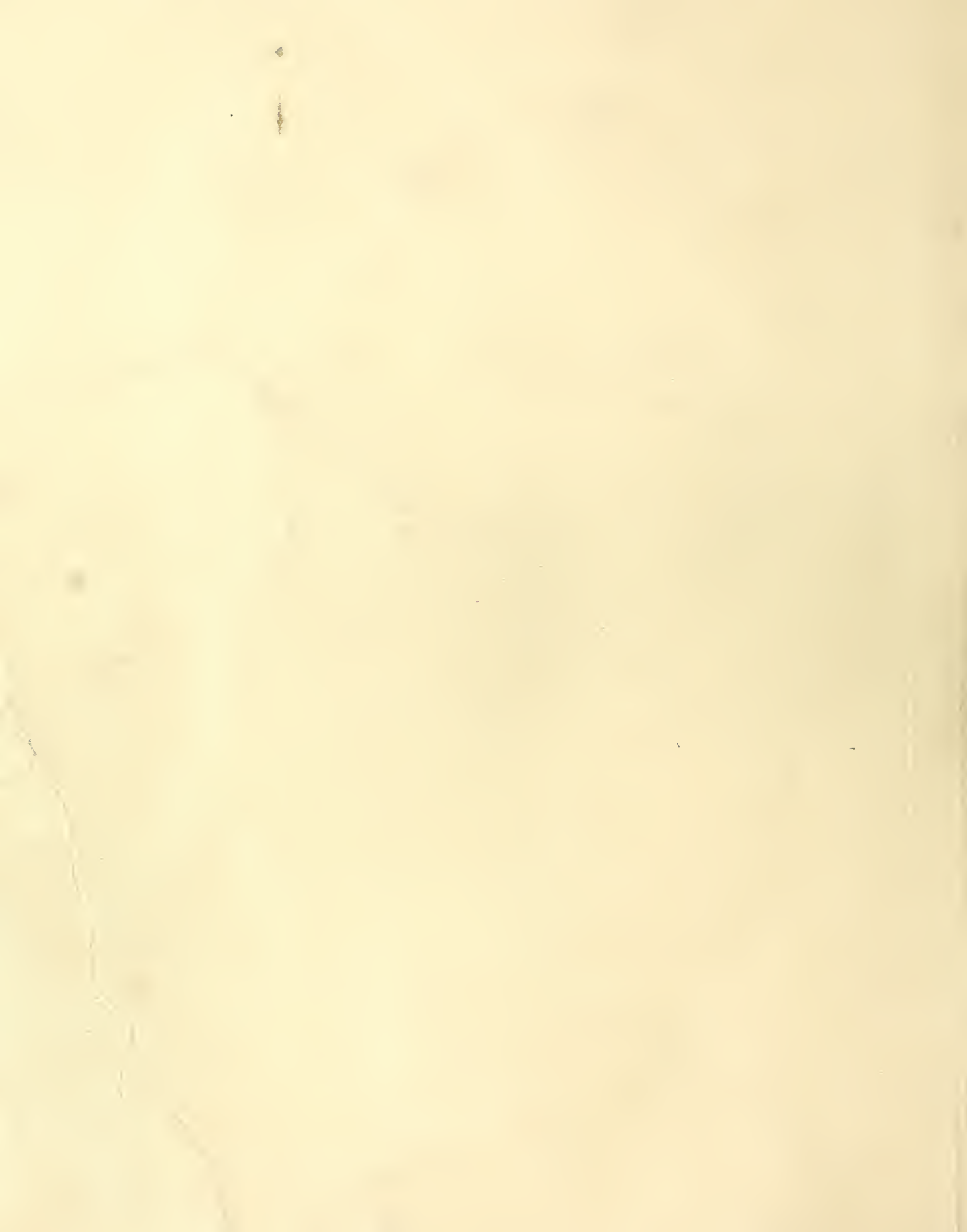


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Beckert's Victory Garden Catalog

BECKERT'S SEED STORE *The Store of Complete
Garden Service*

101 & 103 FEDERAL STREET

NORTH SIDE, PITTSBURGH, PENNA.

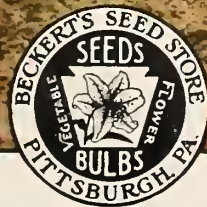
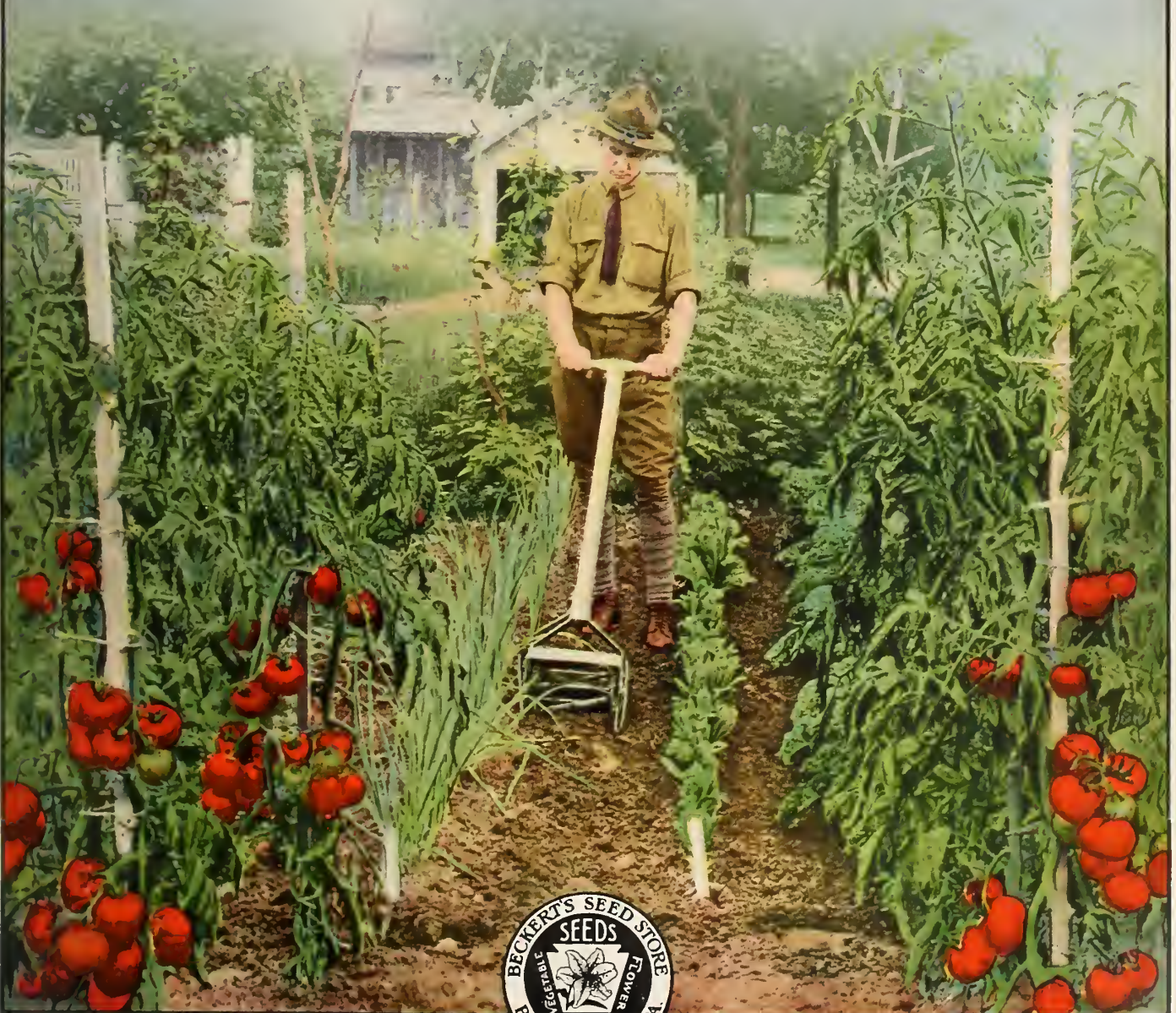




Photo. Courtesy National War Garden Commission.

The employees of the camera works of the Eastman Kodak Co., at Rochester, are putting to work every plot that they can find to work

What to Grow in Your Victory Garden

It is a very characteristic national trait of ours that we do things impulsively, go to it, so to say, with a rush, and then think it over afterward. That has been the tendency in connection with many of our war gardens.

And now that the war is won, the final winning of victories over General Hunger and his evil companions is up to us, here in America. As explained on opposite page, the next ten months will confront us with unparalleled conditions. *Now is the time* to set at naught some of the distressing after-effects of the war.

Make your victory garden yield the greatest amount of solid food that the soil will produce. The most profitable classes of vegetables to grow are beans, beets, cabbage, carrots, corn, onions, peas, potatoes, tomatoes and turnips. Nearly half of these are root-crops for winter use, about which more is said on page 5. All of them are easily grown, in almost any soil.


Always choose the most productive sorts in every class, because it is just as easy to grow, for instance, a variety of beans bearing 100 pods per plant as it is to grow those yielding less. Always get the best strains that money can buy of these profitable types, because the first cost of the seeds is very small when compared with the time and effort required to produce the crop. Those who are not familiar with the relative merits of the many sorts we offer will do well to take the illustrations as a guide. New Victory Gardeners will welcome our Dollar Collection, offered on page 8.

Varieties shown in victory garden on front cover are Bonny Best Tomatoes, White Bunch Onions, Trianon Cos Lettuce, Dwarf Green Kale. Vegetables grown in above Victory Garden of an employee of the Eastman Kodak Co. are, from left to right, Sandwich Island Salsify, Danvers Carrot, Hollow Crown Parsnips, Detroit Dark Red Beets, Chartier Radishes, Flat Dutch Cabbage, and Stone Tomatoes.

A Remarkable Tool The new type of cultivator pushed by the soldier boy in the garden shown on front cover is the Barker Mulcher, Weeder, and Cultivator. We believe this to be the best all-round three-in-one garden tool yet evolved. It has three strong cultivator teeth on one side. When reversed, it is transformed into a sharp weed-cutter. Between this weed-cutter and the cultivator teeth are a series of sharp knives which revolve as the cultivator is pushed, very much like the knives on a lawn-mower. This pulverizes the soil, forming a perfect dust-mulch.

Pittsburgh, Pennsylvania, January 1, 1919.

Greetings to Our Friends, Our Customers

 FOR forty years it has been the privilege and pleasure of Beckert's Seed Store to serve discriminating American home gardeners with the choicest seeds that human ingenuity, plus time and effort, could produce. During that time we have made many friends solely on the strength of the quality of what we sold and through the satisfaction which the seeds, plants, and bulbs gave in the customers' gardens.

We shall continue to serve customers, old and new, in this fashion. In addition, we consider it a solemn obligation to call the attention of our friends to the absolute need of food-gardens for the coming season. Not since the days of Egypt has the world been confronted by as great a food-shortage as right now. On America will fall the gigantic task of not only feeding her allies and herself, but also the famished peoples of Central Europe. America will have to release quantities of food to save starving Europe, in comparison with which past performances will seem small.

You, Home Gardeners of America, are in a more fortunate position to take care of yourselves and help others than any people elsewhere. Upon you will be made the greatest demand for economy in foods, and you are the ones who can meet that demand by becoming producers on a larger scale. To help you make your 1919 Victory Garden the greatest source of satisfaction all around, we propose to render you

Beckert's Special Victory Garden Service

We not only solicit your order for such seeds, bulbs, and plants as you may need to produce food, but also offer to help you all we can to make your patriotic endeavors productive of maximum results. Please feel at liberty to ask us any questions pertaining to soil, seeds, insect pests, or whatever may appear as a problem to you in connection with your Victory Garden. Put these problems up to us and rest assured that we will consider it just as great a privilege to help you solve them as it will be our pleasure to give you the best service in seeds, etc., which our forty years' experience has taught us to render correctly.

Yours for a bountiful Victory Garden,

Beckert's Seed Store





In a class by themselves—the first garden army of Uncle Sam to grow beans, peas, etc., on a large scale for a big hotel. We congratulate these charming members of the country's land army.

How the Boys and Girls of America Have Helped Win Victories and Can Help Further

When the President, nearly two years ago, called upon the people of the United States to help win the war by making home-gardens, a vast army of about a million new garden recruits came to the rescue. Many of these were boys and girls. Last year more than five million food-gardens were in cultivation, for which information we are obliged to the National War Garden Commission. Due to the broadmindedness and courtesy of its President, Mr. Charles Lathrop Pack, we are in a fortunate position to show in this catalogue a few of these war gardens, and, as you will see, the boys and girls of America played an important part in them.

Look at the row of soldiers of the soil above. These are perhaps the first girls in this country to start raising vegetables for a big hotel. They grew Beans, Peas, and Greens, and, in doing so, not only rendered the country and their community a valuable service but also improved their health. Look at the "bunch" of happy youngsters below. They are just bubbling over with merriment, excitement, and good health. They know that they are helping their Uncle Sam, and the fact that they are helping themselves to better health and sturdier constitutions is surely a great source of satisfaction to their parents.

The National War Garden Commission has decided to carry on this great and good work of interesting boys and girls in becoming soldiers of the soil. To help the work along, we have decided, for the first time this year, to offer a few

Special Collections of Vegetable and Flower Seeds of Special Interest to Girls and Boys

All the varieties in the different collections are dependable standards that are bound to make good in all sections and under widely varied conditions of soil and climate. Any boy or girl can take these seeds, put them in the ground, and raise a crop if he just tends the garden a little while each day. Go to it, boys and girls, and help America to make good at the tremendous task of feeding the world.

Beckert's "Beginner's Garden" Food-Garden Collection—Six Large Packets, 25 Cents Postpaid

Crosby's Egyptian Beet, Chantenay Carrot, Black-seeded Simpson Lettuce, White Bunch Onion, Crimson Globe Radish, White Milan Turnip.

Grow Some Flowers, Too

There is surely a little corner in your garden where you can grow a bright bunch of "posies" that would not only help you decorate your own home but also enable you to give some to your friends. Here is what we will mail for 25 cts. postpaid.

1 packet each of: Sweet Alyssum, Golden Wave Calliopsis, Mammoth-Early-flowering Cosmos (see back cover), Burbank's Crimson California Poppies, Beckert's Fancy Giant Mixed Nasturtiums, Finest Mixed Sweet Peas.

Beckert's "Victory Home Garden" Collection of Twelve Fine Vegetables for 50 Cents Postpaid

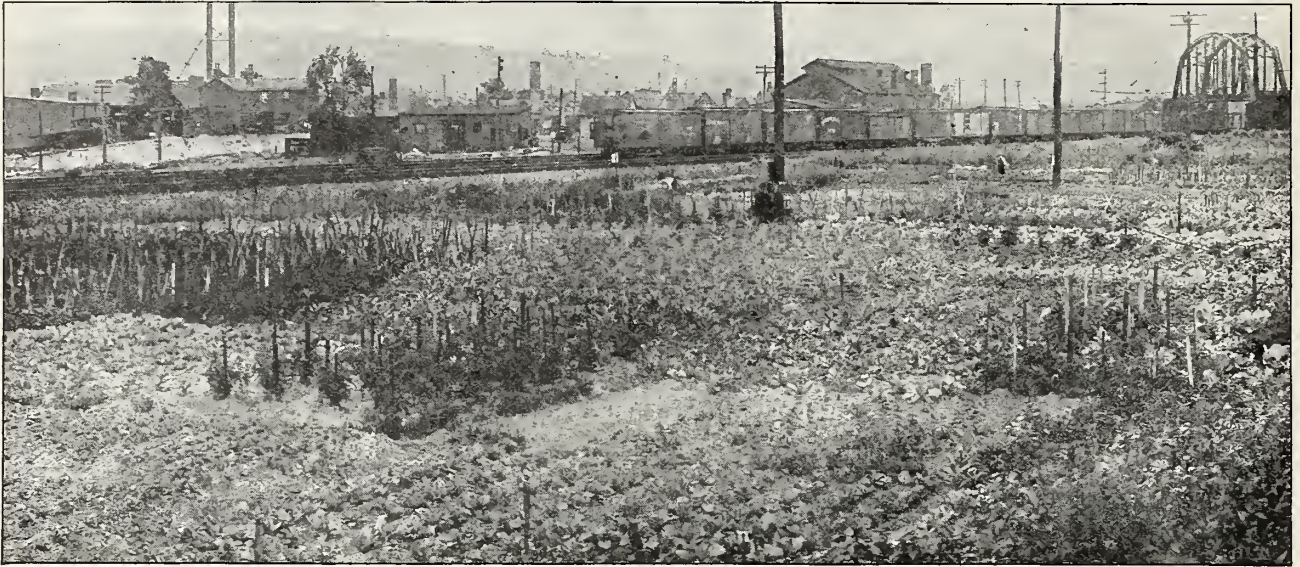
These should produce at least \$5 worth of vegetables on a piece of ground, size 15 x 20 feet. All are thoroughbred and dependable yielders.

Sure-Crop Wax Bush Beans, Crosby's Egyptian Beet, Silver-ribbed Spinach Beet, Danvers Half-Long Carrot, Early Fortune Cucumber, Black-seeded Simpson Lettuce, White Bunch Onion, Hollow-Crown Parsnip, Icicle Radish, Chartier Improved Radish, Bonny Best Tomato, White Milan Turnip.

Plant Tomato seeds in a box, as told on page 31. Leave room at north end of garden to set out Tomato plants by Decoration Day. Plant Spinach Beets next to Tomatoes; follow with Carrots, Beets, Lettuce, Parsnip, Onions, and Radishes. All should be planted at first sign of spring; Beans and Cucumbers not until cool nights are past.



Victory gardeners of Philadelphia's vast school-garden army.



Right up to the ballast beds the vegetables grow along the "Penny." While the wires carry victory messages overhead, the gardens speak volumes for the broadmindedness of the railroad managers and the enterprise of the workers

A Grateful Acknowledgment to America's Industrial Leaders

One of the most remarkable developments of the war-garden activities is the interest displayed by the heads of great industrial enterprises in the utilization of otherwise waste space about factory grounds. A still more interesting fact is that employers of labor are today the most enthusiastic advocates of home-gardening because they have found that gardening not only works as a great democratic humanizer but also as a stabilizer. Quite apart from the actual return in dollars and cents, the health of factory employees is so greatly improved by the outdoor exercise for which gardening calls that employers of labor everywhere are reluctant to see their men fall back in the old ways of idling away spare hours.

Among the foremost examples of industrial and community gardening, we cite with pleasure the efforts of the Eastman Kodak Company's employees; those of the American Rolling Mill Co., whose employees in the summer of 1918 raised more than \$50,000 worth of food; those of the Pennsylvania Railroad Co., which put at the disposal of its employees land along the right-of-way, as shown in the above illustration. These are just a few of the more prominent examples worthy of being cited, other corporations carrying on the work on a greater or lesser scale.

We congratulate all employers of labor on their enterprise and are willing to cooperate in every way to make their work an even greater success. Wherever industrial and community gardening is being practised, we shall, with pleasure, grant special prices on quantities of seeds, these seeds to be either shipped in bulk or put up in such packages as the management may desire.

With this invitation to write to us go the best wishes for your even more pronounced success in 1919.

An example of what we are prepared to do:

Beckert's "Community Garden" Vegetable Collection of Thirty Large Packets of Best Sorts for \$2 Postpaid



Chas. C. Cowgill, Esq., of the Armco Rolling Mills, says his men worked like veterans, and are going to make more Victory Gardens than ever.

Bean, Giant Stringless Green-pod. Bush.
 Bean, Sure-Crop Wax. Bush.
 Bean, King of the Garden. Pole Lima.
 Bean, Old Homestead. Green-podded Pole.
 Beet, Crosby's Egyptian.
 Beet, Beckert's Perfection.
 Cabbage, All Season.
 Carrot, Oxheart.
 Carrot, Danvers Half-Long.
 Celery, Magnificent.
 Cucumber, Early Fortune.
 Corn, Golden Bantam.
 Endive, Broad-leaved Escarolle.
 Herb, Dill.

Kohlrabi, White Vienna.
 Lettuce, Black-seeded Simpson.
 Lettuce, All Heart.
 Lettuce, Trianon Cos.
 Onion, White Bunch.
 Onion, Red Wethersfield.
 Parsley, Champion Moss Curled.
 Parsnip, Hollow-Crown.
 Peas, Prolific Market.
 Radish, Scarlet Globe.
 Radish, Beckert's Improved Chartier.
 Spinach Beet, White-ribbed.
 Squash, Boston Marrow.
 Tomato, Bonny Best.
 Turnip, White Milan.
 Turnip, Golden Ball.

We will supply these collections, in lots of 25 or more, at a slight discount to corporations or firms who wish to encourage their employees to make Victory Gardens. Sold singly, they represent a big \$2 value, and we cannot make any changes in the collections since they are put up in advance. We shall be glad to fix up other collections, in 100 lots, for specific sections and subject to specific requirements. Correspondence invited.

P.S. It would indeed be ungrateful if acknowledgment were not made here of the great work done by the National War Garden Commission to further gardening endeavors described above, and to thank Secretary Ridsdale, as well as Mr. Russell T. Edwards, the Director of Publicity of the National War Garden Commission, for facts, figures, and photographs put at our disposal.

Why You Should Grow More Root-Crops

In years gone by, root-crops formed a far more important part of people's diet than they do today. This is much to be regretted, not only because Beets, Carrots, Turnips, etc., are valuable in that they help to keep the human body in good order, but also because they afford a chance to put a most wholesome variation into our winter diet.

Beets, Carrots, Kohlrabi, Parsnips, Salsify, Rutabagas, etc., are all easily grown. It requires no expert knowledge to make a good garden of root-crops, because all have seeds that are coarse, of strongest vitality, and the seedlings thrive vigorously. The growing plants are not subject to attacks by insects, so that, everything considered, root-crops are among the easiest of all vegetables to grow and to take care of during the winter, since they may be stored in boxes or barrels with some sand.

Under the various headings, throughout the catalogue will be found additional cultural directions as to how to handle the different crops. And to encourage you to make a special root-crop garden, the products of which will help you live well next winter, we offer the following collection, containing sorts of proven reliability and dependable quality.

A Few Salad Suggestions

Because we are so strenuously advocating the growing of more crops that furnish solid food and that can be canned or stored, do not think that it would be wise to neglect the garden's delicacies. Lettuce, Endive, Chard, etc., are the tonics which prevent us from eating too much of the heavier foods. Several rows of them are needed in every garden. They can never be bought as fresh on the market as you can pick them in your own garden. Besides being easily grown, they occupy very little space, and even the smallest garden should have a Lettuce-row.

The beginner will do well to pin his faith to the looseleaf Lettuces, for instance, Black-seeded Simpson. The man with more experience will prefer Allheart Lettuce, as shown in picture below and described on page 22. Moss Curled Endive, as shown in the foreground below, is one of the easiest of all vegetables to grow and one of the most appetizing to eat, mixed with the milder Lettuce. Grow more salad plants—they are Nature's greatest tonic in the garden.

Make More Gardens, Grow More Food, and Here Is Why, as Expressed in a Recent Editorial in the New York Evening Sun:

In normal times before the war the imports of wheat and wheat flour by England, Holland, Italy, France, Germany, Belgium and Austria-Hungary amounted to over 414,000,000 bushels a year. Much of it came from Russia, some from Argentina and Australia, but most of it from North America. Of these importing nations Germany, France, Hungary, and to some extent England also produced a good deal of wheat at home. The war has inevitably decreased production in all these nations except England. They demand more wheat than ever from us, and when peace comes the needs of our enemies must also be met. No one intends to starve a defeated Germany. Thus the peace time demand will be enormous.

It will be accentuated, too, by the disorganization of Russia and the Balkans. It will be several years before full crops can be hoped for from those stricken nations. The food must be supplied by North and South America and Australia.

But even more serious than the instant call for food will be the demand for seed. Not one of these European nations can possibly have anything like seed grain enough to replant its own fields when war is over. They will ask it of us. Even Russia, Siberia, Rumania and Hungary will need to draw upon our seed supply.

Special "Root-Crop" Collection

6 Splendid Varieties for 25 Cents Postpaid

- Beet, Crosby's Improved
- Celeriac (Turnip-rooted Celery)
- Carrot, Danvers Half-long
- Kohlrabi, White Vienna
- Parsnip, Hollow Crown
- Turnip, White Milan

For complete descriptions of these splendid sorts, please consult their respective headings on the following pages.

P. S. Both the "Root-Crop" and "Salad" Collections would be fine for the children's garden. The vegetables shown here were grown by the little girl in her own war garden last year.



Vegetables you Can't Buy on market. You may, but they won't be like these in quality. Vegetables shown: foreground, Endive; in basket, head Lettuce; in background, Swiss Chard or Spinach Beet.

Beckert's Special Collection of Salads

6 Splendid Sorts, Large Packets, 25 Cents Postpaid

- Cress, Extra Curled
- Endive, Moss Curled
- Lettuce, Black-seeded Simpson
- Lettuce, Allheart Butterhead
- Chinese Cabbage, Pe-Tsai (Shown on page 7)
- Swiss Chard, Spinach Greens

All of these, excepting Swiss Chard, may be eaten raw or cooked. We think so much of the Spinach Greens, however, that we include it in this collection. A dozen well-developed plants, a foot apart in the row, will provide an abundance of tasty greens for a family of five from August until frost. The seeds in packets we supply will sow 30 feet of row.

A Few Particularly Worth-While Leaders In Vegetables for Your Victory Garden

Every square foot of soil in your garden can be made to yield maximum quantities of quality food with the help of the thoroughbred vegetables described below. There are no better kinds—if we have others as good, you find them offered on subsequent pages. No better or more dependable strains than ours can be bought elsewhere, regardless of price. The reputation, as reliable croppers, of every one of these kinds is based on remarkable performance records in all parts of the country. They are *not* novelties, but tested and proven specialties.

Beans, Full Measure

A well-named, round-podded, green, stringless bush Bean of extraordinary yielding power. The plants are thrifty and bear early, generally within sixty-five days after seeds are sown. Pods average 6 to 6½ inches long, vary from slightly curved to straight, are deeply saddle-backed, tender, and of finest quality—always. Bearing clusters of two to four pods, this sort is as fine a basket-filler as we know, comparing favorably with Bountiful and other good sorts described on page 10. **Pkt. 15 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.45.**

Beans, Sure-Crop Wax

Our customers will accuse us directly of being partial toward this sort, which we have fully described and illustrated on page 11. But nothing we can say will do justice to the superlative qualities and dependable characteristics of this remarkable sort. To use a familiar expression, it always "brings home the bacon" in the form of wonderful crops of fine pods. **Pkt. 15 cts., pt. 45 cts., qt. 90 cts., 2 qts. \$1.75.**

Sweet Corn, Beckert's Golden Evergreen

But slightly later than well-known Golden Bantam, this specialty of ours combines the standard of Golden Bantam *quality* with the *larger size* and longer "*fit-to-eat*" characteristics of Evergreen. Ears average 8 to 10 inches long, are ten- to twelve-rowed, and the quality is always top-notch. For full description, see page 18. **Pkt. 15c., pt. 35 cts., qt. 65 cts., 2 qts. \$1.25.**

Peas, Little Marvel

Truly a "Little Marvel" in every respect and a perfect jewel for the home-garden. Vines average 24 inches tall, and every vine carries almost uniformly eight handsome pods, 3 inches long, mostly in pairs. Pods are tightly filled with seven to eight large, dark green Peas of a flavor that puts "Little Marvel" in a class by itself. Matures 50 per cent of its pods in sixty days from date of planting. **Pkt. 15 cts., pt. 55 cts., qt. \$1, 2 qts. \$1.85.**

Peas, Marchioness.

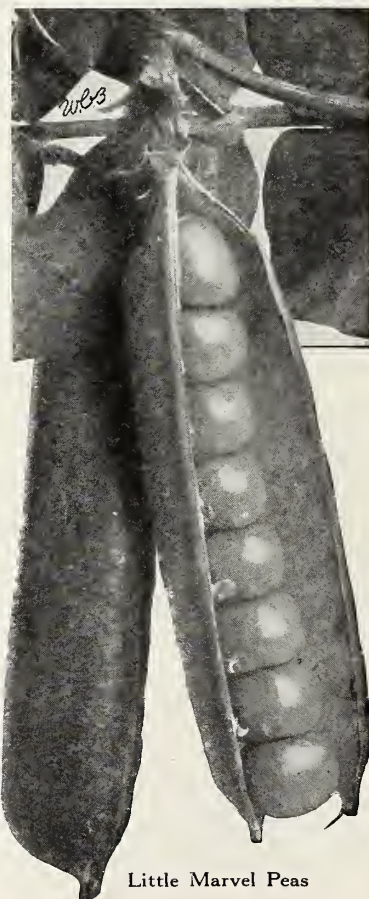
Slightly later in season of maturity than Little Marvel, this early sweet wrinkled Pea bears even larger pods, of handsome appearance, containing exceptionally large Peas of remarkably sweet quality. Vines of Marchioness grow about 4 feet tall, so some sort of trellis or brush should be provided to which the vines can cling. Ready for gathering in from eighty to eighty-five days after planting. **Pkt. 15 cts., pt. 55 cts., qt. \$1, 2 qts. \$1.85.**

Peas, World Record.

This is an exceptionally fine strain of the ever-popular Gradus, also well known as Dwarf Telephone or Prosperity in some sections. World Record is slightly earlier than Gradus, breaking all records by bearing 4-inch pods in eighty days after planting. The vines grow 45 to 50 inches tall, depending largely on soil and season. Planted early in April, World Record Peas will have yielded the bulk of the crop by middle of July, when the ground becomes available for other crops. Let World Record Peas help you make your Victory Garden profitable. **Pkt. 15 cts., pt. 55 cts., qt. \$1, 2 qts. \$1.85.**



Full Measure Beans



Little Marvel Peas

Chinese Cabbage (Pe-Tsai) or Celery Cabbage

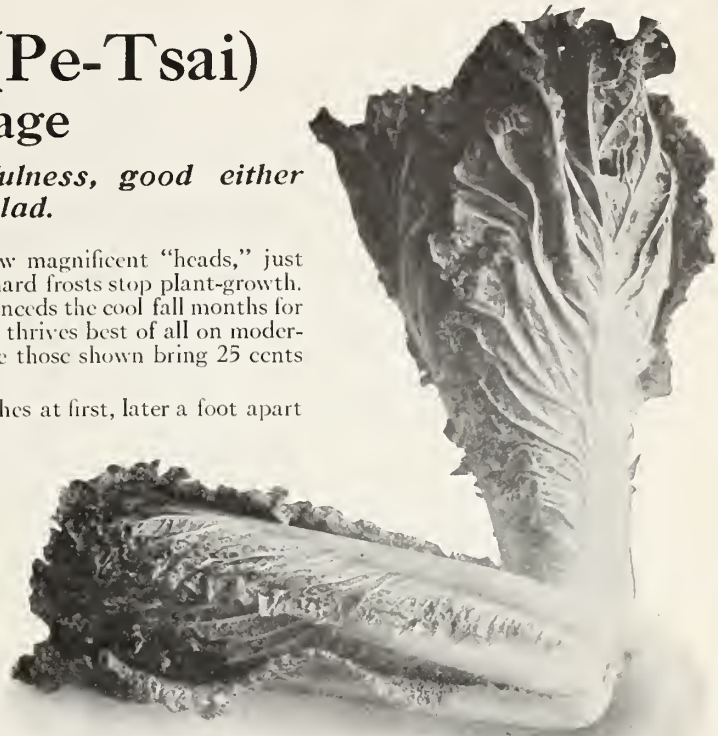
An exceptional vegetable of wide usefulness, good either cooked or served as a salad.

You—anybody with a small piece of ground—can grow magnificent “heads,” just like those here illustrated, between August 1 and the time hard frosts stop plant-growth. Chinese Cabbage will not “head” from spring-sown seeds. It needs the cool fall months for perfect development. It will do well in any soil, although it thrives best of all on moderately rich clay soil that holds the moisture well. Heads like those shown bring 25 cents in city markets.

Sow like lettuce and “thin out” seedlings to stand 6 inches at first, later a foot apart in row. The finished product may be eaten raw like celery or lettuce, or boiled like cabbage or greens. **Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.50, postpaid.**

Spinach, Frost-Resistant Munsterland

A distinct new sort from Holland, having deeply cut or lacinated foliage which offers the greatest resistance to frosts. For northern sections, where frost injures the ordinary kinds of Spinach, this sort should prove highly useful to home-gardeners and truckers alike, especially since it “stands” in perfect condition for a considerable period before “shooting” seed-stalks. **Pkt. 5 cts., oz. 15 cts., ¼ lb. 45 cts., postpaid.** (¼ lb. will sow 100 ft. of row.)



Pe-Tsai or Chinese Salad Cabbage—good raw or cooked—and you can grow it just like this!

Some Beautiful Flowers You Need to Make Your Garden Complete

A row or two of flowers should be in every garden. Those listed below give you a wide choice, from bedding flowers to climbers for the porch.



Unless there is a band of “posies” playing in your Garden, it is apt to fall short of ideal. Grow some flowers!

Two Easily Grown Sunflowers

New Wine and Primrose. A profusely branching hybrid variety, each branch terminating with a flower 4 to 5 inches across. Light primrose or creamy yellow in color, broadly zoned around the disk with wine-red. **Pkt. 10 cts., ¼ oz. 25 cts.**

New Red. Plants 5 to 7 feet high, well branched. Flowers from 4 to 7 inches in diameter, borne on long, slender stems. They also vary greatly in shade and coloring, some being red of a deep maroon shade, others red with gold-tipped frills, others, again, of different combinations of red and gold. If cut when opening and placed in water, they will last for a week. **Pkt. 10 cts., ¼ oz. 25 cts.**

Cosmos, Early-flowering, Mixed (See illustration on back cover)

Will furnish an abundance of long-stemmed cut-flowers from August until frost. White, Pink, and Crimson, each, **pkt. 10 cts., ¼ oz. 25 cts.; Mixed Colors, pkt. 10 cts., ¼ oz. 20 cts.**

Hollyhock, Newport Pink

Forms an attractive background. Fine, very double, pure pink variety exquisite in shade. **Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.**

Morning-Glory, Double Snow Fairy

The apex of the flower has the single trumpet-form of the ordinary Morning-Glory, and is more heavily surrounded by numerous white petals, thus combining both single and double flowers in one. Flowers pure white, about 2½ inches in depth and 2½ inches in diameter. A vigorous grower, blooming early, profusely, and continually until frost. **Pkt. 10 cts., oz. 30 cts.**

And, of course, you'll want some **Nasturtiums**, as offered on page 51, also some **Sweet Peas**, as described on pages 55 and 56. All of Beckert's Flower Seeds are thoroughly tested after they reach us from the world's best growers.



What your Victory Garden may yield by July 4, if you start with a Beckert Special Dollar Collection.

Beckert's "Victory Food Garden" Collection of Twenty Packets of Vegetables and Flowers For One Dollar Postpaid



In offering, for the first time, a **Complete Vegetable-Garden for One Dollar**, we are governed by the demands of the times. Beckert's "Victory" Dollar Collection will be welcomed especially by the customers who are not of a settled opinion as to what they should grow in their gardens for the biggest return in form of food-value. It will also be appreciated by the customer who is in doubt as to which kinds to grow. All the sorts included represent the choicest in their respective classes.

Beckert's "Victory" Dollar Collection represents, in a measure, our contribution to the cause of battling for **final victory** over General Hunger. We have made it an exceedingly liberal value, feeling that it will **prove** the merits of our seeds in your garden, so you'll "come back for more" another season.

Here's What the Collection Contains

One regular packet each (except Cauliflower, which is a 10-cent, half-sized packet) of the following 17 heavy yielding kinds:

Bean, Green-pod Full Measure	Chard, or Spinach Beet, White-ribbed	Parsley, Moss Curled
Bean, Sure-Crop Stringless Wax	Corn, Early Mayflower	Parsnip, Hollow Crow
Beet, Crosby's Egyptian	Endive, Green Curled	Peas, World Record
Cabbage, Enkhuizen Glory	Kale, Dwarf Green	Radish, Icicle
Carrot, Danvers Half-Long	Lettuce, Black-seeded Simpson	Tomato, Bonny Best
Cauliflower, Snowball	Onion, White Bunch	

TO INCREASE THE JOYS OF GARDEN-MAKING, we add, for good measure, a packet each of Cosmos, Nasturtiums, and Sweet Peas. Let these flowers brighten your garden and home.

NOTE—One reason why we offer this remarkable collection at so reasonable a price is that we put them up early in the season. Because of this we cannot make any changes in their makeup. But look what you get. With but slight variations, the picture above will give you an idea what you may gather from your garden by July 4, if you start your garden by the middle of April, with a "Victory" Dollar Collection.



Beckert's Superior Vegetable Seeds for Home and Market-Gardens

Seeds of Superior Quality and Strong Vitality

Our Vegetable Seed Department embraces nearly all varieties that are desirable or of known value, together with the more important of recent introductions. The list has been carefully selected, and the descriptions given are chiefly derived from our own experience and observation. We have endeavored to make them as accurate and helpful as possible, in order to aid the purchaser in making selections.

Artichoke

Sow early in spring and transplant the following spring to permanent beds in rows or hills 3 feet apart.
Large Green Globe. The best for general use. Flower-heads should be gathered as fast as formed, when they are tender and of fine flavor. **Pkt. 25 cts., oz. \$1.50.**

Plants, in April, \$1.75 per doz.

Jerusalem. Distinct from the above. Propagated from its tubers. Useful for the table and for stock. **Qt. 25 cts., pk. \$1.25, bus. \$4.** (Subject to market changes.)

Asparagus

A bed once properly made and planted will last for years. Plenty of fertilizer should be well trenched in to a depth of 2 feet or more. The roots should be planted as early in the spring as the ground can be prepared, setting them a foot apart in rows 2, 2½, or 3 feet apart, with the crowns from 4 to 6 inches below the surface of the bed. Asparagus seed may be sown directly in the permanent bed, and the plants thinned as they grow; or it may be sown elsewhere, and the seedlings transplanted the second year. An ounce of seed will sow 50 feet of drill and produce about 300 plants. Fair crops may be expected the third year from seed.

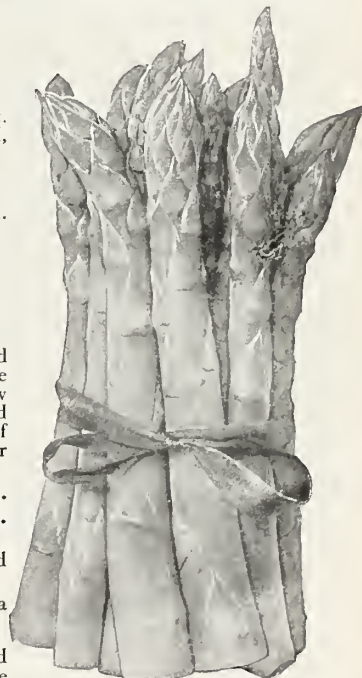
Giant Argenteuil. A French variety of mammoth size. **Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. \$1.**

Palmetto. Early; stalks fine in size and quality; regular in growth. **Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.**

Colossal. A desirable variety and one much grown. Very large; deep green; stalks tender and of good flavor. **Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts.**

Columbian Mammoth White. Stalks pure white. Of extra-fine quality and very tender, without a trace of stringiness; flavor is of the best. **Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.**

ASPARAGUS ROOTS. By planting Asparagus Roots instead of the seeds, much time can be saved in getting the shoots ready for table or market. Plant in spring, as early as possible. See Vegetable Plants, page 33.



Giant Argenteuil Asparagus

ASPARAGUS CULTURE, by F. M. Hexamer. 60 cts., postpaid

Beans

Beans should not be planted before the ground becomes light and warm, in favorable seasons usually about the first of May. The soil should be rich and mellow, and the seeds scattered about 3 inches apart in drills 2 to 2½ feet apart and covered about 2 inches deep. Successive sowings, made at intervals of about two weeks until the middle of July, will give a plentiful supply of Beans throughout the season. One quart of seed will sow 100 feet of drill.

Green-Podded Bush Beans

Improved Red Valentine. Pods round, thick, and solid; early, tender, and of fine flavor. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Black Valentine. Pods long, straight, round, and early; of good quality and a heavy yielder; rust-proof. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Bountiful (See illustration to left)

This is perhaps the finest all-round, flat-podded, green bush Bean in cultivation today. It surpasses in bearing qualities and as a reliable cropper most of the other varieties. It stands alone in its adaptability to widely varying climatic and soil conditions.

Bountiful is a true thoroughbred. It will bear loads of handsome pods, as shown in picture, within sixty days from date of planting, and we have known a 15-foot row to yield a bushel of pods from the time the plants started bearing until the first frost.

If there is any one Bean that deserves the title of "The Bean for the Victory Garden," it is Bountiful among the Green-pods and on opposite page you will find Sure-Crop Stringless Wax which is a fit mate to Bountiful among the Wax-podded varieties. Bountiful is absolutely stringless, always. **Pkt. 10 cts., pt. 45 cts., qt. 80 cts., 2 qts. \$1.55.**

Longfellow. Pods straight, round, pale green, and long. When cooked they retain their light green color and good flavor. Productive and medium early. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Giant Stringless Green-Pod

Slightly later in season than Stringless Green-Pod or Bountiful, but a most dependable yielder of handsome round-podded Beans which are fleshy and absolutely stringless at all stages of development. Both Giant Stringless Green-Pod and Stringless Green-Pod described next are particularly recommended for heavy clay soils. **Pkt. 10 cts., pt. 45 cts., qt. 80 cts., 2 qts. \$1.55.**

Stringless Green-Pod. Pods entirely stringless, very full and fleshy; remain crisp and tender until Beans are fully developed in the pod. Extra early and of finest quality. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Full Measure. Early, Stringless; pods round, tender, of excellent quality and borne very profusely. For additional facts about this excellent variety, see page 6. **Pkt. 15 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.45.**

Extra-Early Refugee. Earlier than the Refugee. Pods round, solid, tender; good quality. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Keeney's Stringless Refugee. Pods round, brittle, fleshy, and tender; perfectly stringless; very prolific; medium late. **Pkt. 10 cts., pt. 45 cts., qt. 80 cts., 2 qts. \$1.55.**

Refugee. Late. Pods round, tender, fleshy, and of fine flavor. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Varieties Grown for Dry Shell Beans

White Marrowfat. Grown for a dry Bean for winter use. **Pkt. 10c., pt. 35c., qt. 60c., 2 qts. \$1.15.**

White Kidney. Desirable for a shell Bean. Seeds large, white, kidney-shaped, and of excellent quality.

Pkt. 10 cts., pt. 35 cts., qt. 60 cts., 2 qts. \$1.15.

Dwarf Horticultural. Furnishes green-shelled Beans of fine quality. **Pkt. 10 cts., pt. 40 cts.,**

qt. 70 cts., 2 qts. \$1.35.

Snowflake, Navy. An improvement on the common Navy Bean; earlier and more productive. **Pkt. 10 cts., pt. 35 cts., qt. 60 cts., 2 qts. \$1.15.**



Parcel-post weight of Beans:
Pint, 1 lb.; quart, 2 lbs.

Bountiful Beans



Giant Stringless Green-Pod Beans

Yellow- or Wax-podded Bush Beans

The Best Flat-podded Kinds

Sure-Crop Stringless Wax (See illustration)

Perhaps the most thoroughbred flat-podded Wax Bean yet introduced. In its general characteristic of dependability it compares favorably with Bountiful among the green-podded varieties. It produces its handsome, 6-inch pods in from 60 to 65 days after seed is sown. The plants are hardy, rust- and blight-resistant. The pods are of rich yellow color, flat but thick through, perfectly stringless, and of finest quality. In our competitive trials Sure-Crop Stringless Wax has outyielded the old Wardwell's Kidney Wax two to one. While Wardwell's is the dependable standby with market-gardeners throughout the country today, we predict that Sure-Crop Stringless Wax will make many more friends, especially among home-gardeners. Our stock is extra fine, coming from the originator of this matchless variety. **Pkt. 15 cts., pt. 50 cts., qt. 90 cts., 2 qts. \$1.75.**

Wardwell's Kidney Wax. An excellent early variety which for years has been highly esteemed by market-growers as the standard of excellence for family trade. Its creamy yellow pods average 6 inches long, are broad, decidedly flat but brittle and stringless. Wardwell's Kidney Wax has proven its reliability under widely varying soil and weather conditions. It surely is a good Bean to pin your faith to. **Pkt. 10 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Currie's Rustproof. Rustproof. Pods long, flat, tender, and of good quality. Extra early. **Pkt. 10 cts., pt. 45 cts., qt. 80 cts., 2 qts. \$1.55.**

Davis Kidney Wax. Distinctly a market-gardener's variety and an excellent shipper. It is stringless while young. The exceedingly straight, handsome pods make it an excellent variety for marketing, and it bears them in good quantities. While young, the pods are of excellent flavor. This is one of the earliest Wax Beans in cultivation, but has only a short season of bearing. **Pkt. 10 cts., pt. 45 cts., qt. 80 cts., 2 qts. \$1.55.**

The Best Round-podded Sorts

Round-Pod Kidney or Brittle Wax

This we like to call a round-podded brother to Sure-Crop Stringless Wax, although in yielding qualities none of the round-podded varieties measure up to the standards of the flat-podded kinds. Brittle Wax is perhaps the handsomest of all round-podded Wax Beans and is surely of superlative quality.

It starts bearing 6-inch pods 60 days after planting the seed and continues to bear for the greater part of a month. On rich soil, plants make quite a vigorous growth and Beans should be dropped 5 to 6 inches apart, otherwise the plants will crowd each other in the row to such an extent as to injure the bearing possibilities. This holds good, more or less, in connection with all our best Bush Beans. Brittle Wax is perfectly stringless, even after it becomes old and overgrown. If you prefer a round-podded to a flat-podded Bean, you make no mistake in choosing Round-Pod Kidney or Brittle Wax for either home- or market-garden. **Pkt. 10 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Hardy Wax. A very prolific kind of unusual disease-resistance. It also stands cold, disagreeable weather better than most kinds, and for this reason may be planted a week or so sooner. Hardy Wax is as prolific as Brittle Wax described above, but the pods average shorter, though they are of a brighter yellow color. We consider Hardy Wax one of the most dependable round-podded sorts for the home-garden, especially in northern sections. **Pkt. 10 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Pencil-Pod Wax. The best strain of German Black Wax in cultivation today. It is hardy and very productive. The pods average 5 to 5½ inches long, varying from straight to slightly curved, are purely saddle-backed, and of excellent stringless quality at all stages. In productiveness it compares very favorably with both Hardy Wax and Brittle Wax. **Pkt. 10 cts., pt. 45 cts., qt. 80 cts., 2 qts. \$1.55.**

BY ALL MEANS GROW BEANS! Those that you do not use green may remain on the plants, to be picked when dry, as "Shell Beans." Withal, Beans are the easiest vegetables to grow and actually enrich the soil in nitrogen, while bearing the crop.



Sure-Crop Stringless Wax Beans
BEANS, PEAS AND CORN IN PACKETS
Mailed at catalogue prices



Round-Pod Kidney, or
Brittle Wax Beans. One
of the best in its class.

Bush Lima Beans

Like Pole Limas, these are very tender, and cannot be planted until the soil is quite warm and the weather is settled. Plant in rows 2 feet apart and 8 inches apart in the rows. Plant the eye downward. One quart will plant 100 feet of row.

Extra-Early Giant Bush Lima (See pod below.)

This new variety may be considered the earliest of all the large-podded Bush Limas. Bean of same size and of equally good quality as those of Giant Improved, described next, but it matures approximately 10 days earlier and is more prolific. A splendid acquisition. **Pkt. 15 cts., pt. 50 cts., qt. 95 cts., 2 qts. \$1.80.**

Giant Improved Bush Lima. This is superior to any of the older forms of Bush Lima. Plant very vigorous and upright, attaining a height of 30 inches and 24 inches across. Pods often borne in clusters of 5 to 8 and of enormous size. Beans are larger than those of any other variety, excepting the Extra-early Giant described above, and of the very best quality. Matures earlier than others; immensely productive. **Pkt. 15 cts., pt. 50 cts., qt. 95 cts., 2 qts. \$1.80.**

Fordhook Bush Lima. Both pods and Beans much larger than those of any other Potato Lima, of which type Fordhook is easily the most perfect to date. Habit of plant a strong, erect, bush-like growth. Pods borne in clusters of from 4 to 8, averaging 5 Beans to the pod. Exceedingly productive and of best quality. **Pkt. 15 cts., pt. 50 cts., qt. 95 cts., 2 qts. \$1.80.**

Quarter-Century, or Wonder Bush Lima. The best type of the ever-popular Burpee Bush Lima. Plants large, bushy, and vigorous, 18 to 20 inches high and as much across; yields heavy crops of large, well-filled pods, containing 3 or 4 Beans each, which in size and quality are equal to the older types of Pole Lima. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.45.**

Wood's Bush Lima. Larger than Henderson Bush Lima, as productive and of as good quality, but a little later. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.45.**

Pole or Running Beans

These and Bush Limas are less hardy than other Bush Beans, and should be planted several weeks later, when the ground is warmer. Plant the seeds in slightly raised hills, 5 or 6 feet apart, 4 or 5 seeds to a hill. The Limas are especially tender and the rule for late outside planting with them is rigid. Painstaking cultivators, who are usually the most successful, plant them eye downward, after setting stout poles for every hill. All sorts of late-ripening Pole Beans are benefited by pinching the tips of the vines back when they are about 5 feet high. Lima Beans are considered by many the very finest of all Beans, and there is nothing in the vegetable line that can take their place. A quart of Limas will plant about 100 hills; a quart of smaller sorts about 200.

Carpinteria Pole Lima

The Bean of this Lima has a green tint, retaining this color even when ripe. This indicates good quality. Pods generally contain 4 large Beans, which are thin-skinned, very tender and of fine flavor. Vines are strong and bear profusely. **Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

A GOOD BOOK HELPS to get your full measure of pleasure out of the garden. See page 37 for a select list of garden books.



Giant Improved Bush Lima Beans



Ideal Pole Lima Beans

Pole Lima Beans

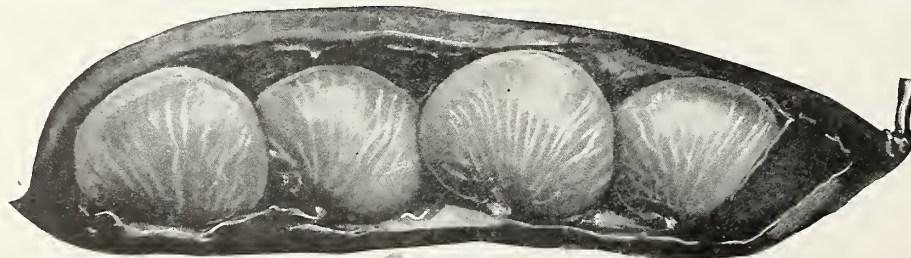
All Best Grade, Hand-Picked

King of the Garden. The vines set Beans early and bear until frost. Allow only 2 vines to a hill. Grows very strongly and is very prolific. **Pkt. 15 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Ideal. Pods produced in clusters and of enormous size. An immense cropper and quality of the best. Not extra early, but unsurpassed for a main-crop variety. **Pkt. 15 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.**

Early Leviathan. Not only earlier than any other, but exceptionally prolific and unsurpassed in quality, being tender and of fine flavor. Pods contain from 3 to 4 beans of good size. **Pkt. 10 cts., pt. 40 cts., qt. 70 cts., 2 qts. \$1.35.**

Sieva, Carolina, or Willow-Leaf Lima. Beans small, but of excellent quality. Very productive. **Pkt. 10 cts., pt. 40 cts., qt. 70 cts., 2 qts. \$1.35.**



Extra-Early Giant Bush Lima Bean

When in Doubt What to Grow

put your problem up to us. Our business is our pleasure, and it becomes a double pleasure when our customers ask special advice. Our lifelong experience in gardening and seeds is at your disposal always. Being practical gardeners ourselves, we appreciate both the difficulties and fascination of garden-making to the uninitiated. Let us help you become real enthusiasts, by freely asking our advice.

Edible-Podded Pole Beans

White-Seeded Kentucky Wonder or Burger's Green-Pod Stringless

Earlier than Old Homestead and remains longer in bearing. Pods 6 to 8 inches long, borne in clusters; dark green in color; very meaty and stringless. (See illustration.) Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.

Kentucky Wonder, or Old Homestead. Pods borne in clusters; deep green in color, perfectly round, and often 9 inches in length; tender, crisp, and of finest quality. Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.

Kentucky Wonder Wax. Has all the desirable qualities of Kentucky Wonder Green-Pod. Pods transparent yellow, stringless, and of delicious quality. The vines are very vigorous in growth and immensely productive. Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.45.

Dreer's Golden Cluster Wax. Bears long, flat, golden yellow pods in clusters and continues for a long time. Pods average 7 inches long by 1 inch wide. Pkt. 10 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.

Perfection White. This is one of the early-maturing, white-seeded varieties. Very desirable for snaps and unsurpassed for a green Shell Bean. Pods light green, 8 to 9 inches long, irregular in shape, and quite stringless. Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.40.

Lazy Wife. Very productive; pods green; 4 to 6 inches long; broad, thick, fleshy and entirely stringless; rich and tender. Pkt. 10 cts., pt. 40 cts., qt. 75 cts., 2 qts. \$1.45.

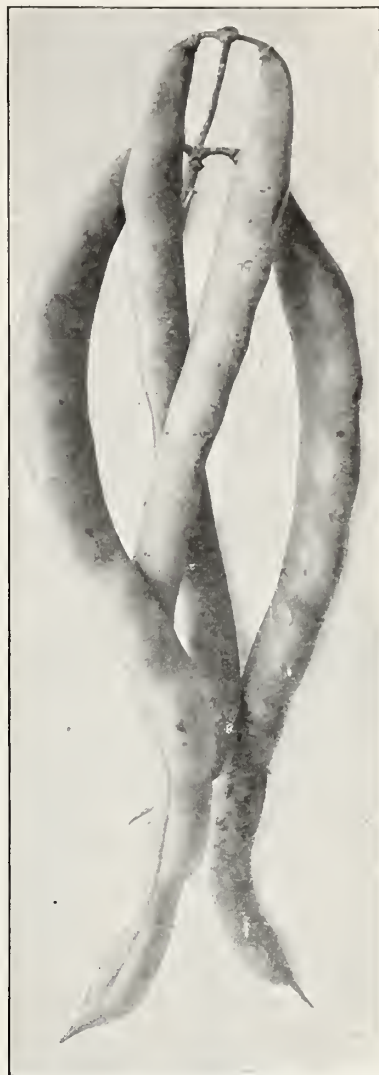
White Creaseback, or Best of All. Very productive, bearing in clusters; pods silvery green, medium size, best quality. Pkt. 10 cts., pt. 40 cts., qt. 70 cts., 2 qts. \$1.35.

Horticultural, or Speckled Cranberry Pole. Bears a profusion of large, fleshy pods; one of the best and finest-flavored Shell Beans. Particularly valuable for cool sections. Pkt. 10 cts., pt. 40 cts., qt. 70 cts., 2 qts. \$1.35.

Yard Long, or Cuban Asparagus Bean. Pods are round and glossy and attain 2 feet or more in length; the Beans are quite a curiosity and of fair quality while young. Pkt. 10 cts.

Scarlet Runner. Grown principally for its flowers; good as a Snap or Shell Bean. Pkt. 10 cts., pt. 35 cts., qt. 60 cts.

Parcel-post weight of Beans: Pint, 1 lb.; quart, 2 lbs.



Burger's Stringless Pole Beans, a wonderful bearer of stringless quality pods



Kentucky Wonder Wax Beans

Swiss Chard, or Spinach Beet

The remarkable demand on the part of our customers for this exceptionally meritorious vegetable proves to our satisfaction that it is finally receiving that degree of attention which its many valuable characteristics deserve. Swiss Chard is a type of Beet growing all tops. The tops consist of strong ribs or leaf-stalks which support the very large leafy portion of the plant. Cooked like Spinach Greens, the leafy portion of Swiss Chard is of most excellent flavor. The stalks are cooked in a similar fashion and served with a dressing as you would prepare asparagus. Thus Swiss Chard really gives you two vegetables in one. Plant the seeds the same as ordinary Beet seeds, but thin out plants to stand, first 6 inches, later on a foot apart.

Large Silver-ribbed Curled. (See illustration on page 5 where the little girl sits alongside of a row.) The yellowish green leaves of this variety vary from being perfectly smooth to slightly crinkled. Stalks and midribs white. Excellent quality. Pkt. 5 cts., oz. 20 cts., 1/4 lb. 70 cts., lb. \$2.50.

Lucullus. (See illustration alongside.) The leaves of this variety are attractively crinkled and curled, as shown in specimen plant. Stalks grow about 2 feet tall and furnish immense quantities of tasty greens. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.75.



Swiss Chard—Lucullus



This Trade-Mark Stands for a Square Deal in Quality Seeds

For 40 years our sole effort has been toward producing seeds of a vitality and purity that would measure up to the requirements of the most exacting. We have succeeded, in a measure, in gaining the confidence of the most critical home and market-gardeners in many parts of the country, but we are not satisfied. We feel that there are thousands of others that would be benefited by planting our seeds in their 1919 Victory Gardens. This is a poor time to take chances with doubtful seeds, because food crops produced now are worth ever so much more to us as a nation than they ever have been. You will make no mistake in pinning your faith to Beckert's Quality Seeds.

Best Garden Beets

The soil best suited for the Beet is a deep, light, and rich, friable loam. For very early crops, the seed is sown in hotbeds, and the seedlings are transplanted to the open ground. For main crop, the seed is sown outside as soon as the soil is in good condition, in drills from 12 to 15 inches apart, and covered about an inch deep; the plants are thinned to stand 4 to 5 inches apart in rows. For winter crops, sow in June, in drills, as for early Beets. An ounce will sow 50 feet of drill; five to six pounds to an acre.

Beckert's Perfection Blood Turnip

Not early, but admirably adapted for main crop and for winter storage. The Beet is almost a perfect globe-shape, with small tap-root; its tendency is to grow only to medium size. Flesh dark crimson and remains tender and brittle after a season's growth. **Pkt. 10c., oz. 25 cts., 1/4lb. 85 cts., lb. \$3.**



Crosby's Improved. Select stock. An improved Egyptian its roots are thicker, smoother, and of better shape. For a perfect succession of tender Beets, plant this for early, Detroit to follow, and Beckert's Perfect Blood for late. **Pkts. 5 cts. and 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$2.**

Detroit Blood Turnip. Roots globular or ovoid; flesh dark red and tender; foliage small. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.**

Eclipse. Although one of the oldest varieties in cultivation, this is also one of the most dependable. Within sixty days after seeds are sown, you may gather handsome top-shaped roots, 2 to 2 1/2 inches in diameter. Though the flesh is rather light in color it will be found exceptionally sweet and of tender quality. **Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$2.**

Electric. Early; semi-globular and uniform; smooth skin; flesh deep red, tender and fine-grained. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 85 cts., lb. \$3.**

Egyptian. An early sort. Can be planted very closely; medium in size and dark crimson. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.**

Crimson Globe. Midseason sort. Roots smooth and handsome; flesh and skin deep red; of best quality. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.**

Stock Beets or Mangel Wurzels

Grown for stock-feeding, they form very wholesome and nutritious food. The Giant Half Sugar particularly is of special value for feeding to cows, as they greatly increase the flow of milk. The seeds should be dropped about 2 inches apart, in drills 2 feet apart, and the plants thinned so that there will be 12 to 16 inches between them. From five to eight pounds of seed are required to sow an acre.

Giant Long Red Mangel. Heavy cropper; roots long and thick. **Oz. 15 cts., 1/4lb. 40 cts., lb. \$1.40.**

Giant Yellow Intermediate. Roots oval-shaped; enormous yielder **Oz. 15 cts., 1/4lb. 40 cts., lb. \$1.40.**

Golden Tankard. Has large roots; flesh bright yellow. **Oz. 15 cts., 1/4lb. 40 cts., lb. \$1.40.**

Giant Half-Sugar. Rich in sugar, with close-grained flesh, and more nutritious than others. Roots bronze-green above ground and grayish white below. Very productive. **Oz. 15 cts., 1/4lb. 40 cts., lb. \$1.40.**

Besides Good Seeds You Need Good Tools

The Barker Cultivator, as illustrated at work on front cover of catalogue, is one of the most effective weed-destroyers we know. For description see second cover page. Model No. 8 1/2 D, as shown, will weed and mulch, in one operation, a strip 8 1/2 inches wide. **Price \$8.25, f. o. b. Pittsburgh.**



Crosby's
Improved Beets

One of the best all-round for both home and market-gardens. Our strain is extra choice.



Giant Long
Red Mangel

Brussels Sprouts

The seed should be sown in April or May, and the plants cultivated like cabbage; the heads are improved by frost. An ounce of seed will produce 2,000 plants.

Amagar Market. Plants of very vigorous growth, about 3 feet in height; stalks large, thick, and close-jointed, the Sprouts set quite thickly on the stalk, and are developed very uniformly. **Pkt. 10 cts., oz. 60 cts.**

Paris Half Dwarf. The best known and most widely adapted. **Pkt. 10 cts., oz. 55 cts.**



Brussels Sprouts are a great delicacy. They are the finest-flavored of the whole Cabbage family. They generally cost 25 cts. a quart on market and you can grow two quarts on every plant. A fifteen foot row of these should be grown in every garden.

Broccoli

Requires the same treatment as Cauliflower. The heads are tender, white, and of delicate flavor. An ounce of seed will produce about 2,000 plants.

White Cape. Creamy white; medium, compact; sure to form; delicate flavor. **Pkt. 10 cts., oz. \$1.50.**

Cabbage

Seed sown in hotbed or greenhouse about February 15 will give plants large enough to transplant into hotbeds about March 10. Set them 2 to 3 inches apart each way, and as soon as they become well established, remove the glass for part of the day, to harden them for final transplanting into the open ground, increasing the exposure daily until April 10 to 20, when the final transplanting may be made. For late crops, sow the seed in April or May and transplant to the open ground when large enough, setting the plants up to the first leaf and 2 to 3 feet apart. It is important that the plants should not stand thick in the seed-beds, as this would induce weak, slender plants. The insects which molest them should be kept in check with remedies which seem most efficacious in the locality. There is a tendency to club-root if Cabbage is grown on the same ground year after year.

Note. The crop of American-grown Cabbage seed was a dismal failure and European importations are still a very uncertain factor. If interested in more than an ounce, write us.

Extra-Early Round-Headed Cabbage, Copenhagen Market

This splendid sort from Denmark has, within a period of ten years, reached a greater popularity than any other variety on record. It compares favorably in many respects with Enkhuizen Glory, but is, perhaps, of slightly finer texture. Copenhagen Market prefers sections offering an abundance of moisture. It does particularly well throughout the eastern part of this country and along river-bottoms. Heads weighing 8 to 10 pounds may be cut within 100 to 110 days after seed is sown. **Pkt. 10 cts., oz. 75 cts.**

Enkhuizen Glory. We have closely studied this remarkable extra-early sort for more than ten years, and we have yet to find a person who has anything but praise for it. Combines earliness, size, and quality in an extraordinary degree. Within 100 to 110 days after seed is sown, you may go out into your garden and cut fine heads, 10 to 12 inches in diameter, weighing 8 to 10 pounds each. Enkhuizen Glory makes a very compact growth, so that, planted from 18 to 20 inches apart in the row, on rich soil, it will outyield every other extra-early sort except Copenhagen Market described above. It does particularly well on the cool, moist, clay uplands of Pennsylvania and New York states. Since crops of this splendid sort are exceedingly short this year, those who want it should order early. **Pkt. 10 cts., oz. \$1.**

Early Allhead. Leading early summer Cabbage. Very solid and grows uniform in size and form; sure-heading and adaptable to many soils—a point much in its favor; it has also proved equally good as a winter Cabbage. Since the plants are of exceptionally compact growth, as many as 1000 extra heads per acre may be gathered, where close planting is practised. **Pkt. 10 cts., oz. \$1.**

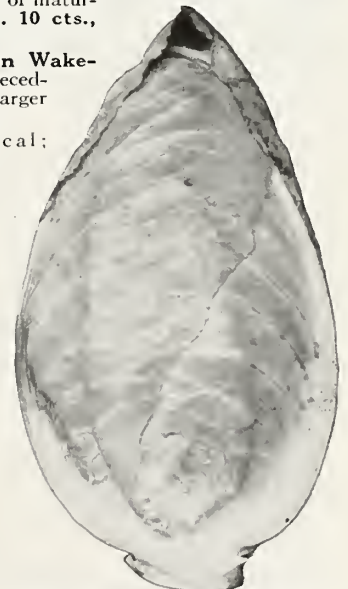
Early Pointed-Headed Varieties

Early Express, or Lightning. Very early; small, conical heads. **Pkt. 10 cts., oz. 75 cts.**

Extra-Early Jersey Wakefield. One of the leading early sorts, equally popular for home use or market. Heads of medium size, pyramidal, pointed (see illustration below), firm and solid, with few outside leaves; uniform in size and time of maturing, and of good quality. **Pkt. 10 cts., oz. 75 cts.**

Large Jersey, or Charleston Wakefield. A selection from the preceding, and 10 days later, with larger heads. **Pkt. 10 cts., oz. 75 cts.**

Winnigstadt. Heads conical; medium early; good size and fine quality. **Pkt. 10 cts., oz. 75 cts.**



Early Jersey Wakefield Cabbage



Copenhagen Market—just as it grew in our trial-grounds

CABBAGE, continued (See Special Note on page 15)

Midseason and Late Varieties

Early Summer. Heads large, solid, roundish, flat; stands a long while after maturity without bursting. Pkt. 10 cts., oz. \$1.

All-Season, or Succession. Almost as early as Early Summer; heads larger and thick; good for early and late crop. Pkt. 10 cts., oz. 75 cts.

Danish Ballhead, or Roundhead. Heads of medium size, round, and very solid; matures late, and is a splendid keeper. Pkt. 10 cts., oz. 75 cts.

Danish Short-Stem Roundhead. Early and short-stemmed; heads large and heavy; withstands severe droughts. Pkt. 10 cts., oz. 75 cts.

Short-Stem Drumhead. Of uniform and dwarf growth. Heads very solid and attaining a weight of 20 to 25 pounds. Pkt. 10 cts., oz. 75 cts.

Select Large Late Flat Dutch. More extensively grown for main crops than any other sort. Large, broad, roundish flat; solid; good keeping quality. Pkt. 10c., oz. 75c.

Surehead. One of the finest of the Flat Dutch type, uniform in shape and size, solid and heavy. Pkt. 10 cts., oz. 85 cts.

Perfection Drumhead Savoy. Heads large and solid, with finely curled leaves of delicate flavor; a good keeper. Pkt. 10 cts., oz. 75 cts.

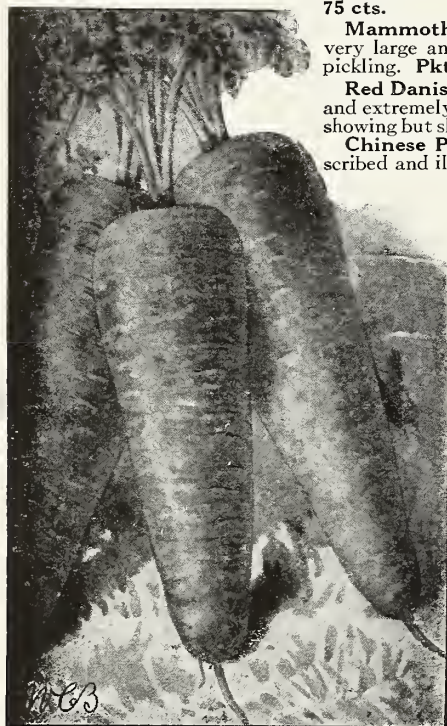
Mammoth Rock Red. A select late strain with very large and solid heads. Favorite Cabbage for pickling. Pkt. 10 cts., oz. 75 cts.

Red Danish Stonehead. Heads perfectly round and extremely solid; large in size; deep purplish red, showing but slight traces of white. Pkt. 10c., oz. 75c.

Chinese Pe-Tsai (Celery Cabbage). Fully described and illustrated on page 7.



Danish Ballhead Cabbage



Half-Long Luc Carrots

Carrots

Carrots succeed best on heavy loam, which preferably should have been well fertilized the previous year, as fresh manure often causes the roots to grow pronged and misshapen. Sow the seed early in spring, firming the soil down over it. An ounce of seed will sow 100 feet of drill; four pounds will sow an acre.

French Forcing. Roots almost globular, orange-red color; tops very small. For forcing or for early outdoors. Pkts. 5 cts. and 10 cts., oz. 30 cts.

Early Scarlet Horn. For early crops. Roots are about 3 inches long, orange-red, and of very good quality. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Guerande, or Oxheart. Thick and very blunt-rooted; 5 inches long; deep red; tender, fine flavor and a heavy cropper. Fine market sort. Pkts. 5c. and 10c., oz. 25c., 1/4lb. 75c.

Chantenay, or Model. Handsome roots; deep orange-red; broad-shouldered, smooth and more uniform than the Danvers; of superior flavor and very tender. Produces large crops. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Danvers Half-Long. The roots are smooth, thick, and intermediate between Short Horn and Long Orange in form; orange-red. Pkts. 5c. and 10c., oz. 20 cts., 1/4lb. 60 cts.

Rubicon. A "glorified" Danvers, being thicker through and of a richer color. Great favorite in some markets. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Half-Long Luc. One of our leaders! A very symmetrical, half-long, stump-rooted variety; deep orange-red; early, very productive, of fine quality. Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.10.

Half-Long Nantes. Roots cylindrical, smooth, and blunt-pointed; flesh orange-red, mild, and nearly coreless. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Half-Long Pointed Rooted. A dependable midseason sort. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Half-Long Stump-Rooted. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

St. Valery Intermediate. Thick-shouldered; flesh rich orange-red and of finest quality. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Improved Long Orange. Extensively grown; good and heavy in yield. Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.

White Belgian. For stock-feeding. Pkts. 5 cts., oz. 15 cts., 1/4lb. 40 cts., lb. \$1.25.

Cauliflower

How to Grow Fine Cauliflower. Give extra care in applying fertilizers and moisture. Sow the seeds for early and late crops, as directed for cabbage, but do not set the early plants in the open field too soon, for if injured by severe frosts, they form stunted heads. Plants which have not headed before winter sets in may be stored in a cool cellar or coldframe. An ounce of seed will produce about 1,500 plants.

Beckert's Early Snowball. Produces large, handsome white heads, 8 to 10 inches across; close, compact, and of the finest quality; stalks short, of compact growth; equally good for a late crop; can be planted closely; extra early, a certain header. Unsurpassed by any strain offered. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

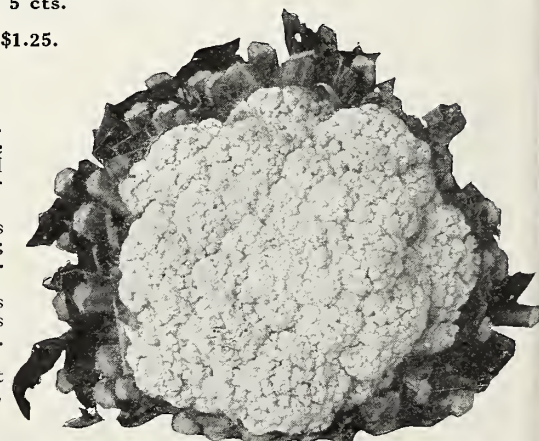
Perfection. A new and distinct variety that is as early as Snowball and produces equally perfect a head. Has long leaves that grow straight up, with the inner leaves twisted and whorled, which naturally protects the head from the sun to a great extent. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Danish Giant, or Dry Weather. Similar to Snowball in size, quality, etc., but matures about one week later, and is a better drought- and heat-resister. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Extra-Early Paris. Firm, white heads. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.

Algiers. Late, sure-heading. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.

Veitch's Autumn Giant. White, large, firm heads. Pkt. 10c., 1/4oz. 35c., oz. \$1.



Beckert's Early Snowball Cauliflower



Golden Self-blanching Celery

Fordhook Emperor. A valuable new and distinct variety for winter use. Dwarf in habit, attaining a height of 15 to 18 inches. Stalks smooth and thick. Color white with heart tinged yellow. Quality the finest. **Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.50.**

Giant Pascal. The stalks are broad, thick, and about 2 feet high; blanches quickly; rich, nutty flavor; tender, crisp, and stringless. An excellent market Celery. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

Columbia. Excellent early variety. Of medium height and stocky. Stalks thick and rich yellow when blanched. **Pkt. 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Dwarf Golden Heart. A stocky sort, blanching to a beautiful golden yellow. Keeps as well as the best and is of superb quality. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.**

Winter Queen. Of medium height and strong, robust growth; stalks thick and heavy, with numerous hearts; perfectly solid, rich and of delicious nutty flavor; a fine winter keeper. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

Standard Bearer. A splendid red variety of compact and sturdy habit, robust growth and superior quality. **Pkt. 10 cts., oz. 75 cts.**

Make a Bigger Garden Than Ever is Advice of Men Who Know the Food Situation

America's home-gardeners face another year during which their efforts will be watched keenly by the hungry masses of Europe. Fortunately we are, indeed, to have the seeds and the soil. So, let us be thankful and make gardens!



Chicory

Sow early in spring, in good, mellow soil, in drills 1/2 inch deep and 12 inches apart.

Large-rooted Magdeburg. The leaves when blanched make an excellent salad; it is also mixed with or used as a substitute for coffee. **Pkt. 5 cts., oz. 25 cts., 1/4lb. 75 cts.**

Brussels, Witloof, or French Endive

(See illustration)

Remarkable for the width of its leaves and great size of its ribs and stalks. Grown in trenches or under glass, produces in winter the well-known vegetable and salad called "French Endive." It is grown in the field in rows about 1 foot apart, then taken up in the fall and trenched or grown under glass, when it will grow out and bleach in 5 to 6 weeks. **Pkt. 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Witloof Chicory

Celery

Celery can be grown in any garden soil, but the finest is produced in deep, mellow bottomland. Seed for early crops should be sown in hotbeds about March 15. The plants may be either thinned to give them room to grow, or transplanted to another bed to grow until it is time to plant them in the open ground. For main crop, seed should be sown in the open as soon as the soil and air are warm enough. They should be covered lightly, and firmly pressed into the earth with a board, if the soil is fine and mellow. The seed-bed must be kept free from weeds, and well watered in dry weather. When the plants are large enough, transplant them to shallow trenches or furrows, from 4 to 6 feet apart, according to the variety grown, setting the plants 6 inches apart in the rows and pressing the soil firmly around them. Blanching consists of drawing earth up to the stalks at intervals of about two weeks, until all but the tops of the plants are covered. Celery may be kept for winter use in cellars, or in deep, narrow trenches, in a dry situation; the latter must be covered with boards, with sufficient soil and manure on top to keep out the frost, leaving openings at short distances for ventilation in mild weather. An ounce of seed will produce about 2,000 plants.

Golden Self-blanching. *French-grown. Originator's stock.* Stalks of the Golden Self-blanching are a beautiful golden yellow. Plants semi-dwarf and vigorous, with large, ribbed and rounded stalks which are quite crisp and tender. **Pkt. 15 cts., oz. \$1.25, 1/4lb. \$4.50.**

White Plume. Easily blanched, and one of the very handsomest sorts grown. In large plants the stalks, hearts, and inner leaves become white without any blanching. **Pkts. 5 cts. and 10 cts., oz. 50 cts., 1/4lb. \$1.50.**

Easy-blanching. Thick, broad stalks; shallow ribs. Tender, brittle, and very easily blanched. **Pkts. 5 cts. and 10 cts., oz. 75 cts.**

Beckert's Perfection Winter

Grows to good size; very brittle, and white. For solidity, crispness, and fine, nutty flavor it is unsurpassed; its most valuable recommendation to growers is its remarkable keeping quality, as it can be kept until spring. **Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.50.**

Magnificent (See illustration)

Of the very finest quality. A very popular golden dwarf type of past years, recommended for a late fall and winter crop, being unexcelled as a long keeper. Of medium height and strong and robust growth. Very full-hearted, crisp, and solid, and when blanched it is of a golden yellow. **Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.50.**

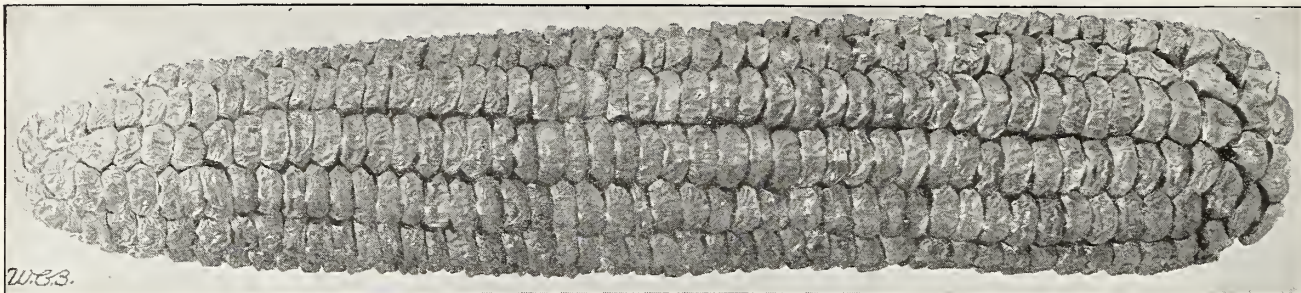


Magnificent in both appearance and quality

Celeriac, or Turnip-rooted Celery

Sow in early spring; transplant the seedlings in May. They will be ready for cooking in October, and may be preserved in dry sand for use during winter. Celeriac is said to be as fine a nerve-tonic as celery, and can be grown in many sections where celery-culture is practically impossible. The roots have almost the same flavor as white celery stalks, while they keep much longer than celery. They are simply delicious, served cold, as a salad, after being boiled. An ounce of seed will produce about 2,000 plants.

Prague Giant. Roots are very large. When young, they are quite tender and marrow-like, having a very fine flavor and cooking quickly. **Pkts. 5 cts. and 10 cts., oz. 40 cts.**

Beckert's Golden Evergreen Corn ($\frac{3}{4}$ natural size)

Corn, Sweet or Sugar

This delicious vegetable may be enjoyed from early summer until frost, if the proper varieties are selected and planted for succession at intervals of every 2 weeks until the middle of July. If the seed is planted too early, before the ground becomes warm, it is liable to decay. Plant in hills 3 to 4 feet apart each way, 5 or 6 kernels to a hill, or in rows 4 to 5 feet apart, scattering the seeds thinly in the rows. The taller-growing the variety, the richer should be the soil and the wider the space allowed for development. One quart will plant 200 hills. Time of maturity from planting the seed until the ears are fit for the table, as here given, is only approximate and for a normal season, varying in different seasons and under different conditions. Parcel-post weight of Sweet Corn: Pint 12 ozs.; quart, 24 ozs.

Beckert's Golden Evergreen. It is a cross of Golden Bantam and White Evergreen, and combines the deliciously sweet flavor of Golden Bantam and the evergreen habit of White Evergreen. It is ready for the table about 5 days after Golden Bantam, but the ears are much longer, being intermediate in size between those of its parents. The stalks are strong, about 6 feet high, and generally produce 2 good ears, 8 to 10 inches long, of deep sugary grains. Usually 12-rowed, but at times 14-rowed. It is a true Evergreen; the ears remain green and edible for more than 2 weeks from any planting and remain in the roasting-ear stage for more than a month from late plantings. The habit has been so well fixed by 8 years' careful selection that only from early plantings will seed become sufficiently matured before frost. The husk on the ears is abundant to protect the ears from corn-worm and smut, and this variety has never been affected by either. It combines all good qualities of an early, midseason, and late variety. Hardy in the seed, it may be planted early; having a strong root-system, it is drought-resistant to a large extent. If planted about July 4, the best roasting ears of the season may be gathered from the middle of September until killing frost late in October. Pkt. 15 cts., pt. 35 cts., qt. 65 cts., 2 qts. \$1.25.

Other Choice Yellow Kinds

Golden Bantam. 80 days. The standard of quality by which other kinds are measured. Does well in all soils and many climates. Ears small; grains golden yellow. Very productive. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Golden Cream. 85 days. Kernels, ear and cob are like Country Gentleman, while the flavor is equal to that of Golden Bantam. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Goldenrod. 90 days. For the most part a long-eared and 10-rowed variety. Quite productive, nicely flavored, and golden yellow in color. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

The Earliest White Sorts

Adam's Extra Early. This is not a true Sweet Corn, being hard and flinty when dry. However, it is valuable for northern sections. Pkt. 10 cts., pt. 25 cts., qt. 40 cts., 2 qts. 75 cts.

Pocahontas. 58 days. Probably the earliest Sweet Corn. Quality very fair. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Early Mayflower. 60 days. Earlier than White Cory and of same size. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Premo. 60 days. One of the earliest; ears of good size for so early a variety; quality good. Pkt. 10c., pt. 25 cts., qt. 50 cts., 2 qts. 95c.



Early Fordhook. A splendid extra-early sort, being one of the largest of all the extra-earlies. Ears generally 8-rowed. Both grains and cob are pure white. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.

White Cory. 60 days. Early; ears 6 to 7 inches long; of good quality. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.

Mayflower No. 2. 65 days. This variety is 8-, 10-, and 12-rowed. Ears quite large; kernels broad; quality excellent.

Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Howling Mob. 75 days. Ears are very attractive; finest quality. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

White Midseason Sorts

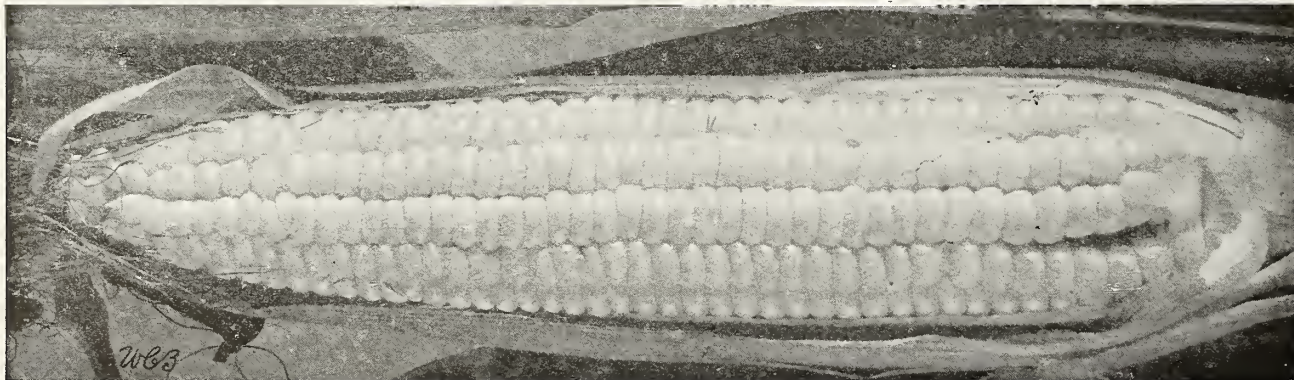
Early Champion. 75 days. Ears large; 10- or 12-rowed; quality excellent. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.

Columbus Market. One of the best 12-rowed midseason varieties. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.

Metropolitan. 70 days. Ears 9 inches long and 10- and 12-rowed; tender, of excellent quality. Pkt. 10c., pt. 25c., qt. 45c., 2 qts. 85c.

Kendel's Early Giant. 75 days. A week later than Cory but larger. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.

Black Mexican. Greatly valued in some sections because of its unique, almost "musky" flavor. Must be picked before the kernels begin to show color. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.



Early Mayflower Corn

Sweet Corn, continued

The Evergreen Sorts

Early Evergreen. 90 days. Similar to Evergreen, but earlier. Quality best. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Stowell's Evergreen. Grown more than any other sort. Ears large, with deep, sugary grains; remains fit for use a long time. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.

White Evergreen (See illustration)

Unquestionably the finest strain of ever-popular Stowell's in cultivation today. White Evergreen surpasses Stowell's in uniformity of ear, while its individual kernels are considerably deeper than those of Stowell's. Withal, it is of extraordinary quality for so late and large a sort. Pkt. 10 cts., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Country Gentleman. 95 days. The ears of this popular variety are of good size and are well filled with deep, white grains of delicious quality. Cobs small. Pkt. 10c., pt. 30 cts., qt. 50 cts., 2 qts. 95 cts.

Early Mammoth. 95 days. Earlier than Late Mammoth; ears as long, but more tapering; tender and of fine flavor. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.

Late Mammoth. A large-eared late variety, maturing after Evergreen. Ears thick, with many rows of broad grains of excellent quality. Pkt. 10 cts., pt. 25 cts., qt. 45 cts., 2 qts. 85 cts.



White Evergreen Sweet Corn

Cress

Excellent spicy spring salads. Pepper Grass should be sown thickly in shallow drills in early spring, and at intervals for continued supply, as it soon runs to seed.

Extra-Curled, or Pepper Grass. Of pleasant, pungent flavor; the leaves can be cut several times. Pkt. 5 cts., oz. 10 cts., 1/4lb. 25c.

Water Cress. Small, oval leaves; very tender, crisp and pleasantly spicy when young. Plants of prostrate habit. A perennial aquatic, which grows well in any running stream. Pkt. 10c., oz. 50c., 1/4lb. \$1.50.

Cucumbers

The seed should not be planted in the open ground before the weather has become warm and settled, and the ground mellow and light. Plant the seeds in well-enriched hills about 4 feet apart each way, and, as soon as all danger from insects is over, thin the plants to leave 4 of the strongest in each hill. For succession, sow at intervals of every 2 weeks until midsummer. Extra-early crops are grown by planting the seed in hotbeds in April, upon pieces of sod turned upside down, and removing them to hills in open ground as soon as the weather is warm enough. For pickles, sow seed from the middle of June until the middle of July. The vines bear longer if the fruits are gathered as soon as they are large enough; their strength is soon exhausted by ripening fruits. An ounce of seed will plant 100 hills; 2 pounds will plant an acre.

White Spine Varieties

Davis Perfect. Fruit long and slim; color rich, dark glossy green, retaining this color until nearly ripe; flesh tender, crisp, and of fine flavor. Very early and a fine forcer. A splendid market variety. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Early Fortune. (See illustration.) Fruit very dark green, cylindrical in shape, and about 7 inches long. Flesh thick, fine-grained, crisp, and of fine quality. Early and very productive. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Forcing White Spine. A selected strain of White Spine. Fruits large, green, medium thick; holds its color well. Pkt. 10c., oz. 75 cts.

Arlington, or Improved White Spine. Very prolific and early; fruit large and smooth, much used for forcing, but equally desirable for outdoor culture. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Fordhook Famous. Fruits long, smooth, and dark green; very productive. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Extra-Long, or Evergreen White Spine. Smooth, dark green, attaining a length of 10 to 12 inches; regular in form and size. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Other Splendid Sorts

Cool and Crisp. Fruit long and cylindrical; dark green; early and productive. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Improved Long Green. The leading long sort, and excellent for pickles. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Everbearing. One of the best producers of large quantities of handsome pickles. If picked regularly, vines will bear a long time. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Nichols' Medium Green. Fruit medium size, straight, and smooth; flesh crisp and tender. A very prolific variety. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Jersey Pickling. Wonderfully productive; deep green; small and very uniform in size. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Snow's Perfection Pickle. Shorter than Jersey or Westerfield Pickle; broad at stem end and tapering slightly to the tip. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Japanese Climbing. Fruits almost straight, large and from 12 to 16 in. long; skin dark green; flesh thick. Pkt. 5c., oz. 20c., 1/4lb. 60c.

West India Cherkin. Small, rough, prickly fruits, used for pickling. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.



Early Fortune Cucumber. A good Cucumber for all purposes

English Frame Cucumbers

These varieties are used for forcing. They can be grown in hotbeds or houses where the temperature does not fall below 65 degrees at night. The fruits are long, smooth and handsome, frequently growing 20 to 30 inches long.

Improved Telegraph
Chennell's Challenger
Lockie's Perfection
Tender and True
Worthing Favorite
Covent Garden Favorite

Each, per pkt. of 10 seeds, 25 cts; pkt. of 25 seeds, 50 cts.; 100 seeds, \$1.75

Corn Salad

Sow the seed thickly in shallow drills in September, and firm the soil well down above it, if the weather be dry. Highly appreciated, and much grown where other salads and lettuces do not succeed. Prepared in the same manner as lettuce and makes an excellent dish. An ounce of seed will sow a bed 20 feet square.

Large-seeded. Has large, tender leaves. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

Dandelion

An early spring salad. Sow early in spring in drills 12 inches apart, and thin out to 6 inches in the row.

Improved French Thick-leaved. Pkt. 10 cts.

A GARDEN OF GREENS of the type to which reference has been made on page 5, is, to the enthusiastic vegetable-gardener, quite as attractive as a flower-garden. We do not believe there is a handsomer plant growing than a properly blanched specimen of Endive. Then, there are the Head Lettuces of different shades—enough to make one's mouth water. Plan to have a salad-garden.

Eggplant

Sow the seeds in hotbeds in early March, transplant to small pots, and punge them in the same beds; this is to make them strong and stocky. They should not be planted out until May or June, when the weather becomes warm and settled. Set the plants in rows 3 feet apart each way and give them thorough cultivation. An ounce of seed will produce 1,000 plants.

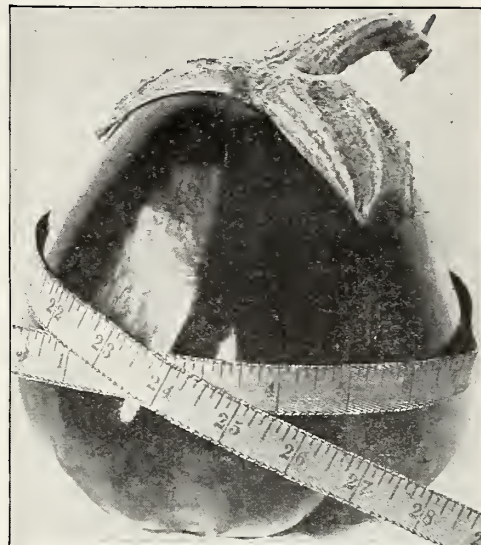
Black Beauty

(See illustration)

Fruit broad and thick; lustrous purplish black color; very productive; of excellent quality. Pkts. 5 cts. and 10 cts., oz. 60 cts.

New York Improved Spineless. A strong and productive sort. Fruits deep purple, large, smooth, free from thorns; flesh white, tender, of delicate flavor. Pkts. 5 cts. and 10 cts., oz. 60 cts.

Florida High-Bush. Popular in the South. Fruit large and purple and held well up from the ground. Pkts. 5 cts. and 10 cts., oz. 60 cts.



Black Beauty. A dandy for home gardens



Large Green Curled (Ruffec) Endive

Endive

This is an important fall and winter salad. For early, the seed should be sown in April, in drills 15 inches apart, and the seedlings thinned to stand 12 inches apart in the rows. Sowings for the main crop may be made in June and July, as the vegetable is used principally in fall and winter. The inner leaves are blanched by tying the tips of the outer ones together, or by laying boards over the plants. An ounce of seed will sow 150 feet of drill.

Large Green Curled

(Ruffec)

(See illustration)

Dark green leaves, beautifully curled and, when blanched, very crisp and tender; ready for use earlier than other sorts. Our strain is extra fine. Pkt. 10 cts., oz. 25 cts.

Moss Curled. This variety has very finely curled leaves; tender and excellent quality. Pkts. 5c. and 10 cts., oz. 25 cts.

White Curled. Has tender,

curly leaves of silvery green. Pkts. 5 cts. and 10 cts., oz. 30 cts.

Giant Fringed. A very strong-growing variety. Broad stems and large white heart. Good for fall and winter. Fine in appearance and quality. Pkts. 5 cts. and 10 cts., oz. 25 cts.

Broad-leaved Batavian (Escarolle). The broad, thick leaves make excellent salads when blanched. Pkts. 5 cts. and 10 cts., oz. 30 cts.

Kale, or Borecole

An ounce of seed will sow about 200 feet of drill.

Dwarf Curled Green Scotch. Seldom exceeds 18 inches in height, but rounds out to a diameter of 3 feet. The leaves are bright green, tender, and elegantly curled. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Dwarf German, or Siberian. Generally sown broadcast, but can be sown in drills a foot apart in August. Pkt. 5 cts., oz. 25 cts., 1/4lb. 75 cts.

Mosbach Winter. In height medium between Tall and Dwarf Scotch. Leaves yellowish green, bent upward, and curled on the margins. Pkt. 5 cts., oz. 30 cts.

Tall Curled Green Scotch. Unusually hardy, growing 2 feet or more in height, with recurved, spreading, deep green, curly leaves. Pkt. 10 cts., oz. 30c.



Dwarf Green Kale



American Flag Leek

Lettuce

Seed for the first outdoor crop is usually sown in hotbeds in February, and the seedlings transplanted to the garden in April, 8 to 12 inches apart in rows 12 inches apart. For a succession until frost, sow in drills in the open ground at intervals of every 2 to 3 weeks, and thin the plants to stand 6 to 8 inches apart. For plants to force in hotbeds from November until spring, sow seed in hotbeds in the fall, and cover up as winter approaches, until the plants are required for use. Or the seed may be sown in hotbeds early in winter and the seedlings transplanted into fine and well-prepared garden soil. Half an ounce of seed will sow 100 feet of drill and produce about 1,500 plants.

Send for our pamphlet on Lettuce Culture

Choicest Loose-Leaf Sorts

These do not form solid heads but rather large bunches of attractively curled leaves. All Lettuces will do best if given a foot of space in the row.

Beckert's Golden Curled (See illustration)

The best for early spring and summer crops. Grows rapidly, resists heat well and forms immense, tender heads of nicely curled, light yellow leaves of the best quality. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.**

Beckert's Brown Curled, or Chartier. Closely resembles the above, except in color. Grown under glass the leaves are a soft greenish white; but grown in the open air they take on a bronze cast, still remaining crisp and tender. **Pkts. 5c. and 10c., oz. 30 cts., 1/4lb. \$1.**

Black-seeded Simpson. Grows very rapidly, withstanding heat and drought well, and forming large, bushy stalks. **Pkts. 5 cts. and 10 cts., oz. 20 cts., 1/4lb. 60 cts.**

Early Curled Simpson. Sow broadcast and cut leaves when quite young. **Pkts. 5 cts. and 10 cts., oz. 20 cts., 1/4lb. 60 cts.**

Grand Rapids Forcing. The leading variety for forcing and also a good one for extra-early outdoor gardening. Forms a large, loose cluster of thin, bright green leaves, savoyed and finely crinkled at the edges. Quality excellent. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

The Morse. Outer leaves light green, inner leaves blanched to a beautiful yellow. Crisp and tender. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

Kohlrabi

Very palatable when prepared for the table like turnips. If the weather is favorable, the seed should be sown in April, in rows 18 inches apart, and the seedlings thinned to stand a foot apart for White Giant, and 6 to 8 inches apart for other sorts. They are fit for use when 2 to 3 inches in diameter. For late crops, sow seed in June or July. An ounce of seed will produce 2,500 plants.

Very Early White Vienna. The earliest sort. The plants grow rapidly, have small foliage, and mature fine, round, white bulbs. **Pkts. 5 cts. and 10 cts., oz. 45 cts.**

Early Purple Vienna. This variety differs from the above mainly in the color of its roots, which are a bluish purple. **Pkts. 5 cts. and 10 cts., oz. 45 cts.**

Leeks

Used for seasoning soups and boiling with meats. The seed should be sown in hotbeds in early spring, and the seedlings transplanted later to the open ground, 8 inches apart, in rows from 12 to 15 inches apart. For a winter supply, sow seed in the open ground in early spring, and thin the seedlings until they have room for development, or transplant them as above. Store like celery for winter. An ounce of seed will sow about 100 feet of drill.

London, or American Flag. The variety most extensively cultivated. Stalks early and large. **Pkts. 5 cts. and 10 cts., oz. 30 cts.**

Musselburgh. Broad, spreading leaves and very large broad stalks. **Pkts. 5 cts. and 10 cts., oz. 30 cts.**

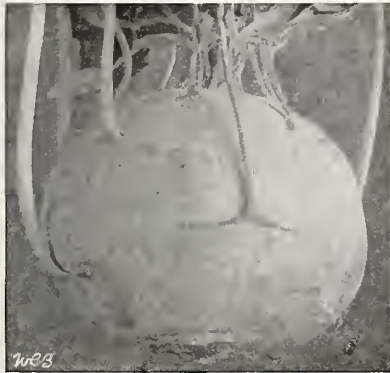
Giant Carentan. Stalks thick, short, hardy, mild-flavored. **Pkts. 5 cts. and 10 cts., oz. 30 cts.**

Rouen Winter. Stalks very large, hardy, late-keeping and lighter green than in other sorts. **Pkts. 5 cts. and 10 cts., oz. 30 cts.**

Get Better Acquainted with Kohlrabi and Leeks

Kohlrabi is way ahead of turnips in quality, while young. Besides, it keeps better on account of its thick skin. The best time to use Kohlrabi is when the roots average 2 to 2 1/2 inches in diameter.

Leeks, as a salad, are simply delicious. Boil the white part of the stalks until tender. Then cool and cut into 2-inch pieces; add French salad dressing and serve moderately cold.



Very Early White Vienna Kohlrabi

Earliest Head Lettuce

(Butterhead Type)

Boston Market, or Tennis Ball. A favorite for forcing. Small, compact heads. **Pkts. 5 cts. and 10 cts., oz. 20 cts., 1/4lb. 60 cts.**

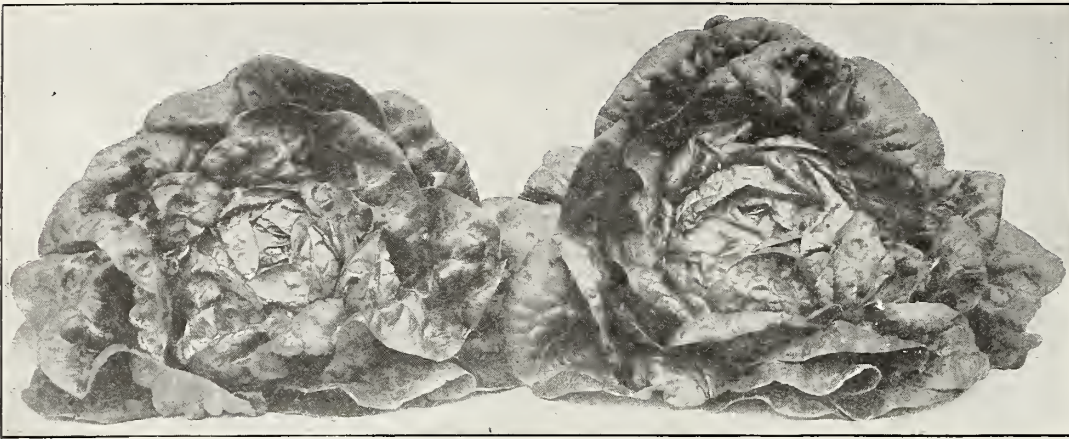
Big Boston. The solidity and large size of the heads make this of great value for forcing and general crops. **Pkts. 5 cts. and 10 cts., oz. 20 cts., 1/4lb. 60 cts.**

Wayahead. Very early. Sure-heading and finest quality. Heads very large and solid. Outer leaves light green, inner yellow. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

May King. Equally fine for forcing and outdoors; heads of medium size, yellowish green in color; slightly later than Wayahead, but a fine variety. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**



Beckert's Golden Curled Lettuce



Mammoth Black-seeded Butter. A good sort for early summer

Lettuce, continued

Other Splendid Butterhead Sorts

All-Heart. Forms large and closely set heads with very solid heart. Yellowish green in color. A good heat-resister and of best quality. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

Black-seeded Big Boston. A new variety of great merit. Forms very large, solid heads; crisp and tender; very slow to seed. **Pkts. 5 cts. and 10 cts., oz. 20 cts., 1/4lb. 60 cts.**

Mammoth Black-seeded Butter (See illustration)

Enormous heads. Adapted for early and late crops but of greatest value as a midseason sort, since it stands heat. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

All Seasons. Easily the most reliable midsummer Butterhead Lettuce in cultivation today. It even surpasses in "standing" qualities some of the Crisphead Lettuces described above. Fully developed heads average 10 to 12 inches in diameter, and while their outside leaves are of a rather dull green, the inside of the heads is of beautiful appetizing yellow color. **Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

Crisphead or Cabbage Lettuce

Wonderful, or New York. Outside leaves deep green, heads hard, white, crisp; of fine flavor. **Pkts. 5c. and 10c., oz. 30c., 1/4lb. 75c.**

Iceberg. Heads solid, 6 to 8 inches in diameter. Very crisp and tender. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

Hanson. Large, leaves green, light yellow within; sweet and crisp. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 75 cts.**

Cos Lettuce

Trianon, or Early White Folding. The long, narrow leaves fold into loose, sugar-loaf-shaped heads. Heads should be tied to blanch. Quality very superior. **Pkts. 5c. and 10c., oz. 25c., 1/4lb. 75c.**

Martynia proboscidea

The seed-pods are excellent for pickling, if gathered when tender and about half-grown. Sow the seed in May, in rows 3 feet apart, and thin the plants to stand 2 feet apart in rows. **Pkts. 5 cts. and 10 cts., oz. 30 cts.**

Muskmelons, or Cantaloupes

Muskmelon seed should not be planted outdoors until the ground has become warm and dry. The hills should be about 6 feet apart, and carefully prepared. Rich earth is far better for the young plants than manure; but, if the latter must be used, see that it is well rotted. Plant from 6 to 12 seeds in a hill, and when the young seedlings are strong enough to resist the attacks of insects, thin them, leaving 3 of the strongest in each hill. An ounce of seed will plant about 100 hills. Pamphlet on Melon-Culture free.

Best Green-fleshed Kinds

Rocky Ford or Netted Gem

(See illustration herewith)

This is the melon that has made Rocky Ford famous from ocean to ocean. In its perfected form it far surpasses the original oval-shaped type which it also beats in size.

The light green meat is very thick, leaving but small space for seed-cavity. It is of uniformly delicious flavor, and the vines are quite prolific. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.**

Extra-Early Hackensack. Of good size, weighing from 5 to 10 pounds. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 40 cts.**

Jenny Lind. Fruit small, flattened, heavily ribbed and netted. Very early. **Pkt. 5 cts., oz. 15c., 1/4lb. 45 cts.**



A fine hill of Rocky Fords

Champion Market

This may be described as a glorified Rocky Ford—not in quality but in size. Champion Market is nearly round, well netted, and averages from one-third to one-half heavier and larger than Rocky Ford. The thick, light green flesh is of delicious quality, which it maintains even after becoming over-ripe. The thick meat, together with the exceptional tough skin, make Champion Market an excellent variety for both local and long-distance market sales. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.**

Long Island Beauty. Fruit large size, flattened, heavily ribbed and netted, early and of excellent quality. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.**

Prolific Nutmeg. Fruit round, about 7 inches in diameter, flattened. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.**

Muskmelons, continued

The Choicest Salmon-fleshed Sorts

Robinson's Delicious Gold-lined Rocky Ford. Slightly oval, no ribs and heavily netted; thick-meated, fine-grained and sweet; green, with a gold margin next to the seed-cavity. Shape and size very uniform. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Emerald Gem. Early; flesh thick and salmon-colored, granular, sweet, and delicious. An old standby. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Fordhook. Equal to Emerald Gem in flavor. Best salmon-fleshed melon in existence; roughly netted; flesh very solid, thick, and surprisingly sweet to the very rind. Pkt. 5c., oz. 15 cts., 1/4lb. 40 cts.

Burrell's Gem, or Defender. The fruit medium size, being slightly ribbed, and closely netted. Skin dark green and rind thin. Flesh thick and of delicious quality and flavor. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Miller's Cream, or Osage. Medium-sized, globe-shaped; very sweet. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Paul Rose. Medium-sized; flesh salmon, thick and solid. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Princess. Seed-cavity small; flesh thick, rich salmon, fine-grained, sugary, melting. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

The hobbyist who really wants to grow good melons will do well to invest in "Home Vegetable Gardening from A-Z," as offered on page 37. Ten chapters cover every phase of melon-growing, from sowing the seeds to gathering the crop. The book covers every other class of vegetables in a similarly thorough fashion.



Tip-Top in every way

Other Salmon-fleshed Kinds

Tip-Top. (See illustration.) Considered by many the standard of quality among large-fruited Muskmelons in this class. The fruits are nearly round, often slightly depressed at stem and blossom ends. They vary slightly in being sometimes ribbed, as in the case of the specimen shown, and other times they are almost round, faintly netted on various parts of the fruit, but never uniformly. The flesh is of deep yellow or orange color, very juicy, but always firm and invariably of delicious flavor. Tip-Top is an ideal variety for light soils where many green-fleshed varieties will not succeed. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Surprise. Fruits oval, medium to large, ribbed, and slightly netted; skin yellow when ripe; flesh deep salmon and of fine quality. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Honey Dew. A new type. No netting. Rind, though thin, is tough. Flesh rich green; very sweet and of delicious flavor. Fruit averages 8 to 10 pounds; 6 to 7 inches in diameter. Pkt. 10 cts., oz. 35 cts.

Banana. Fruits 15 to 20 inches long, shaped like a cucumber, and of a delicious banana-like odor. Flesh thick, salmon color. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Muskmelons for Forcing

Manchester. Fruit large and globular; thickly netted; flesh rich in color, of delicious flavor and aroma. Pkt. 50 cts.

Royal Sovereign. Fruit globular, golden yellow in color, netted. Flesh thick and white, slightly tinged green. Rind thin. Pkt. 50 cts.

Watermelons

Secure good, strong vines early in the season by making the hills large, mellow, and well-drained, with the manure placed so that they will not dry out quickly under hot suns. All possible protection should be given the young plants, and, as a protection from insects, use dry ashes or coal-dust sprinkled over the leaves. Plant the seeds thickly, and thin the plants to 4 of the strongest in each hill. An ounce of seed will plant about 50 hills.

Early Fordhook. This is the earliest of the really large kinds. Well-developed specimens average 9 inches deep by 12 inches long, and while the skin is thin, it is exceedingly tough. The flesh is of an appetizing bright red color, very sweet, and never stringy. It is of exceptional quality for so extra-early and large a sort. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Peerless, or Ice-Cream. Fruit medium size, oval, bright green, finely veined; flesh bright scarlet, crisp, tender, and sweet. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Wonderful. Large, oblong; flesh rose-colored; very crisp and sweet. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Sweetheart. Firm and heavy, crisp, melting, and exceedingly sweet. One of the most popular sorts for both home and market-gardening. A ready seller. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Gray Monarch, or White Icing. Large, long form; flesh deep red and of delicate quality. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Kleckley Sweets. This is perhaps the most popular of all the oblong dark green main-crop Watermelons in cultivation. Because of its thin rind, it is suitable only for home use or nearby markets. Well-developed specimens average 18 to 20 inches in length by 10 to 12 inches in diameter. Flesh bright scarlet with a solid heart, crisp, of sweet flavor and entirely free of all stringiness. Pkt. 10 cts., oz. 15 cts., 1/4lb. 50 cts.

Halbert's Honey. Flesh beautiful crimson, very sweet and of superb flavor. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Tom Watson. Large and long fruit; rind tough; flesh rich red, sweet and tender; vigorous and productive. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Seminole. Ripens its large, delicious fruits very early. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Dixie. Early; productive and of fine shipping quality. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Red-seeded Citron. Used for preserves, etc. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.



Kleckley Sweets by the mile

Mushroom Spawn

Pure-Culture Spawn. Produced under the new selection method recently discovered. The only method which makes possible the segregation of varieties. Is received absolutely fresh at frequent intervals. This Spawn will produce Mushrooms of a specific variety. Selected with special reference to size, color, and prolificness. We keep on hand the **White, Cream-White, Brown, and Light Brown.** Each brick weighs from 1¼ to 1½ pounds, and will spawn 8 square feet of bed. Positively the most vigorous and best Spawn on the market.

Direct. (The best.) These bricks are inoculated direct from the laboratory without transfer. **Per brick 30 cts., 5 bricks \$1.35, 10 bricks \$2.50, 25 bricks \$6.50, 50 bricks \$11.25.**

Illustrated book on Mushroom-Culture and Pure-Culture Spawn, 15 cts. per copy, postpaid. Pamphlet on Mushroom-Culture free. **Mushrooms: How to Grow Them.** By William Falconer, \$1.

Mustard

The young and tender leaves of the Mustard are greatly relished as salads, or when cooked like spinach. The seed should be sown in shallow drills as early as the ground can be prepared in spring, and the leaves cut when several inches long.

White London. Oz. 5 cts., ¼lb. 15 cts., lb. 50 cts.

Giant Southern Curled. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.

The Greatest Joy in Gardening

consists in being able to go right out into your own garden and pick the choicest the season affords, fresh, crisp, with *all* the quality nature puts into the vegetables. Garden-making is not difficult, nor is it tedious, if you have the right kind of tools. You will find many handy tools offered among the miscellaneous supplies on pages 62 and 63.



Mushroom grown from Pure-Culture Spawn



Gathering Champion Moss-curved Parsley



Improved Hollow Crown Parsnips

Okra, or Gumbo

Used for seasoning soups and stews. Sow thickly in rich soil about the middle of May, in drills 3 feet apart, and cover the seeds an inch deep. An ounce will plant 100 hills.

White Velvet, or Creole. Pods long, smooth. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts.

Long-Pod. Productive; deep green. Pkt. 5c., oz. 10c., ¼lb. 30c.

Tasty Soups and Broths

are much improved by the addition of such vegetables as Okra, Parsley, or any of the many culinary herbs listed on page 33. The diligent housewife will have "hubby" provide some this summer.

Parsley

Much used for garnishing and flavoring soups, stews, etc. The seed is slow to germinate, and should be sown as early as possible, in drills 12 inches apart, thinning plants in rows 4 to 6 inches apart.

Champion Moss-curved. Leaves bright green, finely cut, and beautifully curved. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts.

Dwarf Extra-curved. Dwarf, with finely curved leaves. Quite decorative, as well as savory; much used for garnishing. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Plain-leaved. Best for flavoring; very hardy. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts.

Hamburg Parsnip-rooted (Half-Long). This sort is early, short and thick; in appearance not unlike a small parsnip. Thin out when young and cultivate like carrots. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Hamburg Long-rooted. Roots long and slender; rather late. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Parsnips

Sow the seed in drills 15 inches apart, as early as possible in spring, and thin the plants 5 or 6 inches apart in the rows. Much improved by frost. In winter cover them heavily with manure or litter. An ounce of seed will sow 100 feet of drill; 5 pounds to an acre.

Improved Hollow-Crown (Guernsey). Tender and sweet; always good and in demand. Pkts. 5 cts. and 10 cts., oz. 20 cts., ¼lb. 60 cts.

New Lisbon. A superior strain, with thicker, longer, smoother roots than old Guernsey. Try it and beat your neighbor growing prize Parsnips. Pkts. 5c. and 10c., oz. 25c., ¼lb. 75c.

ROOT-CROPS, as described above, and about which more is said on page 5, really deserve to be grown more. Think of the many quarters you spend in the course of the winter for Beets, Carrots, etc. A quarter invested in our Special Root-Crop Collection will enable you to grow several bushels.



Yellow Globe Danvers of the type produced by our selected strain

American Yellow Sorts

The standard market Onions of the country. Dependable croppers, heavy yielders, early and late sorts, mild and crisp, good keepers as a class.

Yellow Dutch, or Strasburg. Large; yellow; mild flavor. One of the best keepers. Grown largely for sets. **Pkts. 5 cts. and 10 cts., oz. 25 cts., 1/4lb. 85 cts.**

Yellow Globe Danvers

(See illustration above)

Bulbs of fine shape and good size, while the yield per acre is enormous, averaging from 600 to 800 bushels on good soil and with good culture. Thin, yellow skin and mild, fine-grained, white flesh. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.**

Flat Yellow Danvers. Grows to good size; ripens early; mild in flavor and keeps well. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. 85 cts.**

Michigan, or Ohio Globe Danvers. Bulbs large, small necks; rich orange-yellow; enormous yielder and good keeper. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.**

Southport Yellow Globe. Similar to White Globe, save that the large Onions are light straw-color. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.**

Prizetaker. Bulbs very large, round, and handsome; rich yellow skin and mild, sweet, pure white flesh; quite free from stiff necks; yields enormously. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.**

Giant Gibraltar. A type of Prizetaker, originally from France, but now well acclimated and is generally grown for exhibition purposes. A close rival to Ailsa Craig described below. Attains immense size; flat-globular in shape; light straw color; flesh white, tender, and mild. Not a good keeper. **Pkt. 10 cts., oz. 75 cts.**

Best Foreign Kinds

White Bunch

(See illustration)

For using when young, producing large, showy, white Onions of fine quality in a remarkably short time. **Pkt. 10 cts., oz. 45 cts., 1/4lb. \$1.50.**

Ailsa Craig. The famous exhibition Onion of England, and valued highly for that purpose by our estate gardeners. Grows to immense size when started early, under glass. **Pkt. 10 cts., oz. 75 cts.**

Bermuda, White. This is the well-known Onion of Bermuda. **Pkt. 10 cts., oz. 40 cts., 1/4lb. \$1.40.**

For Onion Sets, see page 26

Onion Seed

Good Onion Seed is the Only Crop Insurance!

Onions thrive best on a rich, deep, loamy soil. For sets, the seed should be sown very thickly in drills as early as possible in spring. In summer, as soon as the tops die down, harvest the bulbs and store them in a dry, cool place, spreading them in thin layers. Early in the following spring, replant them 4 inches apart, in small drills 12 inches apart, and they will form fine, large bulbs early in the season. Large Onions may also be grown from seed the first season if the land is strong and well-manured, the seed sown thinly in drills a foot apart, and the seedlings thinned to stand 3 to 4 inches apart in the drills. They must be well cultivated and kept free from weeds. Five pounds to the acre will be required for large Onions; for sets, 60 pounds.

PAMPHLET ON ONION-CULTURE FREE. The New Onion Culture. By T. Greiner. 60 cts.

American White Varieties

The earliest, the mildest, the handsomest, but only moderately good keepers.

Southport White Globe. A large, showy, globular white Onion. The bulbs grow quite rapidly, and if the seed is sown early, good-sized bulbs, suitable for using in a green state are soon formed. They are mild-flavored and keep well. **Pkt. 10 cts., oz. 45 cts., 1/4lb. \$1.50.**

White Portugal, or Silverskin. Largely grown for sets and for pickling Onions. Bulbs large, with silvery white skin and sweet. **Pkt. 10 cts., oz. 45 cts., 1/4lb. \$1.50.**

American Red Kinds

The latest to mature, strongest-flavored, but also best keepers.

Southport Red Globe. Large red Onion; one of the best keepers; true globe-shape. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Red Wethersfield. Bulbs deep purplish red, flat, strong-flavored, and grow to a large size. **Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.**



White Bunch Onions

Onion Sets. Extra-Selected Stock. (Prices Variable)

	Qt.	Pk.	Bus.
White. For early use.....	\$0 30	\$2 25	\$8 00
Yellow Danvers. Legal bushel, 32 lbs.....	25	1 75	6 00

Parcel-post weight of Onion Sets: Quart, 1 lb.

Pepper

Sow in hotbeds as early as April, and transplant to rich, warm, mellow soil, as soon as the weather has become warm and settled, setting them about 2 feet apart in drills 3 feet apart. The pods are used in making all sorts of pickles. An ounce of seed will produce 1,000 plants.

Crimson Beauty

(See illustration)

This is the pimento used extensively in Spain for canning. It is a heart-shaped Pepper of good size, some 3 inches in diameter, always smooth and regular; very thick-meated, sweet, and entirely void of pungency. **Pkts. 5 cts. and 10 cts., oz. 60 cts.**

Sweet Mountain. Enormous, mild-flavored pods, used for mango-making and mixing with salads. **Pkt. 10 cts., oz. 60 cts.**

Large Bell, or Bull Nose. Widely grown, standard old variety, with very large, thick pods. **Pkt. 10 cts., oz. 60 cts.**

Chinese Giant. Of enormous size, early, and very productive; fruit bright scarlet and of thick, blocky form; flesh thick and extremely mild. **Pkt. 10 cts., oz. 90 cts.**

Crimson Giant. Is a giant Bull Nose, with fruit as large as Chinese Giant, and as prolific as Bull Nose. Flesh exceptionally thick and mild; color deep green and when ripe, deep crimson. Earliest of the large-fruited Peppers. **Pkt. 10 cts., oz. 90 cts.**

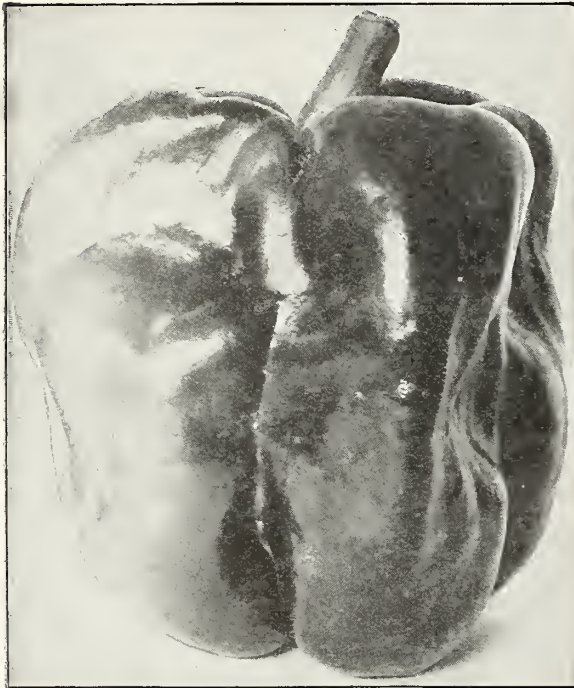
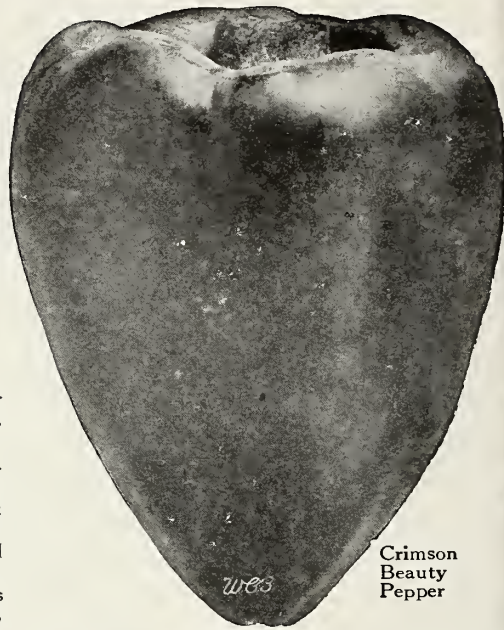
Ruby King Giant. A large red variety, resembling Bull Nose. **Pkt. 10 cts., oz. 60 cts.**

Neapolitan. Earlier than any of the above. Fruit of medium size and longer than Ruby King. **Pkt. 10 cts., oz. 60 cts.**

Anaheim Giant Chili. Seven to 9 inches in length, and from 1 to 1 3/4 inches thick, tapering to a blunt point. When ripe, brilliant scarlet in color. Not a sweet Pepper, and not very pungent. Immensely productive. **Pkt. 10 cts., oz. 60 cts.**

Long Red Cayenne. Pods long, slender; bright red; very hot. **Pkt. 10 cts., oz. 60 cts.**

Red Chili. Small, conical; scarlet; pungent. **Pkt. 10 cts., oz. 60 cts.**



Bull Nose Pepper. One of the most popular

Mammoth Golden Cushaw. Skin and flesh orange-yellow; quality fine. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.**

White Cushaw. White shell. **Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.**

Cushaw Striped. Crookneck. **Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.**

Quaker Pie. Fruit pear-shaped to oval; skin creamy buff; flesh fine-grained and rich. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.**

Golden Oblong. Skin and flesh golden yellow; of good size and finest quality. **Pkt. 5 cts., oz. 10 cts., 1/4lb. 35 cts.**

Winter Luxury, or Pie Squash. Round, golden yellow, netted variety; flesh very rich; a fine keeper. **Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.**

Connecticut Field. The common field Pumpkin. **Oz. 10 cts., 1/4lb. 30 cts.,**

Pumpkin

Grown principally for stock-feeding, yet some are so sweet, juicy and fine-grained that they will always be considered indispensable for pies and sauces. Culture as recommended for melons, but plant hills farther apart. One pound will plant from 200 to 300 hills.

Large Cheese. Rind and flesh orange-colored, and the quality is excellent for cooking purposes. **Pkt. 5 cts., oz. 10 cts., 1/4lb. 35 cts.**

Mammoth King. Enormous golden yellow Pumpkin, grown for stock-feeding. Of fine flavor and close-grained. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.**

Sweet Potato. Medium-sized, pear-shaped; flesh creamy white, of excellent flavor. Good for pies, etc. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.**

Japanese Pie. Deep green crookneck, with darker stripes; matures early; flesh yellow and of fine quality. **Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.**

Small Sugar. Small, about 10 inches in diameter, flattened or slightly ribbed; sweet; skin deep bronze-yellow. Splendid for pies. **Pkt. 5 cts., oz. 10 cts., 1/4lb. 35 cts.**



As proud as can be!

Boys, grow some Pumpkins! It's great fun and profitable, too. For quality pies, plant Winter Luxury. For big ones, for the fair, sow Mammoth King.

Peas

All smooth-seeded Peas, being very hardy, may be planted as early in the spring as the soil can be prepared for them. Sow for the first crop as early as practicable, and for succession at intervals of about two weeks until June. Late sowings, however, do not yield so well as early ones. Sow in drills about 2 to 3 inches deep, and from 2 to 4 feet apart, according to variety, taller sorts requiring more room than dwarf ones. Dwarf Peas require a very rich soil, while taller ones thrive best in rather thin ground. The latter are frequently sown in double rows, with the brush or support of some kind between them. Wrinkled Peas are not so hardy as the smooth sorts, and should not be sown so early, but are superior in quality, more delicate in flavor, and remain longer in season. One quart will plant about 100 feet of drill.

Note About Pea Prices

Never before in our experience has the crop of high-class Seed Peas been so disastrously short as this year. In many instances our growers did not get back as much seed as they planted. The best-yielding varieties are 50 per cent short of the normal crop, and it will require considerable broadmindedness and patience on the part of our customers to help us see things through in Peas. If, when sending your order, you would be kind enough to indicate a second choice of variety, we would be duly grateful.

P. S. A 10-cent packet would hardly be sufficient to plant 20 feet of row. Feeling that customers will be better satisfied we shall provide liberal packets of all the wrinkled sorts at 5 cts., postpaid.

Extra-Early Smooth Seed Sorts

These surpass in earliness. The seeds are smooth and hard and can be planted from 10 to 14 days before it is safe to put the more tender, wrinkled seeds into the ground.

Alaska. Improved strain. 55 to 60 days; 2½ feet. Pods small, but well filled with excellent dark green Peas. **Pkt. 10 cts., pt. 30 cts., qt. 60 cts., 2 qts. \$1.15.**

Prolific Market. 60 days. An extra-early variety. Crop uniform and comes in two pickings. One of the most productive of its class; quality excellent. **Pkt. 10 cts., pt. 30 cts., qt. 60 cts., 2 qts. \$1.15.**



Little Marvel

Market Surprise

Within 60 days of sowing seeds, Market Surprise will surprise the home-gardener with the finest lot of Peas, as shown in illustration above. Each vine will carry on an average 6 well-filled pods, averaging 3½ inches long, and containing from 5 to 7 large, light green Peas of delightful flavor. **Pkt. 15c., pt. 40c., qt. 75c., 2 qts. \$1.45.**



Market Surprise. Sure to surprise the home-gardener by its earliness

Early Wrinkled Sorts

Sutton's Excelsior. 65 days. An improvement on Nott's Excelsior; more vigorous in vine; pods larger and well filled. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Gradus, or Prosperity. Also known as Extra-Early Telephone. 70 days; 2½ feet. Combines earliness with the size and quality of the best later sorts. Pods are of the same size and quality as Telephone; ready to pick one week after the earliest. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Thos. Laxton. 70 days. The most thoroughbred of all early wrinkled sorts and a winner for quality. Pods large; seed wrinkled; sweet, of fine flavor. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Laxtonian. 80 days. Height 15 to 18 inches. The largest podded of the dwarf varieties. Pods 4½ to 5 inches long; dark green in color. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Two Exceptionally Fine Early Sorts

World Record. As illustrated, World Record grew in our garden last summer and within 80 days after sowing the seeds we gathered 2 quarts of fine pods, while a week later we were able to gather 6 more quarts off a 20-foot row. See, also, page 6. **Pkt. 15 cts., pt. 55 cts., qt. \$1, 2 qts. \$1.85.**

Little Marvel. We are so much impressed with the high quality and utter dependability of this truly remarkable variety that it also will be found listed again on page 6. The remarkable 3-inch pods are literally filled with bursting with the largest, dark green Peas we have ever seen squeezed in a medium-sized pod. Little Marvel has a flavor all its own. **Pkt. 15 cts., pt. 55 cts., qt. \$1, 2 qts. \$1.85**



Sister gathering a record crop of World Record Peas

Main-Crop and Late Peas

While these bear later than those described on page 27, they also yield larger crops of bigger pods, containing splendid Peas of fine flavor.

Alderman. 70 days; 3 feet. A choice selection from the Duke of Albany class, but larger in pod, more productive, and of equally fine quality. The Peas are large and of fine flavor. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Boston Univalved, or Improved Telephone. 65 days; 4½ to 5 feet. An improved strain of the Telephone, but this variety is more productive and bears larger pods. Pods 4½ inches in length, each containing 7 or 8 very large Peas. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Potlatch. 90 days; 2 feet. A splendid variety. Pods deep green and very large, each containing 9 or 10 large, deep green Peas, which have a delicious Marrowfat flavor. Very productive. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Prodigious. 85 days; 5 feet. An excellent strain of that fine exhibition Pea, Quite Content. Pods very large, nearly straight, with but slight curve. Deep green in color and produced in pairs, each containing 9 or 10 Peas of the finest quality. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

Senator. 65 days; 2½ feet. Pods large, round, and filled with 7 to 10 large, luscious, wrinkled Peas. Very productive. **Pkt. 10 cts., pt. 40 cts., qt. 80 cts., 2 qts. \$1.55.**

Dwarf Champion, or Juno. 75 to 80 days. Of the Champion of England type, but not so tall, attaining a height of about 2 feet. Very productive; large pods and fine quality. **Pkt. 15 cts., pt. 45 cts., qt. 85 cts., 2 qts. \$1.65.**

White Marrowfat. Large and late. **Pkt. 10 cts., pt. 35 cts., qt. 60 cts., 2 qts. \$1.15.**

Mammoth-podded Sugar. The entire pod is cooked, being sweet, tender, and stringless. Pods 5 to 6 inches long and 1½ inches wide; plant tall; crop late. Pick about the time the Peas form. **Pkt. 15 cts., pt. 45 cts., qt. 80 cts., 2 qts. \$1.50.**

Parcel-post weight of Peas: Pint, 1 lb.; quart, 2 lbs.

Crisp Radishes

To be crisp and tender, Radishes must grow quickly; whenever growth is checked by drought or cold weather, they become tough and pithy. Rich, light, sandy soil suits them best. For the forcing crop, sow seeds in hotbeds in rows 5 to 6 inches apart and thin the plants as the ground becomes warm. Seed of winter varieties should be sown in midsummer. Summer varieties are best adapted for general crop. An ounce of seed will sow about 75 feet of drill.

The Early Round and Olive-shaped Sorts

Saxa. A new bright scarlet forcing Radish, ready for table in 3 weeks after sowing. Small tops and tap-roots. **Pkts. 5 cts. and 10 cts., oz. 20 cts., ¼lb. 60 cts.**

Non Plus Ultra Improved. We offer an extra-fine strain of this popular, early-forcing, and outdoor variety. Bright scarlet; very round and uniform; small tops and tap-roots. **Pkts. 5c. and 10c., oz. 20c., ¼lb. 60c.**

Deep Scarlet, or Scarlet Button. Round, dark red; early and fine forcer. **Pkts. 5 cts. and 10 cts., oz. 20 cts., ¼lb. 60 cts.**

Crimson Giant Forcing. Attains more than double the size of the other forcing Radishes without getting pithy. Flesh firm and crisp. **Pkts. 5 cts. and 10 cts., oz. 20 cts., ¼lb. 60 cts.**

Early Scarlet Globe. (See illustration.) **Pkts. 5 cts. and 10 cts., oz. 20 cts., ¼lb. 60 cts.**

Rosy Gem. The best Scarlet Turnip White-Tip. **Pkts. 5 cts. and 10 cts., oz. 20 cts., ¼lb. 60 cts.**

White Box. Turnip-shaped, pure white; fine for forcing and outdoors. **Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts.**

Scarlet Olive-shaped White-Tip. Also known as French Breakfast. Deep rose, tipped white; very early. **Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.**

Red Olive-shaped. Crisp and of mild flavor. **Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.**

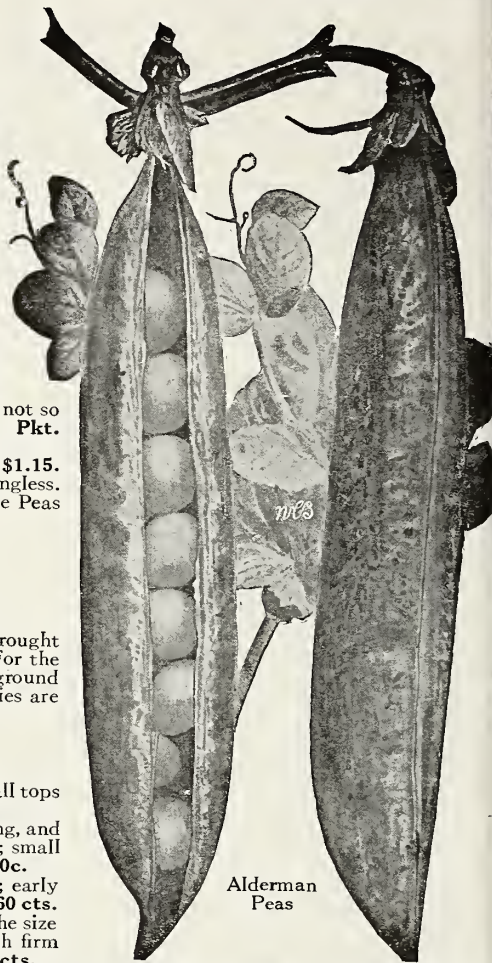
White Olive-shaped. White companion to above. **Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.**

Half-Long Deep Scarlet (Paris Beauty). Intermediate between the olive-shaped and long sorts. Brilliant scarlet; flesh white, crisp and juicy. **Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.**

Two Leading Long Kinds

Cincinnati Market. Scarlet; small top; very early. **Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts.**

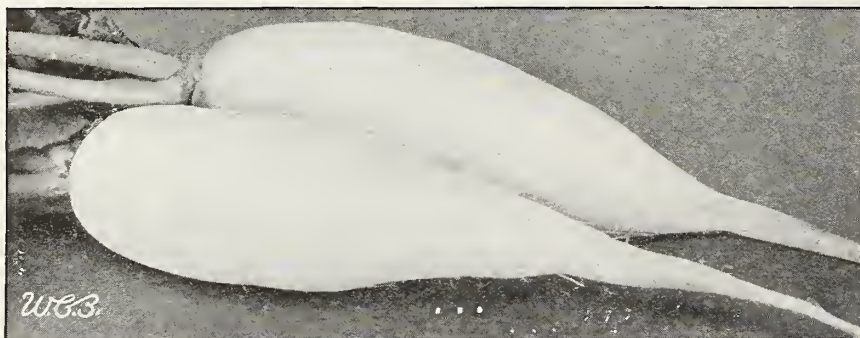
Icicle. The finest long white variety extant; flesh semi-transparent, crisp, mild; excellent for forcing and early outdoor crop. (See illustration.) **Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts.**



Alderman Peas



Early Scarlet Globe Radishes



White Icicle. Best for home gardens

Radishes, Best for Summer Use

Beckert's Improved Chartier. The finest long variety in existence; early as Long Scarlet Short-Top, but better in quality; will stand far longer; in all respects superior to any other long Radish. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

Beckert's Chartier Turnip. Local variety of great merit. Pure white; early; remains tender and solid for a long time. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

Long White Vienna. Snow-white; flesh crisp, tender, and brittle; of rapid growth. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

White Strasburg. (See illustration.) Half-long and thick; skin and flesh white. An excellent sort for either summer or fall. Firm, but crisp, and of mild flavor. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Giant Stuttgart. Very large; globular in shape; pure white; stands heat well. Pkts. 5 cts. and 10 cts., oz. 20 cts., 1/4lb. 60 cts.

Golden Globe. Our seeds are choicest French-grown! Russet color; sweet and crisp. A favorite in all parts of the country; particularly valued for its heat-resistance. Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.



Beckert's Chartier Radishes

Winter Radishes

Celestial, or White Chinese. Attains a length of 12 inches and a diameter of 4 to 5 inches. Flesh crisp, mild, and sweet in flavor. Pkt. 5 cts., oz. 15 cts., 1/4lb. 40 cts.

Chinese Rose. Half-long; flesh pink, solid, of excellent quality. Pkt. 5 cts., oz. 10 cts., 1/4lb. 35 cts.

Long Black Spanish. Roots black; the flesh is white and slightly pungent. Pkt. 5 cts., oz. 10 cts., 1/4lb. 35 cts.

Long White Spanish. Roots 6 inches long and 2 1/2 inches in diameter; white skin and flesh. Pkt. 5 cts., oz. 15 cts., 1/4lb. 40 cts.

Round Black Spanish. Globe-shaped; white-fleshed; piquant flavor. Pkt. 5 cts., oz. 10 cts., 1/4lb. 35 cts.

Sakurajima. A Japanese variety, attaining a monstrous size. Reaches a weight of fifteen pounds. Can be used cooked as a turnip. Requires the whole season for its development. Should be sown in rows and thinned out. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts.

Rhubarb, or Pie-Plant

Sow the seed early and, when the plants are large enough, thin them to 4 or 5 inches apart. The next spring or fall transplant them 3 feet apart each way in deep, rich soil. For forcing, take up some large roots and place them in a dark corner of the cellar or greenhouse.

Victoria. Late; stalks thick and large; useful especially to prolong the season. Pkts. 5 cts. and 10 cts., oz. 15 cts., 1/4lb. 50 cts.

RHUBARB ROOTS. See Vegetable Plants, page 33.

The New Rhubarb Culture. By J. E. Morse. 60 cts.

Salsify, or Oyster Plant

When cooked, the roots have something of the flavor and odor of oysters. They may be boiled, used in soups, or grated and fried as fritters. Culture the same as for parsnips and carrots. Roots are perfectly hardy, and may be left in the ground all winter. A quantity of roots for winter use may be stored in a pit or in sand or damp earth in a cellar. An ounce of seed will sow 75 feet of drill.

Mammoth Sandwich Island. Roots large, long, smooth, tender, and well flavored, resembling fair-sized parsnips. Pkts. 5 cts. and 10 cts., oz. 30 cts., 1/4lb. \$1.

Market-Gardeners and Truckers

who grow vegetables for sale should write us for special catalogue giving wholesale prices. Our market-gardeners' list is largely devoted to telling why our seeds deserve the serious consideration of the man whose livelihood depends on the crop. It is not of interest to home-gardeners.



Strasburg Radish—A dependable summer sort



Mammoth Sandwich Island Salsify



Long Season Spinach

Squashes

Summer and Winter

Squash seed should be planted about the same time and in much the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants. An ounce of seed will plant from 20 to 30 hills.

Mammoth White Bush. A large variety of Squash, pure white in color; flesh excellent. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Golden Custard Bush. Large, scalloped Squash of rich golden yellow. Quality excellent. Pkt. 5 cts., oz. 15 cts., 1/4lb. 45 cts.

Cocozelle. A bush variety. Fruit long, dark green, with stripes of a deeper green; excellent quality. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Golden Summer Crookneck. Early; fruits yellow; flesh fine-grained and rich. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Delicious. Skin bronzy green, flesh dark orange. Very thick, fine-grained, dry and sweet and of finest flavor. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

Delicata. Orange-yellow, striped green; very early and prolific; small and solid; flesh of excellent quality. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Boston Marrow. Well-known and popular. Skin and flesh bright orange; of excellent quality. Pkt. 5 cts., oz. 10 cts., 1/4lb. 35 cts.

Hubbard. A standard late Squash. Skin dark green; flesh fine-grained, dry, sweet, late-keeping. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

Warted Hubbard. Large; dark green. Shell very hardy. Very thick-fleshed, of the finest quality. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

Golden Hubbard. Skin and flesh deep yellow. Very dry and of excellent flavor. Particularly good for pies on account of its bright color. Pkt. 5 cts., oz. 20 cts., 1/4lb. 60 cts.

Vegetable Marrow. Skin greenish yellow; flesh white. Pkt. 5 cts., oz. 15 cts., 1/4lb. 50 cts.

Warren. The most perfect type of the popular "Turban" Squashes. Has a thicker, harder shell than old "Turk's Cap" which it also surpasses in color, which is a rich, deep orange. A fine market and exhibition Squash of superb quality. Pkt. 10 cts., 1/2oz. 20 cts., oz. 30 cts.

Spinach

For early use, sow very early in spring, and for succession, at intervals. The main crop for spring and winter use should be sown in September and the plants covered for winter. An ounce of seed will sow 50 feet of drill; 30 pounds to the acre.

Long Season. Stands longer without going to seed than any other; leaves thick, crumpled, tender, and of finest quality. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Long-standing Thick-leaved. This variety has large, thick fleshy, crimped leaves of the Savoy style. The leaves are tender and of good flavor. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

Victoria. Foliage thick, broad, dark green; remains in prime condition 2 to 3 weeks after other sorts have run to seed. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

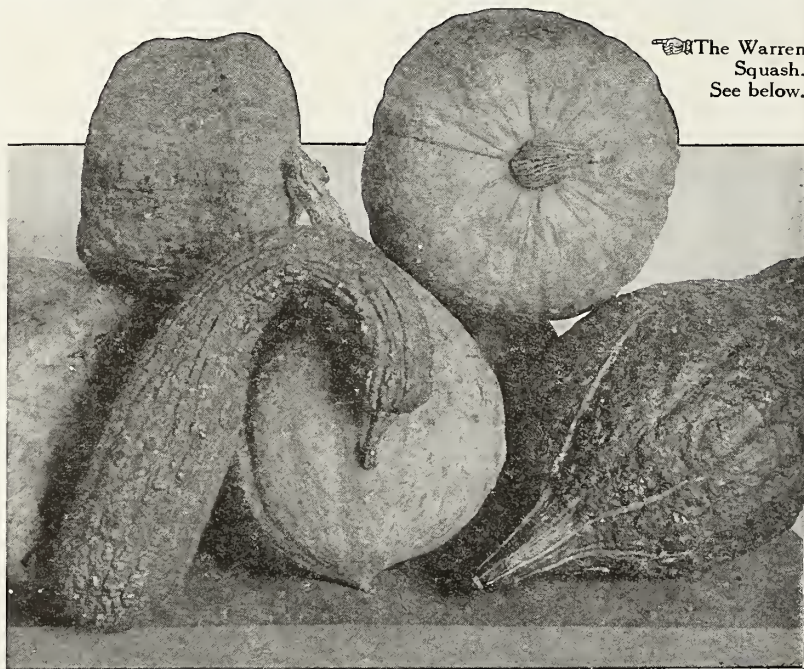
Norfolk Savoy. Hardy and well adapted for winter and early spring. Leaves large and wrinkled like a Savoy cabbage; tender. Pkt. 5 cts., oz. 10 cts., 1/4lb. 30 cts.

New Zealand

Unlike any of the above varieties, this forms large, spreading plants which, when fully developed, cover as much as 5 feet of space in all directions. The tips of the branches are always brittle, tender and appetizing. As the tips of the branches are gathered, the main stalks produce side-shoots at the leaf-joints, and it seems that the more one gathers the faster it develops. Bears all summer. New Zealand Spinach is truly the perpetual summer Spinach for all. Pkt. 5 cts., oz. 15 cts., 1/4lb. 55 cts., lb. \$2.

A Remarkable Tool

Let some of our readers have not as yet taken notice of the particular tool or cultivator pushed by the soldier boy in the garden shown on front cover, let us tell you that this is the Barker Mulcher, Weeder, and Cultivator. It is one of the most powerful of modern tools developed in recent years and deserves the title of the best all-round three-in-one Cultivator yet evolved. It has three strong cultivator teeth on one side. When reversed it is transformed into a sharp weed-cutter. In the picture the blade may be seen above the tool. Between this blade and cultivator teeth are a series of sharp knives which revolve as the Cultivator is pushed, very much on the lawn-mower principle. This series of knives not only pulverizes the soil, forming a perfect dust-mulch, but they also chop to pieces the weeds that are pulled up, so that they quickly wilt and again become plant-food. The Barker Cultivator, 8 1/2 D, cultivating a strip 8 1/2" wide, at \$8.25 each, is a substantial labor-saver, built so strongly that it will last for years.



The Warren Squash. See below.

Upper row: Warren Squashes. Lower row: Golden Summer Crookneck, Boston Marrow (center) and Warted Hubbard



In a dandy patch of
Bonny Best

Tomatoes

For early use, sow in February or March in hotbeds, or in boxes or pots set in the warm window. When the seedlings are about 2 inches high, transplant them to pots or in rows 4 to 5 inches apart, keeping the temperature at about 60°. Subsequent transplanting will make them branching and stocky, but do not set them in the open ground until all danger from frost is past; then plant them in a warm, sunny place, and water them freely until they are well established. An ounce of seed will produce about 1,000 plants.

How to Stake and Prune for Biggest Crops Staked plants will bear from 30 to 50 per cent more of perfect fruits than any plants that spread over the ground. About July 4 place 5-foot stakes within 2 inches of the base of each plant. Then, with a sharp knife reduce each plant to 3 of the strongest branches. Tie the branches to the stake, and as the branches climb, remove all side-shoots at base of plant and all suckers which develop at the leaf-joints. When the plants reach the top of the stakes, begin to prune out the centers also. Constant pruning will give you the type of clusters and fruit as shown in illustration.

The Choicest Scarlet Sorts

Bonny Best

One of the best extra-early scarlet sorts for home-gardens having light soil. In our own garden, last season, Bonny Best out-yielded every other variety on trial, with the exception of Globe, described on next page. Bonny Best fruits average slightly larger than those of Manyfold, but, as shown in illustration above, the plants are almost as prolific. The one drawback is Bonny Best's short season of bearing. However, it bears enough during its season to make it a most profitable variety for most anybody anywhere. **Pkts. 5 cts. and 10 cts., oz. 40 cts., 1/4lb. \$1.50.**

Sparks' Earliana. Ready to pick 100 days after seed is sown. Medium size, handsome shape and beautiful red; solid and of rather acid quality. Season of bearing short. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Chalk's Jewel. Within 10 days as early as Earliana, and the fruits are of much larger size, bright red, smooth and solid. One of the heaviest bearing sorts in cultivation. **Pkts. 5 cts. and 10 cts., oz. 40 cts., 1/4lb. \$1.50.**

John Baer. An extra-early scarlet variety. Fruit very round, smooth, firm, and of excellent quality. **Pkt. 10 cts., oz. 45 cts., 1/4lb. \$1.50.**



New Manyfold—just as it grows

New Manyfold

Manyfold Tomato does not exceed 2 to 2½ inches in diameter. Exceptional specimens, measuring 3 inches in diameter, have been grown on unusually rich soil, though the greatest merit of Manyfold lies in the abundance of perfect globe-shaped fruits which it bears. Plant shown alongside tells the story better than words can. Manyfold is good for eating raw. It makes the finest stewed Tomatoes, and is also ideally adapted for canning and ketchup-making. **Pkt. 15 cts., 1/2oz. 50 cts.**

Matchless. Fruit large, rich cardinal-red; skin tough; flesh very solid. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Hummer. Bright scarlet; of good size. Quite early and of fine quality. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Stone. The greatest canning Tomato on record. Large, smooth fruits of bright scarlet; solid and meaty. **Pkts. 5 cts. and 10 cts., oz. 40 cts., 1/4lb. \$1.50.**

Greater Baltimore. Second-early. Fruit large; bright red; produced in clusters. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Rock Red. Fruit large, very smooth, solid, and bright red; very meaty and free from core. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Duke of York. Medium late. Recommended for the South, but has proven excellent in this section. Fruit very large. **Crimson. Pkt. 10c., oz. 50c., 1/4lb. \$1.50.**

Purple Tomatoes

Broadly speaking, these are very much milder flavored than the bright red kinds described on preceding page. Their color causes them to be more in demand in some markets than in others. Some people are inclined to think that they are not so good for canning as the bright red kinds. As to this, we have yet to find a Tomato that will turn out a finer canned product or handsomer ketchup than the Globe and we heartily recommend it.

Globe. The cluster shown in illustration alongside tells the whole story. In our opinion, Livingston's Globe is the most thoroughbred, most productive, and handsomest of all purple varieties in cultivation today. This does not mean that the other varieties on this page do not have peculiar merits of their own, but it will be difficult to find one that will produce as handsome globe-shaped fruits, with as smooth a skin, of as good size, and with as firm flesh as Globe. As a variety for slicing for table use it is hard to excel. **Pkts. 5 cts. and 10 cts., oz. 40 cts., 1/4lb. \$1.50.**

Truckers' Favorite. Very much later than Globe and the individual fruits average larger. This is the standard main-crop purple sort in many eastern markets. In solidity, smoothness, and quality of flesh it has few competitors. **Pkts. 5 cts. and 10 cts., oz. 40 cts., 1/4lb. \$1.50.**

Ponderosa. The largest fruited of all Tomatoes, regardless of color. In its present state of perfection, much of the roughness in the fruit, for which this sort was noted, has disappeared. Look at the plant below. Properly treated and pruned as described on preceding page, it is nothing unusual to gather from 20 to 30 large fruits, borne generally in clusters of 3, each cluster weighing from 1 1/2 to 2 pounds. Our strain of Ponderosa will measure up to the requirements of the most exacting. **Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.75.**



Globe Tomatoes. Ideal in size, shape and quality

June Pink. As early as Earliana, but pink in color; more perfect fruit, extremely productive, and not subject to blight. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Early Detroit. A large and early purplish pink Tomato. Fruits smooth, uniform and nearly globe-shaped. Quality excellent. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Beauty. Glossy crimson; large, smooth, solid, never cracking; holds its size well. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Buckeye State. Large, flat, and broad. Fruits bright red, very smooth and solid. **Pkts. 5 cts. and 10 cts., oz. 40 cts., 1/4lb. \$1.50.**

Small-fruited Tomatoes

Used principally for preserving. All 5 cts. and 10 cts. per pkt., oz. 35 cts. **Yellow Plum, Yellow Pear, Red Pear, Yellow Cherry, Red Currant, Yellow Peach, Red Peach, Red Cherry, Red Plum, Golden Husk, Purple Husk.**



Ponderosa

The Dwarf Kinds

These differ from the standard sorts by forming plants of a compact, bushy, erect habit of growth. When fully grown, plants average 3 feet tall by 2 feet across. They should be tied to short stakes. Ideal for small home-gardens.

Dwarf Giant, or Dwarf Ponderosa. Fruit very large; purple-crimson; contains few seeds. **Pkt. 10 cts., oz. 45 cts., 1/4lb. \$1.50.**

Dwarf Champion. Plants compact, stocky, and upright; fruit ripens very early and the plants yield enormously. The fruit is always smooth and handsome, with few seeds, ripening close to the core, and never cracking. Resembles Acme. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Dwarf Stone. Fruit red, large, early; smooth and very prolific. While, of course, not as large-fruited as tall or standard Stone, they average larger than those of Dwarf Champion and are more solid. **Pkts. 5 cts. and 10 cts., oz. 35 cts., 1/4lb. \$1.25.**

Yellow and Forcing Tomatoes

Yellow Ponderosa. Similar to Ponderosa; color a rich, golden yellow. **Pkt. 10 cts., oz. 45 cts., 1/4lb. \$1.50.**

Stirling Castle. (Forcing.) Fruit of medium size; bright red. **Pkt. 10 cts., oz. 50 cts.**

Lister's Prolific. (Forcing.) A great producer of handsome clusters of choice fruits. **Pkt. 10 cts., oz. 50 cts.**

Carter's Sunrise. Most prolific strain of medium-sized, bright scarlet fruits. **Pkt. 10 cts., oz. 50 cts.**



Truckers' Favorite

Turnips

For early, sow as soon as the ground can be prepared, in drills 15 inches apart, and thin the plants to stand 8 inches apart. Sow for succession at intervals of a fortnight, until the last week in July, and from that time onward until the last of August sow for main crop. The sowing should always be made just before a rain, if possible, as the success of the crop depends, in a great measure, upon quick germination and rapid growth of the young plants. An ounce of seed will sow 150 feet of drill; two pounds will sow an acre.

White-fleshed Sorts

Extra-Early White Milan. Very early; of fine quality. Within 50 days after sowing seeds, White Milan will perfect roots 2 to 2½ inches in diameter, as shown in illustration. Pkt. 10c., oz. 25c., ¼lb. 75c.

Extra-Early Purple-Top Milan. Like the preceding, except in color. Crop failed.

Purple- or Red-Top Globe. Remarkable for its heavy yield per acre. Pkt. 5 cts., oz. 20 cts., ¼lb. 60 cts.

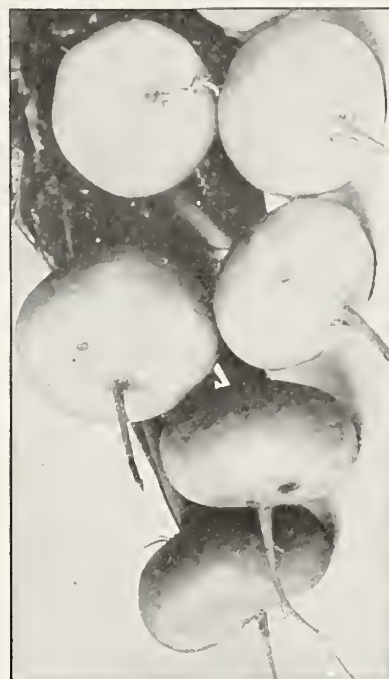
Large White Globe. Skin is pure white. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

White Egg. Handsome oval-shaped; tender flesh. Pkt. 5 cts., oz. 20 cts., ¼lb. 60 cts.

Purple-Top Strap-Leaf. Grown largely for fall and winter crops. Pkt. 5 cts., oz. 20 cts., ¼lb. 60 cts.

Cow Horn. White, fine-grained, sweet flesh. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Seven Top. Tops used as greens; roots of no value. Pkt. 5 cts., oz. 10 cts.



White Milan Turnips



Purple- or Red-Top Globe Turnips

Yellow-fleshed Sorts

As a rule these mature later than the white kinds, but their flesh is firmer and they keep better.

Golden Ball. Yellow-fleshed, sweet, and of fine flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Yellow Aberdeen. Round, yellow-fleshed, and firm. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Rutabagas, or Swedes

These are grown chiefly for stock, but are excellent for cooking in spring.

Improved American. Large, firm, yellow roots; are hardy and well flavored. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Sweet German. Large, white; fine quality. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Sweet and Medicinal Herbs

Used for various culinary and medicinal purposes. Sow seeds of the perennials, marked thus (*), carefully in hotbeds early in the spring, and at the proper time transplant in permanent beds, in rows about 18 inches apart, setting the plants a foot apart in the row. In the winter they should be slightly protected with manure. The others are annuals, coming to perfection the first year, after which they die. Sow them in the open air, early in the spring, in drills 12 to 15 inches apart, and thin out.

How to Grow Culinary Herbs. By M. G. Kains, 75 cts.

All varieties, 5 cts. per packet

Balm. Made into balm tea for fevers.

Bene. Leaves make a mucilaginous drink.

Borage. A pot-herb and for bees.

Basil, Sweet. For soups and stews.

Burnet. For salads and soups.

Caraway. Seeds are used in cakes, etc.

Chervil, Curled. For soups and salads.

Chives.* Used for garnishing.

Coriander. Seeds used in confectionery.

Dill. Used for pickling. Oz. 15 cts.

Fennel.* Used for pickling and sauces.

Fennel, Florence. Resembles celery in flavor.

Horehound.* Valuable for medicine.

Lavender (True). Used in perfume.

Marjoram, Sweet. Used for seasoning.

Marjoram, Pot. Used for seasoning.

Pennyroyal.* The true Pennyroyal.

Rue.* Used for medicinal purposes.

Sage.* Used for flavoring.

Savory, Summer. For flavoring.

Thyme. For sauces and dressings.

Thyme, Winter. Used for flavoring.

Vegetable Plants and Roots

Those desiring large quantities should write for special prices

ASPARAGUS ROOTS. Strong, 5-year-old roots for forcing. \$1.25 for 25, \$4 for 50, \$7 per 100.

Palmetto, Selected 2-year-old roots, 40 cts. for 25, 70 cts. for 50, \$1.25 per 100, \$4.50 for 500, \$8 per 1,000. **3-year-old roots,** 60 cts. for 25, \$1 for 50, \$1.75 per 100, \$7.50 for 500, \$14 per 1,000.

CHICORY ROOTS, Witloof. For forcing. \$2.50 for 25, \$4.25 for 50, \$8 per 100.

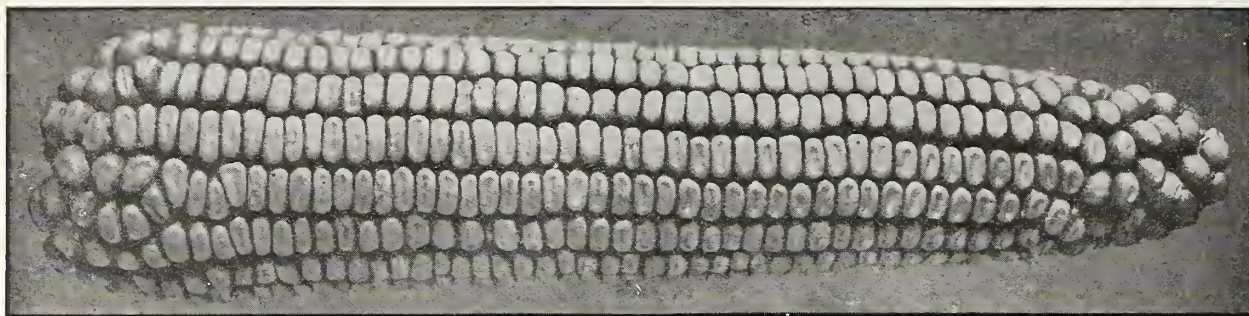
RHUBARB ROOTS. 15 cts. each, by mail 20 cts.; \$1.25 per doz., \$7 per 100.

Mammoth Clumps for Forcing. \$1 each, \$10 per doz.

CHIVES. Per clump 15 cts., by mail 20 cts.; \$1.25 per doz.

HORSE-RADISH ROOTS, Maliner Kren. A new variety from Bohemia. Far superior to the old variety. Will produce roots for grating five months from planting. White as snow, free from disease and grows to enormous size when left in the ground until spring. The most profitable variety to grow. 20 cts. per doz., by mail 25 cts.; \$1 per 100, \$4.50 for 500, \$8 per 1,000.

THE FOLLOWING PLANTS, ALL IN THEIR SEASON. Beets, Brussels Sprouts, Cabbage, Cauliflower, Celery, Celeriac, Eggplant, Endive, Kohlrabi, Leek, Lettuce, Pepper, Tomato. Ask for prices.



Miscellaneous Field Seeds

Note, with Special Reference to Prices. At the early date at which, of necessity, this catalogue goes into the printer's hands, many of the seeds listed on this and the three following pages are still in the fields, curing or being harvested. It is physically impossible, therefore, to give prices, except in isolated instances. However, to protect our customers, as well as ourselves, we shall at all times be glad to submit latest quotations on any of the items listed, be they priced now or not. We know that, as the crops are turned into the warehouses and the fit is separated from the unfit, the price situation becomes an easy matter to solve, and we feel sure that by taking this stand we are protecting the best interests of our customers as well.

All 2-bushel cotton sacks used in shipments are charged at cost price, 65 cts.

Pedigree Field Corn Seed

Thoroughbred, hand-picked stock. Tipped and butted before shelling and of the highest germination. Write for samples.

Big Whiskey. Large-yielding variety. Rich golden yellow grains; cob medium size and grains deep. Rich in feeding value, and will mature anywhere in the Corn-belt.

Golden Surprise. This variety will mature as far north as any Dent Corn grown. Ears 8 to 10 inches in length, with deep yellow grains.

Improved Leaming. Extensively grown; ears uniform, medium to large, well filled from tip to butt, $8\frac{1}{2}$ to 11 inches long, $7\frac{1}{2}$ to $8\frac{1}{2}$ inches in circumference, 16 to 24 rows. Kernels rich, golden glossy yellow, square and deep. Matures in 90 days.

Iowa Silver Mine. One of the best-known and most firmly fixed main-crop varieties of pure white Field Corn. The ears require from 120 to 130 days to mature, growing to very large size and carrying from 14 to 20 rows of exceedingly handsome kernels.

Reid's Yellow Dent. One of the best varieties grown. Ears 9 to 10 inches long, 16 to 20 rows; kernels light yellow, deeply dented; cobs medium size. Yields 85 to 100 bushels to the acre. Matures in about 110 days.

White-Cap Yellow Dent. Never fails to ripen. Ears large; deep kernels, with a color-tip to each kernel.

CORN, Red-Cob Ensilage, Cuban Giant Ensilage, Eureka Ensilage. Market prices.

POP-CORN, White Rice, Golden Queen.

Oats, Choicest Montana-Grown

Clydesdale. The heaviest Oats grown. Our stock is grown from imported seed, and will produce a heavier grade of Oats than other varieties. Very productive; grains large and plump. Straw strong and heavy. **Bus. (32 lbs.)**

Early Newmarket. An unsurpassed new line of English pedigree Oats. Of very vigorous growth, with late and strong straw. Very early and producing heavy crops of large plump Oats with very thin heads. **Bus. (32 lbs.)**

Swedish, or Washington. Earliest of the heavy-yielding sorts; grains white, large, and plump. Very prolific. **Bus. (32 lbs.)**

Storm King. Grains short, plump and thin-skinned. A heavy cropper. Straw stiff and strong.

Small Grain Crops

All prices subject to change. See note above

BARLEY, Beardless, Northern-Grown.

Earlier than any other Barley, and a heavier yielder. Write for prices.

BUCKWHEAT, Japanese.

FLAX SEED. Write for prices.

Small Grain Crops, continued

RYE, Winter. Used principally as a cover-crop and as a soiling-crop, to be turned under as green-manure. (See next page.)

Spring. Prices variable.

SPELTZ, or EMMER. A grain introduced from Russia, adapted to poor and dry soils. Has valuable feeding qualities.

WHEAT, Klondyke, Red Wave. Write for prices.

Spring Variety, in season. Prices on request.

Sorghums and Other Forage Plants

FETERITA. Planted and cultivated same as Kaffir Corn. Is earlier and more drought-resisting. Write for prices.

KAFFIR CORN, White. Market price.

MILLET, Southern German, or Golden. Write for prices.

Japanese. Write for prices.

RAPE, Dwarf Essex. Sometimes used as a soiling-crop, but most useful as forage for sheep and pigs.

SORGHUM, Early Amber. Market price.

SUDAN GRASS. A new grass, yielding immense quantities of hay of nutritious quality. Recommended especially for central and southern states.

Farmogerm

High-bred nitrogen-gathering bacteria for Clovers, Cowpeas, Soja Beans, Vetches, Garden Peas and Beans, Sweet Peas. Makes poor soil good to raise the largest and best crops of the above and other legumes. Farmogerm will do it, and also add nitrate to the soil to benefit future crops of the same kind.

Write for booklet giving all necessary information.

No. 1. For Alsike, Crimson, Red and White Clover.

No. 2. For Alfalfa.

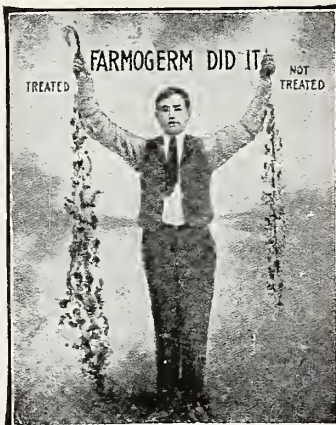
No. 3. For Canada Peas and Vetches.

No. 4. For Cowpeas and Soja Beans when sown in mixture.

No. 5. For Garden Beans and Peas and Sweet Peas.

Prices, postpaid, for 5 acres, \$7.50; for 1 acre, \$2; for $\frac{1}{4}$ acre or garden size, 50 cts.

All-Garden-Crop Farmogerm. A new preparation and at same prices as the above. Put up in vial and contains a number of species of different soil bacteria, which are valuable in building up the soil generally, as well as inoculating leguminous plants. In many cases it gives results equal to Farmogerm for legumes, but, as the preparation is still in the experimental stage, we can only recommend it for trial.



Valuable Soiling-Crop and Soil-Enrichers

Secure greater yields by using Green Crops instead of Manure

The use of leguminous or nitrogen-gathering forage plants as a means to replenish soil fertility has increased by leaps and bounds. There are weighty reasons for this. One in particular is that green-manuring crops increase the moisture-holding capacity of soils, and lighten heavy clay soils, as explained by the United States Department of Agriculture. The New Jersey Experiment Station calculates that two crops of green manure contain as much phosphoric acid and potash and nearly as much nitrogen and organic matter as 20 tons of stable manure. Although the potash and phosphoric acid are not added to the soil, they are returned in quickly available form.

If the green manure used is a legume, nitrogen is added to that already in the soil. Moreover, it is expensive to handle the stable refuse, while the green-manuring crop can be grown directly on the impoverished land and be plowed under when it has attained the proper growth.

Lasting Effects of Green-Manure Crops. One of their Most Valuable Characteristics

The effect of a green-manure crop of cowpeas is evident for two or more years after the crop has been turned under, according to the results of experiments conducted in Alabama. The Canada Experiment Farm, at Ottawa, ascertained that the effect of a turned-under crop of red clover was still strongly evident after the third year.

A green-manuring crop should be turned under at least two weeks before the next crop is planted. In plowing down the catch-crop, the furrow slice should be laid slanting, at an angle of 30 to 40 degrees with the horizontal. Directly after plowing, the field should be rolled thoroughly, as this hastens decay and prevents the drying out of the soil. A liberal application of lime or land plaster is recommended after plowing down crops making a heavy leaf-growth.

The principal green-manuring crops now in extensive use are listed below and on page 34.



Soy Beans

The Most Important Forage Crops (Legumes)

For Inoculating Clover and Legumes, see Farmgerm, page 34

Soy Beans. The rapid rise of the Soy Bean to a position of prominence in American agriculture is due to its manifold merits. Soy Beans not only make excellent hay but are one of the best green crops to plow under as a soil-enricher. The seed of Soy Beans analyzes higher nutritive values than linseed meal. While the plant perfects a fine amount of herbage and bears grain containing the highest per cent of protein and fat of any grain produced in the country, the roots are busy storing nitrogen in the soil, leaving same in better condition after the crop is harvested than it was before. The varieties grown most are Medium Green, Early Soja, and Ito San. Write us for prices and samples.

Cowpeas. Valuable as either a soiling-crop, or for hay. As a soiling-crop, they do not come up to soy beans in nitrogen content, but as a hay plant, and as a crop for feeding right off the field, they are of particular merit, especially in the South. Varieties: Whipoorwill and Clay are the most popular. Prices on request.

Canada Field Peas. Perhaps the best forage plant for very early spring. For best results it should be sown as soon as you can get it in

the ground—in our section, probably in March. Canada Field Peas absolutely need cool, moist weather for best development. As a rule, it is planted with oats, and sometimes with Spring Vetch or Dwarf Essex Rape. Crop is generally ready for pasture about the middle of May. Used with oats, sow a bushel each of oats and Field Peas per acre. Prices on request.

Vetches. As a soiling-crop, to make poor soil better, these have few equals. Plants make a luxuriant growth and, for best results, should be planted with rye or soy beans. May also be broadcasted in the cornfield.

Sand, Hairy, or Winter Vetch. Generally planted in early fall or late summer, to afford pasture the following spring. It is perfectly hardy and makes a big mass of herbage by middle of May, from seeds sown the previous fall. One of the greatest soiling-crops to build up thin or run-down land. Write for prices.

Spring Vetch (*Vicia sativa*). Very similar to Hairy Vetch in general appearance but not so large nor so hardy. Sown in the spring only. Write for prices.

Clovers

(Highest Grade Seed Only)

Alfalfa (*Medicago sativa*). Stacks of books have been written setting forth the merits of this wonderful forage plant, the introduction of which into our own corn-belt has added untold millions to the wealth of our farmers. It seems as though Alfalfa will grow on any well-drained soil. It is particularly adapted to uplands and soils containing an abundance of lime. As a soil-enricher, Alfalfa has few equals. It roots very deeply. All along its roots are the valuable nitrogen nodules. After a field has been in Alfalfa for several years, it is in better shape than it can ever be put by using tons and tons of manure during the same period. Grow more Alfalfa. We carry the highest grade northern-grown seed only. **35 cts. per lb.** Larger quantities at market prices, for which please write.

Crimson Clover (*Trifolium incarnatum*). A great soil-enricher, producing wonderful crops of delicate herbage that is greedily eaten by all live-stock. Also a great plant for bees. **Lb. 30 cts.** Larger quantities at market price.



White Dutch Clover

Clovers, continued

Alsike (*Trifolium hybridum*). Fine for pasturage or for ensilage. **Lb. 40 cts., bus. of 60 lbs., market price.**

Bokhara Sweet Clover (*Melilotus alba*). Very valuable for soiling. Grows to a height of 3½ to 5 feet. Grown on rich soil, it can be cut as many as three times a season. Good for ensilage and bees. Will last two years if cut before it blooms. **Lb. 35 cts., 25 to 100 lbs., market price.**

Medium Red (*Trifolium pratense*). This is the well-known Red Clover of our farms. Every farmer knows the value of good Clover hay, and besides bearing wonderful crops on top of the soil, the roots are constantly at work enriching the soil with nitrogen. Every farmer should have either an alfalfa or Clover field—better still, both. Write for market prices and samples.

Mammoth Red (*Trifolium pratense perenne*). Best grade. **Bus. of 60 lbs., market price.**

White Dutch (*Trifolium repens*). Very scarce. The best variety for lawns, as it forms a close herbage and remains green throughout the season. **Fancy Grade, lb. 65 cts., 10 lbs. \$6.30.**

Highest-Grade Grass Seeds

Prices of Grass Seed fluctuate; rates here given are for those ruling at this date. For Grass Seed wanted by mail, add postage at your parcel-post zone rate. Write for special prices on large quantities.

We sell only the highest grade of Grass Seed produced; of most other Grass Seeds here offered there are various grades on the market—as many as five grades of some varieties. The weight of the best grades of Grass Seed is in some cases double the weight of lower grades of seed, consequently there is a corresponding difference in value and cost. We shall be pleased to submit samples.

Grasses marked with an asterisk (*) are imported from Europe and, owing to the present embargo on same, there is no probability that we will be able to secure any stock for the season 1919. Prospective buyers, however, can write us later on, as in the event of the embargo being raised, we will be able to supply.

Kentucky Blue Grass (*Poa pratensis*). This is the well-known standard American grass which furnishes the natural pasture throughout the states embraced by the corn-belt. It thrives anywhere, though it displays a distinct preference for soils containing lots of lime. Where permitted to develop in its natural way, it grows from 10 to 15 inches high and thrives year after year. Sown alone, it requires 40 pounds per acre. Our seed is of extra fancy quality, free from chaff and put down as easily as timothy. **Lb. 35 cts., bus. of 14 lbs. \$3.90, 100 lbs. \$27.**

Orchard Grass (*Dactylis glomerata*). A grass that deserves a place on every farm. It will stand more rough treatment in the way of tramping on than any other grass we know. Another valuable characteristic is that, because the seed is coarse and of very vigorous vitality, it takes hold well on even poor seedbeds. It thrives on poorest soil, does well even in shaded situations, and yields an excellent amount of forage. To grow as hay, either alone or in conjunction with other grasses, it will be found a most profitable grass into which to put run-down acres or hillsides too rough to cultivate otherwise. Sow at the rate of 20 to 25 pounds per acre. Choicest grade seed only. **Lb. 40 cts., bus. of 14 lbs. \$4.50, 100 lbs. \$31.**

Timothy (*Pbleum pratense*). The great American hay crop. Under favorable conditions it grows 4 to 5 feet tall, and, being perfectly hardy, it thrives year after year. It is generally sown with red clover at the rate of 8 to 10 pounds per acre, using 3 to 4 pounds of clover at the same time. Best grade only.

Market Prices.

Crested Dog's-Tail (*Cynosurus cristatus*). Valuable for pasture on hard, dry soils. **Bus. 21 lbs. Lb. 45 cts., 10 lbs. \$3.85, 100 lbs. \$36.**

Italian Rye (*Lolium italicum*). Thrives in any soil, and yields abundant crops. **Bus. 22 lbs. Lb. 30 cts., 10 lbs. \$2, 100 lbs. \$17.**

Perennial Rye (*Lolium perenne*). Affords pasture very early in the spring. Sow early in the spring at the rate of 1 to 1½ bushels to the acre. **Bus. 22 lbs. Lb. 35 cts., 10 lbs. \$2.70, 100 lbs. \$23.**

Meadow Fescue (*Festuca pratensis*). Valuable for mixtures for permanent pastures. Write for prices.

Red-Top (*Agrostis vulgaris*). Very suitable for pasture on low ground. **Fancy, lb. 30 cts., 10 lbs. \$2.20, bus. of 32 lbs. \$5, 100 lbs. \$20.**

Red-Top, Choice. **Lb. 20c., 10 lbs. \$1.70, bus. of 14 lbs. \$2.10, 100 lbs. \$15.**

Red or Creeping Fescue (*Festuca rubra*). Very suitable for sandy or dry, impoverished soil, gravelly banks or bleak hillsides; withstands extreme drought. **Bus. 14 lbs. Lb. 60 cts., 10 lbs. \$5, 100 lbs. \$46.**

Yellow Oat Grass (*Avena flavescens*). Adapted for sowing in mixture with other grasses for dry meadows and pastures. **Lb. 90 cts.**

*Creeping Bent.

*Fine-leaved Fescue.

*Hard Fescue.

*Meadow Foxtail.

*Rhode Island Bent.

*Rough-stalked Meadow.

*Sweet Vernal.

*Sheep's Fescue.

*Tall Meadow Fescue.

*Tall Meadow Oat.

*Various-leaved Fescue.

*Wood Meadow.

Special Grass Seed Mixtures

For Permanent Hay Crops and Pastures, Sown Either in Spring or Fall

These mixtures are a combination of the most suitable grasses and clovers, the proportionate quantities of each being determined by the nature of the soil where they are to be sown, the situation and the purpose intended for. A blend of the most suitable grasses and clovers both for hay and pasture produces larger and more satisfactory crops than when only one or two varieties are sown.

Permanent Mixtures for Hay

For Medium Land. 2 bus. to the acre. **Bus. of 21 lbs. \$5.**

For Dry Land. 2 bus. to the acre. **Bus. of 20 lbs. \$5.25.**

For Heavy, Wet Land. 2 bus. to the acre. **Bus. of 21 lbs. \$5.**

Permanent Mixtures for Pasture

For Medium Land. 2 bus. to the acre. **Bus. of 21 lbs. \$5.25.**

For Dry Land. 2 bus. to the acre. **Bus. of 20 lbs. \$5.50.**

For Heavy, Wet Land. 2 bus. to the acre. **Bus. of 21 lbs. \$5.25.**



Kentucky Blue. The great American utility grass



Orchard Grass. Fine for hay and pasture

Northern-Grown Seed Potatoes

Our Potatoes are all choice northern-grown stock, grown especially for seed. We send out no Potatoes in spring before danger of frost is past.

Prices on Seed Potatoes at date of issue of this catalogue are unsettled, and as there is no certainty whether prices will prevail or depreciate, we can make no prices to base sales on. Intending purchasers will please send us list of their requirements in Seed Potatoes and we will then in due time quote best market prices.

The Potato. By Samuel Fraser, 75 cts.

The Bovee. Early as any Potato yet introduced. In competitive trials with other early sorts it has outyielded them all. Vine dwarf and stocky; tubers grow very close together in the hills.

Country Gentleman. Resembles Beauty of Hebron, but ripens later and yields better crops.

Carman No. 3. A very popular and reliable late variety. Large, oblong, slightly flattened.

Early Ohio. Leading early Potato. Tubers rough in the skin; nearly round, and quite distinct in appearance; cook dry and mealy.

Early Puritan. Skin and flesh white; cooks dry and floury; very productive.

Early Six Weeks. Of the Ohio class. Extra early and of good quality while still young.

Early White Albino. This new early Potato is a good cropper. The skin and flesh are extremely white, of exceptionally good cooking quality, and very prolific; fully as early as the old Early Rose in maturing.

Green Mountain, Improved. (See illustration.)

It has all the good qualities of Green Mountain, except it is a trifle whiter in color and the skin is more netted. It grows round to oblong, somewhat flattened; eyes shallow; stubby and does not grow very long. Soon after the stalks appear will make a vigorous, rapid growth, set a large number in the hill and mature to the best marketable size a few days earlier than its parent.

Irish Cobbler. Good all-round, extra-early Potato; uniform, productive and fine quality.

Norcross. Late-maturing, somewhat blocky in shape, smooth surface, very excellent table quality, cooking dry and mealy. Grows a thrifty, upright top, with large leaves. Withstands blight.

Restaurant. A heavy yielder for the main crop; hard to surpass. For a heavy crop of large, handsome Potatoes plant this one.

Rochester Rose. An improvement on Early Rose. Larger in size, fully as early and a heavy yielder.

Sir Walter Raleigh. New, large, smooth, oblong, white; heavy main-crop yielder.

Vermont Gold Coin. A fine main crop variety. Immensely productive; always cooks dry, and of finest quality; tubers slightly oblong with small eyes. The thin, smooth skin is of a distinctly light, golden-tinted color, which distinguishes this variety from the white-skinned sorts.

Green Mountain



Sweet Potatoes

Nansemond, or Yellow Jersey. The leading variety. Because they are perishable, we keep no stock, but book orders in advance.

Hybridized Potato Seed

This seed will produce numerous new varieties. Some of them may prove of great value and bring you a golden harvest. Easy to grow. Full directions on each packet. **Pkt. 15c., 2 for 25c., 5 for 50c.**

Useful Books

Farm Crops

ALFALFA. By F. D. Coburn	\$0 50
CLOVERS and HOW TO GROW THEM. By Prof. Thomas Shaw	1 00
FARM GRASSES OF THE UNITED STATES OF AMERICA. By William Jasper Spillman	1 00
FORAGE CROPS OTHER THAN GRASSES. By Prof. Shaw	1 00
SILOS, ENSILAGE, AND SILAGE. By Manly Miles	60
WHEAT CULTURE. By D. S. Curtis	50

Farm Science

BOMMER'S METHOD OF MAKING MANURES. By Bommer	1 00
FIRST PRINCIPLES OF FEEDING FARM ANIMALS. By C. W. Burkett	1 50
FIRST PRINCIPLES OF SOIL FERTILITY. By Alfred Vivian	1 00
HOW CROPS FEED. By Prof. Samuel W. Johnson	1 50
HOW CROPS GROW. By Prof. Samuel W. Johnson	1 50
OUR FARM OF FOUR ACRES AND THE MONEY WE MADE BY IT. By M. T. Masters	1 00
SOILING CROPS AND THE SILO. By Prof. Thomas Shaw	1 50
SOILS. By C. W. Burkett	1 25
SOILS AND CROPS. By Hunt and Burkett	1 50
THE SOIL OF THE FARM. By John Scott and J. C. Morton	1 00
THE STUDY OF CORN. By Prof. V. M. Shoesmith	60

Vegetable Crops

ASPARAGUS. By F. M. Hexamer	\$0 60
BEAN CULTURE. By Glenn C. Sevey	60
CABBAGE AND CAULIFLOWER. By C. L. Allen	60
CELERY CULTURE. By W. R. Beattie	60
SWEET CORN. By A. E. Wilkinson	75
THE BOOK OF CORN. By Herbert Myrick	1 50
MELON CULTURE. By J. Troop	50
PEAS AND PEA-CULTURE. By G. C. Sevey	50
HOME VEGETABLE GARDENING FROM A-Z. By Adolph Kruhm. The most comprehensive book on the subject to date. About 300 pages, printed on high-class, coated paper, fully illustrated with more than 200 photographic reproductions, and 32 four-color illustrations. Cloth. Postpaid.	1 35
VEGETABLE GARDENING. By R. L. Watts. Of particular value to market-gardeners	1 75
INSECTS INJURIOUS TO VEGETABLES. By F. H. Chittenden	1 50
SPRAYING CROPS. By C. M. Weed	60

Floriculture

HOME FLORICULTURE. By Eben E. Rexford	1 00
THE PROPAGATION OF PLANTS. By Andrew S. Fuller	1 50
THE WINDOW FLOWER GARDEN. By Julius J. Heinrich	50

Beckert's Select Flower Seeds

In the following pages we offer a **carefully chosen** list of **Flower Seeds**, in which no want of the flower-garden has been neglected, the numerous varieties insuring a wide range of color, form, height, habit and season, thus permitting selection for any and every ornamental purpose.

Please use the **Order Sheet** that is inclosed in catalogue; by so doing, the filling of orders is speeded, and the chance of errors lessened. The complete index will contribute to an easy and rapid selection of seeds wanted.

Explanation of Abbreviations Used in the Descriptions

Hardy Annuals, HA. These should be sown outside in April or May, according to season, latitude, and condition of soil; or they may be sown at a somewhat earlier date in a hotbed or greenhouse, the combining of the two methods being advisable, thereby providing for a succession of plantings if both sowings prosper. Seed sown under glass will also produce earlier-blooming plants than seed sown outdoors. The soil should be rather light and rich, and for outdoor sowing it must be thoroughly dug up, well raked and leveled. The coarser seeds are to be covered to once or twice their thickness, while very fine seeds are merely to be pressed into the soil. All sowing should be firmed with a board or the hand, as this hastens the germination of the seed as well as promotes its regularity. For indoor sowing, use shallow boxes of several inches in depth, and of a size to suit. Careful attention is required as soon as the seed is sprouted that seedlings may not suffer for lack of moisture, and of air if grown indoors.

Half-Hardy Annuals, HHA, Half-Hardy Biennials, HHB, and Half-Hardy Perennials, HHP. These may be sown indoors, as above directed, from March to May, and outdoors after the middle of May. Many of the Biennials and Perennials will bloom the first season if sown early.

Hardy Biennials, HB, and Hardy Perennials, HP, can be sown outdoors as soon as the soil is in good tillable condition. If sown early indoors, many of them will bloom the first season. Sowings made from July to September will produce well-established plants for the next season. These should be somewhat protected during the winter. Many seeds of Hardy Biennials and Hardy Perennials are of very slow germination, and seeds of such should not be condemned as bad if a quick germination does not show.

Tender Annuals, TA, Tender Biennials, TB, and Tender Perennials, TP, can be sown in March in the greenhouse or in hotbeds in shallow boxes. Transplant to secure sturdy plants, which can then be planted outdoors after danger of frost is over, about May 15.

HHA, HHB, and HHP designate Half-Hardy Annuals, Biennials and Perennials.

HB and HP designate Hardy Biennials and Perennials.

TA and TP designate Tender Annuals and Perennials.

Any species or variety to which no letters are affixed are to be considered as Hardy Annuals.

All Flower Seeds in pkts., by the oz., or $\frac{1}{4}$ lb., are sent postpaid at Catalogue Prices

Abutilon (Flowering Maple) TP

Valuable house-plants, as well as suitable for the garden. If sown early, they will bloom the first season, and plants may be lifted in fall and they will flower throughout the winter.

Hybridum maximum. Giant-flowering. 3 to 4 inches across. Flowers upright, not pendent as in the old varieties. Colors range from cream to golden yellow, white to rose, and many intermediate tints. **Pkt. 25 cts.**

Acacia TP

Greenhouse shrub. Very nandsome, ornamental foliage and showy racemes of flowers.

Baileyana. Long sprays of yellow flowers. Fine for cutting. **Pkt. 15 cts.**

Dealbata. Golden yellow sweet-scented flowers. Silvery fern-like foliage. **Pkt. 15 cts.**

ACHILLEA, The Pearl. HP. The double, pure-white-flowered variety; easily grown from seed, and flowers the first season if sown early. In flower from spring to late autumn. **Pkt. 25 cts.**

ACONITUM Napellus (Monkshood). HP. Hardy, herbaceous perennials related to the larkspurs. If sown early, they will usually flower the first year, but flowers are at their best the second year. Thrives well in shady places. Dark blue. **Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.**

ADENOPHORA Potanini. HP. Large, bell-shaped, drooping, beautiful light blue flowers. Grows $1\frac{1}{2}$ feet high. **Pkt. 15 cts.**

ADLUMIA cirrhosa (Allegheny Vine, or Mountain Fringe). HB. A handsome, rapid-growing vine with pink flowers. **Pkt. 15 cts.**

Adonis

Neat, low-growing plants of the easiest culture; fine in masses and are continuous bloomers.

Estivalis (Pheasant's Eye). Bright scarlet. **Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.**

Vernalis (Ox-Eye). HP. Large, yellow, starry flowers. **Pkt. 5 cts., $\frac{1}{4}$ oz. 35 cts.**

AGATHÆA cœlestis (Blue Daisy). TP. A very pretty blue Marguerite with yellow center. Free-flowering and a good bedder. **Pkt. 15 cts.**

Ageratum HHA

Extensively used for borders, ribbon lines, etc. Blooms the entire summer. Sow early for best results.

Blue Perfection. Dwarf; large, deep blue flowers; fine foliage; fine for edging flower-beds or walks. **Pkt. 10c., $\frac{1}{4}$ oz. 35 cts.**

Little Blue Star. Dwarf—4 to 6 inches; suitable for edging; numerous light blue flowers. **Pkt. 25 cts.**

Little Dorrit, Azure-Blue. Dwarf and spreading in habit. **Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.**

Little Dorrit, Pure White. Similar to preceding, except color. **Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.**

Princess Victoria Louise. Dwarf and compact habit; flowers blue with white center. **Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.**



Ageratum, Blue Perfection

Agrostemma

Cœli-rosa fimbriata (Rose of Heaven). Rose-colored. Very free flowering from July to September; nice for cutting. **Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.**

Coronaria atrosanguinea (Mullein Pink). HP. Deep blood-red. **Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.**

AMPELOPSIS Veitchii (Boston Ivy). HP. A very elegant hardy vine, attaching itself to stone, brick or woodwork. The beautiful foliage acquires rich autumn tints. **Pkt. 10 cts., oz. 25 cts.**

Alyssum

Annuals and perennials that are favorites for cutting for bouquets, as well as for edging, boxes, baskets, etc.

Bentharii (Sweet Alyssum). Small, white, honey-scented flowers. Pkt. 5 cts., oz. 30 cts.

Bentharii compactum, Little Gem. Compact, erect-flowering variety; white. 4 to 6 inches. Pkt. 5 cts., oz. 40 cts.

Bentharii procumbens, White Carpet or Dwarf Bouquet. Only a few inches high; of a spreading habit. Pkt. 10 cts., 1/4oz. 25c.

Lilac Queen. Pure lilac; plants dwarf, compact, and of upright growth. Pkt. 10 cts., 1/4oz. 25 cts.

Saxatile citrinum compactum. HP. Dwarf and bushy; masses of pale yellow flowers in spring. 1 foot. Pkt. 5 cts., 1/4oz. 35 cts.



Alyssum Bentharii

Amaranthus TA

Tender, decorative annuals useful for border plants, centers of beds and among shrubbery. They are strong growers and should have 2 to 3 feet space for each plant. Height 2 to 3 feet.

Brilliant. Bright red, tips of branches carmine-rose, red and yellow. Pkt. 10 cts.

Caudatus (Love-Lies-Bleeding). Blood-red; drooping racemes. Pkt. 5 cts., 1/4oz. 20 cts.

Tricolor splendens gigantea (Joseph's Coat). Foliage scarlet, yellow and green. Pkt. 10 cts., 1/4oz. 35 cts.

Anemone (Windflower) HP

Lovely flowers in many shades of scarlet, blue, purple and white; lovely 2 inches and over in diameter, durable, elegant for cutting.

Double Chrysanthemum-flowered. Beautiful flowers in fine mixture. Pkt. 10 cts.

St. Bridg. Produces double and semi-double flowers in a wonderful array of colors. Pkt. 10 cts.

Antirrhinum (Snapdragon) HHP

These bloom the first season if sown early, and make a fine display during the entire season. About 80 per cent of the seedlings come true to color. They form showy beds, whilst the tall varieties form elegant and showy masses of color in the border. The dwarf varieties are suitable for edging and are nice as pot-plants.

GRANDIFLORUM VARIETIES. These grow to a height of 2 to 2 1/2 feet.

- Giant Daybreak-Pink
- Giant Garnet
- Giant Pink
- Giant Rose
- Giant Salmon-Pink
- Giant Scarlet
- Giant Striped
- Giant White
- Giant Yellow

Each of the above, pkt. 10 cts., 1/4oz. 30 cts.; Giant Mixed, pkt. 10 cts., 1/4oz. 25 cts.

Giant Silver-Pink. A new variety. Spikes long and produced in abundance. Pkt. \$1.

Oakledge Favorite Giant Pink (illustration)

Firm salmon-pink flowers of immense size and strong fragrance; vigorous in habit and very free bloomer. Pkt. 50 cts.

Oakledge Favorite Giant Pink, White-throated and White-tubed. Flowers of immense size; fine deep pink color and produced in great abundance. Pkt. 50 cts.



Antirrhinum

Aquilegia HP

Columbine

Are general favorites for borders. They will also do well under the shade of trees. They are among the earliest-flowering perennials and are very easily grown. Many seedlings vary from the type, but all are beautiful. 1 1/2 to 2 feet is their average height.

Long-spurred Hybrids. This strain comprises many new, beautiful and pleasing shades and combinations, and most effective and striking contrasts in the individual flowers, ranging through all shades of lavender, blue, mauve, white, yellow, orange, scarlet, and bright rose-pink. Plants are vigorous and stately in growth, producing abundantly large and elegantly shaped flowers with long spurs, and pale green foliage. Pkt. 25 cts., 1/8oz. 75 cts.

Cærulea (Rocky Mountain Columbine). Flowers large, petals white, sepals deep blue, spurs very long; one of the most beautiful. Pkt. 10 cts., 1/8oz. 30 cts.

Cærulea hybrida Haylodgensis. Flowers large and long-spurred, and of many beautiful colors. Pkt. 25 cts.

Cærulea hybrida, Rose Queen. Beautiful rose shades with white center. Pkt. 25 cts.

Californica hybrida. Mostly with golden petals; sepals and long spurs orange-crimson. Pkt. 15 cts., 1/8oz. 50 cts.

Chrysantha. Large, long-spurred, golden yellow flowers; splendid. Pkt. 15 cts., 1/8oz. 50 cts.

Chrysantha grandiflora alba. Very large and long, pure white flowers. Pkt. 15 cts., 1/8oz. 50 cts.

Chrysantha fl.-pl. Flowers large and double, and beautiful golden yellow in color. Pkt. 25 cts.

Vulgaris fl.-pl. Double varieties mixed. Give an abundant supply of odd and pretty flowers. Pkt. 5 cts., 1/4oz. 25 cts.

Arabis alpina grandiflora superba HP

Very free, spring-flowering plant, with verbena-like heads of snow-white flowers. 3 feet. Pkt. 15 cts., 1/8oz. 50 cts.

Asparagus TP

Very graceful plants extensively grown for cutting, the foliage being used in all designs, bouquets, etc.

Plumosus nanus. Beautiful, fern-like sprays of foliage. Pkt. 25 cts., 100 seeds \$1.

Sprengeri. Makes a beautiful basket and useful for cutting. Pkt. 10 cts., 50 seeds 30c., 100 seeds 50 cts.

Hatcheri. Of the Plumosus type. Growth strong and symmetrical; fronds closely set on the stalk. Pkt. 25 cts., 100 seeds \$1.50.

Aubretia HP

New large-flowering hybrids. Flowers of largest size and in many shades of crimson, purple, light blue, pink, and lilac. Pkt. 25 cts.

Flowers and Lawns

As every picture needs a frame, so does every home need a few flowerbeds and a bright lawn to make it truly a Home instead of just a house. We offer all kinds of easily grown flowers, besides the choicest Evergreen Lawn Grass, as described on inside back cover.



Long-spurred Aquilegias

Asters, China HHA

Asters now rival the chrysanthemums in form and colors, and are the leading cut-flower from midsummer until the appearance of the chrysanthemum. They delight in rich, moist soil, and, for the largest and finest-colored flowers, frequent rains or waterings are required. For successional flowers sow seed from March to June. We offer the best strains and varieties.



Aster, Crego's Giant Comet, White

Royal Aster. One of the best of the earliest varieties, following Queen of the Market. Flower-stems free from laterals, start from the plant close to the ground. Flowers large, handsome, and abundant. **Lavender, Purple, Rose-Pink, Shell-Pink, and White.** Each, pkt. 10 cts., 1/8oz. 50 cts.; Mixed, pkt. 10 cts., 1/8oz. 40 cts.

Astermum. Flowers much resemble chrysanthemums; of immense size, often attaining a diameter of 5 inches and over. Plants 2 feet in height, producing ten to fifteen flowers on long, stately stems. August. **Lavender, Rose-Pink, and White.** Each, pkt. 10 cts., 1/8oz. 50 cts.; Mixed, pkt. 10 cts., 1/8oz. 40 cts.

Pink Enchantress. Flowers soft delicate pink; always full-double, petals of medium length and very broad. Plant upright in habit and of very vigorous growth; stems long, strong and graceful. Midseason. Pkt. 10 cts., 1/8oz. 50 cts.

King Asters. A distinct type, vigorous in growth, with long, stiff stems and flowers of the largest size; petals more or less quilled, giving the large flowers a bold and striking appearance. August to October. Each, pkt. 10 cts., 1/8oz. 50 cts.; Mixed, pkt. 10 cts., 1/8oz. 40 cts.

Crimson King. Rich, dark. **Violet King.** Violet-purple.
Pink King. Shell-pink. **White King.** Very large.
Rose King. Brilliant rose. **Finest Mixed.**

Victoria. Large, showy flowers, perfectly double; petals overlapping regularly, forming a very showy bloom; habit pyramidal; excellent for cutting. August, September. 1 1/2 feet. Each, pkt. 10 cts., 1/8oz. 60 cts.; Mixed, pkt. 10 cts., 1/8oz. 50 cts.

Miss Roosevelt. Buff-yellow, center deeper yellow.

Pink Beauty. A lovely shade of pink.

Blush Queen. Beautiful delicate salmon-blush.

Dark Blood-Red **Fiery Scarlet** **Carmine-Pink**
Dark Blue **Peach Blossom** **Pure White**
Azure-Blue **Crimson** **Finest Mixed**

Aster, Perennial (Michaelmas Daisies). Single-flowering, hardy, herbaceous plants; large-flowering.

Finest Mixed. Pkt. 10 cts., 1/8oz. 30 cts.

ARCTOTIS grandis. TA. Very bushy and free-flowering; pure white, many-petaled flowers, with colored stamens forming a lavender center, surrounded by narrow zone; under side of petals lilac. Pkt. 10 cts., 1/8oz. 30 cts.

Queen of the Market. One of the most popular varieties, being extra early. Flowers of good size and substance, and borne on long stems. July. 1 foot. Each, pkt. 10 cts., 1/8oz. 30 cts.

Crimson **Lavender-Blue** **Rose-Pink**
Deep Scarlet **Pink** **Seal-Red**
Dark Blue **Pure White** **Finest Mixed**

Crego's Giant Comet. A splendid strain of the Comet type. The plant is of sturdy growth, attaining a height of 2 feet and over, well branched, with strong stems. Flowers fluffy and graceful, 4 to 5 inches in diameter. August and September. Each, pkt. 10 cts., 1/8oz. 40 cts.; Mixed, pkt. 10 cts., 1/8oz. 35 cts.

Azure-Blue **Lavender** **Purple**
Rose-Pink **Shell-Pink** **White** **Mixed**

Daybreak Type. The plants of this very popular variety are strong, compact growers and very profuse bloomers. Flowers borne upright on long, stiff stems. Season August. Height 18 inches. Each, pkt. 10 cts., 1/8oz. 50 cts.; Mixed, pkt. 10 cts., 1/8oz. 40 cts.

Blue **Rose-Pink**
Lavender **Salmon-Pink**
Purity, White **Shell-Pink** **Mixed**

Invincible, or Carlson Early Branching. Possesses all the desirable qualities of the late branching Asters, but comes into bloom about ten days earlier. Each, pkt. 10 cts., 1/8oz. 40 cts.; Mixed, pkt. 10 cts., 1/8oz. 30 cts.

Crimson **Light Blue** **Purple** **Finest Mixed**
Dark Blue **Light Rose-Pink** **White**

Simple's, or American Branching. A fine, late strain, brought to a high standard by careful selection, with large flowers. Excellent cut-flower variety. 2 to 2 1/2 feet. September. Each, pkt. 10 cts., 1/8oz. 35 cts.; Mixed, pkt. 10 cts., 1/8oz. 30 cts.

Crimson **Lavender** **Pure White**
Dark Purple **Azure-Blue** **Shell-Pink**
Deep Rose-Pink **Light Rose-Pink** **Finest Mixed**

Crimson Giant Branching. Of upright growth; flowers very large and double, 5 inches and over in diameter; one stem 15 to 18 inches long. Pkt. 10 cts., 1/8oz. 50 cts.

Peerless Pink Branching. Beautiful shell-pink, resembling Mary Simple. It is, however, more double, the center being filled with a thick whorl. Pkt. 10 cts., 1/8oz. 50 cts.

Red Sensation. Intensely red, being a dark rich garnet or ox-blood; branching habit; flowers 3 inches in diameter, borne freely on stems 12 inches long. Pkt. 10 cts., 1/8oz. 50 cts.



Aster, Simple's or American Branching, Shell-Pink

Balsam (Lady's Slipper)

Give brilliant masses of beautiful flowers for little care. Plants about 2 feet in height; transplanting dwarfs them and renders the flowers more double.

Double White Perfection. Pure white; large and full to the center. Pkt. 10 cts., 1/4oz. 30 cts.
Prince Bismarck. Very double salmon-pink. Pkt. 10 cts., 1/4oz. 30 cts.

Camellia-flowered. Very large, double and perfect flowers, camellia-like in form. In many colors, mixed. Pkt. 5 cts., 1/4oz. 25 cts., oz. 75 cts.

Balloon Vine (Cardiospermum)

A rapid-growing annual climber. White flowers, succeeded by balloon-like seed vessels. 10 to 15 ft. Pkt. 5 cts., oz. 25 cts.

Beta TB

Ornamental-leaved Beet

For edging or border plants.

Brazilian, Golden, Crimson, and Rose Shades Mixed. Fine border plants; very showy; entire leaf-stalk and midrib intensely colored; very attractive. 2 feet. Each, pkt. 10 cts., oz. 25 cts.

Bellis perennis (English Daisy) HP

Do well in almost any soil preferring a partially shaded position. Flower from early spring until early fall and may then be divided and held in frames for following season's planting. Height 5 to 6 inches.

The Bride. New giant-flowered white. Long, straight stems; early and free. Pkt. 15 cts., 1/8oz. 50 cts.

Giant Longfellow. Large, double, rose-colored flowers. Pkt. 10 cts., 1/8oz. 40 cts.

Giant Snowball. Large; perfect double; white. Pkt. 10 cts., 1/8oz. 40 cts.

Monstrosa. These produce flowers of enormous size, frequently attaining the size of a large zinnia. Very double and borne on long and rigid stems.

Monstrosa, White, Pink, and Dark Red. Each, pkt. 20 cts., 1/8oz. 75 cts.

Mixed Colors. Pkt. 15 cts., 1/8oz. 65 cts.

Browallia speciosa major TA

Fine for a pot-plant, hanging-baskets, or vases, also for the border. Beautiful ultramarine-blue. Pkt. 25 cts.

Cacalia coccinea HA

Tassel-flower, or Ladies' Paint Brush

An old-time favorite for the border. Flowers orange-scarlet and very nice for cutting. 1 1/2 feet. Pkt. 5 cts., 1/4oz. 25 cts.



Candytuft, Empress

Begonia TP

The many improvements in this family now permit their use for almost any desired end. The Semperflorens and Gracilis varieties are excellent bedding plants, are equally valuable as pot-plants for decorative purposes and afford nice sprays for cut-flowers. Some of the varieties form very charming plants for baskets, etc.

Semperflorens Erfordia. A popular variety, with handsome dark foliage and rose-carmine flowers. 1 foot. Pkt. 25 cts.

Semperflorens, Salmon Queen. New. Large, salmon-colored blooms; dark foliage. Pkt. 25 cts.

Semperflorens, Vernon. Dark green foliage, shaded bronzy red; flowers deep, glowing rose; branching habit and fine for pots or bedding. 1 foot. Pkt. 10 cts.

Gracilis luminosa. Fiery dark scarlet; foliage satiny dark brown; superb; fine for winter flowering. Pkt. 25 cts.

Gracilis rosea. Handsome flower of a delicate rose color. Pkt. 25 cts.

Brachycome iberidifolia HHA

Swan River Daisy

Blue, white and rose-colored flowers with blackish disk surrounded by narrow, white halo. 1 foot. All colors mixed, pkt. 5c., 1/4oz. 25c.



Balsam

Candytuft (Iberis)

Valuable for masses, edging and prized for cutting; free-flowering.

Giant Hyacinth-flowered, or Empress. Very fine, large heads of pure white flowers. 1 foot. Pkt. 10 cts., oz. 40 cts.

Dwarf Hybrids. Large spikes of flowers, valuable for cutting or as a border plant; fine mixed colors of carmine, flesh, lilac, and purple. 6 inches. Pkt. 10 cts., oz. 50 cts.

Carminea. Brilliant carmine. Pkt. 10 cts., oz. 50 cts.

Rose-Cardinal. Dark pink. Pkt. 10 cts., 1/4oz. 25 cts.

Lavender. Pkt. 5 cts., oz. 30 cts.

Crimson. Pkt. 5 cts., oz. 30 cts.

Mixed. All colors. Pkt. 5 cts., oz. 25 cts.

Gibraltarica Hybrids. HB. A dwarf, compact form with purple and white flowers. 1 foot. Pkt. 10 cts., 1/8oz. 40 cts.

Sempervirens. HB. Glossy foliage; flowers white. Pkt. 10 cts.

Canary Creeper (Tropaeolum canariense)

Canary-Bird Flower. Very elegant vine for trellis or vases; bright yellow flowers; neat foliage. 10 to 15 feet. Pkt. 5 cts., oz. 25 cts.

Calceolaria (Slipperwort) TP

These are mainly gorgeous greenhouse flowering plants of peculiar form and with brilliantly colored flowers.

Prize Strain. Exceedingly rich colors. Pkt. 50 cts.

Calendula (Pot Marigold)

Very showy and thrifty plants, particularly adapted for dry and poor soils, although they thrive in any sunny location. Extremely showy from late summer until cut down by frost. 1 to 1 1/2 feet.

Favorite. Light sulphur-yellow petals, striped creamy white. Pkt. 5 cts., oz. 30 cts.

Meteor. Double; yellow, striped with orange. Pkt. 5 cts., oz. 25 cts.

Prince of Orange. A very dark Meteor. Pkt. 5 cts., oz. 25 cts.

Pure Gold. Very large, double yellow flowers. Pkt. 5 cts., oz. 30 cts.

Mixed Varieties. Pkt. 5 cts., oz. 25 cts.

Calliopsis (Bright Eyes)

Very attractive, free-flowering plants of the easiest culture, thriving in any ordinary soil. The new hybrids are very showy and flowers range in color from bright yellow to deep old-gold shades and from blood-red to deep brown.

Crimson King. Plant from 6 to 8 inches high, covered with a mass of glowing, dark crimson flowers. Pkt. 5 cts., 1/4oz. 25 cts.

Drummondii, Golden Wave. Bright yellow flowers with brown eyes. Pkt. 5 cts., 1/4oz. 20 cts.

Hybrida superba. A beautiful strain; quite bushy in habit, some medium, others tall. Colors are very bright. 1 to 2 feet. Pkt. 5 cts., 1/4oz. 30 cts.

Callirhoe involucrata HP

Very showy, large, crimson flowers; trailing habit. Pkt. 5 cts.



Campanula calycanthemum

Campanula (Bellflower)

A family containing many beautiful border plants, several varieties beautiful as pot-plants. Mainly hardy biennials and perennials.

Calycanthemum (Cup-and-Saucer). HB. Delightful in form and colors, and elegant subjects for the garden or for pot culture. 2 to 2½ feet. Blue, Rose, Striped, White, Mauve, and Lavender. Each, pkt. 10 cts., ½oz. 49 cts. Mixed, pkt. 10 cts., ½oz. 30 cts.

Calycanthemum, Double Variegated. In consequence of doubling, the flowers seem to be formed of three corollas chased into each other. Flowers show all tints of white and pink, striped with violet or blue. Flowers very lasting. Pkt. 25 cts.

Calycanthemum, Godfrey's Superb Lavender. Flowers large and perfect, of superior substance; fine delicate color. Pkt. 25 cts.

Medium (Canterbury Bell). HB. Large, bell-shaped flowers in many shades. Elegant border or pot-plants. A proportion of seedlings will vary from color, while some single flowers will be found among the double-flowered seedlings. 2 to 2½ feet.

Medium, Single. Blue, Lilac, Rose, White, Striped, and Mauve. Each, pkt. 5 cts., ¼oz. 35 cts.; Mixed, pkt. 5 cts., ¼oz. 30 cts.

Medium, Double. Blue, Lilac, Rose, and Striped Mixed. Pkt. 10 cts., ¼oz. 50 cts.

Carpatica (Harebell). HB. Dwarf plants with cup-shaped flowers, suitable for borders, edging, etc. 1 foot. White, Blue and Violet mixed. Pkt. 10 cts., ¼oz. 25 cts.

Pyramidalis (Chimney Bellflower). HP. Stately plants with stems 4 to 5 feet high; fine for borders or as large, decorative pot-plants; large, broad, tubular flowers. Finest mixture of blue and white. Pkt. 5 cts., ¼oz. 25 cts.

Persicifolia grandiflora (Peach Bells). HP. Flowers extra large and cup-shaped. Elegant for pot-plants as well as for the border. 2 ft.

Persicifolia grandiflora, Single Blue. Pkt. 15 cts., ½oz. 50 cts.

Persicifolia grandiflora, Single White. Pkt. 15 cts., ½oz. 50c.

Persicifolia Pfitzeri. Extra large; double; blue. Pkt. 25 cts., ½oz. 75 cts.

Persicifolia Moerheimi. Extra large; double; white. Pkt. 25 cts.

Carnation (*Dianthus Caryophyllus*) HP

These, while belonging to the hardy perennials, may nearly all be flowered the first season by sowing early. Seedlings possess great vigor and, as a rule, produce more flowers than plants from cuttings.

Giant Marguerite, or Malmaison. Early flowering; seed sown in February will flower in June. Pkt. 10 cts., ½oz. 35 cts.

Marguerite, Half-Dwarf. Valuable cut-flower varieties; sweet-scented and bloom from July to frost from February-sown seed. White, Deep Crimson, Dark Red, Scarlet, and Yellow. Each, pkt. 10 cts.; Mixed, pkt. 10 cts., ½oz. 30 cts.

Chabaud's Everblooming. Produces a high percentage of double flowers, blooming five to six months after sowing. Pkt. 25 cts.

Canna (Indian Shot) HHP

Indispensable in the garden for flowering and foliage effects. The dwarf French varieties are free and may also be grown as pot-plants. Seeds should be soaked 12 to 24 hours in warm water before sowing, or notched with file or knife; heat is essential to germination.

Crozy's Grand Hybrids. Finest mixture of the dwarf French varieties. 3 to 4 feet. Pkt. 5 cts., oz. 25 cts.

Rainbow Mixture. An extra-select strain. Pkt. 5 cts., oz. 30 cts.

Cardinal Climber

A brilliant and beautiful annual climber. Strong and rapid grower, attaining a height of 30 feet or more. Foliage fern-like and lacinated. Flowers cardinal-red, about 1½ inches in diameter, borne in clusters of five to seven in great profusion from midsummer until frost. Seeds should not be sown in the open until May. Pkt. 15 cts.

Celosia cristata (Cockscomb) TA

Handsome and distinct; the comb-like heads may be grown to a large size and make fine decorative plants and unique beds.

Empress. Enormous crimson heads; dark foliage; dwarf. Pkt. 10 cts., ½oz. 30 cts.

Queen of the Dwarfs. Plants attain a height of only 8 inches. Combs of a beautiful dark rose-color. Pkt. 10 cts., ½oz. 30 cts.

Dwarf Streaked. Remarkable for the monstrosity of its regular combs and the oddity of its color which is a mixture in groups or streaks of all the lovely tones of yellow, pink, red, and violet. Pkt. 25c.

Celosia plumosa

Plumed or Feathered Cockscomb

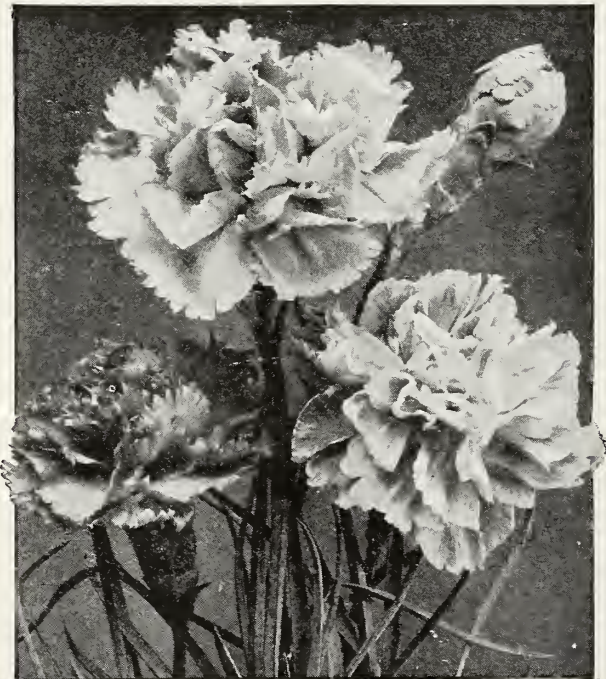
Of pyramidal growth, with superb feathery plumes. Grand pot-plants and beautiful for beds during the summer months.

Childsii (Woolflower). Bloom starts early with a center head, round and globular, which at times reaches the immense size of 2 feet in circumference. When in full bloom looks like an immense bouquet. Deep crimson-scarlet. Plant 2 to 3 feet high. Pkt. 25 cts.

Thompsonii magnifica. Improved varieties of splendid colors. 1½ feet. Crimson, Gold-Yellow, Scarlet, and Mixed. Each, pkt. 10 cts., ¼oz. 35 cts.

Pride of Castle Gould. A new ostrich-plume variety. Plants compact and pyramidal, producing immense flower-heads resembling willowy plumes in many remarkable shades. Pkt. 25 cts.

CAPSICUM, Little Gem (Ornamental Pepper). TA. A nice market plant, with erect, small, scarlet fruit. Grows 1 foot high. Pkt. 10c.



Marguerite Carnations

Centaurea

A large and varied genus containing numerous handsome foliage and flowering species.

Montana (Perennial Cornflower). **HP.** Produces a profusion of flowers all summer; very showy, large flowers; beautiful blue. **Pkt. 10 cts.**

Montana alba. Large-flowered; white. **Pkt. 10 cts.**

Montana rosea. Charming rose. **Pkt. 25 cts.**

Americana alba. A beautiful native variety with numerous large, creamy white flowers, 5 inches in diameter, long-stemmed and nice for cutting. **2 feet. Pkt. 10 cts.**

Cyanus. The Bluebottle, Bachelor's Button, or Cornflower of the old gardens. A weed in the European cornfields. They commonly come up year after year, seeding themselves. **2½ feet.**

Cyanus, All Colors Mixed. **Pkt. 5c., oz. 25c.**

Cyanus, Dark Blue. **Pkt. 5 cts., oz. 30 cts.**

Cyanus, Double Blue. Very suitable for cut-flowers. **Pkt. 10 cts., ¼oz. 30 cts.**

Cyanus, Double Mixed. Fifty to 60 per cent true. **Pkt. 10 cts., oz. 50 cts.**

Suaevolens (Yellow Sweet Sultan). Very sweet, honey-like odor. **1½ feet. Pkt. 5 cts., ¼oz. 25 cts.**

Imperialis. These are beautiful giant varieties, the finest of the collection. They are vigorous growers, branch freely and send out numerous side shoots, producing flowers during a long period. **3 to 3½ feet.** White, Lilac, Lavender, Dark Rose, Light Rose, Rose and White, and Yellow. **Each, pkt. 10 cts., ¼oz. 30 cts.; Mixed, pkt. 5 cts., ¼oz. 25 cts.**

Marguerite. Very large, pure white, sweet-scented flowers. **1½ feet. Pkt. 10 cts., ¼oz. 25 cts.**

Candidissima. **HHP.** Very handsome silvery foliage used in quantity for bedding, edging, baskets, etc. **9 inches. Pkt. 10 cts., 500 seeds 30 cts.**

Gymnocarpa. **HHP.** Silver foliage; a popular bedding variety. **Pkt. 10 cts., 500 seeds 25 cts.**



Centaurea imperialis

Alba. Pure white.

Brilliant. Rich crimson-scarlet. **Salmon Queen.** Salmon-pink.

Scarlet Queen. Orange-scarlet.

Finest Mixed. **Pkt. 5 cts., ¼oz. 20 cts.**

Each, pkt. 10 cts., ¼oz. 25 cts.

Clarkia HA

Easily grown, flower freely, and are very showy in the border. Fine for cutting and form nice pot-plants. The varieties we offer are a great improvement on the old Clarkias. Flowers large and very double.

Cleome

Gigantea (Spider Plant). A beautiful new species, having very long stamens giving the flowers a resemblance to the spider; showy. Plants are vigorous growers and constantly in flower. **3 to 4 feet. Pkt. 10 cts., ¼oz. 25 cts.**

Gigantea hybrida. Charming new hybrids. Flowers vary from pure white to lilac, rose, and crimson. **Pkt. 15 cts.**

COBÆA scandens. **TP.** A popular climber of very rapid growth. Large, bell-shaped, blue flowers. Will rapidly cover a large trellis, and its quaint flowers are most interesting. Should be started indoors and not planted out until all danger from frost is past. **Pkt. 10 cts., ¼oz. 25 cts.**

Coleus TP

Splendid bedding plants with beautifully colored foliage, easily grown from seed. They require considerable heat.

Superb Mixture. Choicest and newest varieties. Seed saved from choice collections. **Pkt. 25 cts.**

CONVOLVULUS minor (Tricolor). Beautiful hardy annuals that delight in sun and are very showy in beds, borders and on rock-work. **1 foot. Mixed colors. Pkt. 5 cts., oz. 25 cts.**

Coreopsis HP

Grandiflora. Large, golden yellow flowers from summer to autumn. Valuable for cutting and a fine border variety. **Pkt. 10 cts., ¼oz. 25 cts.**

Grandiflora, Eldorado. The flowers are 3 inches and over in diameter, borne on strong stems that are 15 to 18 inches long. Bright golden yellow; long-lasting, fine for cutting. **Pkt. 10 cts., ¼oz. 30 cts.**

Corn, Rainbow

Leaves have broad stripes of crimson, yellow, white, green, rose or bronze; a fine decorative plant for the garden. **Pkt. 10 cts., oz. 30 cts.**

Cuphea platycentra TP

Cigar Plant

Black and scarlet; very free-flowering. A handsome pot-plant and nice for vases, baskets, etc. **1 foot. Pkt. 25 cts.**

Chrysanthemums

A large family of plants of varied character, nearly all valuable for cut-flowers.

Annual Kinds

Very showy and popular; known as Painted Daisies and Summer Marguerites. Useful as pot-plants, as well as for cutting and bedding.

Coronarum. All colors mixed. **Pkt. 5 cts., ¼oz. 15 cts.**

Eclipse. Golden yellow, scarlet ring. **1½ feet. Pkt. 10c., ¼oz. 25c.**

Evening Star. Bright golden yellow flowers, 3 to 4 inches across. **1½ feet. Pkt. 10 cts., ¼oz. 25 cts.**

Morning Star. Large; primrose-yellow with golden center. **1½ feet. Pkt. 10 cts., ¼oz. 25 cts.**

Northern Star. A giant white variety, with flowers 3½ inches across; dark center. **1½ feet. Pkt. 10 cts., ¼oz. 25 cts.**

Single Varieties, Mixed. **Pkt. 5 cts., ¼oz. 25 cts.**

Double Varieties, Mixed. **Pkt. 5 cts., ¼oz. 25 cts.**

Inodorum, Snowball (Bridal Robe). A dwarf variety with snow-white, very double flowers; fine foliage. An elegant pot-plant and nice for beds; fair percentage double from seed. **¾ ft. Pkt. 10 cts., ¼oz. 25 cts.**

Single Varieties, Mixed. **Pkt. 5 cts., ¼oz. 25 cts.**

Double Varieties, Mixed. **Pkt. 5 cts., ¼oz. 25 cts.**

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Chrysanthemum inodorum, Snowball

Cosmos HHA

Mexican plants with handsome, cut foliage and graceful, long-stemmed, showy flowers, known as Mexican Dahlias. The Mammoth varieties should be sown early and the growth pinched when well established. This checking of the growth, as with dahlias, induces early flowering, thereby avoiding frosts, which otherwise may overtake them. The pinching will also render plants more sturdy and compact and provide a larger number of blooms.

Crimson Ray. Distinct new type, grows 4 to 5 feet high. Very profuse in bloom; flowers many-petaled and petals narrow and fluted, separated in star-like form; most brilliant crimson. **Pkt. 10 cts., 1/4oz. 25 cts.**

Double-flowering. A striking and beautiful new strain. A large percentage come true both as to color and doubleness. The singles which the strain produces are also very beautiful.

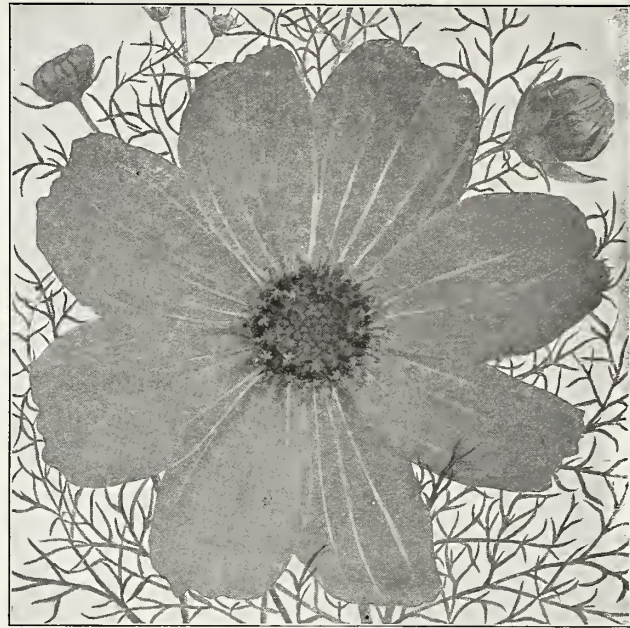
Crimson Queen, Pink Beauty and White Queen. Each, **pkt. 25 cts.**

Mammoth Early-flowering. Strain of great beauty, flowering from July till frost. White, Pink, and Crimson. 4 feet. **Each color, pkt. 10 cts., 1/4oz. 25 cts.; Mixed, pkt. 10 cts., 1/4oz. 20 cts.**

Klondyke. Flowers orange-yellow; early and continuous bloomers; also nice as a pot-plant. 4 feet. **Pkt. 10 cts., 1/4oz. 30 cts.**

Lady Lenox. Flowers perfectly circular, of gigantic size and of great substance, petals wide and overlapping, borne on long stems; very lasting and fine for cutting. Shell-Pink and White. **Each, pkt. 10 cts., 1/4oz. 25 cts.; Mixed, pkt. 10 cts., 1/4oz. 25 cts., oz. 50 cts.**

Mammoth Perfection. Very fine large-flowered varieties attaining a diameter of 4 inches. White, Pink, Red, and Mixed. **Each, pkt. 5 cts., 1/4oz. 15 cts., oz. 50 cts.; Mixed, oz. 40 cts.**



Cosmos, Lady Lenox

Cyclamen TP

A very popular pot-plant for winter and spring flowering. Blooms very freely and for a long period. As a cut-flower it is one of the most graceful and dainty of flowers. Seedling bloomers in eight to ten months from sowing. Our strain is unexcelled.

	25 seeds	50 seeds	100 seeds
Giant Vulcan. Deepest red; free-blooming, blood-red variety.....	\$0 50	\$0 85	\$1 50
Giant White Swan. Enormous pure white flowers on stiff stems..	50	85	1 50
Giant Superb Mixed	35	65	1 25
Eileen Low. Color a lovely shade of Rose DuBarry pink. Its great attraction lies in the distinct white margin and blush-white crest on each petal. Both lovely and unique.....			Pkt. \$1 00
Cherry Ripe. Nearly scarlet; brightest red Cyclamen.....			1 00
Mrs. Buckston. Giant salmon-colored flowers, beautifully frilled, very floriferous..			75
Purple Prince. Flower purple-crimson; foliage brightly marbled, silver leaf.....			1 00
St. George. The silver-leaved Cyclamen; foliage beautifully marbled; flowers of a pale salmon color.....			1 00

Cypress Vine (*Ipomoea Quamoclit*)

Very popular small vine, with delicate, fern-like foliage and masses of beautiful, star-shaped scarlet and white flowers. Fine for a small trellis. **Mixed. Pkt. 5 cts., oz. 40 cts.**

Ivy-leaved. Leaves deeply lobed; flowers fiery orange-scarlet. **Pkt. 10 cts., oz. 40 cts.**

DATURA cornucopia (Trumpet Flower). This is a very sweet-scented double form, having two cones, one within the other; interior white, exterior violet-purple. 1½ feet. **Pkt. 10 cts.**

Delphinium HP

These, when established, form most stately plants that bloom throughout July, August, and September. Magnificent blues predominate, although other attractive colors are not wanting. The entire list will bloom the first season from early-sown seed. July and August are good months for outdoor sowing. Flower-spikes that have lost their beauty should be removed promptly, promoting additional bloom.

Cardinale. Elegant scarlet flowers with yellow centers. 3 feet. **Pkt. 25 cts.**

Cashmerianum. Pale to deep blue flowers; dwarf, branching habit; distinct. 1½ feet. **Pkt. 25 cts.**

Formosum. Dark blue with white eye; a popular variety. 2½ ft. **Pkt. 10c., 1/4oz. 40c.**

Formosum caelestinum. Lovely blue, a celestial color. 2½ ft. **Pkt. 15c., 1/4oz. 50c.**

Chinense (Chinese Larkspur). Pale to deep blue shades. **Pkt. 5 cts., 1/4oz. 25 cts.**

Chinense album. Pure white; comes true from seed. **Pkt. 5 cts., 1/4oz. 25 cts.**

Kelway's Hybrids. Flower-spikes very large, varying in color from pearly white to

lavender and from soft azure-blue to rich indigo. A noted strain. **Pkt. 15 cts., 1/4oz. 50 cts.**

Double-flowering Hybrids. Best double-flowering varieties from a rich collection. 3½ to 4 feet. **Pkt. 15 cts., 1/4oz. 50 cts.**

Belladonna. Blooming from June until frost, its clear turquoise-blue flowers are unsurpassed. **Pkt. 25 cts., 1/4oz. 50 cts.**

Zalil. Flowers sulphur-yellow, produced freely from June until August; spikes long, with forty to fifty flowers on each. **Pkt. 25 cts.**

Rev. E. Lascelles. Deep blue with white center; extra large, and double. **Pkt. 25 cts.**



Perennial Delphinium



Cactus Dahlia from Seed

Dahlias HHP

Very easily grown from seed, all classes coming quite true from seed, and supply magnificent colors. In the garden these seedling Dahlias bloom as early and freely as the plants grown from tubers.

Double, Large-flowering, Show Varieties. Saved from the finest double flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

Cactus, Double, Large-flowering, Dwarf

Large flowers, very distinct and showy; many colors. 3 to 4 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

Cactus, Single-flowered. From a fine collection. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Giant Single. Its numerous blooms are perfect in shape, of various colorings, and of huge size, sometimes attaining a diameter of 7 inches and over. Plant of medium height. Pkt. 25 cts.

Giant Double. Of vigorous growth and rigid stem. Flowers of remarkable size, under favorable conditions 7 to $7\frac{1}{2}$ inches in diameter. Mixed colors. Pkt. 25 cts.

Twentieth Century, or Orchid-flowered. Flowers single and very large, 4 to 7 inches in diameter, from white to deep crimson; late. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Single Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Dianthus (The Divine Flower)

The rich coloring, with the varied forms and fringing of petals common to many varieties, renders them very attractive. They are all useful for bedding and cutting. May be sown in fall or spring.

Double Annual Pinks

China or Indian Pinks (*Dianthus sinensis*). Flowering from early summer to fall; strong sturdy growers, suitable for beds and borders. Flowers very double and in unlimited variety of colors, borne on long, stiff stems. **Finest Mixed, pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.**

Japanese Pinks (*D. Heddewigii* and varieties). A beautiful class of sturdy-growing plants, 10 to 12 inches high and of the same width; handsomely marbled and mottled flowers in all imaginable colors, 2 inches and over in diameter. **Finest Mixed, pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.**

Fireball. Dwarf, with blood-red flowers. Pkt. 10c., $\frac{1}{4}$ oz. 30c.

Purity. Snow-white; clove-scented. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

Marvelous. Very large and beautiful, fringed flowers, rich and varied; elegant for cutting. Pkt. 10 cts.

Salmon Queen. Beautiful salmon-rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 50c.

Snowball. Fringed, snow-white flowers; fine for cutting. Pkt. 5 cts., $\frac{1}{4}$ oz. 35 cts.

Diadem Pinks (*D. Heddewigii diadematus*). Very large, showy flowers, beautifully marked and flaked. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

Royal Pink (*D. Heddewigii nobilis*). A beautiful class for cutting; flowers large and exceedingly fragrant, very double and on long stems; wide range of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Single Annual Pinks

All the single varieties have large flowers. These we do not offer in separate colors, but in a Superb Mixture of many brilliant colors. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Hardy Garden Pinks

Very desirable for beds, borders, cemetery planting, etc. The flowers are highly prized for their spicy, refreshing odor.

Double White Clove Pink, Mrs. Sinkins (*D. plumarius semperflorens fl.-pl.*). A beautiful white variety; very double, sweet and nice for cutting. Pkt. 50 cts.

Double Red Clove Pink, Homer. Fine, double; dark rose, crimson center. Pkt. 50 cts.

Double Grass Pink (*D. plumarius fl.-pl.*). Double and semi-double flowers in variety. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Perpetual Pink (*D. plumarius semperflorens*). These are ever-blooming garden Pinks, in many colors; single, semi-double and double-flowered, and of spicy fragrance. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Single, Finest Mixed (Pheasant's Eye; *D. plumarius*). Many-colored, fragrant flowers, nicely fringed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

Deltoides (Maiden Pink). Creeping variety. Flowers rose, with dark circle. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Sweet William (*Dianthus barbatus*) HB

Produces splendid effects in beds and borders.

Holborn Glory. Large, handsome, single flowers, brilliant in color, with white eye and white edge. $1\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Pink Beauty. Single, fine, deep pink. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Salmon Queen. Very fine salmon shades. Pkt. 10 cts.

Scarlet Beauty. Intensely deep scarlet. Pkt. 15 cts., $\frac{1}{4}$ oz. 40c.

Single White and Crimson. Each, pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Single Varieties. Finest mixture. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts.

Annus (Annual-flowering Sweet William). Flowers the first season. Sow early. Finest mixture. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Everblooming Sweet William (*D. latifolius atrococcineus fl.-pl.*). HB. A very rich crimson flower, double and blooming freely and continuously. Pkt. 10 cts.

Tri-colored Single and Double. This charming new variety shows in nearly equal parts on the same corymbs flowers of different colors, pink, white, pink and bright carmine. Pkt. 25 cts.

Double Varieties. Finest mixture. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Double Pink Beauty. A beautiful salmon-pink. Pkt. 25 cts.

Diascia Barberæ HHA

Beautiful rose-pink flowers produced in great abundance during the summer. A good greenhouse pot-plant. 1 foot. Pkt. 25 cts.



Sweet William

Digitalis HP**Thimble Flower, or Foxglove**

Beautiful perennials for the border, etc.; some are elegant pot-plants, blooming readily in 4-inch pots in spring. For this purpose seed should be sown in August and grown slowly during the winter.

Grandiflora. A beautiful dwarf; chrome-yellow; flowers small. 3 feet **Pkt. 5 cts., 1/4oz. 25 cts.**

Maculata superba, Mixed. A very choice strain of spotted flowers, on long stalks. **Pkt. 10 cts., 1/4oz. 35 cts.**

Monstrosa. A charming and unique strain. The beautiful spikes of flowers are topped by one very large, cup-shaped flower. They are borne in long clusters, are very nice for cutting, particularly the pure white, and form beautiful pot-plants. Colors white, lilac, light purple, and some approaching pink. **Mixed, pkt. 10 cts., 1/4oz. 35 cts.**

Gloxiniæflora. Large, spotted, gloxinia-like flowers, produced on long spikes. 3½ to 5 feet. White, Pale Pink, and Purple. Each, **pkt. 5 cts., 1/4oz. 30 cts.** **Mixed, pkt. 5 cts., 1/4oz. 25 cts.**

Dracæna (Cordyline) TP

Graceful foliage plants; fine subjects for vases, center of beds, etc.

Indivisa. A popular plant for vases. **Hulled seed, pkt. 10 cts., 1/4oz. 25 cts.**

Dimorphotheca

Aurantiaca (African Golden Orange Daisy). A wonderfully free-flowering plant. It begins flowering in small pots six weeks after sowing, and forms a nice pot-plant. In the garden it is a continual sheet of bloom. The many-petaled flowers are deep orange or ochre-yellow with a black zone at the base and a small brown disk. 6 to 9 inches. **Pkt. 10 cts., 1/8oz. 25 cts.**

Aurantiaca hybrida fl.-pl. Charming double and semi-double flowers, varying from white to light and dark yellow and from salmon-rose to orange. **Pkt. 15 cts.**

Dolichos (Hyacinth Bean)

A family of climbing Beans, bearing large, handsome foliage and bright flowers, followed by curiously bean-shaped pods.

Darkness. Stems and under sides of foliage purplish red. The numerous spikes of reddish purple, pea-like flowers are succeeded by showy seed-pods. 8 to 10 feet. **Pkt. 5 cts., oz. 30 cts.**

Daylight. Flowers freely from the ground up; pure white flowers and ornamental white pods; vine, 8 to 10 feet. **Pkt. 5 cts., oz. 30 cts.**

Lablab, Mixed. Has long spikes of flowers and large leaves. **Pkt. 5 cts., oz. 20 cts.**

Bush Dolichos. The dwarf type makes fine, bushy plants, bearing immense flower-stalks. Fine for base of porch or in beds. See illustration. Colors: **White, Purple and Mixed.** **Pkt. 5 cts., oz. 35 cts.**

ECHINOPS Ritro (Globe Thistle). **HP.** Large, imposing heads of light blue flowers; very ornamental. 3 feet. **Pkt. 10 cts.**

EDELWEISS. **HP.** Interesting alpine plant, with beautiful, star-shaped flowers. **Pkt. 15c.**

Eschscholtzia HB**California State Flower; California Poppy**

Very brilliant flowers, produced in great numbers. May be sown in spring or fall. 1 foot.

Golden West. Very large, lovely yellow flowers, with orange blotch at the base of petals. **Pkt. 5 cts., oz. 40 cts.**

Burbank's Crimson. Beautiful, clear rosy crimson flowers. **Pkt. 5 cts., oz. 40 cts.**

Fire-Ball. Straight upright stems; fire-red flowers. **Pkt. 15 cts.**

Mikado. Large orange-crimson flowers. **Pkt. 10 cts., 1/4oz. 25 cts.**

Eschscholtzia, continued

The Geisha. Flowers fluted and crimped; orange-red outside, golden yellow within. Plant bushy, compact, and upright. **Pkt. 10 cts., 1/4oz. 25 cts.**

Vesuvius. Wallflower-red. Bowl same color inside as outside. **Pkt. 10 cts., oz. 50 cts.**

Rose-Cardinal. Dark rose exterior, inside blush. **Pkt. 5 cts., oz. 40 cts.** **Single-flowered, Mixed.** Extra fine. **Pkt. 5 cts., oz. 25 cts.**

Double-flowered, Mixed. Very good semi-double flowers. Nice for bedding or for massing. **Pkt. 5 cts., oz. 30 cts.**

Euphorbia

Variegata (Snow-on-the-Mountain). Robust grower; foliage variegated and veined white. 2 feet. **Pkt. 5c., oz. 30 cts.**

Heterophylla (Mexican Fire Plant). Resembles in color and habit the poinsettia. Flowers striking, brilliant orange-scarlet. 2 feet. **Pkt. 10 cts.**

Everlastings

For convenience we have grouped flowers prized for their "Everlasting" qualities under one heading.

Acroclinium roseum fl.-pl. Graceful; double, rose flowers. 1 foot. **Pkt. 5 cts., 1/4oz. 30 cts.**

Annobium alatum grandiflorum. Clusters of pure white flowers. 2 feet. **Pkt. 5 cts., 1/4oz. 25 cts.**

Gomphrena globosa. Flesh, rose, purple, variegated, and white, in finest mixture. **Pkt. 5 cts., 1/4oz. 20 cts.**

Gomphrena globosa nana compacta. A dwarf, compact variety of above. Red and White mixed. **Pkt. 5 cts., 1/4oz. 25 cts.**

Helichrysum monstrosum. The best of the Everlastings. The improved form we offer produces larger and more double flowers than the old type. Fine for cutting.

Fireball. Crimson. **Silver Ball.** White. Each, **pkt. 10 cts., 1/4oz. 25 cts.**

Pink Beauty. Salmon-pink. **Mixed.** **Pkt. 5 cts., 1/4oz. 20 cts.** **Golden Ball.** Golden yellow.

Rhodanthe Manglesii. Bright rose; charming and particularly neat in pots in the spring. 1 foot. **Pkt. 5 cts., 1/4oz. 25 cts.**

Rhodanthe Manglesii fl.-pl. Large-flowered, double; rose. **Pkt. 10 cts., 1/4oz. 30 cts.**

Xeranthemum annuum. For summer cutting or winter bouquets. Double; white, rose and purple, mixed. **Pkt. 5 cts., 1/4oz. 25 cts.**

EMMENANTHE penduliflora (California Golden Bells). Bushy, compact-growing annual, with long, lasting, golden yellow flowers. **Pkt. 25 cts.**

Feverfew (Matricaria) HHP

Capensis fl.-pl. (Double Feverfew). A very free-flowering border plant bearing a mass of cream-colored flowers. 2 feet. **Pkt. 10 cts.**

Snowball. A white-flowered form of the preceding, but even more dwarf. **Pkt. 15 cts.**

FERN SPORES. **TP.** Fine named greenhouse varieties. Each, **pkt. 50 cts.; Mixed varieties, pkt. 25 cts.**

GENTIANA acaulis. **HP.** Dwarfish plants. Blue, bell-shaped flowers. 4 inches. **Pkt. 10c.**

Gaillardia (Blanket Flower)

These are annuals and perennials that will all bloom freely from spring-sown seed. Their coloring is gorgeous and they are indispensable for bedding and cutting. Sow where wanted.

Amblyodon. Large, single, salmon-red flowers, deep crimson centers; very showy and nice for cutting. 2 feet. **Pkt. 5 cts., 1/4oz. 25 cts.**

Picta (Drummondii) Single-flowered. Fine mixture of colors. 1 foot. **Pkt. 5 cts., 1/4oz. 25c.**

Lorenziana, Double, Finest Mixed. Beautiful colors, flowering all summer. Fine for bedding or cutting. 1½ feet. **Pkt. 5c., 1/4oz. 20c.**

Lorenziana, "The Bride." White, double; fine for cutting. **Pkt. 10 cts., 1/4oz. 40 cts.**



Dolichos, or Hyacinth Beans



California Poppies

Gaillardias or Blanket Flowers, continued

The following sorts are among the most popular of our hardy perennials since they furnish an abundance of long-stemmed flowers from early summer until fall. The new hybrids (see illustration) embrace a great variety of pleasing colors, mostly in yellow and red shades.

Grandiflora compacta. HP. Compact; blooming freely; flowers scarlet, margined yellow. 9 inches. Pkt. 10 cts., 1/4oz. 50 cts.

Kelway's Hybrids. HP. Entirely distinct; a grand new and improved strain; flowers of enormous size, borne on stout stems. Choicest Mixed. Pkt. 10 cts., 1/4oz. 35 cts.

Coppery Red. HP. Flowers of the largest size and of a uniform coppery red color, turning to a lighter shade near the tips of the petals. Very floriferous. Pkt. 25 cts.

Geranium HHP

Are readily grown from seed, and will flower early in spring from seedlings.

Grand Zonale Mixture. This single-flowering strain embraces the cream of the varieties and superb seedlings. Flowers large and round, some forming immense trusses. Scarlet, crimson, rosy pink, salmon, cream veined pink, blush, and pure white. Mixed, pkt. 25 cts.

Apple-scented. Very refreshing odor. 9 inches. Pkt. 25 cts.

GERBERA Jamesonii hybrida (Transvaal Daisy). HHP. Richness of color and form distinguishes the new hybrids of *Gerbera Jamesonii*. They range in nearly all shades, from white to yellow, and from yellow to orange, and from rose to blood-red, and each sowing brings forth new surprises. Pkt. 25 cts.

Geum HP

Atrosanguineum. Large; double scarlet; valuable for cutting; fine border plants. 2 feet. Pkt. 10 cts., 1/4oz. 30 cts.

Mrs. Bradshaw. Flowers very large, double and of the brightest scarlet; blooms all summer. 1 1/2 feet. Pkt. 15 cts., 1/4oz. 50 cts.

Gladiolus hybrida præcox

Most of the seedlings bloom in four to five months when sown early under glass. Flowers of immense size, 4 to 5 inches in diameter, and produced in all shades and colors known in the Gladiolus. Pkt. 15 cts., 1/8oz. 50 cts.

GLOXINIA hybrida grandiflora crassifolia erecta. TP. Will bloom in six months from sowing. Bears large, tubular flowers of many brilliant colors and of velvety texture; the foliage is soft, brownish red, with white veins. Superb mixture of colors. Pkt. 50 cts.

Godetia

Very neat and free-flowering annuals that will be satisfactory for edging and for solid beds; for a blaze of color they will vie with the nasturtiums. Should not be planted in too rich soil. Bloom from June to Oct.; plant about 1 ft. apart.

Crimson Glow. A splendid, free-flowering, compact variety; blood-crimson. 9 inches. Pkt. 10 cts., 1/8oz. 30 cts.

Duchess of Albany. Compact, large, satiny white flowers in pyramidal clusters. 9 inches. Pkt. 5 cts., 1/4oz. 25 cts.

Nana compacta, Rosy Gem. Habit of plant very compact. The most dazzling rosy carmine, and by far the most compact variety, forming perfect bushes of bloom. 9 inches in height. Pkt. 15 cts.

Rosamond. Vivid rose, white center. 9 inches. Pkt. 10 cts., 1/4oz. 30 cts.

Fairy Queen. Very compact. White with crimson spots. Pkt. 25 cts.

Gloriosa. Deep blood-red. Compact. Pkt. 10 cts., 1/4oz. 30 cts.

Sunset. Dwarf and compact. The most dazzling color of all; rosy crimson, forming perfect bushes of blooms. Pkt. 25 cts.



Hardy Gaillardia

Pennisetum Ruppelianum (Purple Fountain Grass). Handsome purple spikes. 2 1/2 feet. Pkt. 10 cts.

Perennial Ornamental Grasses

Andropogon argenteus. A fine border plant with silvery plumes. 5 feet. Pkt. 10 cts.

Arundo Donax variegata (The Variegated Giant Reed). Fine for groups. 12 feet. Pkt. 10 cts.

Erianthus Ravennæ. Fine silvery plumes; violet-shaded foliage. 9 feet. Pkt. 10 cts.

Eulalia zebrina. Leaves barred yellowish white. 4 feet. Pkt. 10 cts.

Gynerium argenteum (Pampas Grass). Graceful for borders; beautiful silvery plumes. 8 to 10 feet. Pkt. 10 cts.

Stipa pennata (Feather Grass). Silvery white, feathery plumes. 2 feet. Pkt. 5 cts.

GOURDS. These are mainly tender and half-hardy annuals that are useful for covering verandas, arbors, etc. They are rapid-growing and their fruits very ornamental. **Dipper, Dishrag, Hercules' Club, Knob-Kerrie, Nest Egg, Pipe Calabash, Powder Horn, Serpent.** Each, pkt. 5 cts., oz. 25 cts.; **Mixture of Many Varieties.** Pkt. 5 cts., oz. 20 cts.

GREVILLEA robusta (Silk Oak). TP. A very handsome pot-plant, useful also for outdoor effect. Insert seed edgewise to insure germination. Pkt. 10 cts., 1/4oz. 35 cts.

Gypsophila (Baby's Breath)

Annuals and perennials that will flower the first season. All have graceful panicles of small flowers that are elegant for cut-flower purposes.

Elegans grandiflora alba. An improved large-flowered white form. Pkt. 5c., oz. 30c.

Paniculata. HP. The perennial variety that is easily grown from seed, equally useful for cutting, and a fine border plant; branches may be used for winter bouquets. 3 feet. Pkt. 5 cts., 1/4oz. 25 cts.

Paniculata fl.-pl. HP. An extremely vigorous race, producing about 50 per cent of perfectly double flowers, of beautiful pure white. Pkt. 25 cts.

Heliotrope TP

Lemoine's Giant Hybrids. Flowers vanilla-scented; very free-blooming; the colors range from white through violet and blue. 1 1/2 feet. Pkt. 10 cts., 1/8oz. 40 cts.

Midnight. Very dark foliage, stems black; flowers a lovely purple, variegated with white and light purple. Pkt. 10 cts., 1/8oz. 40 cts.

HEUCHERA (Alum Root). HP. Choice hybrids. Produce erect spikes of every shade from white to deep crimson. Blooms more freely than *H. sanguinea*. Fine for the border and excellent for cutting. Pkt. 25 cts.



Gladioli easily grown from seed

Helianthus (Sunflower)

The larger forms of these are very useful for subtropical effects, while the dwarf, small-flowered varieties are at home in the border. The miniature varieties are very nice for cutting.

Annuals

Chrysanthemum-flowered. Very double, golden yellow flowers, resembling chrysanthemums. Height 7 ft. **Pkt. 10 cts., oz. 40 cts.**
Double Orange (*H. globosus fistulosus*). Extra-large, very double flowers. 5 feet. **Pkt. 5 cts., oz. 30 cts.**

Globe of Gold. Dwarf; double orange flowers. 4 feet. **Pkt. 5 cts., oz. 30 cts.**

Multiflorus (1,000-flowered). Branches covered with golden yellow, double flowers. 8 feet. **Pkt. 10 cts.**

Mammoth Russian. Immense single flowers. **Oz. 5 cts.**

Cucumerifolius (Miniature). Very nice plants; bushy in habit and producing many flowers during a long period; very fine for cutting; long stems. 3 feet. **Pkt. 5 cts., 1/4oz. 25 cts.**

Cucumerifolius, Diadem. Sulphur-yellow, black disk. 3 feet. **Pkt. 5 cts., 1/4oz. 25 cts.**

Cucumerifolius, Orion. Deep yellow; long, twisted petals. 4 feet. **Pkt. 5 cts., 1/4oz. 25 cts.**

Cucumerifolius, Stella. An improvement on the type. Large, deep yellow flowers with dark disks. 2 ft. **Pkt. 5 cts., 1/4oz. 20 cts.**

Cucumerifolius, Double. Star-shaped, twisted petals; cactus-dahlia-like. **Pkt. 10 cts.**

PERENNIALS, Mixed. Many varieties. Beautiful plants for borders, etc. $3\frac{1}{2}$ to 6 feet. **Pkt. 10 cts., 1/4oz. 40 cts.**

Hibiscus HHP

Crimson-Eye. Large, pure white flowers, with velvet-crimson center. 4 feet. **Pkt. 10 cts.**

Golden Bowl. Large, cup-shaped, cream-yellow flowers with rich maroon center. An early bloomer. **Pkt. 10 cts.**

Manihot grandiflora, Sunset. Will flower the first season from early-sown seed. Large, soft yellow flowers, crimson-maroon eye. 4 feet. **Pkt. 10 cts.**

Palustris rosea. Large, pink flowers. **Pkt. 10 cts.**

Grandiflora Rainbow. A great acquisition, comprising scores of shades from pure white, through pink and rose, some with dark centers and others with solid colors. Flowers 8 to 12 inches in diameter, which remain open practically all day. Easily grown from seed. Live and bloom for years. **Pkt. 25 cts.**



Superb Double Hollyhock

Hollyhocks (Althæa)

These are old-time favorites; beautiful for a background, lawn or groups. Will frequently flower from fall-sown seed.

Annuals (*A. semperflorens*)

Everbloomers, from June until frost the second season. They are really early-flowering perennials.

Double Fringed. In fine varieties. 4 to 10 feet. **Pkt. 10 cts.**

Hardy Perennial Hollyhocks

Allegheny Mammoth Fringed. Very large, loosely formed, semi-double flowers, finely fringed. Sown early, flowers the first season. 7 feet. **Finest Mixed, pkt. 10 cts., 1/4oz. 30 cts., oz. 1.**

Superb Double. A percentage flower the first season from seed sown the previous fall; 5 to 8 feet. Dark Rose, Pink, Bright Red, Maroon, Flesh Color, Scarlet, White, Yellow, and Mixed. **Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.**

Single Superfine Mixed. **Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.**

Humulus

Rapid-growing, ornamental climbers.

Japonicus. Growing to 30 feet in a season. **Pkt. 5c., 1/4oz. 25c.**
Japonicus variegatus. Cream-white variegation on a deep green ground. Matures in one season. **Pkt. 10 cts., 1/4oz. 30 cts.**

HUNNEMANNIA fumarifolia (Giant Yellow Tulip Poppy). **HA.** Produces in profusion large, yellow, poppy-like blossoms. In bloom from midsummer until frost. **Pkt. 10 cts., 1/4oz. 25 cts.**

Impatiens TP

A Charming Plant for the House or Conservatory

Holstii Hybrids. Beautiful varieties, being particularly desirable for bedding, borders or pots. They form very compact plants about 1 foot high and 1 foot in diameter, with beautiful, glossy green foliage and thickly dotted over with flowers, constantly in flower until frost. Vermilion, white, red-eyed, rose, carmine, lilac, dark scarlet, dark violet, in fine mixture. **Pkt. 25 cts.**

Sultani. Brilliant rosy scarlet. May be lifted in fall and will flower nicely during the winter and spring. **Pkt. 25 cts.**

Ipomœa TA

All are members of a large genus of plants mainly of climbing habit. They are of rapid growth and produce a wonderful show of foliage and flower; are much used as a covering for walls, trellis, etc. All easily grown from seed. The seeds of Moonflowers should be cut and soaked in water twenty-four hours before sowing.

Moonflowers (*Ipomœa grandiflora*)

Very large, pure white flowers, opening in the evening and on dark, cloudy days. Very rapid grower. Will reach out 30 to 40 feet. Soak seeds, or preferably cut a notch through the hard shell; will germinate in 12 to 15 days. White- and Black-seeded, **each, pkt. 10 cts., oz. 60 cts.**

Giant Grandiflora Pink. Soft lilac-pink flowers. **Pkt. 10 cts., oz. 50 cts.**

Heavenly Blue. Beautiful sky-blue flowers, 4 to 5 inches across, with rose-colored markings; produced very early and in abundance. **Pkt. 10 cts., 1/4oz. 25 cts.**

Hederacea superba. Sky-blue flowers with white margin. **Pkt. 10 cts.**

Fuchsia-flowered. The seed-pods resemble the flower of the fuchsia. Flowers small and light rosy pink in color. Vine a rapid grower, lovely, and slender. Foliage deep green and five-fingered. Blooms late in summer until frost. **Pkt. 10 cts.**

Morning-Glories

Convolvulus major. **HHA.** This is always satisfactory as a vine for almost any purpose and thrives in any soil. **Mixed, Pkt. 5 cts., oz. 20 cts.**

Brazilian Morning-Glory (*Ipomœa setosa*). **TP.** Of luxuriant growth, leaves often measuring 10 to 12 inches across; flower salmon-rose; 4 to 5 inches in diameter; ornamental seed-pods. **Pkt. 10 cts., oz. 35 cts.**

Japanese Morning-Glory

(See illustration on opposite page)

Wonderful in the colorings and markings of the flowers as well as for the variety of form and variegation of foliage. The colors run from white through all shades of blue and purple, rose to dark red, etc. Flowers are also striped, marbled, blotched, margined. The foliage of many is beautifully variegated. Soak seeds in warm water before sowing. Early pot-sown seeds are recommended for best results. Should not be planted in the open ground until the soil is well warmed.

Imperial Giant, Mixed. Flowers of immense size. **Pkt. 10 cts., oz. 30 cts.**

Imperial Fringed, Mixed. Fringed and ruffled; many colors. **Pkt. 5 cts., oz. 25 cts.**

Kochia tricophylla HHA (Burning Bush; Summer Cypress)

A very handsome, symmetrical plant, forming beautiful globose specimens without pruning or pinching; leaves assume crimson tint in the fall. 3 feet. **Pkt. 5 cts., 1/4oz. 25 cts.**

Kudzu Vine (Pueraria) HP

Climbing vine; very rapid grower; large leaves; wistaria-like, fragrant flowers. **Pkt. 10 cts., 1/4oz. 25 cts.**

Lantana HHP

Verbena-like clusters of flowers, some changing color as the bloom ages. They are handsome bedding plants and beautiful for pots. The habit of the new hybrids is a great improvement, these being fine, dwarf and compact plants. Seed may be sown as late as March.

Hybrida, Mixed. Orange-and-red varieties. **Pkt. 10c., 1/4oz. 25c.**
Hybrida compacta. New dwarf varieties. Fine Mixed. **Pkt. 10 cts., 1/4oz. 35 cts.**

Lathyrus HP

The hardy, everlasting Sweet Pea, with flowers much like the annual sort, but without fragrance. Produces showy, climbing vines suitable for screens, trellises, etc., and flowers all summer.

White Pearl. Giant-flowering, purest white. **Pkt. 10 cts.**

Pink Beauty. Bright rosy pink. **Pkt. 10 cts.**

Splendens. Rose-carmine. **Pkt. 10 cts.**

Latifolius, Mixed. **Pkt. 10 cts., oz. 40 cts.**

Lavatera (Annual Mallows)

Beautiful and showy annuals, producing profusely the entire summer, large, cup-shaped flowers. Sow in the garden in May and thin out 1 foot apart, 2 feet.

Trimestris grandiflora rosea. Brilliant pink. **Pkt. 10 cts., 1/4oz. 25 cts.**

Trimestris alba. Pure white. **Pkt. 10 cts., 1/4oz. 25 cts.**

Trimestris, Sunset. The charming brightness of its color, a very deep rose-pink, is very effective. Fine for beds and cut-flowers. **Pkt. 15 cts.**

LINARIA Cymbalaria maxima (Kenilworth Ivy) HP

Glossy, ivy-like foliage. New, large-flowered varieties. Colors white to rose. Very neat trailing plant for boxes, baskets, etc. **Pkt. 10 cts.**

LINUM narbonnense (Flax) HP

Grows in clumps and blooms from May to July; flowers beautiful azure blue. **Pkt. 25 cts.**

Larkspur (Delphinium) HA

These form very showy bedding plants that bloom freely during the summer months. Their flowers are very bright, mainly shades of blue, purple, rose, violet, and white. They are durable and elegant for cutting. The seedlings should be thinned out early, to secure the fine branching habit now common to most of the strains offered.

Annual Larkspurs

Azure Fairy. Plant dwarf; grows to a height of 12 inches; covered with a profusion of blooms of a lovely clear cambridge-blue. **Pkt. 25c.**

Dwarf Double Rocket. These are among the first to flower. Very choice strain; in fine mixture. Fine for bedding. 1 foot. **Each, pkt. 5 cts., oz. 25 cts.**

Tall Double Rocket. Fine mixed, many shades. 2 feet. **Pkt. 5 cts., oz. 25 cts.**

Giant Hyacinth-flowered. Fine mixed, about eight colors; fine double flowers. These flower shortly after the Double Rocket and Stock-flowered varieties. **Pkt. 5 cts., oz. 30 cts.**

Newport Scarlet. A beautiful, free-flowering, large-spiked, brilliant scarlet variety. Very fine. **Pkt. 10 cts., 1/4oz. 25 cts.**

Tall Double Stock-flowered. Tall, branching. These are early varieties, fine for borders or among shrubs and useful for cutting. Beautiful shades. 2 1/2 feet. Very vigorous and free-flowering. **Mixed, pkt. 5 cts., oz. 50 cts.**

Each, **pkt. 10 cts., oz. 60 cts.**

Dark Blue	Light Blue	Red	Shell-Pink
Dark Rose	Lilac	Carmine	White
Flesh-Color	Mixed, pkt. 10 cts., oz. 50 cts.		

LEPTOSIPHON Hybrids, French. HHA. Brilliant shades from scarlet to yellow and white. Exquisite for edging, rockwork, etc. 6 inches. **Pkt. 10 cts.**

LEPTOSYNE Stillmanii. These resemble Marguerites. Bright yellow; very free-flowering. Bloom in 6 weeks after sowing. **Pkt. 35 cts.**

Lobelia

Annuals and perennials that are extensively used for bedding, being invaluable for blue edging. Also elegant for baskets, pots, etc. Require a good soil for best effect.

Hybrida, Sapphire. A splendid trailing variety. Flower deep blue with white eye. **Pkt. 25 cts.**

Gracilis. Light blue flowers; bright green foliage; trailing. **Pkt. 5 cts., 1/4oz. 30 cts.**

Compacta, White Lady. Large-flowered; line white. 6 inches. **Pkt. 10 cts., 1/8oz. 25 cts.**

Compacta, Crystal Palace. Foliage dark; flowers rich, celestial blue; the best bedder. **Pkt. 10 cts., 1/8oz. 40 cts.**

Compacta, Deep Blue. Dwarf and of very attractive growth. **Pkt. 10 cts., 1/8oz. 40 cts.**

Cardinalis robusta grandiflora. HP. Thick, large spikes of handsome, brilliant scarlet flowers. 1 1/2 feet. **Pkt. 15 cts.**

Tupa. HP. The individual flowers, which are of a bronze-crimson, resemble a very large *Lobelia cardinalis*. **Pkt. 25 cts.**

Lychnis**HP**

Arkwrightii. HP. A decided acquisition for the herbaceous border. Of upright habit and covered with blooms of many delightful shades. **Pkt. 25c.**

Haageana Hybrids. HP. Beautiful shades in mixture. Flowers are in form like a Maltese cross. They are suitable for borders and rockwork. 1 foot. **Pkt. 10 cts., 1/8oz. 25 cts.**

Marvel of Peru or Four-O'Clock (Mirabilis Jalapa)

Sweet-scented, many-colored flowers. Open in the afternoon and fade next morning; very free-flowering. Nice for beds and borders. Fine varieties, mixed. 2 1/2 feet. **Pkt. 5 cts., oz. 20 cts.**

Lupinus**Lupine; Sun-Dial**

Old-fashioned favorites that thrive in almost any soil or situation. Some species are extensively used for forage and improvement of poor soils.

The taller varieties are useful for the border, and dwarfier sorts for bedding.

Polyphyllus. HP. Very effective, spring-flowering plants, producing large spikes of pea-shaped flowers.

Polyphyllus roseus. Rose; immense spikes. **Pkt. 10 cts., oz. 50c.**

Polyphyllus, Blue and White. Large spikes; very thrifty. **Each, pkt. 5 cts., oz. 35 cts.**

Polyphyllus Moerheimii. Fine hardy Lupine plants about 3 feet high, of vigorous growth, bearing long spikes of beautiful flowers. In color, a combination of light and dark pink. **Pkt. 10 cts., oz. 50 cts.**

Perennial Varieties. Choice mixed. **Pkt. 5 cts., oz. 25 cts.**

Hartwegii. This class is a great improvement on the old form. Very showy and nice for cutting. 2 feet. Blue, Rose, White, Red, and Sky-blue. **Each, pkt. 5 cts., oz. 25 cts.; Mixed, pkt. 3 cts., oz. 20 cts.**

Mesembryanthemum TA

Interesting dwarf ornamental foliage plants of great beauty; love a sunny situation, and bloom all summer.

Crystallinum (Ice Plant). Flowers white; foliage covered with ice-like globules. **Pkt. 5 cts., 1/4oz. 25 cts.**

Tricolor (Wax Plant). Flowers crimson, pink and white. **Pkt. 5 cts., 1/4oz. 25 cts.**



Imperial Japanese Morning-Glories
(See page 48)

Marigold

Old-fashioned annuals, always satisfactory, giving a fine display from midsummer to frost from outdoor-sown seed; for earlier bloom seed should be started in frames.

African (*Tagetes erecta*)

Eldorado. Bright orange flowers, shaded primrose, 3 to 4 inches across. 2 feet. Pkt. 5 cts., 1/4oz. 25 cts.

Lemon Queen. Very large, globular, double canary-yellow flowers. Erect, branching habit. 2 feet. Pkt. 5 cts., 1/4oz. 25 cts.

Pride of the Garden. Dwarf and bushy; splendid, brilliant, double, large-sized flowers of various shades of yellow. 1 1/4 feet. Pkt. 5 cts., 1/4oz. 25 cts.

Tall Double Mixed. Pkt. 5 cts., 1/4oz. 15 cts.

Dwarf Double Mixed. Pkt. 5 cts., 1/4oz. 15 cts.

French Marigolds (*Tagetes patula*)

These are very bright and effective in ribbon lines or for edging beds of tall plants.

Legion of Honor. Single; bright yellow with dark crimson spots or blotches; a good bedder. 9 inches. Pkt. 5 cts., 1/4oz. 25 cts.

Dwarf Double Mixed. Pkt. 5 cts., 1/4oz. 20 cts.

Tall Double Mixed. Pkt. 5 cts., 1/4oz. 20 cts.

MAURANDIA Barclaiana. HHP. Graceful rapid-growing climbers. Fine for conservatory or outdoors. Also suitable for hanging-baskets and vases. Choice mixed. Pkt. 10 cts.

MECONOPSIS integrifolia. HP. A striking, large, yellow-flowered Poppy from Thibet, producing from six to ten large, pure yellow flowers, 6 inches in diameter. Protect in winter. Pkt. 25 cts.

MIMOSA pudica. TA. The interesting Sensitive Plant, the leaves of which fold as soon as touched. A neat ornamental plant for the house. 1 to 2 feet. Pkt. 5 cts., 1/4oz. 20 cts.

Mignonette (*Reseda odorata*)

A general favorite; indispensable for its delightful fragrance. Seed may be scattered in the borders or any sunny situation that is available. All varieties offered were selected for their superior qualities.

Her Majesty. One of the finest varieties for winter forcing and a great improvement on Defiance. Seed saved from select spikes. Pkt. \$1.

New Giant Crimson. Uniform spikes of crimson flowers; fine for forcing; pot-saved seed. Pkt. 25 cts., 1/4oz. 50 cts.

Grandiflora Giant. Very fine large spikes of reddish green flowers; fine for forcing. Pkt. 25 cts., 1/4oz. 50 cts.

Machet. Of dwarf pyramidal growth. Pkt. 10 cts., 1/4oz. 25 cts.

Defiance. Spikes of great length with large flowers; fine cut-flower variety. 1 to 1 1/4 feet. Pkt. 10 cts., 1/4oz. 20 cts.

Goliath. Giant trusses of red flowers, borne on long, heavy spikes. One of the best for growing indoors. 1 foot. Pkt. 10 cts., 1/4oz. 25 cts.

Victory. A vigorous grower, forming dense bushes producing stout, broad flower-heads; very sweet. 1 foot. Pkt. 10 cts., 1/4oz. 20 cts.

Golden Machet. Massive spikes of golden yellow blossoms. Pkt. 10 cts., 1/4oz. 25 cts.

Sweet-scented (Odorata). The old Mignonette; very sweet-scented. Pkt. 5c., oz. 15 cts., 2 ozs. 25 cts., 4 ozs. 45 cts.

Mimulus HHP

Moschatus (Musk Plant). A very nice plant for pots or hanging-baskets; fragrant. Pkt. 10 cts.

Tigrinus grandiflorus. Very beautiful, large-flowered Monkey Flower, tigered and spotted; very showy. 9 inches. Pkt. 10 cts.

MINA lobata. Beautiful climber with flowers borne in twin sprays. The buds are bright red and orange-yellow at opening, and pale yellow when in full flower; very showy. Pkt. 5 cts.



Mignonette, Golden Machet



Marigolds, Eldorado

Momordica

Charantia (Balsam Pear). TP. Ornamental vine for trellis, etc.; the flowers are followed by pear-shaped golden yellow, warty fruits. 10 feet. Pkt. 5 cts., oz. 35 cts.

Balsamina (Balsam Apple). Apple-shaped fruits, with glossy green foliage. Pkt. 5 cts., oz. 35 cts.

Musa Ensete (Abyssinian Banana) TP

A large, fine foliage plant. Seeds sown in the heat will produce fine plants the first season; a showy pot-plant where sub-tropical effect is desired. Pkt., 10 seeds, 25 cts.; 25 seeds, 50 cts.

Myosotis (Forget-me-not) HP

Some are lovely plants for moist and shady situations. The Myosotis may all be lifted in fall and potted for winter and spring flowering. We offer the choicest varieties, which will give very nice results in the garden.

Alpestris, Victoria. Dwarf and bushy. Also very early, flowering eight to ten weeks after sown; large, bright blue flowers. Pkt. 10 cts., 1/8oz. 30 cts.

Alpestris, Mixed. Pkt. 5 cts., 1/4oz. 30 cts.

Argentina. Very free and large-flowering white form of Ruth Fischer. Pkt. 25 cts.

Dissitiflora, Perfection. New. Extra-large flowers twice the size of the type; light blue; very fine. Pkt. 25 cts., 1/8oz. 50 cts.

Ruth Fischer. A decided improvement. Elegantly formed blue flowers, the individual heads 2 to 5 inches across; compact habit. The finest pot Myosotis to date. Pkt. 25 cts.

Palustris. The true "Forget-me-not." Bright blue flowers. 6 inches. Pkt. 10 cts., 1/8oz. 40 cts.

Nigella HA

Elegant flowers partially inclosed in fine-leaved bracts. Seed-pods of some are curiously horned; the black seeds are aromatic.

Damascena. Compact, free-flowering; foliage finely cut; flowers blue. Pkt. 5 cts., oz. 30 cts.

Damascena fl.-pl., Miss Jekyll. Neat, fennel-like foliage; beautiful, sky-blue flowers; fine for cutting. 1 1/2 feet. Pkt. 10 cts., 1/4oz. 25 cts.

Lawn Grass Seed. If you desire a perfect lawn, use our Evergreen Lawn Seed. For SHADY PLACES sow our Shady-Nook Lawn Seed. Both kinds, if sown early in the spring, will produce a good lawn by midsummer. See inside back cover for seed and directions how to make a lawn.

Nasturtiums HHA

Tall (*Tropaeolum majus*)

These popular flowering plants thrive in a poor, dry soil, making a quick growth, and are very useful for screening or quickly covering waste spots, etc. The colors are well-nigh indescribable. Some of the newer varieties present most gorgeous colors. The variegated section will also be found elegant, in some the foliage having gold, in others silver, variegation, being very ornamental, even before the beautiful contrast with flowers is presented. Growth 6 to 8 or 10 feet.

Any of the following varieties, pkt. 5 cts., oz. 15 cts., 2 ozs. 25 cts., 4 ozs. 40 cts.

Butterfly. Lemon-yellow, with petals marked dark red.

Chameleon. Various richly colored flowers on the same plant.

Coccinea. Bright scarlet.

Fashion. Light crimson-rose flowers.

Hemisphericum. Straw-color, blotched rose.

Jupiter (Sunlight). Large, golden yellow flowers.

Moonlight. Very light cream flowers of largest size.

Midnight. Foliage very dark green, flowers deep brownish red.

Salmon Queen. Rich shade of salmon; foliage dark green.

Twilight. Large, salmon-rose flowers, suffused scarlet.

Yellow Prince. Lemon-yellow, carmine-spotted.

Velvet Foliage. Foliage dark and velvety; flowers crimson.

Beckert's Superb Mixture of Fancy Giant-Flowering Varieties

One of the choicest collections of really high-class varieties not commonly found in mixtures. It contains many high-priced named kinds of superb colors. **Pkt. 5 cts., oz. 15 cts., 2 ozs. 25 cts., 4 ozs. 40 cts., lb. \$1.50**

IVY-LEAVED, MIXED. Leaves delicate English-ivy form; flowers of delicate fringed formation. **Pkt. 5 cts., oz. 20 cts.**

VARIEGATED-LEAVED, MIXED. Produce, even without the flowers, a splendid effect. The flowers, however, are as beautiful as the preceding class. **Pkt. 5 cts., oz. 20 cts., 4 ozs. 60 cts.**

FINE MIXED. Oz. 10 cts., 4 ozs. 30 cts., lb. \$1.

Lobb's Tall Nasturtiums

Profuse bloomers, but not so rank in growth as the preceding.

Each, pkt. 5 cts., oz. 15 cts., 2 ozs. 25 cts., 4 ozs. 40 cts.

Black Prince

Golden Garnet

Battle Giant

King of Blacks

Crystal Palace

Madame Gunther Hybrids

BECKERT'S SUPERB MIXTURE OF LOBB'S TALL NASTURTIUMS. Pkt. 5c., oz. 15c., 2 ozs. 25c., 4 ozs. 40c., lb. \$1.25.

FINE MIXED. Oz. 10 cts., 4 ozs. 30 cts., lb. \$1.

Dwarf or Tom Thumb Nasturtiums

Most excellent bedding plants, that seem to thrive best in a poor, rather dry soil, which disposes to less and smaller foliage and more bloom. Rich ground will produce a very strong growth, tending to throw the flowering season quite late. Their value for cut-flowers is one of their chief merits. The new variegated forms are very pretty.

Any of the following varieties, pkt. 5 cts., oz. 15 cts., 2 ozs. 25 cts., 4 ozs. 40 cts.

Aurora. Chrome-yellow, veined purplish crimson.

Beauty. Flowers yellow and scarlet; bright.

Chameleon. Splashed crimson, bronze and yellow.

Crystal Palace Gem. Sulphur, spotted maroon.

Deep Scarlet. Bright, vivid scarlet.

Empress of India. Brilliant crimson; dark foliage.

General Jacqueminot. Crimson-scarlet; foliage dark green.

Golden King. Large flowers; deep golden yellow.

King of Tom Thumbs. Bright scarlet; dark green foliage.

DWARF or TOM THUMB NASTURTIUMS, continued

King Theodore. Flowers crimson-maroon. Dark foliage.

Dwarf Scarlet Prince. Spotted leaves; bright crimson-scarlet flowers.

Ruby. Ruby-red, salmon-tinted.

Rudolph Virchow. Soft rosy pink.

Vesuvius. Very fine salmon-red.

Beckert's Superb Mixture of Tom Thumb Nasturtiums

This is a befitting companion mixture to Beckert's Superb Tall Collection offered opposite. This also contains the choicest colors in greatest variety. **Pkt. 5c., oz. 15c., 2 ozs. 25c., 4 ozs. 40c., lb. \$1.25.**

IVY-LEAVED, MIXED. All colors in Nasturtiums, with ivy-like foliage. **Pkt. 5 cts., oz. 20 cts.**

Variegated-leaved, Mixed (See illustration)

Foliage handsomely variegated. Flowers in bright colors. **Pkt. 5 cts., oz. 20 cts., 4 ozs. 60 cts.**

FINE MIXED. Oz. 10 cts., 4 ozs. 30 cts., lb. \$1.

LILLIPUT. Charming new class recently introduced; leaves and flowers very small. Fine colors. **Choicest Mixed, pkt. 5 cts., oz. 25 cts.**

Nicotiana (Tobacco) HHA

The following varieties are beautiful flowering plants and handsome for borders.

Affinis. A lovely white flower that opens mornings and evenings and during cloudy weather. 2½ to 3 feet. **Pkt. 5 cts., ¼oz. 25 cts.**

Affinis hybrida grandiflora. Large-flowering, sweet-scented hybrids, ranging through many shades. **Pkt. 10 cts., ¼oz. 35 cts.**

Sanderæ. Beautiful, long, tubular flowers; deep carmine-red. **Pkt. 10 cts., ¼oz. 25 cts.**

Sanderæ Hybrids. Flowers large; colors are all fine. White, crimson, flesh, purple, rose-violet, blood-red, forming a beautiful mixture. **Pkt. 10 cts., ¼oz. 35 cts.**

Sylvestris. The long, tubular, white flowers droop in racemes over the foliage, are very sweet, and do not close during the day. 5 to 6 feet. **Pkt. 10 cts., ¼oz. 25 cts.**

NEMESIA strumosa grandiflora. HHA. This is a large-flowered, dwarf, bushy strain in charming mixture. Delightful little plants for edging; free-flowering and blooming for a long time. 6 inches. **Pkt. 15 cts.**

NEMOPHILA. Handsome annuals for beds, edging or rockwork. They are of trailing habit. May be sown in spring or fall. **Mixed, pkt. 5 cts.**

NIEREMBERGIA frutescens (Cup Flower). HHP. Graceful, feathery foliage; colors white to bluish, yellow center. 1 foot. **Pkt. 10 cts.**

GENOTHERA (Evening Primrose). Blooms all summer and very freely. Opens in the evening and lasts well during the next day.

Afterglow. HP. Yellow with brilliant red calyx; very attractive. **Pkt. 15 cts.**

OXALIS tropaeoloides (Wood Sorrel). Brownish foliage; small, yellow flowers. Fine for its foliage effect in bedding and good for pots and baskets. 1 to 3 feet. **Pkt. 10 cts., ¼oz. 25 cts.**

Pentstemon HP

Many of these plants are hardy on dry soil. They are herbaceous and make fine plants for the border; clumps produce a splendid show.

Sensation (Gloxinioides). A giant gloxinia-flowered variety. Plants attain a height of 2 feet, every branch being a spike of large flowers 2 inches across. The colors and markings range from pink to scarlet and maroon, veined and blotched with other colors. Blooms from midsummer until frost. **Pkt. 15 cts.**

Choice Mixture of Many Varieties. Pkt. 5 cts.



Variegated-leaved Dwarf Nasturtiums

Pansies (Heart's Ease) HP

Pansies, while preferring a light, rich soil and a partially shady, cool and moist situation, producing, under such ideal conditions, large, magnificently colored flowers, will nevertheless thrive under less favorable surroundings. In fact, almost any soil and situation will give good returns. If planted in full sun exposure, mulch beds during the hot term and water freely; the delicate tints may be partially neutralized, and flowers will not attain full size, yet a very rich and continuous display may be had which in fall will almost equal the early spring show. Faded flowers must be removed every few days to prevent seeding. Seed may be sown from July to September, and these plants, protected over winter, will flower early in spring and continue throughout the season. Spring-sown seed will flower from summer to fall. We offer a very complete collection of varieties and strains embracing "All That's Good in Pansies."

PAMPHLET ON PANSY-CULTURE FREE

Finest Show Pansies

Beckert's Superb Mixture. Our own blending of Show and Giant varieties. Pkt. 50 cts., 1/8oz. \$1.50, oz. \$10.

Choice Mixture. Large-flowering varieties. Pkt. 25 cts., 1/8oz. 80 cts., oz. \$6.

Bugnot's Giant Spotted. Large, superb flowers, with broad blotches, the petals finely lined in great diversity of rarest colors. Pkt. 25 cts.

Cassier's Superb Strain. Large, round flowers; colors rich and varied. Pkt. 25 cts.

Curled Masterpiece. Every petal is conspicuously undulated and curled, and the flowers are among the largest. Among these Pansies are also found some lovely tints of color not met with in other strains. Pkt. 25 cts.

Princess. Strikingly erect habit. Stalks strong, rising vertically from the roots. Flowers in an extensive range of colors, mostly of the large-flowered, blotched, and frilled type. Pkt. 25 cts.

World's Record. New, early giant-flowering strain, which blooms very early when other varieties are still dormant.

Celestial Queen. Lovely sky-blue with little marking. Pkt. 25 cts.

Ice King. Beautiful silvery white with black center. Pkt. 25 cts.

March Beauty. Deep velvety blue. Extra-large flowers. Pkt. 25 cts.

Winter Sun. Splendid bright yellow with dark center. Pkt. 25 cts.



Pansies, Curled Masterpiece

Giant Trimardeau Pansies

Beautiful class of vigorous and compact growth. Flowers of largest size. All varieties, pkt. 10 cts., 1/4oz. 85 cts., oz. \$3.

Adonis. Light blue.

Andromeda. Rosy lavender.

Atropurpurea. Blackish purple.

Blue Emperor. Ultramarine-blue.

Golden Queen. Pure yellow.

Golden Yellow. Dark eye.

Hortensia. Shades of rose.

Lord Beaconsfield. Lavender and purple.

Snow Queen (Snow-flake). Satiny white.

Striata. Striped varieties mixed.

White. With violet eye.

Trimardeau, Mixed. Pkt. 5 cts., 1/4oz. 70 cts., oz. \$2.50.



Large-flowering Fringed Petunias

Petunia HHA

Hybridizing has accomplished wonders in this as in other genera of plants. But a few years back it was deemed imperative to secure in fall stock plants of all desirable varieties. At the present day this would be a waste of time and space, as the excellent strains of seed now offered fulfil all wants. Single- and double-flowering, plain or fringed petals, tall or dwarf growth, may all be had remarkably true from seed, and with these go a degree of vigor that is lacking in plants propagated by cuttings. Petunias are valuable as pot-plants, particularly adapted for vases, baskets, window-boxes, etc., and the dwarf varieties are leaders for bedding. For the latter purpose February and March sowings will be timely. Only the very best strains.

Giants of California. Large, fluffy blossoms, handsomely fringed, and ruffled. Very free-flowering. White, rose, crimson, black, etc. Mixed, pkt. 25 cts.

Single-Flowered Petunias

Large-flowering, Fringed. An unsurpassed mixture from show flowers. Pkt. 25 cts.

Ruffled Giants. A distinct class with very large, deeply ruffled flowers. Pkt. 25 cts.

Ruffled and Fringed Giants. Exquisitely fringed and ruffled on the edges, and of immense size, in endless varieties of colors, markings, veinings, blotches and stripings, with deep throats of maroon, yellow, white, black, or green. Pkt. 25 cts.

Howard's Star. Very free-flowering. A blush-pink star on purple ground. Pkt. 10c., 1/8oz. 50 cts.

Double-Flowered Petunias

Large - Flowering, Double, Fringed, Mixed. A superb mixture of finely fringed varieties in many colors. Pkt. 50 cts.

Marvelous Double Petunias

Never surpassed in beauty, size, form, or color, if ever equalled. Some flowers measure 5 inches across, none less than 3 inches. They are fluted, frilled, ruffled, and pinked in many forms and colors. Pink, Pure White, Violet, Lavender, Mauve, Crimson, plain, and shaded with variegations in all these shades innumerable. Pkt. \$1.

Poppies (Papaver)

Annuals and hardy Perennials. Poppies are unsurpassed for brilliancy of color, and, from the charming little Shirley to the gorgeous peony-flowered, are subjects of lavish admiration. As they do not transplant satisfactorily, it is advisable to sow them where they are to remain. Many of them are elegant for cutting, particularly the Shirleys; these, if picked early in the morning with buds just showing color, will be found durable for two days or more.

Single Annual Poppies

Admiral. A peony-flowered white, with a broad band of brilliant scarlet around the top; very showy and very fine for use as a cut-flower. **Pkt. 5 cts., 1/4oz. 20c.**

Shirley Improved. This is a charming class of Poppies, all white-centered, and running through many beautiful shades of rose, salmon, apricot, pink, etc., to glowing crimson. This is an elegant variety for cutting. 2 feet. **Pkt. 5c., oz. 40 cts., 4 ozs. \$1.50.**

Scarlet. Color scarlet of intense shade, with glittering black spot at the base of each petal. 1 foot. **Pkt. 5 cts., oz. 40 cts.**

The Bride. Elegantly fringed; single; pure white. 2 1/2 feet. **Pkt. 5 cts., oz. 25 cts.**

Tulip (Glaucum). Dazzling scarlet; cup-and-saucer form. Different from all other Poppies and of unique interest in form and color. **Pkt. 5 cts., 1/4oz. 25 cts.**

Single-flowered, Mixed. In very fine mixture. **Pkt. 5c., oz. 20c.**

Double Annual Poppies

Carnation-flowered. A splendid border variety. Large, very double, fringed flowers in brilliant colors. 2 1/2 ft. **Pkt. 5c., oz. 25c.**

Double Shirley (Ranunculus-flowered). Beautiful bright double flowers. **Pkt. 5 cts., oz. 40 cts.**

Mikado. Each blossom is a large fluffy ball, pure white at base, with crimson tips. 2 1/2 feet. **Pkt. 5 cts., oz. 25 cts.**

The Fayal. Flowers double and single. All shades of red, pink, maroon, and white. **Pkt. 10 cts.**

White Swan (Snowdrift). Very large, double, white, beautifully fringed. 2 feet. **Pkt. 5 cts., oz. 25 cts.**

Double-flowered, Choice Mixed (See illustration)

One of the finest strains, containing many exceptionally showy types and colors. **Pkt. 10 cts., oz. 50 cts.**

Perennial Poppies

These varieties may be sown from July to September to flower the following season, though the Alpine and Iceland families will flower the first season from seed sown in February.

Alpine, Fringed. These are charming little flowers with single fringed or fluted petals. Colors are white, salmon, rose and orange in mixture. Sixty per cent come true. 9 inches. **Pkt. 25 cts.**

Bracteatum. Immense, blood-red flowers with black blotches at base of each petal; very fine variety. 4 feet. **Pkt. 10c., 1/4oz. 25c.**

Iceland (Nudicaule). Very graceful, dwarf plants containing over twenty shades. 1 foot. **Pkt. 10 cts., 1/4oz. 25 cts.**

Oriental. Gigantic dark scarlet flowers. **Pkt. 10 cts., 1/4oz. 25 cts.**

Oriental Hybrids, Mixed. A splendid mixture of all colors. **Pkt. 10 cts., 1/4oz. 50 cts.**

Pure Satiny White. With crimson blotch at base of each petal. **Pkt. 20 cts.**

PLATYCODON grandiflora (Chinese Bellflower). **HP.** Large, broad, bell-shaped flowers; fine for the border. Deep blue and white mixed. 1 3/4 feet. **Pkt. 10 cts., 1/4oz. 40 cts.**

Portulaca (Sun Plant)

These are succulent plants that delight in light, dry soil in a sunny situation, blooming profusely during the hottest weather and producing a gorgeous display. The seed should be sown where wanted and thinned out as required, the plants being of a spreading character. 6 in.

Single Finest Mixed. In numerous rich colors. **Pkt. 5c., oz. 40c.**

Double Mixed. Extra-fine quality. A large percentage of the flowers come double. **Pkt. 10 cts., 1/4oz. 60 cts.**

Phlox Drummondii (Flame Flower)

A very beautiful and useful class of half-hardy annuals. They are so many-hued, brilliant, varied and lasting, that few rivals are to be found for effectiveness from July to fall. To secure good results, they should be sown or planted in well-drained soil and thinned out at an early stage to secure sturdy plants. Full sun exposure suits them best, as in wet or shady situations they are subject to mildew. Seed may be sown outdoors in April and May, or earlier indoors and transplanted.

All faded trusses of flowers should be removed before they go to seed.

Phlox Drummondii grandiflora

A great improvement on the old tall varieties, having large, round florets with distinct eyes; are very fine bedders and useful for cuttings. 1 to 1 1/2 feet apart is not too much space for good soil. 1 foot.

Alba. Flowers pure white.
Alba purpurea. White, purple eye.

Brilliant. Rose, with dark eye.
Chamois-Rose. With white eye.
Isabellina (Lutea). Flowers yellow; distinct; borne very profusely.

Kermesina. Rich crimson.
Meteor. Brilliant scarlet.
Shell-Pink.

All varieties above, **pkt. 10 cts., 1/4oz. 40 cts.**

Cuspidata and Fimbriata, Mixed. Starred and fringed varieties mixed. **Pkt. 10 cts., 1/4oz. 40 cts.**

Large-flowering, Finest Mixed. **Pkt. 5 cts., 1/4oz. 30 cts., oz. \$1.**

Phlox nana compacta

Dwarf; compact. These are elegant for beds, edging, and nice for pot-plants. They may be planted or thinned to 8 inches space. They will average 6 inches in height.

Grandiflora (Cecily Phloxes). These dwarf varieties have flowers equally as large as the Grandiflora class. Very handsome for bedding. 6 inches. Finest Mixed. **Pkt. 10 cts., 1/4oz. 50 cts.**

Chamois-Rose. **Pkt. 10 cts., 1/4oz. 30 cts.**

Fireball. Scarlet. **Pkt. 10 cts., 1/4oz. 30 cts.**

Snowball. White. **Pkt. 10 cts., 1/4oz. 30 cts.**

Choice Mixed. **Pkt. 5 cts., 1/4oz. 50 cts.**

Primula sinensis (Chinese Primrose) TP

Beautiful house plants that are quite readily grown from seed. Full directions for their care are printed on the seed packets.

Giant-flowering Fringed Primulas

Giant Mixed. Superb mixture. **Pkt. 50 cts.**

Fimbriata, Single. Choice mixed. **Pkt. 25 cts.**

Fimbriata, Double. Choice mixed. **Pkt. 50 cts.**

STAR PRIMULAS (Primula sinensis stellata). A beautiful new class. Very fine as pot-plants or for cutting. 2 feet. **Mixed, pkt. 50c.**

OBCONICA. A good variety for pot-plants for decorative use, blooming from autumn to spring. May also be used outdoors. The Gigantea is a giant type of higher perfection. **Each, pkt. 50 cts.**

Grandiflora alba. White. **Gigantea rosea.** Rose.

Grandiflora lilacina. Lilac. **Gigantea rubra.** Red.

Gigantea. Carmine. **Gigantea, Mixed.**

Half-Hardy Primulas

Useful for pot culture or for rockeries and borders. While hardy under favorable conditions of soil and moisture, it is prudent to protect them over winter, particularly against saturation of soil by water.

Auricula. A wonderful range of colors. 1 foot. **Pkt. 25 cts.**

Elatior (Polyanthus). Attractive early spring-flowering variety, either for the house or outdoor culture. **Giant Crimson, Giant White, and Giant Yellow.** Each, **pkt. 25 cts.**

Veris elatior, Choice Mixed. **Pkt. 20 cts.**

Japonica, New Hybrids. Vigorous, large-leaved, and about 18 inches high, throwing a tall flower-stem. Colors vary from bluish-white to crimson and maroon, and of many pleasing shades. **Pkt. 15c.**

Malacoides. A giant Baby Primrose from China. Foliage light green, deeply waved and fringed. 6 to 10 inches; light lilac. **Pkt. 25c.**

Vulgaris (English Primrose). 6 inches. **Pkt. 10 cts., 1/4oz. 50 cts.**



Happy in a field of Peony-flowered Poppies

Pyrethrum HP

Roseum hybridum grandiflorum. These are new large- or giant-flowering single varieties, ranging from light pink to carmine-red. They are elegant for cutting and plants are perfectly hardy. Mixed colors. 2 feet. **Pkt. 15 cts., 1/8oz. 40 cts.**

Hybridum flore-pleno. Finest double hybrids. Seed saved from the finest collection. Only a portion of the plants will produce double flowers the first season. **Pkt. 25 cts.**

Foliage or Bedding Pyrethrums TP

Parthenifolium aureum. The well-known Golden Feather. Valuable for bedding, etc. 6 inches. **Pkt. 5 cts., 1/4oz. 20 cts.**

Parthenifolium aureum selaginoides. The beautiful Fern-leaved Golden Feather. 5 inches. **Pkt. 5 cts., 1/4oz. 25 cts.**

Ricinus HHA**Castor-Oil Plant**

Nothing we offer surpasses these in subtropical effectiveness. Some will very easily reach a diameter of 10 to 12 feet, and others a height of 15 feet or more, according to treatment. They respond quickly to feeding and watering, and by removing side growths they will soon screen a window or sunny side of a porch. Beautiful as a solitary plant or in groups. For quickest results start seeds in pots.

Bourboniensis arboreus. Tree-like variety with giant leaves. One of the most imposing varieties. 15 feet. **Pkt. 5 cts., oz. 25 cts.**

Cambodgensis. Beautiful, dark foliage and stems almost black. 5 to 8 feet. **Pkt. 5 cts., oz. 25 cts.**

Gibsonii. Dark purple leaves and stems; of dwarf habit. 4 feet. **Pkt. 5 cts., oz. 25 cts.**

Gibsonii mirabilis. Both stem and foliage a rich, dark brown; the young leaves very glossy; fruits are remarkably bright carmine. 4 feet. **Pkt. 5 cts., oz. 30 cts.**

Panormitans. Particularly attractive on account of its sturdy, erect growth and symmetrical outline. The stem, leaf-stalk and fruit-capsules are covered with a plum-like bloom. The deeply lobed leaves, 2 1/2 feet and more across, on 2-foot leaf-stalks, are lustrous bronze in young state, maturing to an olive-green, the midrib and veins being deep red. 6 to 8 feet. **Pkt. 5 cts., oz. 30 cts.**

Sanguineus (Obermannii). A very ornamental variety; stalk and fruit-vessels blood-red. 8 feet. **Pkt. 5 cts., oz. 25 cts.**

Zanzibarensis, Mixed. All beautiful varieties for specimen plants or groups. It is claimed for Castor plants that they drive away or disperse moles, the odor of the roots being offensive. **Pkt. 5 cts., oz. 20 cts.**

Salvia or Scarlet Sage

Mainly half-hardy perennials. Most satisfactory bedding plants, the newer varieties all blooming from July to frost. A sunny situation in ordinary soil suits them best, over-rich soil tends to overgrowth with later and fewer flowers. 1 1/2 to 3 feet.

Bonfire. Compact in growth; spikes erect, brilliant scarlet in color. 2 feet. **Pkt. 10 cts., 1/8oz. 40 cts.**

Fireball. Semi-dwarf, 1 1/2 to 2 feet in height, and very bushy; very free and early; splendid bedder. **Pkt. 10 cts., 1/8oz. 60 cts.**

Splendens (Scarlet Sage). Tall variety, very rich and free; late. 2 feet. **Pkt. 5 cts., 1/4oz. 50 cts., oz. \$1.75.**

Ostrich Plume. A beautiful new variety. In habit the plant resembles *Salvia splendens*. The flowers are in plumes instead of spikes. The plumes are large and produced profusely. Color of flower brightest scarlet—more so than other scarlet Salvias. **Pkt. 10 cts., 1/8oz. 60 cts.**

Salvia or Scarlet Sage, continued

Scarlet Dragon. A splendid bright scarlet bedding *Salvia*. Flowers nearly twice the size of other varieties. The plant attains a height of 3 feet and becomes 3 feet in diameter. When at its best, it is a mass of blooms. **Pkt. 10 cts., 1/8oz. 50 cts.**

King of the Carpets. The plant attains a height of 16 to 18 inches and is round and bushy in habit. The bright red spikes are produced in great profusion and quite early in the season. **Pkt. 25 cts., 1/8oz. 75 cts.**

Drooping Spikes. Resembles *Splendens* in size and color, but the spikes are larger and droop in a graceful manner, which is very noticeable. This is the only variety that has the drooping habit. **Pkt. 10 cts., 1/8oz. 60 cts.**

Zurich, or Lord Fauntleroy. A new dwarf, free- and early-flowering variety. A splendid bedder. 1 1/2 feet. **Pkt. 15 cts., 1/8oz. 75 cts.**

Farinacea. HP. Sow seed in open ground in May. Blooms from July to frost. Flowers beautiful light-blue, borne on long spikes. 2 feet. **Pkt. 10 cts.**

Patens. HP. A lovely blue; very rich. A fine border species. 3 feet. **Pkt. 25 cts.**

Salpiglossis**Painted Tongue**

A gorgeous display is given by these plants during the hot days and drought of July and August. Their coloring is wonderfully rich, and the funnel-shaped flowers are marvelously painted and penciled, having the appearance of numerous overlapping petals. A most satisfactory plant for quite dry situations; also a fine pot-plant. 2 1/2 to 3 feet.

Grandiflora. Light Yellow, Crimson, Primrose, Purple and Gold, Rose and Gold, Scarlet and Gold, and White and Gold. Each, **pkt. 10 cts., 1/4oz. 50 cts.; Mixed, pkt. 10 cts., 1/4oz. 40 cts.**

Emperor. This type has only one main stem, bearing on its summit a large cluster of beautiful flowers of immense size. Finest mixed colors. **Pkt. 10 cts., 1/4oz. 40 cts.**

Scabiosa**Mourning Bride; Pincushion Flower**

Extremely free-flowering plants. Splendid for beds and borders. Seed make nice winter-flowering plants.

Large-flowering, Double. It is a constant and free bloomer, the plants being masses of color throughout the summer months. Faded flowers should be removed to husband the strength of plants. 3 feet. Azure Fairy, White, Flesh, Rose, Lilac, Cherry-Red, Brick-Red, and King of Blacks (very deep purple and crimson). Each, **pkt. 10 cts., 1/4oz. 25 cts.; Mixed, pkt. 5 cts., 1/4oz. 20 cts.**

Large-flowering, Double, Semi-Dwarf. Very nice for beds. 1 foot. Mixtures of white, lilac, black-purple and fiery red. **Pkt. 5 cts., 1/4oz. 20 cts.**

Caucasica. HP. These are elegant perennial varieties, that flower the first season from early-sown seed. **Pkt. 10c., 1/8oz. 35 cts.**

Japonica. HP. Beautiful lavender-blue flowers, borne on long stems. Fine for cutting; plants bushy. 2 1/2 ft. **Pkt. 10c., 1/4oz. 30c.**

Silene

Orientalis. HP. A robust border plant, with many heads of bright rose flowers, having a clove odor; nice for cutting. 2 1/2 feet. **Pkt. 5 cts., 1/4oz. 25 cts.**

Pendula. HA. Splendid for spring bedding. Mixed. **Pkt. 10 cts.**

Pendula rosea. Dwarf, rose. **Pkt. 5 cts.**

Pendula delicata fl.-pl. Delicate double rose flowers. **Pkt. 10c.**

Schafta. HP. A very showy trailing perennial variety. Flowers rosy purple. **Pkt. 10 cts.**

SHAMROCK. True seed; imported from Ireland. **Pkt. 10 cts.**

**Salvia splendens**

Schizanthus (Butterfly Flower) HHA

The sight of a few well-grown plants would induce or tempt a novice to grow them. They are simply elegant for decorative use in pots or for cutting. The buds open in water and the sprays last for a week. Best plants are grown from August- to September-sown seed; with cineraria treatment success is assured. May also be sown at intervals for succession.

Wisetonensis, Bridal Veil. A pure white form of *Wisetonensis*. Pkt. 25 cts.

Wisetonensis, Excelsior. Mammoth-flowering, with markings and colorings such as are found in fancy *Pelargonium*. Ground-colors white, rose, or buff. Fine for greenhouse culture. Pkt. 50 cts.

Monarch. One of the finest large-flowering strains in existence, embracing a wide range of colors from almost pure white through delicate shades of pink to bright rose and crimson, also exquisite mauve and lavender tints. Many beautifully blotched and penciled, various darker shades, including bronze and chocolate. Plant is of a fine compact habit. Pkt. 50 cts.

Hybrida grandiflora. Flowers very large and in a good variety of colors. Pkt. 10 cts.

Solanum Capsicastrum nanum (Jerusalem Cherry) TA

Handsome dwarf plant with abundance of ornamental scarlet berries. 1 foot. Pkt. 10 cts.

Smilax (Myrsiphyllum) TP

This popular decorative vine of the florists is readily grown from seed, and will attain a height of 6 to 12 feet. Should have a rich soil. Most suitable for conservatory. Pkt. 10 cts., 1/4oz. 25 cts.

STATICE incana. HP. A beautiful variety of Sea Lavender; fine for cutting. 1 1/2 feet. Pkt. 10 cts.

STEVIA serrata. TP. Large heads of small, cream-white, sweet-scented flowers; very useful for cutting and combining with other flowers in bouquets. 1 1/2 feet. Pkt. 10 cts.

Stokesia cyanea HP

Cornflower Aster

A most charming and beautiful hardy plant that should have a place in every hardy border. Also fine for cutting. Originally sent out in the lavender-blue variety, but we now offer same in mixture of various shades of the colors named below, including pure white and yellow. The plant is perfectly hardy, grows to a height of 2 feet, and produces twenty-five or more of its beautiful flowers. Blooms from mid-summer until frost. We offer this in choice mixture of shades of blue, pink, purple, and yellow, also including pure white. Pkt. 15 cts., 1/4oz. 40 cts.

SWEET ROCKET. Sweet-scented and nice for cutting. Mixed. Pkt. 5 cts., 1/4oz. 35 cts.

Winter-flowering Sweet Peas

Early Morning Star Spencer. Deep orange-scarlet standard, rich orange-pink wings.

Early Snowflake Spencer. Best early white.

Early Song Bird Spencer. Light pink, edged with darker pink.

Early Spring Maid Spencer. Light pink on cream ground.

Any of above, pkt. 25 cts., oz. \$1

Sweet Peas

Improved varieties are coming thick and fast, and many old varieties must of necessity be dropped from the list. Many of the Spencers (see next page) are very grand Sweet Peas, but not fully fixed in character and not so productive as the older varieties. Their size and form, however, render them very attractive and effective. Our stock is grown for us under most favorable conditions, and will be found true to name and of excellent quality. The seeds should be sown early in spring; or, when the ground is not readily prepared in spring, fall sowing may be made, excepting the white-seeded varieties, which should not be sown until soil becomes quite warm and dry; or they may be started early in pots in greenhouse or frame and planted out as early as the weather permits. White-seeded varieties, which are more tender than the dark-seeded, should be sown in sand to germinate and then transplanted in soil.



Schizanthus, or Poor Man's Orchid

PAMPHLET ON SWEET PEA CULTURE, FREE

For 1 lb. or more, desired by mail, add postage at your zone rate

Standard Large-flowering Sweet Peas

All the following named varieties, pkt. 5 cts., oz. 15 cts., 4 ozs. 40 cts., lb. \$1.25. For quantities of 1 lb. or more, desired by mail, add postage at your zone rate.

Blanche Ferry. Bright carmine-rose; wings white, tinged pink.
Dorothy Eckford. One of the best pure white; large wings; standards over 2 inches across.

Janet Scott. Rich pink.

King Edward VII. Bright red or crimson-scarlet. Very large flowers.

Lady Grisel Hamilton. Standard light mauve; wings lavender; large size.

Lovely. Standard and wings deep pink, shading to a very light pink at the edges; vigorous grower.

Navy Blue. Dark violet-blue.

Large-flowering, Superb Mixed. Contains over 100 choice large-flowering varieties. Pkt. 5 cts., oz. 10 cts., 4 ozs. 30 cts., lb. \$1.

Winter-flowering Sweet Peas

A very desirable class for greenhouse use, being early and continuous bloomers. Sow from August to October for early and succession.

Christmas Pink. Earliest pink.

Christmas Meteor. Scarlet.

Earliest White. Pure white.

Extra-early Blanche Ferry. Pink and white. Pkt. 10 cts., oz. 20 cts.

Florence Denzer. Pure white.

Le Marquis. Dark blue.

Mrs. C. H. Totty. Pure lavender.

Mrs. Wm. Sim. Salmon-pink.

Any of above, pkt. 10 cts., oz. 25 cts., except as quoted

Lavender-Pink Spencer.

Mrs. A. A. Skaach Spencer. Finest pink.

Red Orchid Spencer.

Rose Queen Spencer. Rose-pink.

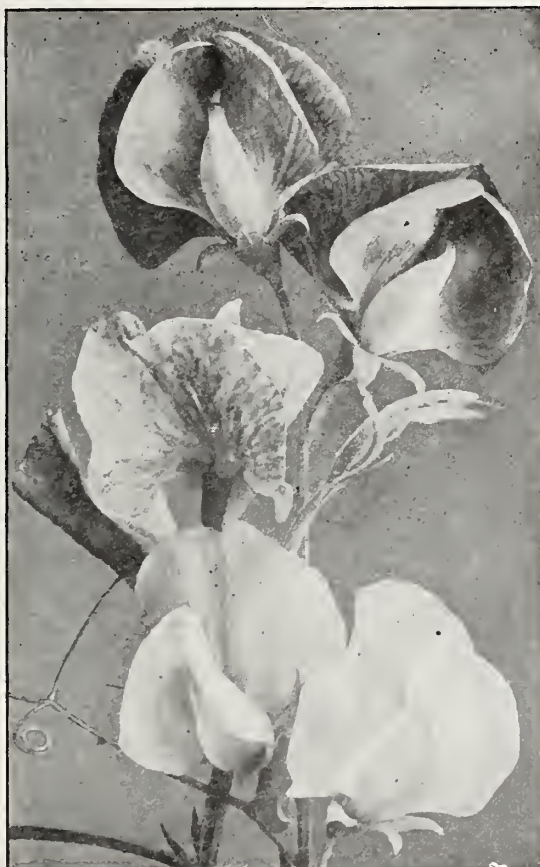
Venus Spencer. White, picotee-eyed.

Yarrowa. Rose changing to pink. Pkt. 30 cts., oz. \$1.25.

Early Heatherbell Spencer. Rich, pleasing mauve changing to lavender.

Early Melody Spencer. Rose-pink on white ground.

Any of above, pkt. 25 cts., oz. \$1, except Yarrowa



Large-flowering Sweet Peas

Spencer or Orchid-flowered Sweet Peas

These are beautiful, large, wavy-petaled varieties, three or four flowers to a stem. As they are shy seeders, the price will be proportionately high.

Afterglow. Distinct violet-blue, shading rosy amethyst; wings rich electric blue. Pkt. 10 cts., oz. 40 cts.

Asta Ohn. The best lavender; four blossoms to a stem. Pkt. 10 cts., oz. 30 cts.

Austin Frederick. Giant lavender. Pkt. 10 cts., oz. 40 cts.

Blanche Ferry Spencer. Bright carmine-rose; wings white. Pkt. 10 cts., oz. 35 cts.

Charles Foster. A combination of mauve and pink; flowers of largest size, three and four on a stem. Pkt. 10 cts., oz. 40 cts.

Constance Hinton. Mammoth white, black-seeded. Pkt. 10 cts., oz. 30 cts.

Constance Oliver. Ground-color buff, suffused with rich salmon-pink; flowers very large. Pkt. 10 cts., oz. 30 cts.

Countess Spencer. Lovely clear pink, darker toward margin; very large flowers. Pkt. 10 cts., oz. 30 cts.

Dazzler. Brilliant orange-pink. Pkt. 10 cts., oz. 30 cts.

Decorator. Rose, overlaid terra-cotta. Pkt. 10 cts., oz. 35 cts.

Dobbie's Cream. Beautiful primrose color. Pkt. 10c., oz. 30c.

Doris Usher. Soft, salmon-cream. Pkt. 10 cts., oz. 30 cts.

Edith Taylor. Bright salmon-rose. Pkt. 10 cts., oz. 35 cts.

Empress Eugenia. Gray, flushed lavender. Pkt. 10c., oz. 35c.

Etta Dyke. Very large; pure white; waved. Pkt. 10c., oz. 30c.

Fiery Cross. (See illustration.) Fire-red or scarlet without any shading. Beautifully waved and fluted. Sunproof. Pkt. 25 cts.

Florence Morse Spencer. A light pink-edged Countess Spencer; four flowers to a stem. Pkt. 10 cts., oz. 30 cts.

Florence Nightingale. Largest lavender. Pkt. 10 cts., oz. 30c.

George Herbert. A beautiful rosy carmine; very fine. Pkt. 10 cts., oz. 30 cts.

Helen Lewis. Orange-rose wings which roll and fold; standard crimson-orange, 2 inches across and fluted. Pkt. 10 cts., oz. 30 cts.

Helen Pierce. White, marbled blue. Pkt. 10 cts., oz. 35 cts.

Hercules. Paly rosy pink, of extraordinary size and substance. Pkt. 10 cts., oz. 35 cts.

Illuminator. Rich, glowing cerise-salmon, slightly suffused with orange-salmon. Pkt. 10 cts., oz. 35 cts.

King Edward Spencer. Bright crimson-scarlet; very large size; large, wavy standard and large, drooping wings. Pkt. 10 cts., oz. 30 cts.

King Manuel. Largest deep maroon. Pkt. 10 cts., oz. 30 cts.

King White. The best white to date; gigantic in size; pure white and perfect in form. Pkt. 10 cts., oz. 35 cts.

Lady Evelyn Eyre. Blush-pink, white ground. Pkt. 10 cts., oz. 30 cts.

Lovely Spencer. Deep pink, shading to buff. Pkt. 10 cts., oz. 30 cts.

Margaret Atlee. Rich, glowing pink on cream ground, suffused with salmon on the standards. Pkt. 10 cts., oz. 35 cts.

Margaret Madison. Clear azure-blue. Pkt. 10 cts., oz. 30 cts.

Mark's Tey. Huge maroon standard, blush wings. Pkt. 10 cts., oz. 45 cts.

Martha Washington. Ground-color pure white, edge of standard and wings deep rose; large size. Pkt. 10 cts., oz. 30 cts.

Mary Garden. Rich creamy pink; inclined to duplex. Pkt. 10 cts., oz. 30 cts.

Maude Holmes. Brilliant crimson flowers of the largest size; flowers waved and three or four on a spray. Pkt. 10 cts., oz. 30 cts.

May Unwin. Best orange-scarlet. Pkt. 10 cts., oz. 45 cts.

Mrs. Cuthbertson. Standard rose-pink, wings white; splendid. Pkt. 10 cts., oz. 30 cts.

Mrs. Hallam. Apricot and buff. Pkt. 10 cts., oz. 30 cts.

Mrs. Hardcastle Sykes. Blush-pink; large flowers. Pkt. 10 cts., oz. 30 cts.

Mrs. Hugh Dickson. A very large, cream-pink, waved variety. Pkt. 10 cts., oz. 30 cts.

Mrs. Routzahn. Soft rose and buff with primrose, distinctly edged rose. Pkt. 10 cts., oz. 30 cts.

Mrs. Townsend. White standards and wings edged blue; large and waved. Pkt. 10 cts., oz. 30 cts.

Nubian. Flowers very large; maroon on deep chocolate. Pkt. 10 cts., oz. 30 cts.

Orchid Spencer. Lavender, suffused pink. Pkt. 10 cts., oz. 35 cts.

Primrose Spencer. A pronounced primrose-yellow; large and fine. Pkt. 10 cts., oz. 30 cts.

R. F. Felton. Deep lavender. Pkt. 10 cts., oz. 30 cts.

Robert Sydenham. Bright orange-salmon. Pkt. 10 cts., oz. 35 cts.

Royal Purple. Strong, rich purple. Pkt. 10 cts., oz. 30 cts.

Rosabelle. The largest of the deep rose selfs; very large; profuse bloomer. Pkt. 10 cts., oz. 30 cts.

Sankey. A black-seeded white; flower fully as large as White Spencer. Pkt. 10 cts., oz. 30 cts.

Sincerity. Rich deep cerise. Pkt. 10 cts., oz. 35 cts.

The President. Dazzling orange-scarlet. Pkt. 10c., oz. 40c.

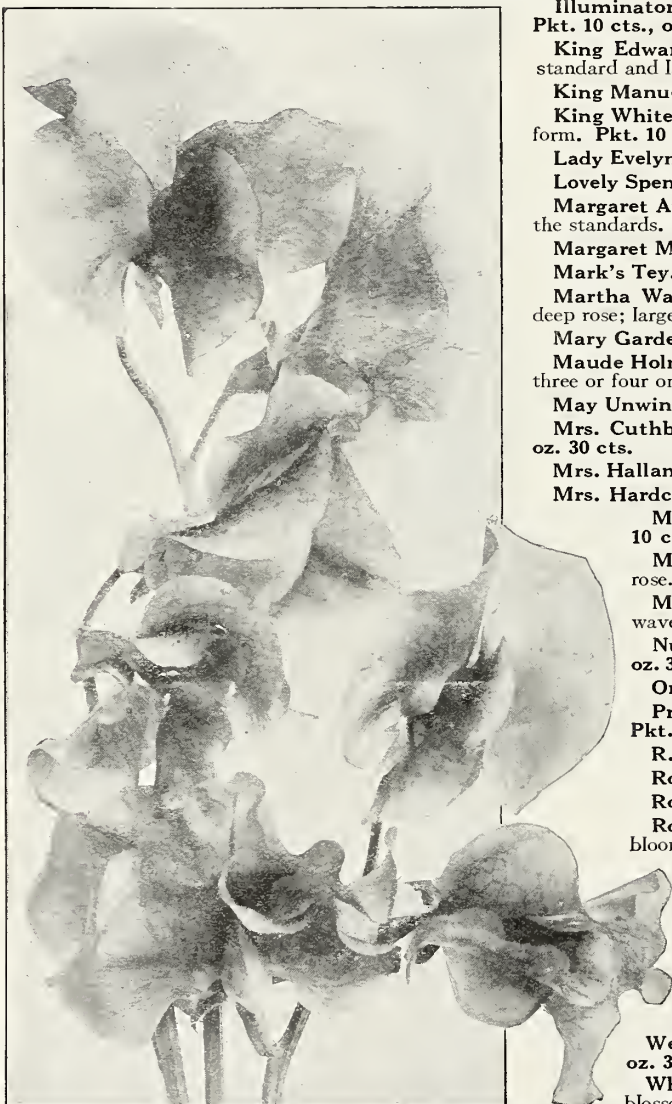
Thomas Stevenson. Brilliant orange; wings rosy carmine, shaded orange. Pkt. 10 cts., oz. 30 cts.

Vermilion Brilliant. The most brilliant scarlet variety yet produced. Pkt. 10 cts., oz. 35 cts.

Wedgwood. Lovely, light blue, waved flowers. Pkt. 10 cts., oz. 35 cts.

White Spencer. Enormous flowers in great quantities, three and four blossoms to a long and strong stem. Pkt. 10 cts., oz. 30 cts.

Superb Mixed Spencers. A splendid and well-blended mixture of all true Spencer types only. Pkt. 10 cts., oz. 30 cts., 4 ozs. \$1.



Spencer Sweet Peas are glorious creations! This is Fiery Cross

Stocks (Gilliflower) HHA

General favorite for bedding; excellent for pot-plants or cutting. Seed sown under glass in March will supply nice bedding plants in light soils and may be sown outside in April and May and will afford bloom from summer till frost. All delightfully fragrant.

Large-flowering. (Ten-Weeks Stock). This is a class particularly suited for pot culture, beds or edging. Habit is dwarf and bushy. Height, about 8 inches; 90 per cent double flowers. Brilliant Rose, Blood Red, Purple, Canary-Yellow, Crimson, Light Blue, White and Mixed. Each, pkt. 10 cts., 1/4oz. 75 cts.

Cut-and-Come-Again Varieties. Excellent for cutting; very fine for outdoor planting. Blood-Red, Rose, Dark Blue, Lilac, Princess Alice (pure white), Yellow, and Mixed. Each, pkt. 10 cts., 1/4oz. 75 cts.

Early Brompton, White Lady. Strikingly large and very double pure white flowers. Most beautiful. Pkt. 25 cts.



Large-flowering Dwarf Ten-Weeks Stocks

Large-flowering Dwarf Pyramidal Stock

Snowflake. Very large; snowy white; the earliest of the white Stocks. Splendid for cutting or for planting outdoors. Pkt. 25 cts.

THUNBERGIA (Black-eyed Susan). HHA. Very attractive, slender, climbing or trailing plants, neat for baskets, porch-boxes, etc. Flowers of various colors—pure white; white black-eyed; pure sulphur-yellow; sulphur black-eyed; orange black-eyed; sulphur white-eyed; orange white-eyed; mixed. Pkt. 5 cts., 1/4oz. 25 cts.

Torenia HHA

Very handsome pot-plants, suitable for beds or edging. 9 inches.

Fournieri grandiflora. Large flowers, an inch and over in diameter; sky-blue, blotched purple, yellow-throated. Pkt. 10 cts.

Bailionii. Golden yellow with rich red-brown throat. Pkt. 25 cts.

Verbena HA

A very popular bedding plant. The seeds come true to color, and plants are of surprising vigor compared with plants grown from cuttings. They should be planted at least 15 inches apart in good soil. Seeds should be soaked in warm water for an hour or two before sowing; cover about 1/4 inch deep and firm the soil; water very carefully.

Citriodora (Lemon Verbena). TP. Pkt. 10 cts.

Venosa. Fine for edging or beds. Violet and purple. 1 1/2 feet. Pkt. 5 cts., 1/4oz. 25 cts.

Compacta, Fairy Queen. Charming compact variety with daintily pink-tinted white flowers. Fine for bedding. Pkt. 25 cts.

Hybrida compacta. These are elegant, dwarf, bushy varieties, splendid for beds, edging, or as pot-plants. Pkt. 10 cts., 1/4oz. 75 cts.

Mammoth-flowered Varieties. Have clearly defined margins and large white centers; florets average an inch in diameter.

Auricula-flowered. Pink and rose shades, purple and blue shades, Scarlet, Striped, White, Mixed. Ea., pkt. 10c., 1/4oz. 50c., oz. \$1.75.

Helen Wilmot. Flowers of large size, beautiful bright salmon with white eye. Produces a percentage of plants of varied shades. Pkt. 15c.

Elite Mixture. A special strain. Pkt. 10 cts., 1/4oz. 60 cts.

Fine Mixed. Pkt. 5 cts., 1/4oz. 25 cts., oz. 90 cts.

Vinca (Periwinkle) TP

Very handsome plants about 1 foot high. Dark, glossy foliage and in flower constantly from June to frost. If sprays be cut and placed in water, all the buds will be developed, making them effective for a week. 1 to 1 1/2 feet. White, Rose, White rose-eyed, Mixed. Each, pkt. 10 cts., 1/4oz. 30 cts.

Rosea delicata. This new variety has flowers of a delicate purple-carmine, softening at the margin. Pkt. 15 cts.

Viola Cornuta (New Tufted Pansies) HP

Admirabilis. Mixed. **Lutesplendens.** Golden yellow.
Admiration. Dark blue. **White Perfection.** White.
Blue Perfection. Light blue. **Mixed.** Each, pkt. 10 cts.

VIOLA odorata (Sweet-scented Violet). HP. Fragrant, early spring-blooming plants. Pkt. 10 cts., 1/4oz. 40 cts.

Wallflower HHP

Cheiranthus

The long flower-spikes bloom in spring, are sweet-scented, colors range from bright yellow through shades of red to brown.

Annual, Single Mixed. Pkt. 10 cts., 1/4oz. 25 cts.

Dwarf German, Double Branching (C. Cheiri). Fine, large spikes of large, sweet-scented flowers; very nice for borders or pot-plants. Splendid mixture of all sorts. Pkt. 25 cts.

Goliath. Beautiful, single flowers of rich red. Pkt. 10 cts.

Vesuvius. Orange-scarlet, expanding to hazy yellow. Pkt. 10 cts.

Non Plus Ultra Mixture. Richest single varieties. Pkt. 5 cts., 1/4oz. 25 cts.

Earliest Paris. Fine single; early-flowering. May be treated as an annual. Flowers throughout the summer. Pkt. 10 cts., 1/4oz. 25 cts.

WILD CUCUMBER (Echinocystis). HP. A very rapid-growing vine with white flowers. Pkt. 5 cts., oz. 15 cts.

Zinnia

The double-flowered varieties have elegance of form and the colors are glorious. Many are beautiful for cut-flower decorations. The pure white, salmon, and rich shades of yellow, with crimsons and scarlets are all effective and very durable. Sow last of March in boxes or outdoors in May. If transplanted, it should be done early.

New Giant Double. Flowers very double and of enormous size, attaining a diameter of 4 1/2 to 5 inches. Plants grow to a height of 3 feet and are profuse bloomers. Giant Crimson, Flesh-Color, Golden Yellow, Purple, Scarlet, Canary-Yellow, Violet, Striped, White, and Mixed. Each, pkt. 10 cts., 1/4oz. 25 cts.

Large-flowering. Very fine strain. Splendid for beds or cutting. Carmine, Rose, Flesh-Pink, Crimson, Scarlet, Striped, Golden Yellow, White, Lilac, Deep Maroon, Burnt-Orange, and Mixed. Each, pkt. 5 cts., 1/4oz. 20 cts.

Curled and Crested Double. Very bright, handsome flowers with crested and curled petals. Fine varieties. Pkt. 10c., 1/4oz. 25c.

Double Lilliput. Elegant, small, pompon flowers; very nice for beds, etc. 1 foot. Crimson, Lilac, Gold, Orange, Scarlet, and White mixed. Pkt. 10 cts., 1/4oz. 30 cts.



Giant Zinnia

Miscellaneous Bulbs and Flowering Roots for Spring Planting

All bulbs are mailable at parcel-post rates. Varieties preceded by an asterisk (*) are mailed at catalogue prices; for others, add postage at the mailing weight given. For zone rates, ask your postmaster

The Easy Way to a Fine Flower-Garden

On this and the following two pages you will find listed all that is best for the home-garden in the way of bulbs that either produce magnificent foliage effects or flowers, or both. The home-gardener, who has in the past had disappointing experiences in trying to create a flower-garden from seeds, could not find an easier way to success than to plant these bulbs.

The bulbs are really flowers, or plants in embryo. Put into the ground and cultivated like the coarsest of all vegetables, they are bound to bloom and bring joy with less effort than it takes to grow a crop of potatoes.

Let us call your particular attention to the Caladiums. As foliage plants they have no equal, producing a wonderful, tropical effect in a short time.

Dahlias, as well as Gladioli, are bound to bloom with the least of care. To make the growing of Gladioli particularly attractive, we are offering, this year for the first time, a Victory Garden Collection of 36 fine varieties for \$2. We predict that such an investment will give you more joy than \$2 could buy in any other way. See page 60.

AMARYLLIS *Belladonna major*. Flowers large, white, delicately shaded pink. 20 cts. each, \$2 per doz.

Defiance. Deep crimson, striped white. 45 cts. each, \$5 per doz.

Johnsonii. Flowers dark crimson, white stripe down center of each petal. 40 cts. each, \$4 per doz.

Hippeastrum, Giant-flowering Hybrids. From white to deepest maroon, taking in all intermediate shades, and showing contrasting stripes of white, blood-red, rose, scarlet, etc. Flower trumpet-shaped and of enormous size. **Mammoth bulbs, 85c. ea., \$8.50 per doz.; large bulbs, 50c. each, \$5 per doz.**

***APIOS *tuberosa*.** Hardy climbers; flowers resembling wistaria. 5 cts. each, 50c. per doz.

Caladiums

As foliage plants that lend a rich, tropical effect, these are unequalled. The leaves are shield-shaped, bright green, often measuring 3 feet or more in length and breadth. Very imposing in appearance when developed. They need very rich soil and an abundance of water.

Esculentum or Elephant's Ear

Mammoth Size, 12 to 14 inches in circumference, 40 cts. each, \$4.50 per doz. Weight, 2 lbs. each. **First Size,** 9 to 11 inches in circumference, 20 cts. each, \$2 per doz. Weight, 1½ lbs. each. **Second Size,** 7 to 9 inches in circumference, 15 cts. each, \$1.50 per doz. Weight, 10 ozs. each. **Third Size,** 5 to 7 inches in circumference, 7 cts. each, 70 cts. per doz. Weight, 4 ozs. each.

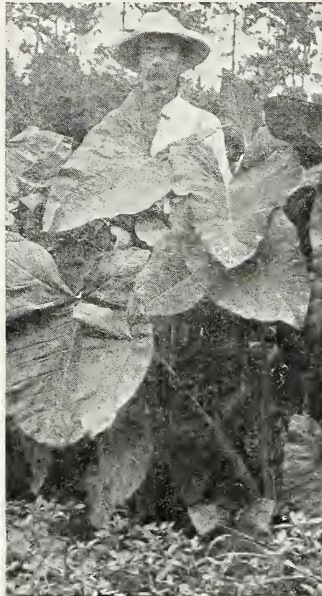
Dasheen

A species of Caladium, quite as ornamental as *C. esculentum*. Grows fully as large and tall, and the leaves are a darker and richer green. In addition, it is a valuable food plant. The tubers are very palatable when served like potatoes. They are richer in food elements than the potato. The leaves, when cooked, are superior to spinach. They may not mature fully in the North, but every garden should at least have a few of them, as the young leaves can be repeatedly cut, supplying the table with the finest of greens. Like the Caladiums, they love considerable moisture. **Tubers, 3 to 4 in. diam., 15 cts. each, \$1.50 per doz., \$10 per 100; 4 to 6 in. diam., 20 cts. each, \$1.75 per doz., \$12 per 100.** Mailing weight, 3- to 4-in. size, 1 lb. each; 4- to 6-in., 1½ lbs. each.

Caladiums, continued

Xanthosoma bataviensis

The handsomest of the Caladium family, and a native of Java. Leaves large and of a distinct bluish coloring; stems dark purple. Notwithstanding that it is a tropical plant, it has done as well here as the *Caladium esculentum*. To get the best results bulbs should be started in greenhouse in early spring, so the plants may be well advanced when weather permits of setting them out. 10 cts. each, \$1 per doz., \$7 per 100.



Xanthosoma bataviensis

Fancy-leaved Caladiums

These do not grow as large as the types described previously, but are highly esteemed for their showy foliage. Distinctly plants for house or conservatory.

America. White ribs; medium-white zone thickly speckled and spotted lilac; green ground spotted and blotched light pink.

Baron de Mamore. Ribs maroon, bordered deep scarlet; white ground veined and nerved scarlet and green, shaded green.

Florida. Scarlet ribs bordered crimson; deep green ground veined, nerved, and shaded white.

Jose Bonifacio. Cream ground; pale green ribs and veins; light pink spots.

La Grande. Ribs deep scarlet; wide crimson zone blotched and spotted deep crimson; green ground veined and nerved crimson.

Snowstorm. Ivory-white ribs and ground veined, nerved, and shaded green.

Wightii. Deep green ground uniformly marked with crimson blotches and snowy white spots.

Wilma. Rich pink ground, with metallic green ribs, veins, and nerves.

White Flag. Green ground; ivory-white ribs and veins.

All at 25 cts. each, \$2.50 per doz., \$17 per 100

Calla Lilies

Elliottiana. Very rich, pure yellow; leaves spotted with white. Weighs 4 ozs. 25 cts. each, \$2.50 per doz.

Tuberose

Excelsior Pearl. Large, well-cured bulbs. Weighs 1 lb. to the doz. 10 cts. for 3, 30 cts. per doz., \$2 per 100.

Mammoth Size. 5 cts. each, 50 cts. per doz., \$3 per 100.

***CINNAMON VINE.** Hardy, rapid-growing climber. 10 cts. each, \$1 per doz.

HYACINTHUS *candicans*. Tall spikes of pure white, bell-shaped flowers. Weighs 4 ozs. 8 cts. each, 60 cts. per doz.

INCARVILLEA *Delavayi* (Hardy Gloxinia). Hardy, with protection; rose-colored, gloxinia-like flowers produced in clusters. Weighs 8 ozs. 10c. ea., \$1 per doz.

Ismene calathina (Peruvian Daffodil)

A splendid summer-flowering bulb; pure white, amaryllis-like, very fragrant flowers; a profuse bloomer. Plant in June. Can be taken up in fall and after a short period of rest can be potted for winter bloom indoors. **Mammoth bulbs, 15 cts. each, \$1.65 per doz.** (8 ozs. each.)

MADEIRA VINE. A favorite rapid-growing climber. Weighs 6 ozs. to the doz. 4 cts. each, 40 cts. per doz.

***OXALIS.** Summer-blooming variety. 3 cts. each, 25 cts. per doz., \$1.25 per 100.



Ismene calathina

Large-flowering Cannas

For grouping on lawns, or for large beds, no plants are more effective. They bloom soon after planting. We offer the following choice varieties. Foliage green where not noted.

All varieties, except where noted, 10 cts. each, \$1.10 per doz., \$8 per 100. Mailing weight, 3 ozs. each; 2 lbs. per doz.

Alphonse Bouvier. Deep, velvety crimson.

Brandywine. Orchid-flowered. Intense red, mottled with deep crimson. 4 feet. 15 cts. each, \$1.50 per doz.

Crimson Bedder. Dazzling crimson-scarlet; well displayed above the foliage. 3 feet.

Florence Vaughan. Bright, rich, golden yellow, spotted red; large flowers. 4½ feet.

King Humbert. Orchid-flowered. Bronze foliage. Brilliant orange-scarlet, bright red shading; large trusses. 5 feet. 15 cts. each, \$1.50 per doz., \$10 per 100.

Richard Wallace. Canary-yellow; large flowers. 4 feet.

Rosea gigantea. Largest of all Cannas. Rich rose-pink. 4 feet. 20 cts. each, \$2 per doz., \$15 per 100.

Yellow King Humbert. A befitting counterpart to Orange King Humbert. 20 cts. each, \$2 per doz.

CHOICE MIXTURE OF CANNAS. 90 cts. per doz., \$7 per 100.

Pamphlet on Canna-Culture free

Dahlias

Stately and handsome autumn-blooming plants that have again become very popular. They require well-drained, deeply dug soil of moderate fertility. The dormant tubers can be planted out from April 25 to June 30, according to the season.

If wanted by mail, add 5 cts. per tuber

Well-started plants of many varieties can be supplied after June 1 at the same prices as dormant tubers. Can also furnish dormant tubers of any varieties desired, not herein listed, if ordered now or at an early date.

Pamphlet on Dahlia-Culture free

Note: All sorts priced at 15 cts. each at \$1.50 per dozen; 20 cts. each at \$2 per dozen; 25 cts. each at \$2.50 per dozen; 30 cts. each at \$3 per dozen; 40 cts. each at \$4 per dozen, etc.

Cactus-flowering Dahlias

This class is of comparatively recent introduction, and is entirely distinct from any other class. The flowers are loosely and artistically formed, and very irregular, resembling the chrysanthemum. Petals long, twisted, and terminating in a point. Some varieties possess nearly straight petals, others are gracefully incurved.

Alight. Gigantic flowers of beautiful orange-scarlet. Very free flowering; extra-good form. Petals long, narrow. 25 cts. each, \$2.50 per doz.

Bornemann's Liebling. Very delicate, soft rose-pink; extra fine. 20 cts. each, \$2 per doz.

Capstan. Soft red, tinted apricot. 15 cts. each, \$1.50 per doz.

Clara G. Stredwick. Clear bright salmon; large and free. 25 cts. each, \$2.50 per doz.

Dainty. Lemon-yellow at center, tipped rose-pink. 20 cts. each.

Fred Cobbold. Bright crimson, large, beautifully formed flowers; very free; moderately incurved. One of the best. 20 cts. each.

General Buller. Rich, deep crimson, tipped white. 15 cts. each.

Golden Gate. Deep amber, shaded gold. 20 cts. each.

Harbor Light. Vivid orange-red, edged salmon. 15 cts. each.

Ianthe. A lively shade of buff, flamed salmon-rose. 20 cts. each.

J. H. Jackson. The best dark Dahlia; almost black. 15 cts. each.

Kriemhilde. Pleasing shade of pink, white center. 20 cts. each.

Cactus Dahlias, continued

Mary Service. Pinkish apricot or heliotrope. 20 cts. each.
Mrs. de Luca. Golden yellow, tipped orange. 25 cts. each.
Prince of Orange. Rich, deep orange, yellow center. 20 cts. each.
Star of Gold. Soft yellow; fine. 20 cts. each.
Standard Bearer. Rich, fiery red; very early. 20 cts. each.
Stella. Rich, vivid scarlet; deep, bold flower. 25 cts. each.

Peony-flowered Dahlias

Admiration. Rosy crimson, veined yellow. 40 cts. each.

Geisha. A combination of brilliant scarlet and gold, with an exquisite ring of clear yellow at the center. 50c. ea.

Hampton Court. Bright, deep pink; large. 20 cts. each.

La Riante. Beautiful lavender-pink. 20 cts. each.

Mrs. Jacques Futrelle. Flowers of medium size. An exquisite lemon-yellow heavily splashed scarlet. 25c. ea.

Queen Wilhelmina. Best pure white. 20 cts. each.

Collection of All 6, \$1.50

Decorative Dahlias

Large, flat, and full to the center, petals quite irregularly situated, long, broad, flat, and nearly straight.

Catherine Duer. "The Newport Dahlia." Glowing red. 15 cts. each.

Clifford W. Bruton. Large, canary-yellow. 15 cts. each.

Delice. Bright pink, suffused lavender-pink. 25 cts. each.

Princess Juliana. Pure white, tinged lavender. 20 cts. each.

Jack Rose. An ideal comparison to the celebrated "Jack Rose," resembling it in both color and beauty. 20c. each.

Jeanne Charmet. Beautiful lavender-pink. 20 cts. each.

Le Grand Manitou. The largest and grandest fancy Decorative Dahlia in existence. Pure white, artistically striped, splashed, and blotched deep violet-purple. 35 cts. each.

Mina Burgle. Glowing and most brilliant scarlet. 40 cts. each.

Mme. Victor Vassier. The grandest, clear, sulphur-yellow Decorative to date. 30 cts. each, \$3 per doz.

Minos. Flowers very large; color intense velvety maroon, almost black. 20 cts. each, \$2 per doz.

Sylvia, or Dolly. White, heavily edged pink; free. 15 cts. each.
Wilhelm Miller. Brilliant purple; very large. 15 cts. each.

The Set of 12 Decorative Dahlias for \$2

Show Dahlias

These are large, spherical, regular, compact, and full to the center. The flowers are either solid, edged, tipped, or shaded darker.

A. D. Livoni. Beautiful soft pink. Free flowering. 20 cts. each.

Arabella. Sulphur-yellow, tipped pinkish white. 20 cts. each.

Cuban Giant, or Dr. J. P. Kirkland. Dark crimson. 25 cts. ea.

Fascination. Rose-pink, sometimes striped white. 20 cts. each.

Golden Age. Sulphur-yellow. Free flowering. 15 cts. each.

Imperial. Deep purplish maroon. Free flowering. 25 cts. each.

Lucy Fawcett. Pale yellow, striped deep pink. 20 cts. each.

Merlin. A beautiful orange-scarlet. 25 cts. each.

Norma. Flowers are large, perfectly quilled, and of a most exquisite shade of live bright orange. 25 cts. each.

Robert Broomfield. Pure white. Tall grower. 15 cts. each.

Storm King. The most reliable white Show Dahlia to date. In color, a pure white. Flowers on good stems. 20 cts. each.

Stradella. Beautiful deep purple-crimson; exceptionally free flowering; stems long and wiry. One of the finest. 20 cts. each.

The Set of 12 Show Dahlias for \$2



This Grand, Superb Set of 18 Cactus Dahlias, prepaid, for \$3

- | | |
|----------------------------|-----------------------|
| No. 1 Mary Service | No. 10 Stella |
| No. 2 Prince of Orange | No. 11 General French |
| No. 3 Clara G. Stredwick | No. 12 Harbor Light |
| No. 4 Star of Gold | No. 13 Iceberg |
| No. 5 Alight | No. 14 Ianthe |
| No. 6 Capstan | No. 15 General Buller |
| No. 7 Bornemann's Liebling | No. 16 Dainty |
| No. 8 Fred Cobbold | No. 17 Golden Gate |
| No. 9 J. H. Jackson | No. 18 Mrs. de Luca |

Giant-flowering or Colossal Dahlias

The Colossal type includes all the giant-flowering Dahlias intermediate between the broad, flat-petaled Decorative Dahlia and the common, quilled Show Dahlia.

American Beauty. Gigantic flowers produced on long, heavy stems. The color is a gorgeous wine-crimson. **30 cts. each.**

Reggie. Beautiful cherry-red. **25 cts. each.**

Rose. An exceptionally deep rose. **30 cts. each.**

Yellow Colosse. Large, showy flowers of pure primrose-yellow are produced very freely on long, graceful stems. **40 cts. each.**

Century Dahlias

Blanche. Pale yellow, tipped pink. **20 cts. each.**

Rose-Pink Century. Beautiful rose-pink. **20 cts. each.**

Twentieth Century. White, overlaid rose-pink. **20 cts. each.**

Single Dahlias

Lord Goff. Cream, tipped rose-pink. **20 cts. each.**

Prosperity. Light center, tipped rose-purple. **20 cts. each.**

Sadie. Beautiful pink, striped and speckled maroon. **25 cts. each.**

Collarette Dahlias

Maurice Rivoire. Rich crimson; white collar. **20 cts. each.**

Gladioli

Summer-flowering bulbs of the very easiest culture and with a wide range of color. Elegant for the garden or beautiful for cut-flower purposes. For the latter use they should be cut when the first flower opens; the balance of buds will develop when spikes are placed in water and thus greatly prolong the blooming term. Plantings may be made every two weeks to provide for a succession. We offer the leading mixtures and excellent named varieties.

Mailing weight, 20 ozs. per doz.

Note as to Prices: All sorts quoted at 40c. per doz. cost \$2.50 per 100; 45c. per doz. cost \$3 per 100; 55c. per doz. cost \$3.50 per 100; 65c. per doz. cost \$4.50 per 100; 75c. per doz. cost \$5 per 100; 90c. per doz. cost \$6 per 100; \$1 per doz. cost \$7.50 per 100.

America. Elegant, soft lavender-pink; large flowers. **6 cts. each, 65 cts. per doz.**

Attraction. Deep rose, with white throat. **6 cts. each, 55 cts. per doz.**

Augusta. A very fine white; strong grower; large spikes. **5 cts. each, 45 cts. per doz.**

Baron Hulot. Fine blue variety. Rich, deep indigo-blue. **6c. each, 60c. per doz.**

Brenchleyensis. The old standard scarlet; large spike. **5 cts. each, 45 cts. per doz.**

Crackerjack. Rich maroon, blotches of yellow with purple pepperings. **6 cts. each, 55 cts. per doz.**

Columbia. Orange-scarlet, blotched and penciled with bluish purple. **6 cts. each, 60 cts. per doz.**

Chicago White. Pure white; very early; fine forcer. **6 cts. each, 60 cts. per doz.**

Empress of India. Rich, dark red, with a purplish tinge. **7 cts. each, 75 cts. per doz.**

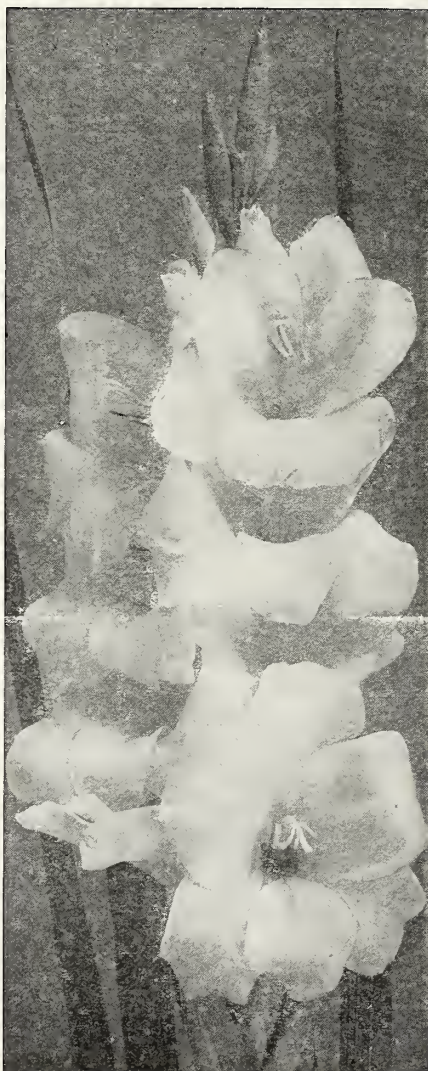
Europe. One of the choicest pure white sorts. **12 cts. each, \$1.25 per doz.**

Hallie. Delicate salmon-rose; immense flower with a creamy yellow blotch on the lower petals, forming a perfect and large spike. **6 cts. each, 55 cts. per doz.**

Klondike. An early yellow Gladiolus of medium height. **6 cts. each, 55 cts. per doz.**

Kunderdi, "Glory." The very large flowers have waved or ruffled petals of creamy pink with pencillings of crimson in the throat. **7 cts. each, 75 cts. per doz.**

Meadowvale. Pure white with line of delicate pink in lower petals. **6 cts. each, 55 cts. per doz.**



Gladioli

Pompon Dahlias

15 cts. each, \$1.50 per doz.

Amber Queen. Clear amber.

Darkness. Dark maroon.

Fairy Queen. Sulphur.

Prince Charming. Cream and purple.

Snowclad. White, small, ideal.

Handy Flower-Garden Helps

While none of the bulbs described on this and preceding pages need any "fussing about" in order to give you thorough satisfaction, yet the plants do appreciate mulching and weedless ground in which to grow. The women especially love to dig about the flowerbeds, and the three little Weeders shown alongside are just the thing to make this "dinkering" effective of best results.

We quote on these Weeders as follows:

Excelsior. (1 lb.) 15 cts.

Hazeltine. (1 lb.) 40 cts.

Magic. Nos. 1, 2 and 2V. (1 lb.) 30 cts., 40 cts. and 45 cts.



Excelsior Weeder



Hazeltine Weeder



Magic Weeder

Gladioli, continued

May. Lovely pure white, flaked rosy crimson. **9 cts. each, 90 cts. per doz.**

Mrs. Frank Pendleton. Flowers large and well expanded; light pink, heavily blotched blood-red in the throat. **10 cts. each, \$1 per doz.**

Mrs. Francis King. A striking light scarlet. **5 cts. each, 45 cts. per doz.**

Niagara. Beautiful cream shade, with two lower inside petals or segments blending to canary-yellow. **8 cts. each, 80 cts. per doz.**

Panama. An incomparable rose-pink. **9 cts. each, 90 cts. per doz.**

Peace. Beautiful white, with a pale lilac feathering on the interior petals. **9 cts. each, 90 cts. per doz.**

Pink Perfection. Distinct apple-blossom-pink. **9 cts. each, 90 cts. per doz.**

Primulinus Hybrids. Mostly delicate yellow shades. **6 cts. each, 60 cts. per doz.**

Princeps. Rich crimson, with broad, white blotches on lower petals. **6 cts. each, 60 cts. per doz.**

Schwaben. Best yellow to date. **7 cts. each, 75 cts. per doz.**

Taconic. Light pink, striped deeper pink; lower petals blotched crimson. **6 cts. each, 65 cts. per doz.**

Victory. Delicate sulphur-yellow; lower petals shaded deeper. **6 cts. each, 60 cts. per doz.**

Velvet King. Large bright velvety red. **6 cts. each, 55 cts. per doz.**

Pan-American Superb Mixture. This Mixture is not to be compared with the usual run of Choice or Fine Mixtures. It is unexcelled as a Mixture and is composed of the largest possible number of fine and distinct varieties. **5 cts. each, 45 cts. per doz., \$27.50 per 1,000.**

PAMPHLET ON GLADIOLI-CULTURE FREE

Beckert's Special Victory Garden Offer of Gladioli

By all means, have a flower bed in your Victory Garden. To help you to a successful flower garden we will mail, postpaid, 1 dozen each of Gladiolus America, Victory and Peace, as described in list preceding, for Two Dollars! These 36 fine bulbs should yield you 36 magnificent flower spikes lasting a week in vases.



Insecticides and Fungicides

PARCEL POST. An asterisk (*) preceding certain items indicates that such articles can be sent by parcel post at purchaser's expense. Fluids and poisons are not mailable. See schedule of parcel-post rates on page 2.

All prices on Insecticides and Fungicides subject to change without notice



***Ant Destroyer.** For red and black ants. This powder does not scatter the pests, but exterminates them. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts.

Aphine. For destroying aphids, green fly, thrip, red spider and other insects in the greenhouse and outdoors. Dilute one part to forty parts of water. $\frac{1}{4}$ pt. 25 cts., $\frac{1}{2}$ pt. 45 cts., pt. 70 cts., qt. \$1.10, gal. \$2.65.

***Aphis Punk.** A convenient preparation of nicotine for fumigating. Can of 12 sheets (10 ozs.), 60 cts.; case of 144 sheets (7 $\frac{3}{4}$ lbs.) \$6.50.

Arsenate of Lead, Powdered. Goes twice as far as the preceding. Dilute one pound to fifty gallons of water. Instantly soluble and remains in suspension longer. Lb. 55 cts., 5 lbs. \$2.40.

Black Leaf 40. The standard nicotine insecticide for use against all plant lice. $\frac{1}{2}$ lb. 85 cts., lb. \$1.60, 2 lbs. \$2.75.

Bordeaux, Dry. A most convenient form in which to use this standard fungicide. Saves the bother of slaking lime and dissolving chemicals. One pound to five gallons of liquid. Full directions on package. Lb. 40 cts., 5 lbs. \$1.60.

***Bug Death.** A fungicide, insecticide and plant-food combined. Non-poisonous and very effective for cabbage and tomato worms, potato and cucumber bugs. Apply with duster or powder gun. Lb. 20 cts., 3-lb. pkg. 55 cts., 5-lb. pkg. 75 cts., 12 $\frac{1}{2}$ -lb. pkg. \$1.75, 100-lb. pkg. \$9. Bug Death Duster, for applying, 25 cts.

***Grape Dust.** For mildew, mold and rust. 5 lbs. 75 cts., 10 lbs. \$1.30, 25 lbs. \$3.25.

***Hellebore, Best Grade, Powdered.** For rose slugs, currant worms, etc. Lb. 70 cts.

Lemon Oil. Destroys mealy bug, brown and white scale, thrip, red spider, caterpillars, black and green flies, mites, ants, fleas and insects on animals, and insects that infest poultry-houses, barns, etc. $\frac{1}{2}$ pt. 30 cts., pt. 55 cts., qt. \$1, $\frac{1}{2}$ gal. \$1.75, gal. \$3, 5 gals. \$12.

***Nico-Fume.** For fumigating. Strips of paper strongly saturated with nicotine. Very convenient and effective. Cans, 24 sheets (14 ozs.) \$1, 144 sheets (2 $\frac{3}{4}$ lbs.) \$4.50.

Nico-Fume Liquid. For spraying and vaporizing. $\frac{1}{4}$ lb., about $\frac{1}{4}$ pt., 60 cts.; 1 lb., about 1 pt., \$1.75; 4 lbs., about $\frac{1}{2}$ gal., \$6.25; 8 lbs., about 1 gal., \$11.50.

Nicotinide. Fumigating compound. $\frac{1}{4}$ pt. 70 cts., $\frac{1}{2}$ pt. \$1.30, pt. \$2.55, qt. \$4.60, $\frac{1}{2}$ gal. \$8.75, gal. \$16. Vaporizing apparatus, 60 cts.

Nikoteen. One pint contains as much insecticide as 200 pounds of tobacco stems. 1 oz. 25 cts., 2 ozs. 40 cts., pt. \$1.75.

Rose Bug Exterminator, Readeana. A positive killer of all insect life on flowers, shrubbery and vines, and which is absolutely harmless to the most delicate plants or flowers. Also cleanses and beautifies the foliage. $\frac{1}{4}$ pt. 35 cts., $\frac{1}{2}$ pt. 60 cts., qt. \$1.50, gal. \$4.50.

***Slug-Shot.** This non-poisonous powder requires no further mixing or preparing. It is very effectual in destroying potato and other bugs, beetles, green and black fly, slugs, worms, caterpillars, etc. Use with powder-gun or bellows. 1-lb. carton 15 cts., 5 lbs. 50 cts., 10 lbs. \$1, 25 lbs. \$2.50.

***Tobacco Sulpho-Soap.** Kills all insect life in the window-garden or conservatory. Unsurpassed for roses; also valuable exterminator of moths, cockroaches and carpet bugs. 3-oz. pkg. 12 cts., 8 ozs. 25 cts., lb. 40 cts., 10 lbs. \$3.

***Tobacco Dust, Fine.** The most effective and cheapest remedy for the flea on cabbage, radish, etc. Lb. 10 cts., 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.40, 100 lbs. \$5.

***Tobacco Dust, Coarse.** Coarse grade, for fumigating. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 100 lbs. \$5.

***Tree Tangle-Foot.** Protects trees from canker worms, cutworms, ants, tussock moths and all climbing insects. It will not injure trees and when applied remains sticky for three months. Apply it thoroughly around the trunk of the tree just below the lower limbs in a band of 6 to 8 inches in width. Most effective if applied early in March. Lb. 55 cts., 3 lbs. \$1.60, 10 lbs. \$5, 20 lbs. \$9.50.

***Whale-Oil Soap, or Fish-Oil Soap.** For destroying and preventing insects on plants, trees, vines, etc. Very easily applied and very effective. Lb. 25 cts., 5-lb. can 85 cts., 10 lbs. \$1.60, 25 lbs. \$3.50.

Worm Eradicator, Reade's Electric. For removing worms from greenhouses, lawns, flower-pots, vases, etc., without damage to the plants. 4-oz. bottle 35 cts., 8-oz. bottle 60 cts., 24-oz. bottle \$1.50, gal. \$4.50.

Fertilizers

Since all prices on Fertilizers are subject to change without notice, please get our latest quotations before ordering

Fertilizers sold for spot cash only

Cocoa Fiber. Stimulates a strong, fibrous growth. Pk. 50 cts., bus. \$1.75.

***Bon Arbor.** Contains more soluble plant-food than any other fertilizer and its merits have been widely tested and proved by numerous expert gardeners. 7 ozs. 30 cts., lb. can 50 cts., 5-lb. can \$2.

Pure Raw Bone Meal Flour. Ground as fine as dust; acts quickly, and is fine for florists' use. Prices on application.

***Bone Meal, Pure Raw, No. 1.** See inside of back cover.

Bone Meal, Pure Raw, No. 2. Darker in color than the preceding, richer in ammonia and almost as rich in phosphoric acid. Guaranteed slaughter-house bone. Ammonia, $\frac{1}{2}$ to 6 per cent; phosphoric acid, 21 to 23 per cent, equal to bone phosphate 48 to 52 per cent. 100 lbs. \$3.25, 500 lbs. \$14.50, 1,000 lbs. \$26.50, ton \$50.

Pure Bone and Meat. 100 lbs. \$3.50, 500 lbs. \$15, 1,000 lbs. \$28, ton \$54.

Cotton Seed Meal. Rich in potash and ammonia and very desirable as a fertilizer for lawns and grains. Price variable.

Guano Fertilizer. 100 lbs. \$2.75, 500 lbs. \$11.25, 1,000 lbs. \$20, ton \$38.

***Horn Shavings.** A fertilizer specially adapted for roses, chrysanthemums, etc. Fine grade, lb. 15 cts., 5 lbs. 50 cts., 10 lbs. 90c., 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$7.

Keystone Fertilizer. 100 lbs. \$3.25, 500 lbs. \$11.75, 1,000 lbs. \$21.50, ton \$41.

Lawn and Garden Fertilizer. See inside of back cover.

Leaf-Mold. For mixing with potting soil. Sack \$2.50.

Moss, Live Sphagnum. For orchids. Bbl. \$4.50.

Nitrate of Soda. 100-pound sacks and up. Write for prices.

Nitro-Fertile Liquid. 2% nitrogen, 3% phosphoric acid, 3% potash. $\frac{1}{2}$ pt. 40 cts., 1 pt. 70 cts., qt. \$1.25.

Orchid-Peat, Fibrous. For orchids. Sack \$2.75.

Peat, Jersey. For mixing with potting soil. Sack \$2.50.

Unleached Hardwood Ashes. See inside back cover.

Scotch Soft-Coal Soot. Stimulates luxuriance of growth and gives darkness and brilliancy to foliage and flowers. 112-lb. bag \$7.

***Special Chrysanthemum Manure, Thompson's.** This vine, vegetable and plant manure is adapted for mixing with the soil when potting chrysanthemums and other plants. This special manure is meant to be used as an additional stimulant during the growing season. A heaped dessert-spoonful is sufficient for a plant in 10-in. pot. Sprinkle on surface of soil, then water with tepid water. Apply three times during growing season. Lb. 50 cts., 7-lb. bag \$2, 14-lb. bag \$3, 28-lb. bag \$5, 56 lbs. \$8.50.

Sheep Manure. See inside of back cover.

Shredded Cattle Manure. 100 lbs. \$2.50, 500 lbs. \$11.50, ton \$42.

MISCELLANEOUS SUPPLIES

Articles that can be sent by Parcel Post are marked *. The mailing weight is given. Postage must be added to catalogue price if to be mailed

*Aprons, Gardeners' Rubber, Heavy. (2 lbs.) \$2.50.

*Asparagus Knives, Curved Blade. (1 lb.) Each, 50 cts.

*Straight Blade. (1 lb.) Each, 45 cts. Fishtail Style. V-shaped blade. Each, 50 cts.

*Atomizer, Kinney. (1 lb.) \$1.

*Bellows, Woodason's—

*Large, Single-Cone, Powder. (3 lbs.) Each, \$4. Small (2 lbs.) each, \$1.60.

*Large, Liquid-Spraying. (4 lbs.) Each, \$2.75. Smaller (3 lbs.) each, \$2.50.

*Sulphur. For sulphur and other powders. (3 lbs.) Each, \$4.

*Bill Hooks. English, for trimming shrubbery. (4 lbs.) Ask for prices.

Charcoal, Fine and Medium Grade. 50 lbs. \$3.50, 100 lbs. \$6.50.

Coarse. Pk. 40 cts., bus. \$1.25.

*Corn Knives. For cutting down cornstalks. (2 lbs.) Each, 50 cts.

*Dandelion and Plantain Puller, Bateman's. (1 lb.) Each, 35 cts.

*Dibble. Wooden handle, steel point. Two sizes. (1 lb.) Each, 45 cts. and 50 cts.

*All Iron. (2 lbs.) Each, 50 cts. Brass Point. (1 lb.) Each, 75 cts.

Forks, Weeding, Saynor's Long Handle. Saynor's Short Handle.

Ask for prices.

American Steel. 8-in. handle. Each, 40 cts.

American. Hand-forged and tempered steel. Each, 30 cts.

American. Malleable. Each, 10 cts. Gem. Each, 40 cts.

Garden Line. White, glazed. Superior to Italian Hemp garden line. 48 feet weighs 6 ounces. 48 ft. 60 cts. 5 hanks for \$2.50.

Garden Line Reels, with stake. \$2.50.

*Glass Clamps. For supporting broken glass. 25, 35 cts.; 100 (1 1/4 lbs.), \$1.50.

*Glass Cutter, No. 1 Turret Head, Tested. (4 ozs.) Each, 40 cts.

*Glazing Points, Peerless. Nos. 1, 2, and 2 1/2. (1 lb.) 1,000, 75 cts.

Grass Edger, American. 9-in. blade, 80 cts.

Hose, Rubber (including coupling), Beckert's Seed Store Brand. 1/2-in., in 50-ft. lengths, \$9.25; 25-ft. lengths, \$5. 3/4-in., in 50-ft. lengths, \$10.25. Beckert's Special Spray Hose. 50-ft. length, \$8.

*Hose Couplings, Perfect-Clinching, Brass. 3/4-in., pair (4 ozs.), 35 cts.

*Brass, Revero. Pair (4 ozs.), 35 cts.

*Hose Menders, Perfect-clinching. Used as the coupling mentioned above. (3 ozs. each.) 1/2-in. and 3/4-in., each, 20 cts.

*Cooper's, Brass. (2 ozs. each.) 1/2-, 3/4-, and 1-in., each, 15 cts.; doz., \$1.50.

*Hose Reducer. To change the gage. (4 ozs.) Each, 25 cts.

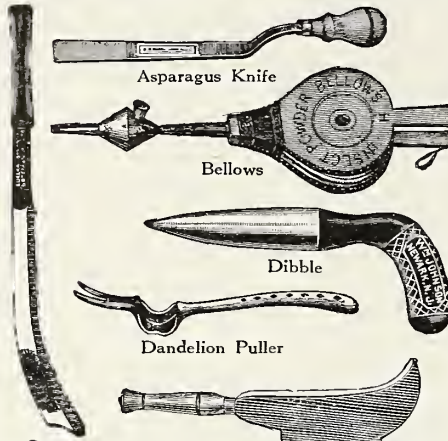
Hotbed Mats. Drill, 76 x 76 inches, each, \$2.35; doz., \$27. Burlap, both sides, 40 x 76 inches, each, \$3.25; 76 x 76 inches, each, \$4.50.

Waterproof. 76 x 76 inches. Waterproof both sides. Each, \$5.

40 x 76 inches. Waterproof both sides. Each, \$3.50.

40 x 76 inches. Waterproof one side. Each, \$1.70; doz. \$18.

Hydrometer. For testing lime-sulphur solution. Each, \$1; by mail \$1.10.



Corn Knife



Cedar Plant-tub



Weeding Fork



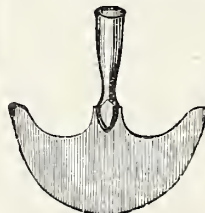
Mole Trap



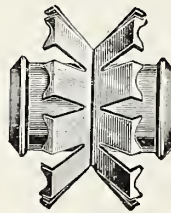
Garden Line Reel



Turret Glass Cutter



Grass Edger



Hose Mender



Pruning Knife



Pruning Knife

Hotbed Sash. 3 x 6 ft. Best grade Cypress. Iron cross-bars and lugs. Painted two coats. Glazed double-strength 10 x 12 glass and puttied. 3-row glass, each, \$5.25; doz., \$60. Painted two coats and unglazed, as above. Each, \$3; doz. \$35.

*Knives, Budding (English). One blade, straight or curved. (4 ozs.) Each, \$2.25.

*Small, Florist Knife. (3 ozs.) Each, \$1.

*Pruning, Field's. Staghorn handle \$3.

*Labels, Pot. Painted.

	Weight per 100	100	500	1,000
4-inch...	3/2 lb.	\$0 20	\$0 70	\$1 25
5-inch...	3/2 lb.	25	90	1 75
6-inch...	3/2 lb.	30	1 15	2 00

Garden.

	Doz.	100
8-inch...2 lbs.	\$0 15	\$0 75
10-inch...2 1/2 lbs.	20	1 00
12-inch...3 lbs.	25	1 25
14-inch...9 lbs.	50	2 75
16-inch...9 lbs.	60	3 25

Garden, or Horticultural. Weather-proof. Celluloid. With 18-inch stake. 1 1/2 x 2 3/4 in. Each, 20 cts.; doz., \$2; 100, \$15.

*Tree. Painted; copper-wired; 3 1/2-inch (100 weigh 1 lb.), 100, 35 cts.; 500, \$1.25; 1,000, \$2.

Simplex Weatherproof Plant. Celluloid, copper-wired.

	Doz.	100
3 x 1 1/2 in.	\$0 25	\$2 50
4 x 3/4 in.	50	4 50
5 x 1 in.	75	6 50

Lawn Sprinklers, The Rainfall. Each, \$1.50.

*Pluvius. (4 lbs.) Each, \$1.75.

*Brass Ring. (1 lb.) Each, \$1.

*C. B. G. ("Cheap But Good"). (2 lbs.) Each, 40 cts.

Sprinkler, Hothouse. Very finely perforated brass rose. 3-in. face. \$1.

*Nozzles, Allen. (1 lb.) Each, 70 cts.

*Bordeaux. (4 ozs.) Each, 85 cts.

*Boston Spray. Copper. (1 lb.) Each, 85 cts.

*Pet. Spray or solid stream. (1 lb.) Each, 75 cts.

*Vermorel. (4 ozs.) Each, 95 cts.

*Mole Traps, Reddick. (3 lbs.) Each, \$1.

Plant Tubs. Virginia White Cedar. Painted green with galvanized, electric-welded, wire hoops and handles. If wanted with handles, add 10 cents to price of each tub.

	Diameter		Depth	Each
	inside top	inside bottom		
No. 4..	9 in.	7 in.	9 in.	\$0 75
No. 5..	10 in.	7 1/2 in.	9 in.	80
No. 6..	11 in.	8 1/2 in.	10 in.	90
No. 7..	12 in.	9 in.	11 in.	1 15
No. 8..	13 in.	10 in.	12 in.	1 40
No. 9..	14 in.	11 in.	13 in.	1 55
No. 10..	15 in.	11 1/2 in.	14 in.	1 75
No. 11..	16 in.	12 1/2 in.	15 in.	2 10
No. 12..	17 in.	13 1/2 in.	16 in.	2 60
No. 13..	18 in.	14 1/2 in.	17 in.	3 10
No. 14..	19 in.	15 1/2 in.	18 in.	3 50

*Scissors, Grape-thinning. 7-in. (4 ozs.), 50 cts.

Scythes, Lawn. High-grade English. Riveted back. 30-in. blade, \$2; 34-in. \$2.65; 36-in. \$2.75.

Bartlett. American. All steel. 26 and 28 in. Each, \$1.65.

Saws, Pruning. Single edge; silver steel; unusual edge-holding qualities. 16-in., \$1; 18-in., \$1.25; 20-in., \$1.40.

Pruning, Triangular. Blade may be used at any angle. 16-in., \$1.40; 18-in., \$1.50.

MISCELLANEOUS SUPPLIES, continued

Shears, Grass Border, English. 8-in., \$3.25; 9-in., \$3.75; 10-in., \$4.
Grass Border, English. One wheel, 9-in. blade. Each, \$4.
Lawn, English. Two wheels, 9-in., \$5.35.
Lopping, English. 2½-in. blade, \$3.75; 3-in. blade, \$4.25; 4-in. blade, \$4.75.
Lopping, The Searight. Each, \$2.
Hedge, English. With spring notch. 8-in. blade, \$2.25; 9-in., \$2.60; 10-in., \$3.25.
***Pruning, French Wheel-Spring.** 7-in. (1 lb.), \$1.90; 8-in. (1 lb.), \$2; 8½-in. (1 lb.), \$2.35; 9-in. (2 lbs.), \$2.60. Extra springs. (2 ozs.) Each, 25 cts.
***Pruning, French, "Aubert."** (1 lb.) Each, \$3.25.
***Pruning, Swedish, No. 1015.** 6¾-in. (8 oz.) Each, 35 cts.
***Pruning, Ladies' Polished.** 7-in. (8 oz.) Each, \$2.
Pruning, Rieser. Double brass spring. Full polished. 8½-in. (1 lb.) Each, \$2.25.
Grass, English, No. 3075. 5½-in., each, \$1.25; 7-in., each, \$1.65.
Grass, English, No. 357. 5½-in., each, 85 cts.
Sickles, or Grass Hooks. English riveted back. 75 cts.
Silkaline. For stringing smilax and asparagus. Spools, 25 cts.; lb., 8 spools, \$1.75.
Sieves. ⅛, ¼, ½, and ¾-inch mesh. Each, 90 cts.
Spades, Steel, Gold Standard.
Heavy, Square point. Each, \$2.10.
Round point. Each, \$2.10.
Light. Each, \$1.75.
Boy's size. Floral shovel. Each, 85 cts.
Sprayer, Hand, Vaporizing. Tin. Pint, each, 35 cts.; qt., each, 45 cts.
Compressed Air. Tin. Qt., each, 90c.
Compressed Air. Brass. Extra heavy. Qt., each, \$1.75. No. 25C, qt., each, \$1.25.
***Sprinklers, Rubber.** No. 1. Plain or valvular. (1 lb.) Each, \$1.10.
***Rubber.** No. 1. Angle-neck. (1 lb.) Each, \$1.10.
***Stakes, Cane.** Can be cut in lengths to suit. 6 to 9 ft. 100, \$1.75; 250, \$3; 1,000, \$9.50; 9 to 12 ft., extra heavy, 100, \$2.75; 250, \$5; 1,000, \$17.
Stakes, Heavy Dahlia, or Rose.

	Each	Doz.	100
3 ft.	\$0 10	\$1 00	\$6 30
3½ ft.	12	1 25	7 50
4 ft.	13	1 30	8 50
5 ft.	15	1 50	10 50
6 ft.	20	2 00	12 50

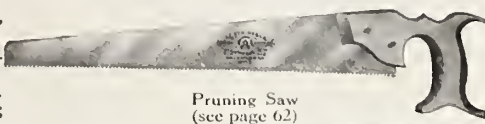
Stakes, Green Dyed. Japanese.

	Doz.	100	500	1,000
2 ft.	\$0 15	\$1 00	\$4 50	\$8 50
3 ft.	22	1 60	6 50	12 00
4 ft.	27	2 00	9 00	17 50

Galvanized Rose. Doz. 100 1,000

	Doz.	100	1,000
2 ft.	\$0 20	\$1 50	\$12 50
2½ ft.	22	1 60	13 75
3 ft.	25	1 75	15 50
3½ ft.	30	2 25	18 50
4 ft.	35	2 50	21 50
5 ft.	40	2 75	26 50

Stakes, Hyacinth. Painted green. *12 in., 100 weigh 2 lbs., 5 cts. per doz., 25 cts. per 100, \$1.50 per 1,000; *18-in., 100 weigh 2 lbs., 8 cts. per doz., 40 cts. per 100, \$2 per 1,000.



Pruning Saw (see page 62)



Triangular Pruning Saw (see page 62)



Grass Shears



Sickle



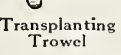
Hedge Shears



Lawn Scythe



Rubber Sprinkler



Transplanting Trowel



Grass Border Shears



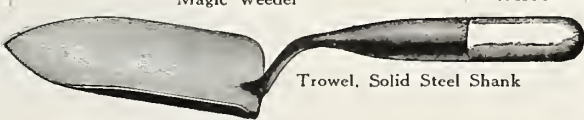
Excelsior Weeder



Hazeltine Weeder



Magic Weeder



Trowel, Solid Steel Shank

Stakes, continued

Wooden, Round Tapering.	Painted green.	Each	Doz.	100
1½ ft.	\$0 03	\$0 25	\$1 50	
2 ft.	04	40	2 55	
2½ ft.	06	60	3 85	
3 ft.	08	75	5 00	
3½ ft.	10	1 00	6 25	
4 ft.	12	1 25	7 60	
5 ft.	15	1 50	9 00	

Syringes, Brass. Not obtainable.

Thermometers, Tested.	Each
No. 5400, 10-in. japanned case.	\$1 50
No. 5400P, 10-in. copper case.	1 65
No. 5420, 8-in. tin case.	55
10 in.	65
No. 5452P, Self-registering. 8-in. copper case.	4 25
No. 5981, Hotbed. 10-in., wooden.	2 25
No. 5774, Incubator, with holder.	75
No. 5773, Incubator, with stand.	80
No. 5797, Brooder.	60

*Tin Foil. For wrapping. Lb. 25 cts.
 *Torch, Asbestos. For burning caterpillars on trees. (1 lb.) Each, 30 cts.

Tree Pruner, "The Extension." Has compound lever head and is made with a hook and side lever, calculated for heavy work. Will cut a limb 1½ in. in diameter. Rod connecting knife-lever with handle-lever is so arranged that strain is even on both sides, giving pole double strength. With 8-ft. pole, each, \$2.40; 10-ft., \$2.60; 12-ft., \$2.70; 14-ft., \$2.80; 16-ft., \$2.90.

"The Bastian." Each, with 6-ft. pole, \$1.60; 8-ft., \$1.85; 10-ft., \$2.15; 12-ft., \$2.35; 14-ft., \$2.60; 16-ft., \$2.85.

*Extra knife blades. (1 lb.) Each, 15c.
Tree-Pruning Shears, "The Bastian." Each, with 6-ft. pole, \$2; 8-ft., \$2.50; 10 ft., \$2.75.

*Tree Scraper. Three-edged. (1 lb.) 50 cts.
 *Trowels. Solid steel shank and blade. (2 lbs.) Each, 80 cts.

*Angle. 7-in. blades (1 lb.), 25 cts.; 8-in. blades (1 lb.), 30 cts.

*Forged Steel, No. 211. 6-in. blade and shank one piece. (1 lb.) Each, 60 cts.

*Sheet Steel, No. 212. Blade and shank one piece. 6-in. (1 lb.) Each, 35 cts.
Transplanting, Bateman's. (1 lb.) Each, 55 cts.

Twine, Yazoo. For stringing smilax.
 *Green. Ball (3 ozs.) Prices quoted on application.

Vine Cutters. Long handles. Each, 50c.
Vaporizing Lamp. For vaporizing Nicotinic acid, etc. Each, 65 cts.

Watering-Cans. Heavy galvanized iron, with one coarse and one fine spray. Extra sprays, 40 cts. each. 4-qt., \$2.75; 6-qt., \$3.10; 8-qt., \$3.50; 10-qt., \$3.75; 12-qt., \$5.

Low. For greenhouses. 4-qt. Each, \$2.50.
Light Weight, Galvanized. 4-qt., 85 cts.; 6-qt., \$1; 8-qt., \$1.20.

Weeders, Cleveland. Each, 70 cts.
 *Eureka. (1 lb.) Each, 45 cts.

*Excelsior. (1 lb.) Each, 15 cts.
 *Onion. (1 lb.) Each, 50 cts.

*Magic. Nos. 1, 2 and 2V. (1 lb.) Each, 30 cts., 40 cts., and 45 cts.

*Hazeltine. (1 lb.) Each, 40 cts.
 *Lang's. (4 ozs.) Each, 30 cts.

*Eureka, Long-Handle. (2 lbs.) Ea., 45c.
The Invincible. With 5 adjustable steel blades. 4½-ft. handle. Each, \$1.15.

Wheelbarrows, Garden, No. 2. Body 28 inches long, 20 inches front, 24 inches back, 2¾-inch tire. Each, \$6.
 No. 3. Body 26 inches long, 19 inches front, 22 inches back, 2¾-inch tire. Each, \$5.75.

THE MOTTO "NOT HOW CHEAP BUT HOW GOOD" that governs the seed end of our business is applied to the "sundry" business as well. Supplies offered above are A1 in every case.

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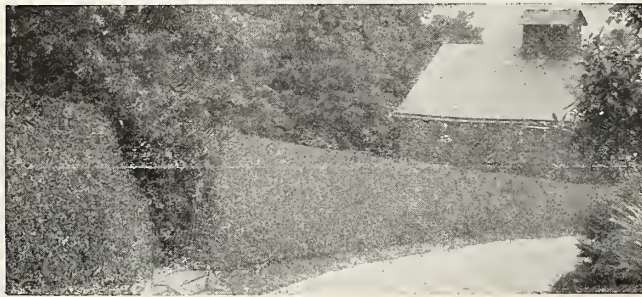
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Hedge Plants

Privet, California. Plant 10 to 15 inches apart in double rows, alternating the plants.	100	1,000
12 to 18 in. high, 2 yrs. old.....	\$3 50	\$30 00
18 to 24 in. high, 2 yrs. old.....	5 00	45 00
24 to 36 in. high, 2 yrs. old.....	6 00	55 00
Berberis Thunbergii. Of low, dense growth and spreading habit, growing extremely dense right from the base. Requires but little pruning. Leaves bright green. The branches in the fall are covered with bright red berries. Plant 8 to 12 inches apart in single rows.	100	
12 to 18 in. high. Heavy.....	\$10 00	
18 to 24 in. high. Heavy.....	15 00	
24 to 30 in. high. Heavy.....	20 00	





For a Fine Lawn Use Our Evergreen Lawn Seed



GOOD soil and proper drainage are absolutely necessary to produce a good lawn. There should be no less than a foot of good surface or sandy soil,—heavy loam where possible. In light or sandy soil the grass has a tendency to burn out in hot, dry weather. Where it is necessary to grade the surface, the subsoil should be removed and replaced with good earth.

Unless the soil is sufficiently rich, apply a liberal quantity of well-rotted manure; dig or plow this in and incorporate with the soil. Rake or harrow the surface even, and after sowing the seed rake again lightly and firm the soil with a lawn-roller. Never attempt to dig, rake or roll a lawn when the ground is wet.

The best time to make a lawn is early in spring as soon as the ground is in good tillable condition, although very satisfactory results are obtained from lawns made during the summer and autumn.

When the young grass is from 3 to 4 inches high, it should be mown, but not too short, as close cropping is injurious to a new lawn. Repeat the mowing at intervals of about ten days. After the lawn is once well established, frequent rollings are beneficial, especially early in spring, after the soil and with it the roots of the grass have been drawn up by the winter's frost.

On banks and terraces, where the seed is liable to be washed off by rains before it has sprouted, a quick catch can be secured by mixing the seed with moist earth about one week before sowing; at the expiration of that time much of the seed is ready to sprout.

Beckert's Evergreen Lawn

Good seed is as necessary to make a lawn as the proper preparation of the ground. We have made many experiments to determine the grasses best adapted for lawn purposes, and the above mixture is composed of a combination, in proper proportions, of the best natural lawn grasses, so as to produce a continuous good lawn from early spring throughout the summer until late in fall.

The ingredients of this mixture are the highest grade of re-cleaned seeds only. This Lawn Seed is sold by the standard bushel of 32 quarts (dry measure) and weighs 24 pounds to the bushel.

Lawn Seeds are generally sold on a basis of 14 pounds to the bushel, which will invariably fall one-third or more short of actual measure if composed of choice clean seeds, and where a bushel of 14 pounds holds out in measure, it must of necessity be largely composed of light, chaffy matter of no value.

Use 1 qt. to 300 sq. ft., 4 to 5 bus. to the acre. **Qt. 30 cts., postpaid 35 cts.; 2 qts. 55 cts., 3 qts. 75 cts., 4 qts. 90 cts., pk. \$1.50, ½ bus. \$2.75; measured bushel of 24 lbs. \$5.50, or \$3.25 for a bushel of 14 lbs.**

Good Grade Lawn Grass Seed. Qt. 15 cts., 4 qts. 50 cts., pk. 90 cts., bus. of 20 lbs. \$3.50.

Putting-Green Mixture

The very finest, hardy, low-growing grasses are contained in this mixture, producing a close and lasting green turf. **Qt. 30 cts., postpaid 37 cts.; pk. \$1.75, ½ bus. \$3, bus. of 20 lbs. \$6.**

Shady-Nook Lawn Mixture

A mixture of grasses best adapted for sowing in shady places where other grasses will not thrive. In nearly all lawns where there are trees, there will be found bare, unsightly spots which can be made green and bright by using this mixture. **Qt. 30 cts., postpaid 37 cts., pk. \$1.75, ½ bus. \$3, measured bus. of 20 lbs. \$6.**

Golf-Links Mixture

Composed of such grasses as will produce a turf suitable for golf-links, cricket-tables or polo-grounds. **Qt. 20 cts., postpaid 27 cts., pk. \$1.10, bus. of 20 lbs. \$4.**

Lawn Fertilizers

(Prices subject to change)

Ashes, Unleached Hardwood. Acts as a stimulant and supplies natural plant-food, permanently enriching the soil. Apply in fall or early in spring, so that the rain may carry the elements down to the roots of the grasses, producing a rapid and rich green growth. Apply 1,500 to 2,000 lbs. to the acre. Not sold in less quantity than a barrel. Weight of barrels varies. **100 lbs. \$2, 1,000 lbs. \$16, 2,000 lbs. \$30.**

Bone Meal, Pure Raw No. 1. Highest grade. Contains nothing but pure, raw animal bone. Vastly superior to steamed bone. Ammonia, 4½ to 6 per cent; phosphoric acid, 22 to 24 per cent, equal to bone phosphate 43 to 52 per cent. **5 lbs. 35 cts., 10 lbs. 60 cts., 50 lbs. \$1.75, 100 lbs. \$3.25, 1,000 lbs. \$27.50, 2,000 lbs. \$54.**

Lawn Fertilizer. A high-grade Lawn Fertilizer. Also adapted for the vegetable and flower-garden, trees, shrubbery, and pot-plants. Ammonia, 3½ to 5 per cent; available phosphoric acid, 4 to 6 per cent; insoluble phosphoric acid, 12 to 14 per cent; total phosphoric acid, 16 to 18 per cent, equal to bone phosphate of lime, 35 to 40 per cent. **5 lbs. 35 cts., 10 lbs. 60 cts., 50 lbs. \$1.65, 100 lbs. \$3.**

Sheep Manure, Pulverized. A stimulant, promoting a strong, healthy, and rapid growth. **5 lbs. 30 cts., 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.75, 1,000 lbs. \$24, 2,000 lbs. \$46.**

Stable manure should never be used as a top-dressing on a lawn, as it always contains large quantities of noxious weed seeds, and is also objectionable on account of unsightliness and disagreeable odor.

Lawn Seed by Parcel Post. In quantities in excess of 1 qt. add for postage according to your zone rate, for the quantity you order as follows: **Beckert's Evergreen Lawn Seed:** 4 qts. equal 3 lbs.; pk. equals 6 lbs.; ½ bus. equals 12 lbs. **Putting-Green, Golf-Links, and Shady-Nook Mixtures:** 4 qts. equal 2½ lbs. (requires postage for 3 lbs.); pk. equals 5 lbs.; ½ bus. equals 10 lbs.; bus. equals 20 lbs.

EARLY FLOWERING COSMOS



Grow Plenty of Flowers in Your
Victory Garden — They Gladden Life!



BECKERT'S SEED STORE
101 & 103 FEDERAL STREET
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BECKERT'S EVERGREEN
LAWN SEED