

# CHOICE IOWA SEEDS

56<sup>TH</sup> ANNUAL  
CATALOGUE

1921



*Soy  
Beans*

*Iowa  
Gold Mine  
Corn*

*Dwarf  
Essex  
Rape*

SEEDSMEN TO THE AMERICAN PEOPLE

IOWA SEED CO. DES MOINES  
IOWA U.S.A.



1865

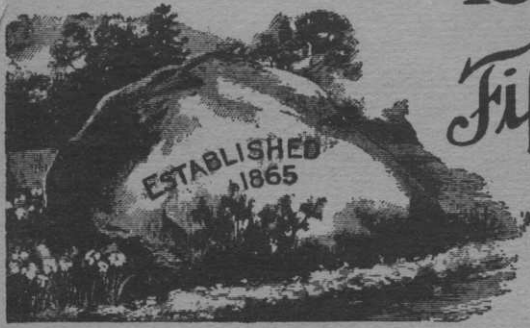
United States Food Administration  
License No. G 30069

1921

# Fiftysix Years Successful Business!

Des Moines, Iowa, January, 1921

Greeting to Our Customers



We want to express our sincere thanks to our customers for the business given us last year. Our sales continue to increase in volume. In a few instances items which we formerly offered are not available. The best part of our line however, is not disturbed and prices for the current season remain about the same as a year ago except in the case of farm seeds which are generally cheaper. Compared with other lines of merchandise, seeds are low in price and cost to the consumer. Generally speaking you can afford to use all the seeds that you can plant to advantage. The crops this season are good and the seeds we offer are of the very highest quality and we feel more certain than ever that we will give satisfaction to our friends. Our continued growth and the increasing confidence of patrons lead us to believe that we are fully entitled to our position as

## "SEEDSMEN TO THE AMERICAN PEOPLE"

### OUR GUARANTEE

In trading by mail you have to buy seeds without seeing them. We protect you in this, however, because if any seeds from us are not satisfactory upon arrival and inspection return them to us and we will refund the money you paid for them. With this agreement you can purchase your seeds of us in every confidence and just as well as though you traded over our counters. You are sole judge; all we require is that they shall be sent back to us within fifteen days from date of receipt by you. This applies to garden, farm and flower seeds. We cannot guarantee a crop, but we can and do guarantee to take seeds back that you yourself are not pleased with. The fifteen days will give you ample time to test them in any way you want. It will give you time to send samples for inspection, analysis or test to the State Seed Inspector or to the Agricultural Experiment Station. Our stocks will stand the closest scrutiny and we are ready to be judged accordingly. You will readily see that we could not make this offer unless our stocks were first class and would give satisfaction to the purchaser.

### TO OUR NEW FRIENDS

Each year this catalogue goes to prospective buyers who have never traded with us and are not acquainted with our stocks or methods. To such just a few words of solicitation. This book is compiled with great care that it may be a help to you in your gardening and farming operations. Both text and illustrations are truthful in detail, and it will be found a real guide to better farms and better gardens. Read it carefully, weigh all the statements and send us a trial order. We will gladly leave in your hands the question of future and continued patronage. Each year our friends increase in number, and this is because those who give us trial orders become firm friends and continuous patrons. We sell the best possible stocks at the lowest prices consistent with profitable merchandizing. Price, however, must be second to quality. You do not want poor seeds at any price. We affirm without qualification that our prices are as low as quality supplied will justify. We want your trade and will give value received in quality seeds for money sent us.

Iowa Seed Company, 209-211 Walnut St. Des Moines, Iowa

## SUGGESTIONS TO CUSTOMERS

Our constant aim is to make the highest quality the first consideration, and next to put our prices as low as good seed can be sold

**Order Early:** The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet, as it makes it more convenient for us in filling orders. You will note there are two order sheets enclosed; one for seeds, tools and miscellaneous goods, and the other for plants, bulbs and nursery stock. If you will use them as intended, it will greatly facilitate the execution of your orders. Terms are invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received the same as cash.

**Shipping:** There are three Interurban companies and fifteen railroad lines at Des Moines, so that quick shipments can be made to any town in the United States.

**Charges Prepaid:** All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent prepaid by mail or express by the quickest and most direct routes, unless ordered otherwise, and we guarantee the safe arrival. Seeds sold by the peck or bushel, Field Seeds, Potatoes, Implements and other heavy goods are sent by freight or express, customers paying charges. Remember seeds go at special rates by express.

**Seeds by Mail:** Seeds, plants and bulbs may be sent by Parcel Post. The table of rates, page 2, gives amount of postage required on quantities over 1 pound. Miscellaneous merchandise may go by Parcel Post, and mailing weight is given on items of this kind.

**Delivery:** The point of delivery of all goods is on cars at Des Moines. When we quote a delivery price it means simply that we prepay the freight, express charges or postage.

Many of our former customers live at railroad stations where there are no agents. In such cases we must request them to send sufficient money to prepay freight charges on heavy shipments; also in cases where perishable or other goods are ordered to be sent by freight or express to such great distances that cost of transportation will nearly or quite equal the value of the goods.

**Discounts:** We have this year made the prices in this catalogue as low as our high grade seeds can be sold, and we can give no discounts. In ordering seeds in bulk you may deduct ten cents per pound on vegetable seeds, such as are listed prepaid, if you are willing to have them sent by express or freight at your expense.

**Premiums:** Each year we put up thousands of packets of new or particularly desirable varieties of seeds for free distribution to our customers. We will send these out with the seeds ordered by you and will treat you liberally in this respect. We shall also try to please our plant customers by adding something to their order when shipping it.

**Our Responsibility:** As this book will probably go into the hands of some who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the Commercial Savings Bank of this city, the postmaster or to any express company.

**What We Guarantee:** That all money sent to us for seed shall reach us if sent us by registered letter, postoffice or express money order, or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. Keep a copy of your order. Sometimes persons think they have ordered articles which they have omitted, and blame us for not sending them.

**About Warranting:** We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. When it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or dry soil, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant seeds to produce a perfect crop, and we want it plainly understood that while we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty express or implied as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and the money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for vegetable or flower seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will see that we are right.

**Market Gardeners** and others who buy vegetable seeds in bulk to the amount of \$5.00 or more are requested to send their list of seeds wanted to us and let us make special quotations.

**Plant Orders:** Orders for plants will be filled as early in the spring as we consider it safe to send them. If ordered for immediate shipment in severe weather they will be sent at purchaser's risk.

**Small Orders:** We take pains to fill orders promptly and correctly, no matter if only for but one packet of seeds, but we request that plant orders amount to at least 25 cents, and nursery stock to at least 50 cents, as otherwise they are filled at a loss to us.

IF YOU ONCE PURCHASE VEGETABLE SEEDS OF US YOU WILL CONTINUE A PATRON. THE QUALITY INVITES CONFIDENCE.

# VEGETABLE SEEDS



Our stock of vegetable seeds we are sure cannot be excelled either in quality or selection by any firm in the country, as we watch our growing crops with great care, taking pains to isolate and keep pure and true to name. Every variety listed is desirable and has our recommendation. Our packets are, we believe, as well filled as any reliable seed dealer's in the United States, and, in fact, a comparison has shown that they contain more seed, on the average, than those of any other firm whose packets we have secured. We pay the postage on vegetable seeds at these prices, except on Beans, Peas and Corn in large quantities as stated in the variety list of these items.

We make it a rule to carefully test all seeds. We carry on extensive trials by which we are enabled to offer only those strains of seeds which come up to the standard of purity and excellence, and are of the highest vitality, and our **Choice Iowa Seeds** are sure to please. The vegetable seed department is under the personal supervision of the president of our company. He places the contracts, inspects the growing crops, superintends the farm operations in summer and during the busy months in spring he gives personal oversight to the order filling department. We expect to give you high quality in our **Choice Iowa Seeds** and to supply them at as low prices as possible.

(One ounce will sow  
forty feet of drill.)

Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square requiring 50 plants will give abundant supply for an ordinary family. Sow early in spring in rows a foot apart; keep clean by frequent weeding and hoeing. Circular on How to Make an Asparagus Bed, free.

**BONVALLET'S GIANT.**—A new and entirely distinct variety, that produces shoots which are white as long as they are fit for use. Robust and vigorous in habit, and throws up larger shoots and fully as many as Conover's Colossal, and requires no earthing up in order to furnish the white shoots so much sought after. Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00.

**PALMETTO.**—Stalks frequently measure 2 inches in diameter, and even when of extra length are perfectly tender when cooked. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**CONOVER'S COLOSSAL.**—The standard variety. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

## ASPARAGUS

(For asparagus roots,  
see page 36.)



BRUSSELS SPROUTS

## BRUSSELS SPROUTS

(One ounce for about 3,000 plants.)  
Of the cabbage family, producing numerous heads on the stem, of most delicious quality, with cabbage-like head at top. Use and cultivate like winter cabbage.

**AMERICAN MAMMOTH.**—Greatly superior variety of American growth, which forms heads about 3 weeks earlier than other sorts. Profitable for market gardeners. Pkt. 10c, oz. 35c, ¼ lb. \$1.00.

## ARTICHOKE

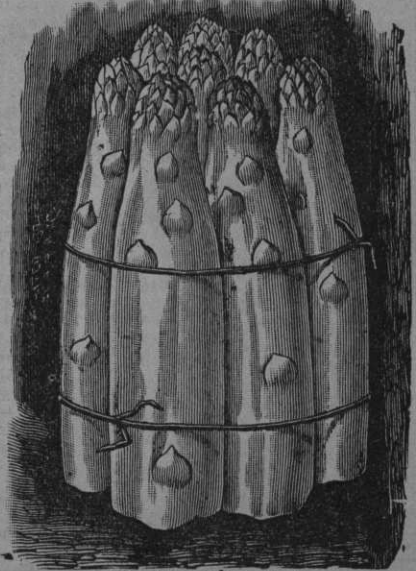
A great delicacy. A perennial producing the large flower heads, which are the part eaten, the second season and every year thereafter. Sow seed and when weather becomes settled transplant in rows 4 feet apart and 2 feet in the row.

**LARGE GREEN GLOBE.**—The best variety for general use; buds large; scales green; very thick, fleshy. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

## BROCCOLI

(One ounce will produce about 3,000 plants.)  
Growth and habit like cauliflower, except more hardy, and heads are not so compact; not desirable for warm or dry countries.

**EARLY LARGE WHITE.**—The most popular sort. Has medium sized, creamy white heads. Pkt. 10c; oz. 40c.



BONVALLET'S GIANT

YOU ONCE PURCHASE VEGETABLE SEEDS OF US YOU WILL CONTINUE A PATRON. THE QUALITY INVITES CONFIDENCE.



# BEANS

## DWARF BUSH VARIETIES.

(One pound will sow 50 ft. of drill.)

Dwarf or bush beans require no support and may be planted in drills or hills. They do best if not crowded. Beans are tender annuals and cannot be planted until danger of frost is past. Do not plant more than two inches deep. Never cultivate when the plants are wet.

## WAX POD SORTS

**BRITTLE WAX.**—Claimed to be earlier than Golden Wax. Plant is a strong grower with large foliage and very productive. Pods are nearly straight, rather broad, solid and four to six inches long. Pods are stringless and the quality is excellent. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**IMPROVED GOLDEN WAX.**—(Cut No. 1)—The most popular variety and this popularity is due largely to the fact that the strain we have is a great improvement on the old Golden Wax, having larger pods and being more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods a rich golden yellow color and of perfect shape and rust proof. Best for family or market garden. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**CHALLENGE BLACK WAX.**—This strain of Black Wax is in our opinion superior to that generally offered. Pods tender, round, fleshy and stringless. (See illustration.) Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**DAVIS WHITE WAX.**—The best white seeded wax-pod variety. While other sorts may have superior qualities this bean does not show discoloration when cooked, and for that reason is preferred for canning. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**SURECROP STRINGLESS WAX.**—(Cut No. 2.)—A valuable variety of dwarf wax beans. It is very productive, bearing large, handsome, golden yellow pods in great abundance and being hardy, may be planted early. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c. Not prepaid, any quantity at 30 cents per pound.

**WARDWELL'S KIDNEY WAX.**—A very popular variety of wax bean bearing long, flat pods of delicate, waxy, yellow color, stringless and brittle. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c. Not prepaid, any quantity at 30 cents per pound.

## GREEN POD SORTS

**STRINGLESS GREEN POD.**—A stringless green pod bush bean. Surpasses all others in crisp, tender flavor. Finely shaped, long green pods, absolutely stringless; ready to market two weeks earlier than the Valentines. Of immense value to market gardeners and amateurs who seek an early bean. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**BOUNTIFUL.**—Vines strong, upright, abundant heavy foliage. The pods are thick and broad and entirely stringless, and produced in greater profusion than any other bush bean. Resembles Yellow Six Weeks in habit of growth. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

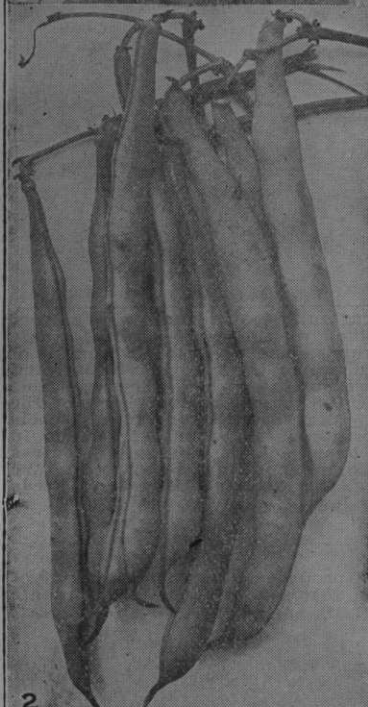
**FULL MEASURE.**—A new variety which is a cross of Refugee and Yosemite Mammoth Wax. Is very prolific and the pods are large, handsome, of dark green color, and entirely stringless. Matures as early and equal in quality to Stringless Green Pod, surpassing that variety in productiveness. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 35 cents per pound.

**IMPROVED EARLY VALENTINE.**—(Cut No. 3.)—Standard green pod variety. Produces the true, round curved pods abundantly. Unexcelled in quality and uniformity of ripening; nearly the whole crop can be taken at one picking, usually within 35 days after planting. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

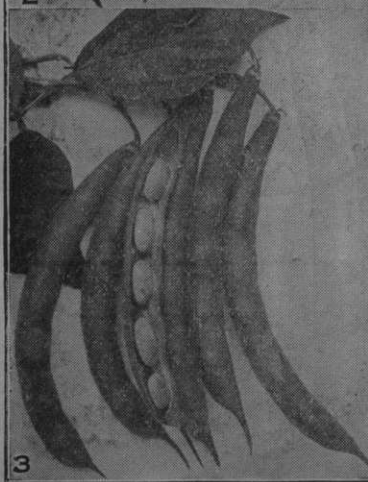
**IMPROVED NAVY, or Boston Pea.**—An improvement over the old-time Navy Bean. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 35c, postpaid. Not prepaid, any quantity at 20 cents per pound.



1

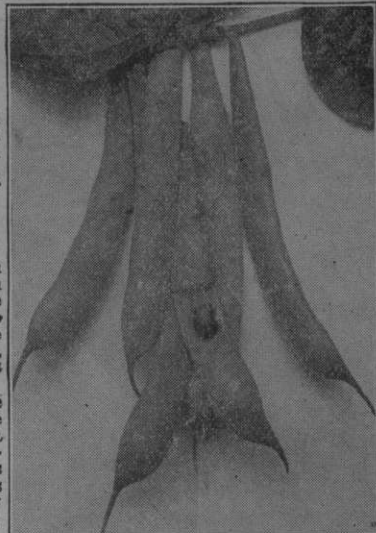


2



3

1—GOLDEN WAX. 2—SURECROP WAX.  
3—EARLY VALENTINE.



BRITTLE WAX



CHALLENGE BLACK WAX



STRINGLESS GREEN POD





## BEANS--CONTINUED

**BURPEE'S BUSH LIMA.**—A dwarf or bush form of the true large Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder. Does not always mature this far north, but makes excellent green shelled beans. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 50c, postpaid. Not prepaid, any quantity at 40 cents per pound.

**HENDERSON'S BUSH LIMA.**—A true bush Lima, and sure to ripen its enormous crop. Beans grow to good size and are excellent either green, shelled or dry. Produces a continuous crop from the middle of July until frost. Enormously productive. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 50c, postpaid. Not prepaid, any quantity at 35 cents per



BURPEE'S BUSH LIMA

prepaid,  
pound.

## POLE BEANS

This class of beans require support for best results. Frequently they are planted among the corn and good returns are secured in this way, but if you can furnish poles for support they will produce wonderfully. The extra care given will be fully repaid by increased yield.

**OLD HOMESTEAD.**—Is also known as Improved Kentucky Wonder. It has reached first place on the list solely on merit as it is enormously productive, pods hanging in great clusters from top to bottom of the pole. Entirely stringless, pods of silvery green color. Can be grown with corn to good advantage. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**LAZY WIFE.**—Very popular pole bean. Derived its name from its immense productiveness. Pods produced in great abundance, measure from  $4\frac{1}{2}$  to 6 inches in length. They retain their rich, tender and stringless qualities until nearly ripe. The white beans are large, round, plump, and make excellent winter shell beans. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

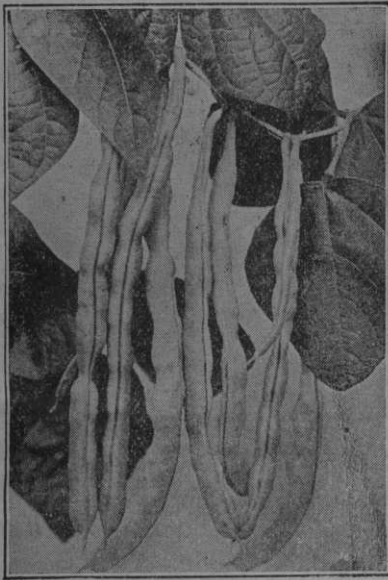
**SPECKLED CUT SHORT.**—The old-fashioned cornfield bean so popular because it seems better than most pole varieties. Of good quality and a good yielder. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**GOLDEN CLUSTER WAX.**—Considered the best of all wax pole beans. It bears profusely its long, golden yellow pods in clusters of from 3 to 6, from the bottom to the top of the pole, and continues in bearing from the middle of July until the vines are cut by frost. Pods are 7 to 8 inches long. They are quite flat but fleshy, absolutely stringless, very brittle and delicious. Pkt. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c. Not prepaid, any quantity at 40 cents per pound.

**KING OF THE GARDEN LIMA.**—An improvement on the large White Lima. Pods are of enormous size. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 60c, postpaid. Not prepaid, any quantity at 40 cents per pound.

**YARD LONG.**—A great curiosity but withal an excellent variety. Produces pods fully three feet long. Splendid for use in the green state as the pods are tender and of fine flavor. Pkt. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, postpaid.

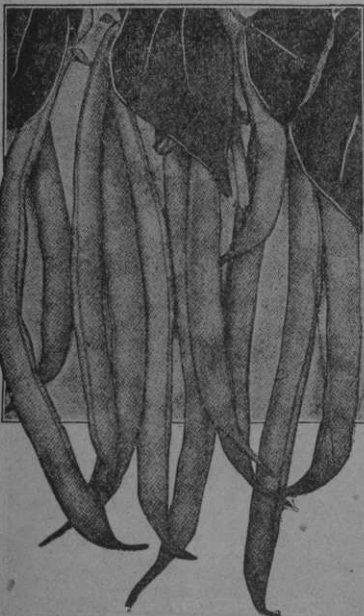
**SCARLET RUNNER.**—Valuable for table use or as an ornamental vine. Pkt. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00, postpaid. Not prepaid, any quantity 75 cents per pound.



GOLDEN CLUSTER WAX



OLD HOMESTEAD



SPECKLED CUT SHORT



LAZY WIFE

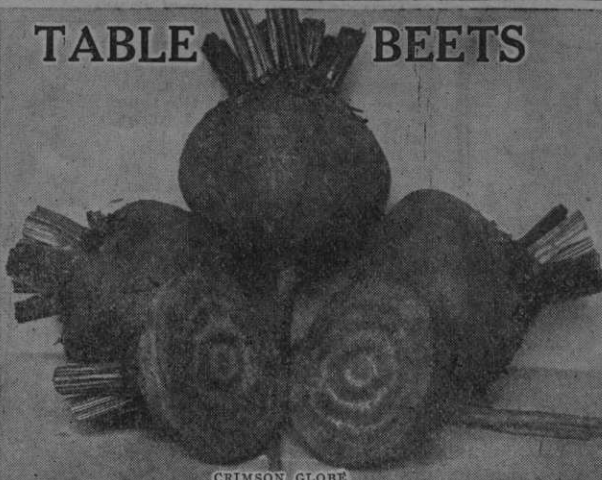
IT ONLY TAKES A LITTLE EXTRA WORK FOR POLE BEANS. THEY YIELD MUCH HEAVIER THAN THE DWARF KINDS



# TABLE BEETS



DETROIT DARK RED



CRIMSON GLOBE



DEWING'S BLOOD TURNIP



CROSBY'S EGYPTIAN

**DETROIT DARK RED.**—(Cut No. 1.)—One of the best varieties grown for main crop. Its roots are round, very smooth, of good marketable size, and for table use no variety can excel it in fine quality. The skin is deep blood red; flesh is also dark red and is sweet and tender. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**DEWING'S IMPROVED BLOOD TURNIP.**—(Cut No. 3.)—Improvement of Early Blood Turnip. Globe-shape, deep blood red color, fine flavor, a good seller and generally considered the most desirable variety for main crop and winter use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 80c.



MARKET GARDENER

(One ounce sows 50 feet of drill; 4 to 6 lbs. for one acre.)

For early, sow as soon as ground can be worked, and from the middle of May for general crop, in drills 15 inches apart and  $1\frac{1}{2}$  inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. The soil should be a deep, rich loam. Hoe often, taking care not to bruise the roots.

**CROSBY'S IMPROVED EGYPTIAN.**—We believe this to be the earliest variety. Great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth with small tops and small tap root. Popular with our market gardeners for this purpose. Being a rapid grower, it may be sown outside as late as the first of August. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



LONG DARK BLOOD

**EARLY CRIMSON GLOBE.**—(Cut No. 2.)—Very early, of spherical form. Skin very very smooth and it is as handsome a beet as you can imagine. It is a rich, deep red color, shading to purple. Its flavor cannot be surpassed. When cooked it is of even, dark color throughout, and is attractive on the table. Uniform shape and size. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**MARKET GARDENERS.**—Undoubtedly one of the best ever introduced. As will be noted by engraving, it is very symmetrical, with small tap root. Unusually small tops. On some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow, attaining a large size, and making a good beet for the winter. One sowing will produce early beets for the market and main crop for winter use, color is deep blood red, fine grained. See Thrift Collection page 34. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**GIANT LUCULLUS CHARD.**—Growing in popularity. Leaves are beautifully curved, and of a soft clean shade of green. The thick, broad stalks are as large as rhubarb. Prepared and served the same as asparagus, or leaves and stalks can be used for "greens," and are considered by many superior to spinach for this purpose. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**SWISS CHARD.**—The ordinary form of chard beet with green leaves. Sometimes known as "Spinach Beet." Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 80c.



FIREBALL

**FIREBALL.**—Has no superior in quality. It is a first early, globe-shape, deep red color, flesh solid and very sweet. Tops are few and small and this is a great saving in bunching for market. Very satisfactory either as a market or home garden variety, especially for early use. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**LONG DARK BLOOD.**—A well known sort. Grows a long, tapering root as shown in illustration. Will produce much greater crops than the flat shaped sorts. Quality is excellent and it will keep nicely all winter in a cool place. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 80c.



GIANT LUCULLUS CHARD



# • MANGEL & SUGAR BEETS FOR STOCK •

**E**XTENSIVELY grown in all parts of the country for feeding stock. Sow in April or May in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer and stockraiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown, and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full directions for culture and storing mangels, will be sent on application. Use five pounds to an acre. Prices quoted by express are not prepaid.

**PRICES**  
are lower.  
Considering the yield the  
cost of seed  
is very low.



## COLLECTION - OF - MANGELS

One ounce each  
of the eight varieties of  
Mangels and Sugar  
Beets for 50c.  $\frac{1}{4}$   
lb. of each \$1.75  
postpaid; one lb.  
of each not pre-  
paid, only \$4.25.

**GIANT HALF SUGAR MANGEL** is  
cheap. See Description.

**MAMMOTH GOLDEN GIANT.**—The largest of yellow flesh mangels. Grows more than half above ground and of a more grayish or rather russet yellow. Remarkably even in shape; of vigorous growth; has a fine neck and very smooth skin; flesh firm and sweet. It is a most excellent keeper; yields 40 to 60 tons per acre. Oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c. Not prepaid, 5 lbs. for \$2.50.

**CHAMPION YELLOW GLOBE.**—The finest type yellow globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained renders it an excellent keeping variety. We recommend this variety as the best adapted to shallow soils. Our seed of this sort is particularly choice. Per oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c. Not prepaid, 5 lbs. or more at 50c per lb.

**GIANT SLUDSTROP.**—This is a variety of exceptionally even growth, showing careful production of stock seeds for many years. Color is reddish yellow, excellent in shape, which resembles Golden Tankard, and is superior to that popular sort in every way. Contains more sugar, grows larger, more above ground and is therefore easier to harvest. It is the best of all mangels for feeding purposes. Per oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c. Not prepaid 5 lbs. or more at 50c per lb.

**DIGNITY LONG RED.**—Improvement on the Mammoth Long Red by careful selection for a number of years. Unexcelled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50 lbs., and will yield 50 tons per acre. Very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c. Not prepaid, 5 lbs. at 45c per lb.

**GIANT HALF SUGAR MANGEL.**—A hybrid or cross between the Mammoth Long Red and Sugar Beet, and for our own feeding we have found it superior to either. Being sweeter, both cattle and hogs relish them greatly. As heavy a yielder as the mangels and equally as smooth. Per oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c. Not prepaid, 5 lbs. or more at 50c per lb.

**GOLDEN TANKARD.**—It is stated by English Dairy Farmers they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but this is of a rich, deep yellow throughout. Early, hardy, a heavy cropper, and on account of shape the roots can grow close in rows. Oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 90c. Not prepaid, 5 lbs. or more at 75c per lb.

**KLIEN-WANZLEBEN SUGAR BEET.**—Cultivated for beet sugar factories, yields fifteen to twenty per cent of sugar. Roots of shape shown in our illustration, straight, tapering evenly and somewhat screw shape. Our seed is from beets which were tested as to per cent of sugar before setting out. The sugar makes it of great value for feeding. Per oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 90c. Not prepaid, 5 lbs. or more at 75c per lb.

**LANES IMPERIAL SUGAR BEET.**—Largest sugar beet and the one usually grown for stock feeding. Yields heavy tonnage of beets with high percentage of sugar. Per oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 90c. Not prepaid, 5 lbs. or more at 75c per lb.

KLEIN WANZLEBEN

SEND FOR CIRCULAR TELLING HOW TO GROW AND STORE MANGELS AND OTHER ROOTS. MAILED FREE ON REQUEST.



## CABBAGE

(One ounce will produce about 3,000 plants. Set 8,000 to 10,000 plants per acre, of early sorts, and 6,000 of large, late kinds.)

No vegetable is of greater importance than cabbage, and compared with the cost of seed, there is more money in growing cabbage than other crop. It does not pay, therefore, to take any risk in buying seed. We have had our cabbage seed grown by the same growers for about twenty years past, and it has proven of uniformly excellent quality, so that we pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hotbeds about six weeks before time to set out the plants in the field or garden. Transplant to rows three feet apart. Our packets contain about 800 seeds. Slug Shot and tobacco dust are used to kill insects and worms.



EXTRA EARLY EXPRESS

### EARLY VARIETIES

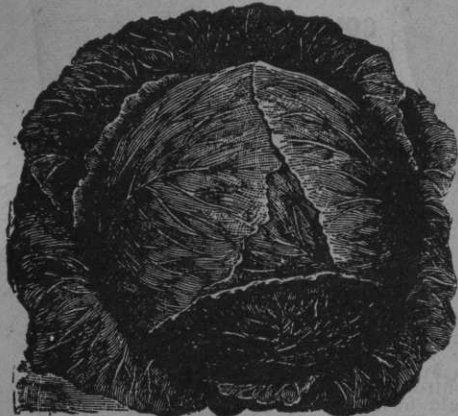
**EXTRA EARLY EXPRESS.**—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for gardeners. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**BURPEE'S ALL-HEAD EARLY.**—This is the earliest of the flat-headed cabbages, of larger size than early varieties generally, of perfect shape and it makes exceptionally solid heads. It was originated by the late C. L. Allen, of Long Island, N. Y., but named by Mr. Burpee, who purchased the first crop and gave it his name. Our seed is grown from the original stock so that we have as good stock as can be purchased. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.



**EARLY JERSEY WAKEFIELD.**—Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is highest quality, American grown. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

**NEW WASHINGTON WAKEFIELD.**—A grand variety, a trifle later than Jersey Wakefield; produces much larger heads, of perfect pyramidal shape, very solid, with few outside leaves. One cabbage grower, who is enthusiastic in its praise, says, "It is first in head, first in market, and first in the hearts of gardeners." It grows remarkably uniform, heads are of even size and shape. Unequaled for market or family garden. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.



COPENHAGEN MARKET



ALL HEAD EARLY

**COPENHAGEN MARKET.**—A splendid new early flat head cabbage. Matures as early as Jersey Wakefield, has few leaves and is remarkably hard and solid. Grows compact, takes but little room and farms before offering it to our trade. We recommend it without reservation. A carefully bred variety from Denmark. Both type and quality are thoroughly fixed. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.15, lb. \$3.50.

**HENDERSON'S SUCCESSION.**—An excellent variety of large size and with flat head maturing in midsummer. It can be brought to perfection in the hottest weather or used as an autumn or winter crop. Heads 10 or 12 inches in diameter, frequently larger, average about 12 lbs. Many varieties are offered as a second early cabbage but we believe the Succession will prove first in general excellence. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.75.

## FROST PROOF CABBAGE PLANTS

Grown from fall planted seed, off the coast of South Carolina. Produced in open fields, in winter so that they grow slowly and become hardened to cold and slight frost. Can be set out in spring much earlier than hot bed or greenhouse plants and you can really have cabbage two weeks ahead of ordinary plants by the use of the frost proof stocks. These will be mailed direct from the growers to you. Will reach you at proper time for planting and cost is very low.

Early Jersey Wakefield, per 100, 50 cents; 500 for \$2.00, postpaid.

Washington Wakefield, per 100, 50 cents; 500 for \$2.00, postpaid.

Henderson's Succession, per 100, 50 cents; 500 for \$2.00, postpaid.



HENDERSON'S SUCCESSION

YOU ARE CERTAIN TO HAVE GOOD CROPS OF FINE CABBAGE IF YOU PLANT OUR SEED. WE SELL NONE BUT THE BEST



SHORT STEM DRUMHEAD

## LATE VARIETIES

**IOWA SEED CO.'S SHORT-STEM DRUM-HEAD.**—Our improved and selected strain which has greatly pleased thousands of our customers in the past. For sureness in heading regularity of growth, and even, large, solid heads, it far surpasses any other strain of late cabbage, ripening evenly, with very short stem or stalk, and large, thick heads of silky fine quality and best keeping properties. Almost all head and always sure to head. It grows the largest head of any cabbage in our list and is the best for winter use. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$2.70.

**PREMIUM FLAT DUTCH.**—This old and well known variety is still the standard winter kind. Heads are large, solid and it is a first-class keeper. Our strain of this cabbage is given extra care in selection to maintain its even type and sure heading quality. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$2.70.

**ALL SEASONS.**—(Vandergaw)—A medium early variety, but quite hardy and may be planted in mid-summer for late cabbage, hence its name. If used as a summer cabbage handle like any early sort and matures with succession. It grows to large size quickly, reaching 15 lbs. in weight. As fall cabbage, however, it gives best results. Plants set in fields July 15th mature very large, solid heads in September, and may be used any time thereafter. Will keep for winter use if left standing in the fields until after frost. Heads are compact, solid and of fine texture, an excellent sort for kraut. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.50, lb. \$4.00.

**SUREHEAD.**—This popular cabbage is rightly named Surehead and never fails to make a remarkably fine, solid, large head with few outer leaves. Strong, vigorous grower; ripens late. First-class main



SUREHEAD

## CABBAGE

## CHINESE CABBAGE

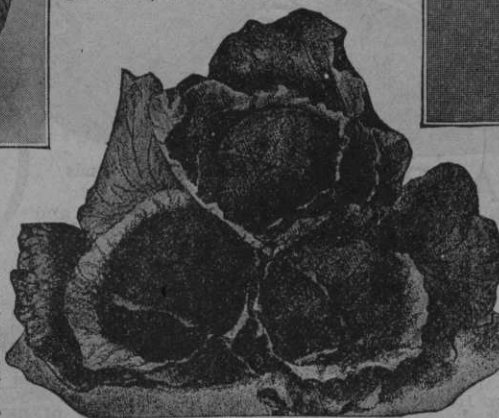
**PE TSAL.**—Produces a long top or head 12 to 15 in long, and 4 to 5 in. in diameter, which blanches to a beautiful clear white. Sow in hot beds for early or treat as late cabbage for winter use. This was originally imported from China. It resembles in growth Romaine or Cos Lettuce. The leaves are large, have broad ribs and are exceedingly tender. Has only become known in the last few years, but its excellence has created for it a large demand. The immense heads frequently weigh as much as six pounds. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.75.



CHINESE CABBAGE

## IMPROVED DANISH BALLHEAD, or Hollander.

—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They grow it almost exclusively for winter cabbage. Heads round, good sized, solid and very fine grained. Has but few outer leaves. A good keeper, tender and crisp, with little waste heart. We import our seed of this sort from Denmark. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$2.70.



DANISH BALL HEAD



FLAT DUTCH

crop sort. Is of the Flat Dutch type but heads are somewhat rounded in form. Equal to that well known sort in keeping qualities. Specimens have been grown to weigh over 30 lbs. but under ordinary conditions weigh 12 to 18 lbs. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

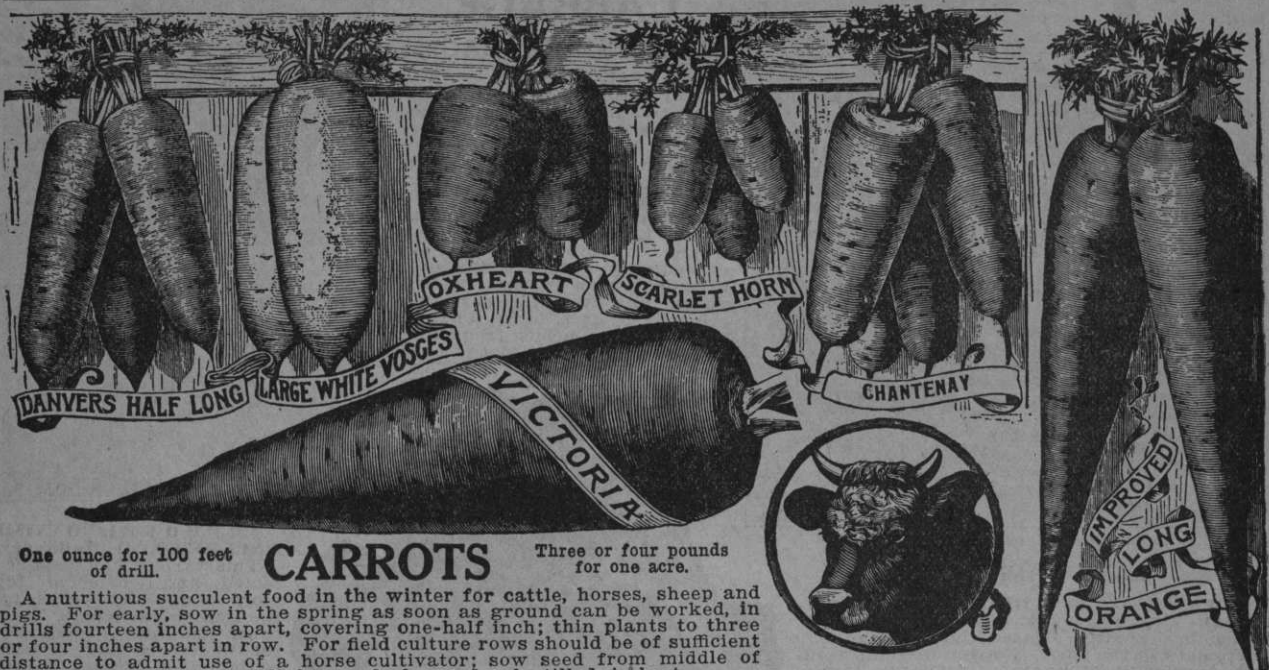
**PERFECTION DRUMHEAD SAVOY.**—Has curled and crumpled leaves and is of finer flavor and quality than ordinary cabbage. Planted and grown as ordinary late or autumn cabbage. Our strain is sure header and is the best variety of this type. Heads are large and solid and will make a good crop. For salads and kraut the Savoy will give a richer flavor than common kinds. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**MAMMOTH RED ROCK.**—Is the largest of the red cabbages, solid, heavy, and a good keeper. Color is rich dark red so desirable for pickling uses. Heads are solid and weigh 10 to 12 lbs. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



PERFECTION DRUMHEAD SAVOY





One ounce for 100 feet  
of drill.

## CARROTS

Three or four pounds  
for one acre.

A nutritious succulent food in the winter for cattle, horses, sheep and pigs. For early, sow in the spring as soon as ground can be worked, in drills fourteen inches apart, covering one-half inch; thin plants to three or four inches apart in row. For field culture rows should be of sufficient distance to admit use of a horse cultivator; sow seed from middle of April to first of June. A light, sandy loam, deeply tilled, is best.

**EARLY SCARLET HORN.**—Favorite extra early variety. Very early. Orange-scarlet, fine grained, and agreeable flavor. Top small, short, stump-shaped root; grows well in shallow soil. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

**OXHEART, or Guerande.**—Most valuable variety in existence. Intermediate between Half-Long and Horn sorts; diameter 3 to 4 inches at neck; beautiful shape; rich orange color. Easily pulled, early as any, best quality all season. Has yielded 1,200 bushels per acre. Cut tops with scythe; pull with potato hooks. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.00.

**DANVERS.**—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. Rich, dark orange color, large size, smooth and flesh of very close texture with little core. A first-class carrot for all soils. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.00.

**CHANTENAY.**—Most desirable early variety for bunching and, although a trifle later than the first earlies, will yield so much handsomer roots and larger crop that everyone is

pleased with it. Splendid variety for market or feeding purposes. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

**IMPROVED LONG ORANGE.**—Desirable for garden or field. Grows to large size, averaging 12 inches in length and 3 inches in diameter at the top. This is the standard long variety, preferred to Victoria by some because of its deeper orange color. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.00.

**VICTORIA.**—Largest carrot grown, heaviest cropping and most nutritious; roots remarkably fine, light orange, symmetrical, excellent quality, of high feeding properties; good keeper; grows half as much weight again per acre as other sorts; grows well out of ground; easily harvested. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 80c.

**LARGE WHITE VOSGES, or Improved Short White.**—A stock variety which is enormously productive and easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. 80c.

## CELERY

One ounce will produce  
about 6,000 plants.

For first crop sow early in hotbeds, or in boxes in the house, in rich, moist soil, covering seed very lightly. For main crop sow in open ground in April. If the weather is hot and dry protect with light covering of hay or straw.

Stir soil when plants are well up; thin out and transplant. For main crop set out between June 15th and July 15th, in rows 3 feet apart and 6 inches apart in the row. Firm the earth well when setting and they will root better. Keep clear of weeds.

**WINTER QUEEN.**—Finest dwarf celery and a popular sort. Stalks are large and heavy, of even growth and good length. Quality is excellent and it blanches readily with but little trouble. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.

**GOLDEN SELF-BLANCHING.**—By far the most popular sort; of medium earliness and dwarf, compact habit, with thick, solid, heavily ribbed stalks which blanch easily to a clear, waxen yellow. Grown in rich, moist soil, the stalks are numerous and large, with a solid heart of beautiful yellow. French Grown Seed, pkt. 15c, oz. \$1.00,  $\frac{1}{4}$  lb. \$2.50, lb. \$8.00. American Grown Seed, pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$1.75, lb. \$4.00.

**WHITE PLUME.**—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with twine. More used than any. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00.

**GIANT PASCAL.**—A late variety of superior keeping qualities. Very large, solid and crisp; a rich, nutty flavor. Blanches easily. The heart is golden yellow and very attractive. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 75c, lb. \$2.00.

**GIANT PRAGUE CELERIAC.**—Instead of producing long leaf stalks like ordinary celery it has a turnip-like root with true celery flavor. Used in soups, stews and for all culinary purposes in place of ordinary celery. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00.

**NEW ROSE.**—A self blanching type which attains a soft rosy pink shade when ready for use. Very attractive and of excellent quality. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.



WINTER QUEEN



GIANT PRAGUE CELERIAC

## CAULIFLOWER

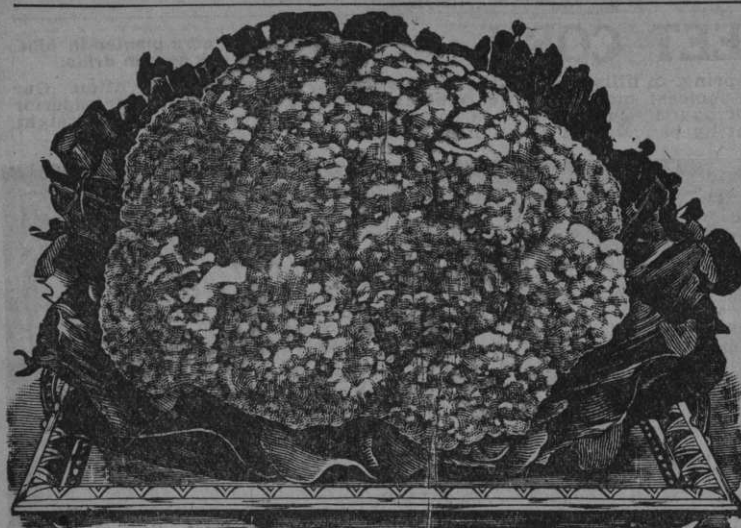
(One ounce will produce about 3,000 plants.)

One of the most delicious of vegetables. Requires similar treatment to cabbage. Does not head well during the hottest weather in summer. Sow the seed early for an early crop and again in June or July for late heads. Our Cauliflower seed is grown in Denmark and is the best produced anywhere.

**HENDERSON'S EARLY SNOWBALL.**—Considered the earliest and more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice, and cannot be excelled. We believe it to be the best in the world. Pkt. 20c,  $\frac{1}{4}$  oz. 75c, oz. \$2.50.

**DANISH GIANT, or Dry Weather Cauliflower.**—A strong competitor for first place. Heads extra large, pure white and very solid. Has large leaves which protect the head. About 10 days later than Snowball, but has proven more desirable for growing in open ground and does well in dry seasons when other varieties show failure, keeping plump and fresh during the hottest, driest weather. Pkt. 20c,  $\frac{1}{4}$  oz. 75c, oz. \$2.50.

**EXTRA EARLY DWARF ERFURT.**—Is valuable for forcing. A very popular variety. First quality. Pkt. 20c,  $\frac{1}{4}$  oz. 75c, oz. \$2.50.



HENDERSON'S SNOWBALL CAULIFLOWER.

## CHERVIL

(An ounce will sow 100 feet of drill.) Leaves used in soups and salads. Have a pleasant aromatic taste greatly liked. Cultivate like parsley. Pkt. 10c, oz. 25c.



CHERVIL

## COLLARDS

(One oz. for about 3,000 plants.)

Collards are very largely used as "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage.

**GEORGIA.**—The most satisfactory variety for general use. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 60c.



UPLAND CRESS

## CRESS

**EARLY CURLED.**—A well known salad. Sow at intervals all season. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c.

**TRUE WATER.**—Sow seeds along the running water. Pkt. 10c, oz. \$1.00.

**UPLAND CRESS.**—A perennial sort; hardy; produces well; same flavor as Water Cress. Grown on high, dry land; does not seed soon. Pkt. 10c, oz. \$1.00.

## COLLECTION OF ODD VEGETABLES

Persons exhibiting at fairs should grow some to help make attractive showing. Have something different.

**BRUSSELS SPROUTS.**—See page 1. Pkt. 10c.

**CHUFAS, or Earth Almonds.**—(See right hand column, this page.) Pkt. 10c.

**CHINESE CABBAGE.**—See page 7. Pkt. 10c.



COTTON

**FRENCH SORREL.**—Grown for and used as "greens." Pkt. 10c.

**GARDEN HUCKLEBERRY.**—(See description and illustration on page 13.) Pkt. 10c.

**GOURDS, Ornamental Mixed.**—Pkt. 5c.

**GROUND CHERRY.**—(See description on page 13.) Pkt. 10c.

**KOHL RABI.**—(Illustrated on page 13.) Per pkt. 10c.

**MARTYNIA.**—Also called "Devil's Claw" and "Unicorn Plant." Ornamental plant, bearing beautiful flowers which are succeeded by large seed pods which when young are fine for pickling. Pkt. 10c, oz. 30c.

**OKRA, or Gumbo Plant.**—(Description on page 22.) Per pkt. 10c.

**ORNAMENTAL MICE.**—Vegetable curiosity; bears small, neat, oval fruits, completely covered with long, light green spines or hairs. Pkt. 10c.

**POMEGRANATE.**—Ornamental little fruit, commonly grown in gardens a century ago, but now rarely seen. It grows on a pretty vine; fruit is round, yellow, and irregularly striped with orange, red or mahogany; fragrant; a specimen will perfume a room many days. Pkt. 10c, oz. 25c.

**SWISS CHARD.**—Illustrated on page 4.) For beet greens. Pkt. 10c.

**VINE PEACH.**—(For description see page 13.) Pkt. 10c, oz. 25c.

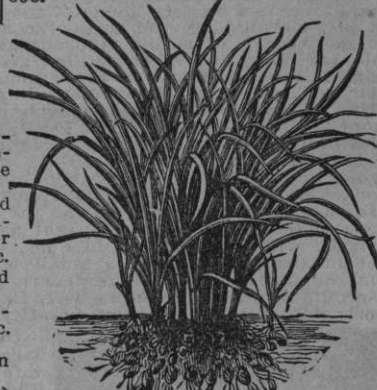
**17 PACKETS, POSTPAID, \$1.25.**



MARTYNIA

## CHUFAS

A nice little ground nut greatly liked by children. Its flavor resembles the cocoanut. Very prolific, a single one yielding 200 to 400 nuts growing just under the ground and easily reached by pigs and poultry if they have access. Grow best in light, sandy soil, well fertilized. Plant in April, 10 inches apart, in  $2\frac{1}{2}$ -ft. rows. Cover lightly. Soak seed before planting if very dry. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 35c.



CHUFAS

## CHICORY

**LARGE ROOTED.**—Used as a substitute for coffee. Cultivated the same as carrots. Take up roots in the fall, cut in small pieces and let dry. When wanted for use it is roasted and ground like coffee. Pkt. 10c, oz. 40c.



CORN SALAD

## CORN SALAD

Nice winter salad. Sow in September in drills. Cover in fall with straw or leaves. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

THERE ARE MANY INTERESTING ITEMS OFFERED ON THIS PAGE, AND ALSO MANY THAT ARE REALLY VALUABLE.

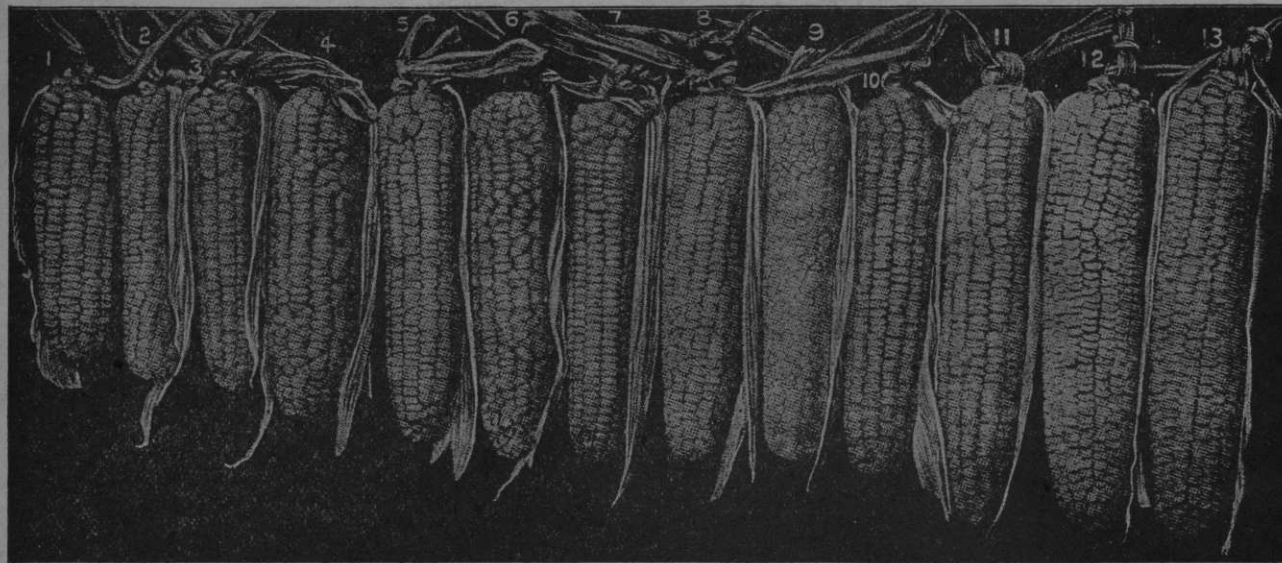


One pound will plant five hundred hills of four grains. Packets contain about 2 ozs.

## SWEET CORN

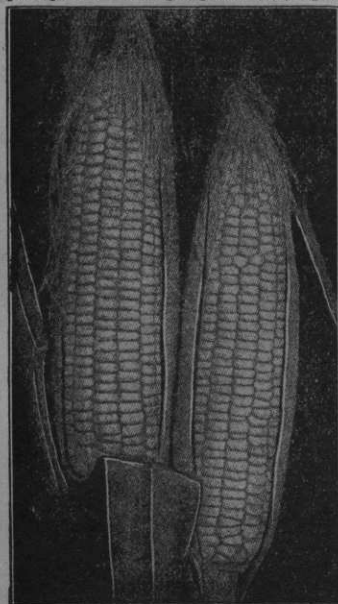
Seven pounds for an acre planted in hills, Fifteen pounds per acre in drills.

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being selected for seed. It is far superior to ordinary stock. We pay postage by the packet or pound. Quantities of three pounds or more go by express or freight at customer's cost for transportation or will be sent by parcel post if you send postage. See page 13.



**IMPROVED GOLDEN BANTAM.**—(See cut No. 1.)—This handsome new variety is one of the most delicious of all and it is generally believed to be the richest in flavor. Is extremely early, of hardy, vigorous growth, so that it can be planted quite early. The stalks grow only about four feet high but they bear two or three good ears six to eight inches long, of handsome yellow color. In flavor it is quite distinct from the white sorts and some have called it as sweet as honey. Give it a trial. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 35c, postpaid. Not prepaid any quantity at 25 cents per pound.

**EARLY SUNRISE.**—(No. 5.)—Is a splendid new variety which we introduced. It is undoubtedly the best extra early corn for either private gardens or the public market. The ears are long, well filled out at the end, and husk covering so completely and being so tight as to prevent working of worms, which are so bad in Cory. Grains fairly deep and set in straight rows on a small white cob; very uniform and handsome. Market gardeners will find Early Sunrise a profitable and satisfactory sort. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 30c, postpaid. Not prepaid, any quantity at 20 cents per pound.



EARLY SUNRISE

**PEEP O' DAY.**—(See cut No. 2.)—Of Minnesota origin, five to seven days earlier than other kinds. The ear is five inches long, of perfect form, and well filled. The corn is tender and sweet. On our place it matured with Early Sunrise and is similar to it in many respects. You will make no mistake in planting some of it for first early. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 30c, postpaid. Not prepaid, any quantity at 20 cents per pound.

**EXTRA EARLY CORY.**—(White Cob.)—(No. 3.)—This was for years the most popular variety with market gardeners for first early until the introduction of Early Sunrise. Dwarf growth and yields well. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 30c, postpaid. Not prepaid, any quantity at 20c per pound.

**EARLY MINNESOTA.**—(No. 7.)—A standard variety. Has held its position in the list for a long period of years as a dependable sort. Ears of good size and well flavored. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 35c, postpaid. Not prepaid, any quantity at 20 cents per pound.

**CHAMPION EARLY.**—(No. 6.)—Earliest large corn ever introduced, maturing only a few days later than the small eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pure white kernels with white cob, very sweet and tender, usually producing two ears to the stalk. Unsurpassed for market gardening or family garden owing to its large size and fine appearance. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 20 cents per pound.

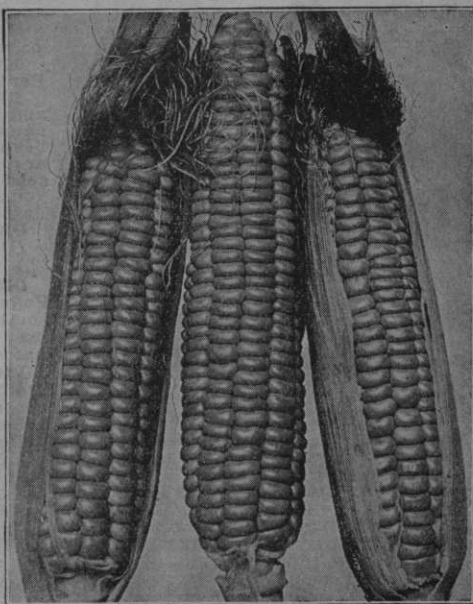
**EVERGREEN SWEET FODDER.**—Preferred for the production of feed for live stock. See page 48. By express, not prepaid, 3 lbs. 50c, 10 lbs. \$1.25. See red ink price list.

*I have planted your seeds for several years. My neighbors often compliment my garden. Will always speak a good word for your seeds.*—Mrs. Harry D. Aldridge, Stanford, Ky.

*I was very much pleased with your seeds, both last year and the year before, and expect to succeed with them this summer.*—Mrs. J. J. Kindle, Metuchen, New Jersey.

*I have been ordering garden seed from you for several years and have had no occasion to complain with results obtained in any case.*—H. H. Howard, Canton, Missouri.

*I have bought my garden and flower seeds from you for several years. They have always given satisfaction every packet is true to name, and are large and well filled.*—Mrs. T. W. Humphries, Nanafalia, Alabama.



GOLDEN BANTAM

WE OFFER OUR CUSTOMERS THE CHOICEST STOCKS OF SWEET CORN AT VERY LOW PRICES. QUALITY CONSIDERED.

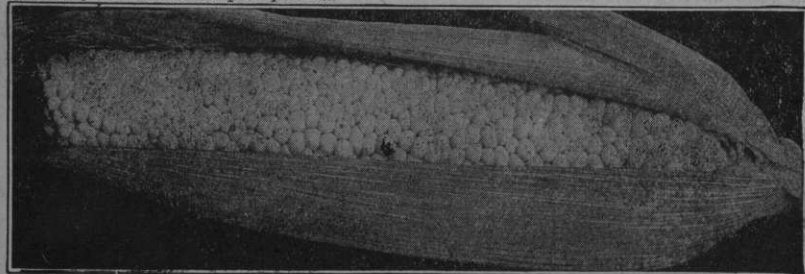
## SWEET CORN--CONTINUED

**PHARAOH'S DREAM.**—(No. 11.)—"And Pharaoh slept and dreamed. . . and behold seven ears of corn came up, upon one stalk, rank and good."—Genesis 41:5. The most productive variety of sweet corn ever sent out. So frequently produces seven ears to the stalk it has been aptly named "Pharaoh's Dream." Ears are large and would sell for Stowell's Evergreen. Produces better when only one or two grains are planted in a hill. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 30c, postpaid. Not prepaid, any quantity at 20 cents per pound.

**IMPROVED STOWELL'S EVERGREEN.**—(No. 12.)—The most prominent main crop sort and more largely planted than any other, being a general favorite with canners and market gardeners for late use. The ears are large size. The grains are deep, exceptionally tender and remain a long time in an edible condition. The dried kernels are shriveled so much that they readily show its unusual sweetness. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 30c, postpaid. Not prepaid, any quantity at 20 cents per pound.

**COUNTRY GENTLEMAN.**—(No. 9.)—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single ear shows its habit of growth; produces 3 to 5 ears to a stalk. In this, coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is small, giving great depth to the kernels, which are pearly white and we cannot say too often—surpassingly sweet and tender. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 35c, postpaid. Not prepaid, any quantity at 25 cents per pound.

**GOLDEN EVERGREEN.**—(Cut No. 13.)—Combines the size of ear of the Evergreen type with the color of the Golden Bantam. The ears are 6 to 8 inches long, well filled with very deep kernels of rich yellow color. In quality it is fully equal to the famous Golden Bantam. Some growers maintain that it is superior in flavor and sweetness to any other. Will be appreciated because of sweetness. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 25 cents per pound.



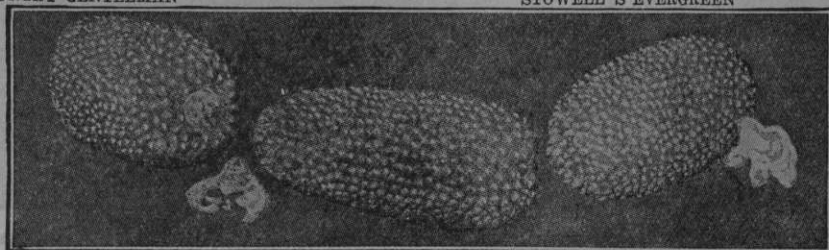
COUNTRY GENTLEMAN



STOWELL'S EVERGREEN



PHARAOH'S DREAM



AUSTRALIAN HULLESS

## POP CORN FOR SEED

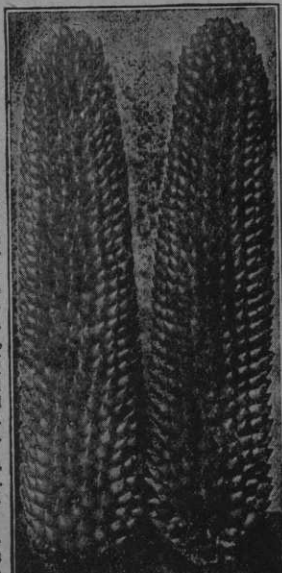
It pays to raise pop corn as a general crop. The demand usually exceeds the supply. Some farmers claim it is as easily grown as field corn and they receive three or four times the amount per acre for the crop. Let the children try a patch.

**AUSTRALIAN HULLESS.**—Dwarf-growing and heavy yielding of attractive ears, peculiar in form, being nearly as thick as long. Kernels are similar to White Rice, only longer and slimmer and pearly white in color. Its crowning merit lies in its popping quality, fine flavor and absence of hull or shell when popped. Grown extensively for market and commands the highest price and most ready sale. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 50c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**MONARCH WHITE RICE.**—This is our own strain of large rice pop corn and has been bred up to wonderful productiveness. Bears three to six ears per stalk and yields 1,800 to 2,500 lbs. per acre. Grain is large and pops to great size. Pkt. 5c,  $\frac{1}{4}$  lb. 15c, lb. 40c, 3 lbs. \$1.10. Not prepaid, any quantity at 25 cents per pound.

**QUEEN'S GOLDEN.**—In size like Monarch White Rice, but grains are smooth, flinty and bright orange yellow. Has a golden appearance when popped. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid.

**MINIATURE.**—The smallest pop corn grown. Splendid quality; pops very tender. Listed by some dealers as hulless, but it differs as its shape is more like Monarch White Rice. Pkt. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.



MONARCH WHITE RICE

WE GIVE PARTICULAR CARE AND ATTENTION TO THE PRODUCTION OF SEED SWEET CORN OF THE HIGHEST QUALITY.



## CUCUMBER

(One ounce plants 50 hills, two pounds one acre.)

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past thin to four strong plants in a hill. For pickling, plant in June. Sprinkle vines with plaster or air-slaked lime, or use Slug Shot, to protect them from bugs.



### EARLY EXPRESS

**EARLY EXPRESS.**—It is truly a desirable cucumber. In size it equals the ordinary types, while it is by all odds the earliest variety in existence. The quality is of the best. It is free from any rank, strong flavor at any time. Equally good for pickling or slicing and we recommend it. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.



**IOWA STANDARD.**—The handsomest of long green varieties. Color is beautiful dark green, and they do not turn yellow with age. Fruits measure 12 to 15 inches in length and are smooth and symmetrical. Flesh is firm, crisp, white, and the flavor is most excellent. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**IMPROVED CHICAGO PICKLE.**—Medium in size, dark green in color when young. A variety originated by a pickle grower near Chicago; is considered the best variety there; very prolific; matures early, produces immense number of fine shaped pickles. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$1.50.

**EARLY CLUSTER.**—Slim form. Extra prolific, frequently setting in clusters of two and three. Fine for small pickles. If fruit is kept gathered, the vines will continue in bearing. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**WHITE WONDER.**—A large, long fruited variety of beautiful ivory white color, which it retains during the whole period of growth. Strong and vigorous growth and very prolific. Quality is really superior, being crisp and tender, with small seeds. We believe it will be more popular than Long Green when better known. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.60.

**LEMON.**—As will be noticed from our illustration, it is round and about the size of a baseball. The fruits are produced in great profusion. Used for slicing or sweet pickling as any ordinary variety of cucumber, but have a flavor peculiarly their own; superior to any, being crisp and tender and having none of the bitter taste found in some varieties. Of best quality. Desirable for use as mangoes. Pkt. 10c, oz. 25c.



LEMON CUCUMBER.



PERFECT WHITE SPINE

**PERFECT WHITE SPINE.**—This improved strain is pronounced by good judges superior to all others. Fruit even, good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive and keeps a long time. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

SEE OUR OFFER OF CHOICE GARDEN FRUITS FOR PICKLING OR PRESERVING, OFFERED ON NEXT PAGE.



IMPROVED LONG GREEN

**JAPANESE CLIMBING.**—The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils, enabling it to climb trellis, wire netting, brush or any other suitable support. It is of large size, cylindrical, flesh pure white, skin dark green, turning to brown and netted when ripe. Fine for slicing. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**IMPROVED LONG GREEN.**—A standard sort. Vine vigorous and productive, forming fruit for the table nearly as early as shorter sorts. Produces very fine, firm fruit about 12 inches long. See illustration. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**ROLLISON'S TELEGRAPH.**—An English forcing variety bearing fruits 14 to 16 inches long. Dark green, smooth, and of perfect shape. Much used and greatly liked by market gardeners for hotbed and greenhouse growing in winter and early spring. Pkt. 15c.

**WEST INDIA GHERKIN, or Burr.**—This is a peculiar shaped, very small variety of cucumber which makes a handsome pickle of first-class quality. When ready it is about as large as an English walnut, partly covered with spines, from which it takes the name "Burr" cucumber. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c.

**DAVIS PERFECT.**—See Thrift Collection, page 34. Everyone who see the crop say they never saw anything to equal it. Dark, glossy, green, slim and symmetrical, with an average length of 10 to 12 in. When ripe they turn white without yellow. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.



DAVIS PERFECT

# SEEDS BY PARCELS POST

Customers are urged to use the Parcels Post. We return Excess Postage.

## BE SURE AND ADD ONE POUND ADDITIONAL TO COVER WEIGHT OF PACKING

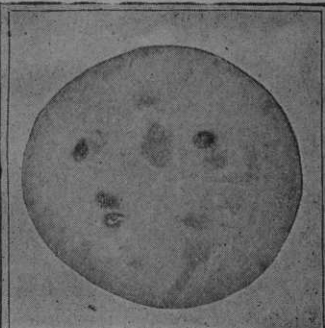
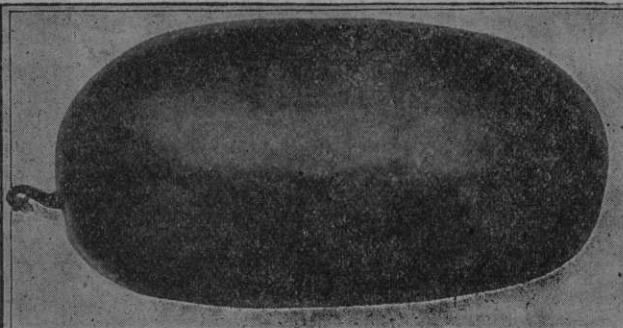
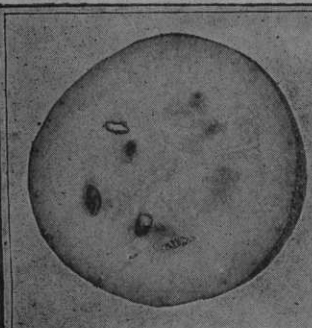
Many of our friends will prefer to have their seeds come by parcel post rather than by express. There is not much difference in the cost of transportation by these two methods, but if you want the seeds to come by mail you must send postage, because it must be prepaid. We submit herewith a table showing the postage per pound to each state. This is figured in the way to be most easily understood by our friends. The only thing to remember is to add one pound over the actual amount of seeds you order to cover the weight of packing. For example, you live in Alabama and you order three pounds of Gradus peas by parcel post. You will add 24 cents to the price quoted in the catalogue. If you live in Illinois and want 15 lbs. of peas by parcel post, add 64 cents to the price in the catalogue.

If the postage you send is more than is necessary the surplus will be returned to you inclosed in a small envelope within the package. If you do not send postage we will take it for granted you want the goods forwarded by express or freight.

Remember that we pay the postage on garden seeds ordered by the packet, ounce, quarter pound or pound, no matter what the cost, but on larger quantities postage must be added if we are to send them by mail.

**OUR POSTAGE RATE FROM DES MOINES TO ALL IOWA POINTS IS ONE CENT PER POUND.**

STATE	Postage Per Lb.	STATE	Postage Per Lb.
Alabama .....	6 cents	Missouri .....	4 cents
Alaska .....	12 cents	Montana .....	8 cents
Arizona .....	8 cents	Nebraska .....	4 cents
Arkansas .....	4 cents	Nevada .....	8 cents
California .....	10 cents	New Hampshire .....	8 cents
Canal Zone .....	12 cents	New Jersey .....	8 cents
Colorado .....	6 cents	New Mexico .....	8 cents
Connecticut .....	8 cents	New York .....	8 cents
Delaware .....	6 cents	North Carolina .....	8 cents
Dist. Columbia .....	6 cents	Ohio .....	6 cents
Florida .....	8 cents	Oklahoma .....	4 cents
Georgia .....	6 cents	Oregon .....	10 cents
Guam .....	12 cents	Pennsylvania .....	6 cents
Hawaii .....	12 cents	Porto Rico .....	12 cents
Idaho .....	8 cents	Rhode Island .....	8 cents
Illinois .....	4 cents	Samoa .....	12 cents
Indiana .....	4 cents	South Carolina .....	6 cents
Kansas .....	4 cents	South Dakota .....	4 cents
Kentucky .....	6 cents	Tennessee .....	6 cents
Louisiana .....	6 cents	Texas .....	8 cents
Maine .....	8 cents	Utah .....	8 cents
Maryland .....	6 cents	Vermont .....	8 cents
Massachusetts .....	8 cents	Virginia .....	6 cents
Mexico .....	12 cents	Washington .....	10 cents
Michigan .....	4 cents	West Virginia .....	6 cents
Minnesota .....	4 cents	Wisconsin .....	4 cents
Mississippi .....	6 cents	Wyoming .....	6 cents



## Canning Club Vegetable Collection

EIGHT CHOICE GARDEN FRUITS FOR PICKLING, PRESERVING AND CANNING.

One Packet of each, sufficient for the ordinary garden, postpaid, only 50c.

**Ground Cherry** **IMPROVED YELLOW.**—Each year adds to the popularity of this little fruit which we introduced. They grow well on almost any dry soil, are easier raised than the tomato, are prolific bearers and oh! what luscious fruit. For sauce or pies they are excellent. They make delicious preserves and when dried in sugar are much better than raisins for cakes or puddings. Will keep in the husk, in a cool place, nearly all winter. Pkt. 10c; ½ oz. 25c; oz. 40c.

**Garden Huckleberry** When this was first offered to us we had little confidence in it, but after growing it we recommend it to our customers. It belongs to the Solanum family (Solanum Nigrum), which is the same class botanically as tomato, egg plant, and potato. Fruit is non-edible and by some considered injurious when green. When ripe they are about one-half inch in diameter, of shining black color and make delicious pies, preserves and jam. Pkt. 10c.

**Apple Pie Melon** A large citron melon of superior quality. See page 18 for description. Illustrated above. Pkt. 10c.



Branch From Plant  
Improved Yellow  
Ground Cherry

**Vine Peach** Introduced by us. Grow on a vine similar to the musk melon, and require the same cultivation. Fruit about the size of a large peach, oval shaped, and a bright orange yellow color, somewhat russety. For sweet pickles, pies or preserving they are superb. A glass jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Wonderfully prolific. Pkt. 10c, oz. 30c; ¼ lb. 75c.



GARDEN HUCKLEBERRY

**American Mammoth Dill** Popular annual herb used in pickling. Easily grown. Cut tops when ripened and dry. Keeps indefinitely! Pkt. 10c.

**Lemon Cucumber** A true cucumber. Vines are prolific and fruits are splendid for sweet or sour pickles. Fine containers for picilli or stuffed pickles. Pkt. 10c; oz. 25c.

**Golden Nugget Tomato** Best of the preserving tomatoes. Round in shape, bright yellow in color, and about the size of a hulled black walnut. Are large enough for table use, but are preferred for pies or preserves. Wonderfully prolific. Per packet 10c; oz. 75c.

**Pimento Pepper** Medium to large size, and suitable for making green pepper pickles, and to chop up for mixed pickles of any kind requiring peppers. The mildest of all. Splendid as a container for salads, since it is readily eaten in its natural state, either green or ripe. Per packet 10c.



## EGG PLANT

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground, two feet apart.

**IMPROVED NEW YORK.**—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white, of excellent quality. Very productive. Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00.

**BLACK BEAUTY.**—The earliest variety in existence, being much earlier than the above. Pkt. 15c, oz. 65c,  $\frac{1}{4}$  lb. \$2.25.

## ENDIVE

(One ounce will sow about 60 sq. ft.)

Preferred to lettuce by many. Should be more largely used. One of the best and most wholesome salads for fall and winter. Sow in April for early; in June or July for winter. When 8 inches long tie together with a string near the top to blanch.

**BATAVIA.**—Has smooth leaves and makes a handsome plant. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**GIANT FRINGED.**—Also called winter lettuce. The best of all. Strong, vigorous grower, making large white heart; leaves are beautifully curled, and of best quality. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

## GOURDS

Cultivate like cucumbers; they may be trained over lattice work, fences, etc.

**JAPANESE NEST EGG.**—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and make the very best nest eggs, as they do not crack. Pkt. 10c, oz. 20c.

**DIPPER.**—Makes a light, convenient dipper. Dippers of various sizes of a capacity from a pint to a quart and a half, can be had from a few vines. Pkt. 10c, oz. 25c.

**SUGAR TROUGH.**—Very large and strong grower. For buckets, etc. Pkt. 10c, oz. 25c.

**LUFFA, or Dishcloth.**—Has a peculiar lining, which is sponge-like, porous, tough, elastic and durable, making a natural dishcloth or sponge. Start early. Pkt. 10c, oz. 25c.

**HERCULES' CLUB.**—Grows to immense size—4 to 5 ft. in length. Pkt. 10c, oz. 25c.

**MIXED UTILITY.**—Seeds of the above mixed. This is a very popular item with our customers. Really useful in many ways. Easily grown. Pkt. 5c, oz. 20c.

## GROUND CHERRY

**IMPROVED YELLOW.**—A delicious garden fruit fully described and illustrated on page 13 of this catalogue, where it is offered as one of the items of our Canning Club Collection. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c.

## GARDEN HUCKLEBERRY

We recommend it to our customers. Fully described among the items in our Canning Club Collection on page 13. Pkt. 10c.

## KALE

**EXTRA CURLED MOSSBACK.**—A most attractive variety; fine crimped leaves, light green; fine for garnishing. Best cooking. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**DWARF GERMAN GREEN, or Siberian.**—A very popular variety. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

## KOHL RABI

Try Kohl Rabi this year. It is a most excellent vegetable, intermediate between the cabbage and turnip. Cultivate like cabbage.

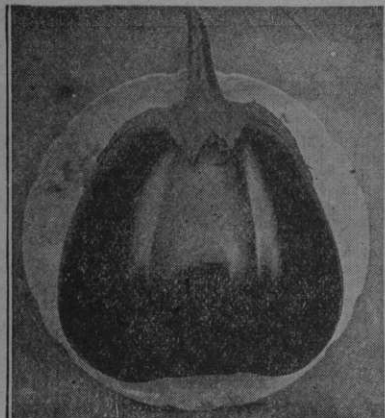
**GOLIATH PURPLE.**—A new sort of immense size, solid and sweet. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**EARLY WHITE VIENNA.**—The flesh is white and tender and it is a good market sort. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

## LEEK

Sow seed thinly in drills early in spring; thin out to stand six inches apart in the row. Early in the fall draw earth up about the stems as you would blanch celery.

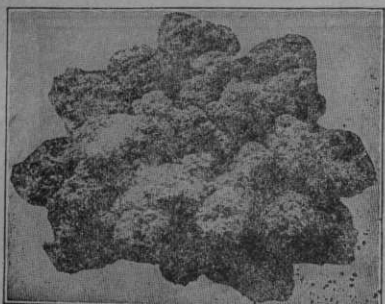
**LARGE ROUEN.**—Largest and most uniform sort. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25.



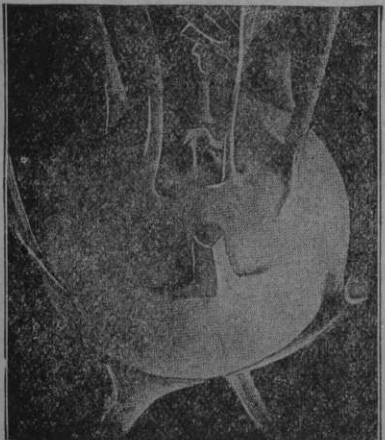
BLACK BEAUTY EGG PLANT



BATAVIA ENDIVE



EXTRA CURLED MOSSBACK KALE



WHITE VIENNA KOHL RABI



NEW YORK EGG PLANT

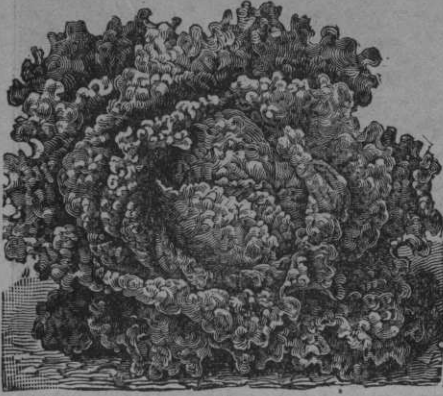


DIPPER GOURD



LARGE ROUEN LEEK

# LETTUCE



BLACK SEEDS SIMPSON

(One ounce will sow 100 feet of drill.)

There are four recognized types of lettuce. The curled leaf open type includes such well known sorts as Grand Rapids, Early Curled Simpson, Black Seeded Simpson and Prize Head. The crisp head type is represented by the Hanson, Iceberg and Immensity. The smooth leaf cabbage headed type grow large and solid and the best of this type including the California Cream Butter, Relish or Big Boston, May King and Salamander.

The Romaine or Coz lettuce is a distinct type, which grows close and compact and which can be blanched like celery. Sow in hotbeds in March and in the open ground as early as it can be worked, thinly in rows.

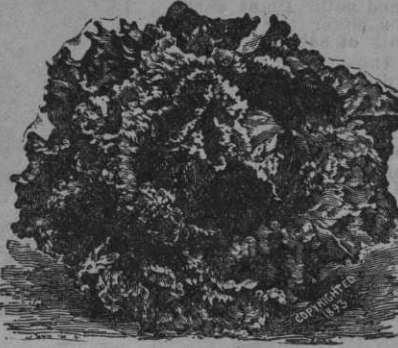
**EARLY CURLED SIMPSON.**—Retains a leading place among the favorites. It is the great variety for the backyard garden where only a small plot is available. Can be sown quite thickly and thinned out as used so that the later plants can have room to mature. Not called a heading sort, but produces pale green, somewhat crumpled leaves and is usable in all stages. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.40.

**BLACK SEEDS SIMPSON.**—This is the standard variety with market growers who grow lettuce under glass or in frames. Makes large loose heads of light colored, brittle leaves. Can be sown outside for first early use but will not stand hot summer weather. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.40.

**ICEBERG.**—Has large, curly light green leaves, sometimes slightly tinged with red. Has a rich well bleached center; stand the summer sun without blighting. We fully recommend this variety for home use. Really belongs to the head lettuce type, but is fit for cutting at any time and by thinning out the plants a succession is available. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.40.

**IMMENSITY.**—An extra large, crisp head variety. Plant farther apart than ordinary sorts and give room to grow. Make rows 18 inches and thin plants to 6 inches in the rows. Cultivate and you will be delighted with the great loose heads of such splendid quality. Plant the common garden kinds for early use and for cutting before maturity, but use Immensity for succession. Sow early as any other sort. Stands heat, does not run to seed quickly. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.40.

**ROMAINE.**—Very popular where choice flavor is especially appreciated. Leaves are of rather light green color, shading to white when blanched. More self-folding than any other variety of cos lettuce, so it is not necessary to tie the leaves in order that it may blanch. Possesses a peculiar flavor, crisp and delicious. Pkt. 5c, oz. 15c, ¼ lb. 50c.



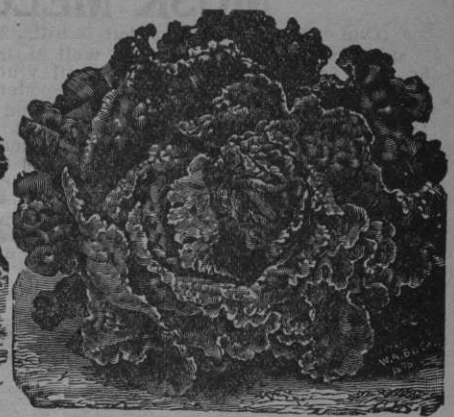
ICEBERG LETTUCE



Improved Hanson Lettuce



RELISH LETTUCE

CALIFORNIA  
CREAM  
BUTTER

MAY KING LETTUCE.

**MAY KING.**—A very early variety of head lettuce of compact growth. The inner leaves are a bright yellow, the outer ones a light green, sometimes slightly tinged with brown. It is extremely tender and brittle. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.40.

**IMPROVED HANSON.**—As a head lettuce the Hanson has no superior, either for home use or for market. Makes the most solid large heads and is the surest to head of all lettuces. Stands heat well when grown out doors and does well in hotbed or greenhouse. Can be used as a leaf lettuce but is a splendid header. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**GRAND RAPIDS.**—A splendid loose leaf lettuce. In appearance it is attractive and striking, as it is beautifully curled and crumpled. It does not for a head but produces a large number of leaves of pale green color which are finely curled and crumpled. Retains its crispness and sweetness when old. Grows upright and the lower leaves are generally clear of the ground, so that they do not rot. A favorite for forcing in hotbeds or for winter in greenhouses. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**RELISH, or Improved Big Boston.**—We are greatly pleased with this fine new variety. Is one of those rich, buttery-flavored varieties. Is preferred to the crisp-leaved sorts. Heads are extra large, very solid and the center blanches a rich cream yellow. Preferred as a salad sort with olive oil, vinegar or other salad dressing. Popular for market. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**PRIZE HEAD.**—Leading brown leaved lettuce. Tender leaves, dark reddish brown. Heads large and rather loose, with very good flavor. We sell more of this than any other brown leaved variety. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**SALAMANDER.**—Recommended for summer growing. Can be grown successfully for early crop, but will stand more heat with less loss of flavor and with greater certainty of heading than other kinds. The leaves are smooth, thick and light green. At maturity the heads are solid, creamy white inside, well blanched and of excellent quality. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

**CALIFORNIA CREAM BUTTER.**—A cabbage lettuce, with round, solid head, outside medium green, slightly marked with small brown spots; within, leaves are very rich cream yellow color, rich and buttery to the taste. Heads good size, compact, very hard and solid. Generally the heart only is eaten, with dressing of olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.50.

**MIXED LETTUCE.**—A careful and proportionate mixtures of the above. Pkt. 5c oz. 10c, ¼ lb. 30c, lb. \$1.00.

LETTUCE SOWN BROADCAST ON GOOD GROUND MAKES EXCELLENT GREEN FEED FOR POULTRY. GIVE IT A TRIAL.



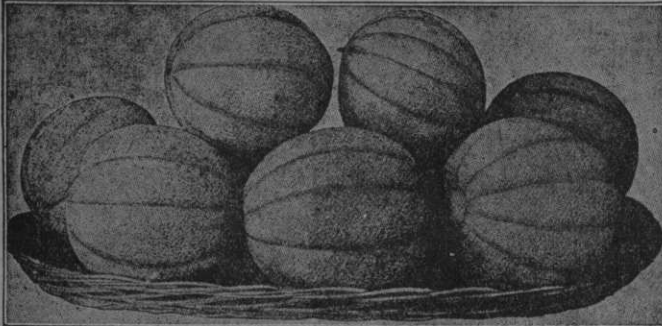
# MUSK MELON

(One ounce will plant about 80 hills, 2 lbs. to the acre.)

Musk melons require a rich, well drained soil. Plant early as safe from frost; cultivate until vines cover the ground. Plant in hills 4 to 6 feet apart. Use plenty of seed.

**EMERALD GEM.**—Finest in flavor and the earliest to ripen; too soft to stand shipping any great distance; unequalled for home use or nearby markets. Vines are strong and vigorous; very prolific. Rather small and flattened at both ends. Emerald green between ribs. Flesh very thick, crystalline, of rich salmon color. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**BURRELL GEM.**—A truly delicious melon about the same size and shape as Rocky Ford, but has rich, golden yellow flesh of most delicious flavor; solid and a most desirable shipping sort. The seed cavity is very small. Average about 6 inches long,  $4\frac{1}{2}$  inches in diameter, and weigh  $2\frac{1}{4}$  lbs. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. \$1.50.



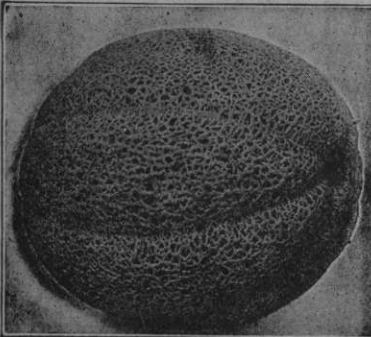
BURRELL GEM



GRAND RAPIDS

**GRAND RAPIDS.**—An extremely early variety. Flesh pure yellow to the rind, finely netted. Larger than the Rocky Ford type, averaging in size with Osage, but it is claimed to be the earliest of the larger sorts. Of handsome and attractive appearance and is of good quality. We recommend Grand Rapids as a market sort. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

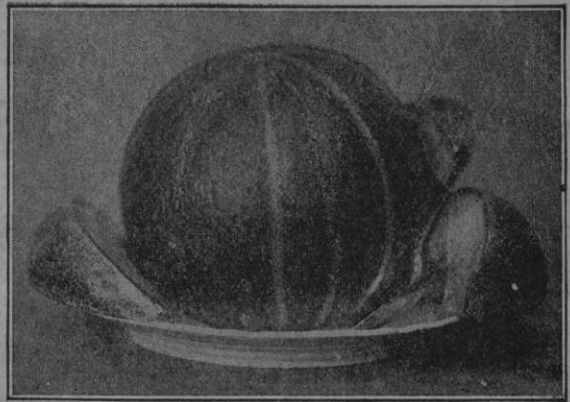
**NETTED ROCK KING.**—A golden fleshed variety of Rocky Ford type. A new sort which we prefer because of its wonderful sweetness. Rapidly taking first place among basket melons, and will be popular wherever tried. Shape shown by illustration at right. Size about the same as Rocky Fords. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.



BAY VIEW

**PAUL ROSE.**—Named for its originator. A cross of Osage and Netted Gem, combining sweetness and flavor of the former with fine nettings and shipping qualities of the latter. Size about midway between the parent sorts, salmon flesh. Splendid for hotel and restaurant trade. Peculiarly sweet, rich, delicious flavor. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

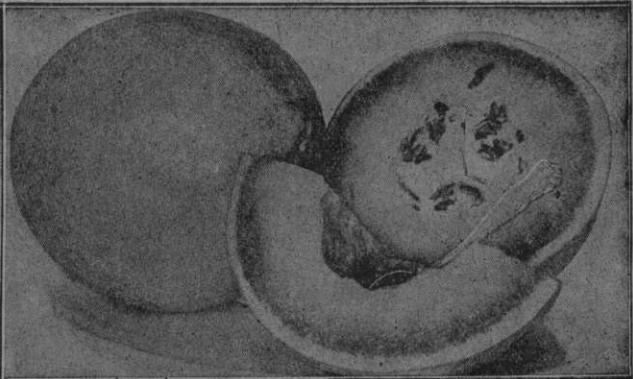
**BAY VIEW.**—A fruit of large size, often 10 or 15 lbs. Deep ribbed and coarse netted. The best large, late maturing sort. Of good flavor, productive, with firm flesh, and does not rot quickly. Many want the old-fashioned type of large musk melon and we list the Bay View in deference to this demand, as we consider it the best of this type. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.



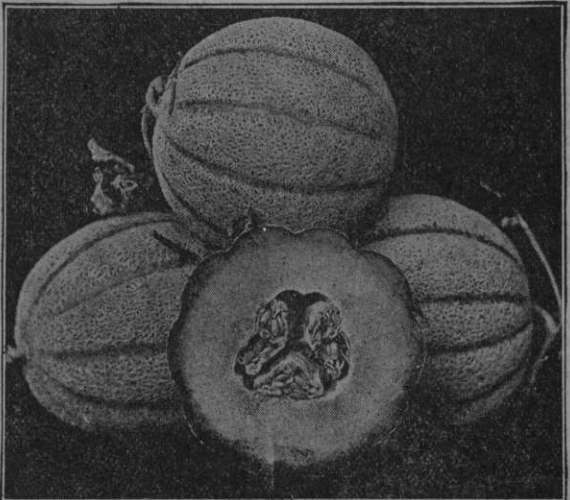
EMERALD GEM

**HONEY DEW.**—The picture is typical of its shape; the average size is about as large as a cocoanut, but the smaller sized melons are not inferior in flavor. Every melon is a good one. Flesh is light green and sweet as honey. The rind is straw yellow in color, smooth as an egg and hard as the rind of a winter squash. It is therefore a good shipper, is good right off the vine, and will keep good for months in a cool place. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50, postpaid.

**THOROUGHbred ROCKY FORD.**—This variety is in great demand by high-class hotels and restaurants. Just the right size for table use, slightly oval in shape, flesh thick of light green color, and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from the best melon grower at Rocky Ford. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.



HONEY DEW MELON



NETTED ROCK KING

THE LARGE VARIETIES OF MUSK MELON, INCLUDING THE BEST OF THE DIFFERENT TYPES, ARE OFFERED ON NEXT PAGE.

## MUSK MELON

**IMPROVED GREEN NUTMEG.**—Greatly improved strain of old Green Nutmeg. Fruit of medium size, very rich and melting, of exquisite flavor; flesh is light green. Very productive. A standard sort for many years and it is one of the best main crop sorts. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**IMPROVED EARLY HACKENSACK.**—Largest early musk melon. Good quality, firm and heavy; deeply netted; flesh light green. Shape fine and is splendid market melon; as it slices well. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**ENORMOUS.**—A new musk melon growing to immense size. Oblong with wide fissures. It is well netted but the fruits are so large that the netting does not show as heavily as on the smaller sized varieties. Specimens have been grown upward of 15 lbs. weight. The flesh is very thick, salmon colored and of better flavor than any other large melon. Pkt. 10c, oz. 25c.

**TIP TOP.**—(Orange Flesh.)—A fine, nearly round melon of such attractive appearance as to always sell quickly. It is sweet, juicy and delicious. Flesh firm but not hard, and is edible almost to the rind. Of medium to large size; evenly ribbed and moderately netted; strong grower, heavy yielder and handsome. One of the best of the orange flesh sorts. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

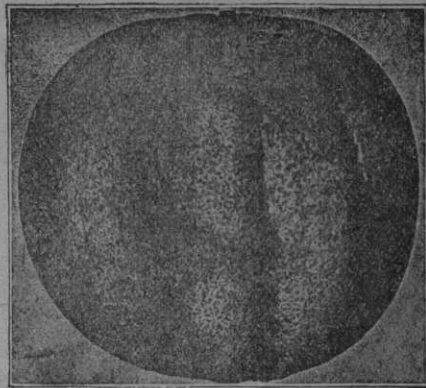
**OSAGE.**—One of the best melons for family use; greatly liked by gardeners. Flesh salmon color, sweet and spicy, very thick and delicious to the rind. Seed cavity very small. It is seldom that one of poor quality is found. Medium size, oval, lightly ribbed. Skin thin, dark green color and covered more or less with shallow netting. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

## CASABA MUSK MELONS

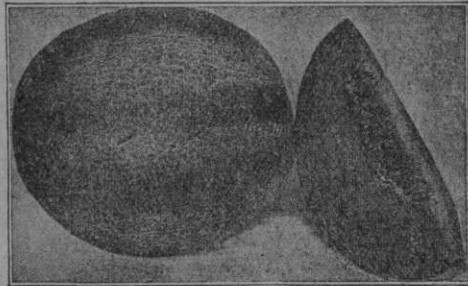
This is a class of very late maturing musk melons which do not ripen on the vines in the North, but are gathered before freezing weather and stored in a cool place and brought to a warm room for ripening.

**GOLDEN BEAUTY, or Santa Claus.**—The original round form; green; the best keeper of all. Pkt. 10c, oz. 25c.

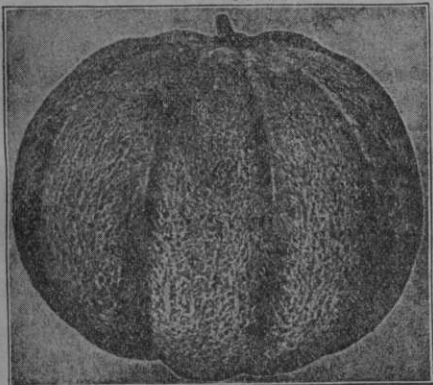
**GOLDEN HYBRID.**—Is shaped like Winter Pineapple; a beautiful golden color when ripened. Best flavored of this type but will not keep long. Pkt. 10c, oz. 25c.



IMPROVED GREEN NUTMEG



OSAGE



EARLY HACKENSACK



TIP TOP



BANANA MELON

**BANANA.**—Attains a length of from 1½ to 3 feet; 3 to 4 inches thick. Flesh is very thick, of salmon color. It looks almost like one, hence its name. Has a peculiar flavor, differing from ordinary musk melons

and by some considered superior. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c.

**MIXED MUSK MELONS.**—A mixture of above varieties desirable for the diversity it offers, making an appeal to all different tastes. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

ENORMOUS

## MUSTARD

A pungent salad used for greens. Sow thickly in rows. One ounce will sow about seventy-five feet of drill.

**OSTRICH PLUME.**—Leaves are long, ruffled, frilled and curved gracefully as an ostrich plume; desirable for garnishing. Can be cut quite early. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**SOUTHERN GIANT CURLED.**—This is the true curled leaf variety so popular in the South for fall planting for early spring salad. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**WHITE ENGLISH.**—Seeds are white and is preferred by housewives for pickling on that account. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 45c, lb. \$1.00.

## MUSHROOMS

The ease and certainty with which a crop of mushrooms can be grown and the astonishing success of so many who have taken up this new industry, induces us to call especial attention to the subject. We recommend mushroom spawn both for market garden and the private planter. Directions for culture sent on application. Per brick of 1 lb., by mail, 40c. By exp. or frt., not prepaid, 5 bricks \$1.25, 10 bricks, \$2.25, 100 bricks \$20.

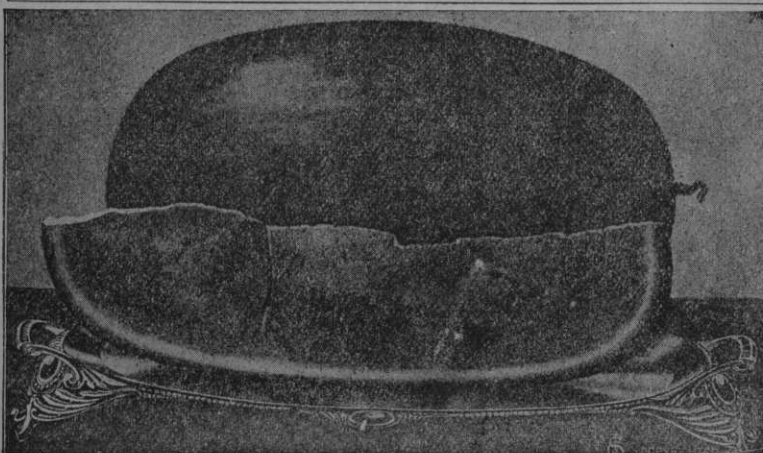
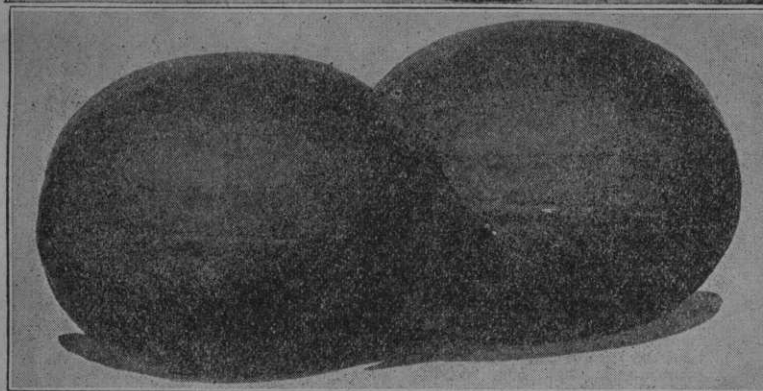
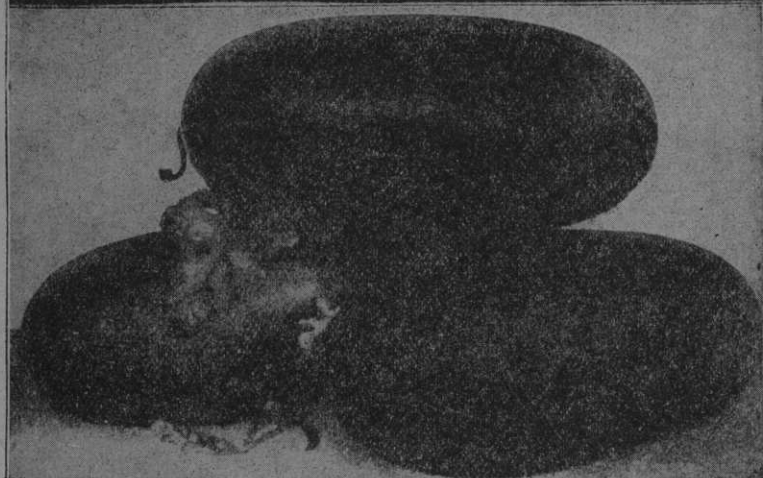


MUSHROOMS



SOUTHERN GIANT CURLED MUSTARD





Reading from top to bottom: Excel, Tom Watson, Sweetheart, Golden Sweet

## WATER MELON

(One ounce is required for forty hills; three pounds will plant an acre.)

A light sandy soil, with good exposure to the sun, is the best for water melons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill, and, finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers depend on us annually for their seeds and are universally pleased, claiming that nowhere have they ever obtained seeds so pure and reliable. It pays to have the best. Packets contain about one hundred seeds.

**IRISH GREY.**—Shaped like Tom Watson, equally as large and fine. Distinctive in color. Skin is a very light green, with very small dottings of darker shade which are rather indistinct. Its general appearance is a bright gray, hence the name. A splendid new sort of choicest quality and attractive in appearance. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**NEW EXCEL.**—(Cut No. 1.)—Resembles the well known Monte Cristo, but is larger in size, often weighing 60 lbs. Similar in shape and color and will be taken for Monte Cristo by those not familiar with this new variety. Has all the melting, delicious sweetness of its prototype, and surpasses it in size, shipping qualities and market value. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**TOM WATSON.**—(Cut No. 2.)—A leader among melons, because of quality and shipping excellence. No variety to our knowledge combines both essentials as does this melon. The Tom Watson is a large, oblong melon, skin dark green, with thick netting on the entire surface, quite distinct from other varieties. It averages 18 to 24 inches long and 10 to 12 inches in diameter and it weighs 50 to 60 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. The heart is large with no core. Seeds brown, tipped white. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**SWEETHEART.**—(Cut No. 3.)—Favorite Des Moines market sort. It is early, large, handsome, heavy, a good shipper, long keeper, of bright color and good quality. The fruit is large, oval, very heavy, uniformly mottled light green; rind thin but firm; solid, tender, melting and delicious. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**GOLDEN SWEET.**—(Cut No. 4.)—The Golden Sweet is a most delicious and fine flavored melon, unsurpassed for sweetness and aroma. Outside skin dark, shape oblong, as shown, size medium, a little larger than Monte Cristo, averaging about 20 lbs., just right for family use. Rind very thin but hard and will carry without cracking or bursting. Flesh golden yellow, solid, smooth, with few seeds. This is without exception the highest quality water melon in the list, and this is true of every melon in the field. We have never yet found a poor melon. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**MOUNTAIN SWEET.**—The old standard, is still quite popular in the North, where large fruited southern sorts do not ripen. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

## CITRON MELONS

Nice for preserving and largely used for this purpose.

**APPLE PIE.**—Will be appreciated in many parts of the country. Illustrated on page 13 of this catalogue. Vine and fruit similar to a water melon and easily grown on any good soil. Each hill produces from 5 to 15 fruits and one of the large size will make as many pies as a half bushel of apples. The flesh is white, solid throughout and of excellent quality for making pies, preserves, etc., and resembles apples in flavor. They keep nice and fresh all winter, so they can be used any time and any surplus can be fed to the live stock. Pkt. 10c, oz. 25c.

**COLORADO PRESERVING.**—This is a large fruiting strain of citron for preserving. The flesh is clear white and very solid. Green seed. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**RED SEEDED CITRON.**—Is round, dark green, striped and mottled with light green. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.



COLE'S EARLY

MCIVER'S SUGAR

FORDHOOK EARLY

IMPROVED TRIUMPH

## WATER MELON

**COLE'S EARLY.**—Decidedly the finest variety for the private garden, but is too brittle for long shipment. It is very early and will mature farther north than most other sorts. Of medium size; very productive. Flesh bright red, of granulated, sparkling appearance. In flavor lusciously sweet and refreshing. One of the best early melons and is specially valuable for growing for home market. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**MCIVER'S WONDERFUL SUGAR.**—This is a famous melon for sweetness and high quality. The fruits are long and of large size, averaging about 50 lbs. each. Is considered one of the handsomest melons, being rather light colored, irregularly striped and mottled with dark green. Rind is rather thin but tough; a good shipper. Flesh is delicate light red, entirely stringless and tender, and juicy and luscious. Vine is a strong, vigorous grower, very prolific and withstands extremes of weather, either wet or dry. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**FORDHOOK EARLY.**—Large early variety. From seeds planted May 10th, ripe melons have been produced the last of July. The rind is tough, making it valuable for shipping. Color is uniform medium green; flesh red, very sweet, solid, and of excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**IMPROVED TRIUMPH.**—Is undoubtedly the largest of all melons, having been grown to the extraordinary weight of 147 lbs. Very productive. It is of dark green color, matures in good season, flesh dark red, solid, and of excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

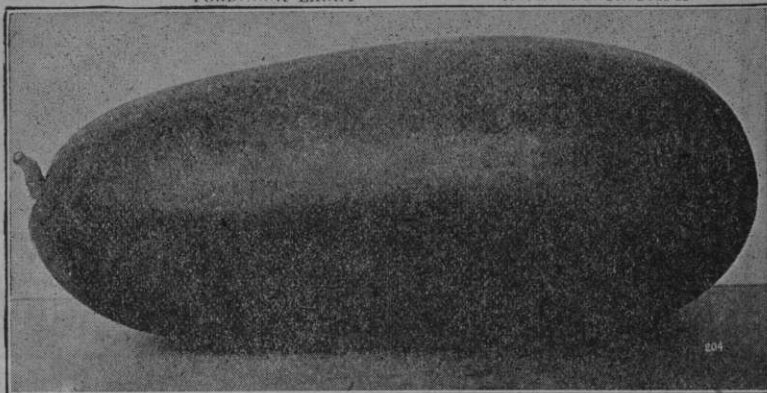
**MONTE CRISTO, or Kleckley's Sweets.**—A wonderfully popular variety everywhere. After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons, faintly striped, flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of good size, is a good shipper and a long keeper. Market gardeners will also be pleased with it. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25.

**HALBERT HONEY.**—The aristocrat among water melons. A very early variety; medium size; fine, oblong shape; very prolific and even size; skin handsome dark green; flesh a rich crimson, fine grained, melting and exquisite flavor. Has no superior as a home or near by market melon but rind is too thin to stand much handling. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25.

**FLORIDA FAVORITE.**—Shape and color well shown in the illustration above. It is a real favorite because of sweetness and fine texture. It is of large size and attractive appearance and is popular both for home use and market selling. Solid and heavy and ships well. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**PEERLESS, or Ice Cream.**—(White Seeded.)—Very early, medium size, thin rind, flesh is bright scarlet. It is the great home market melon. Few sorts surpass it in melting, delicious quality. Color green, slightly mottled, shape oblong to round, and appearance attractive. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

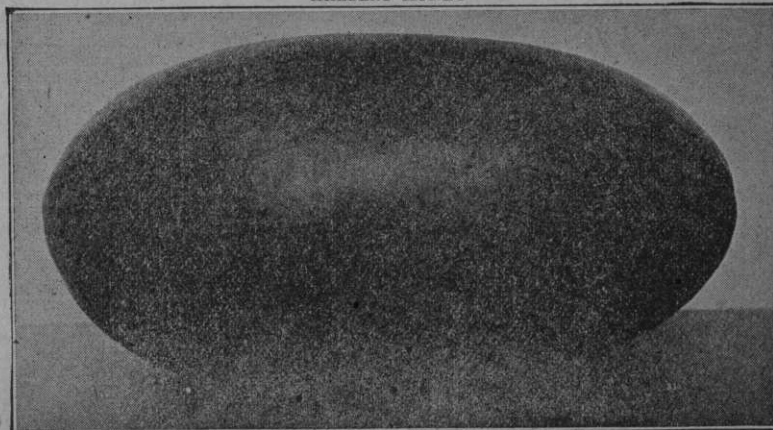
My friend wanted me to refer her to some good seed company and I knew of none better than yours.—Mrs. L. J. Martin, Cushing, Oklahoma.



MONTE CRISTO



HALBERT HONEY



FLORIDA FAVORITE

WATER MELONS ARE ENJOYED BY EVERYONE. THEY ARE FAR SUPERIOR IN FLAVOR AND QUALITY WHEN HOME GROWN





Good onion seed is of the utmost importance as it is one of the most important crops grown, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than onions. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that **OUR ONION SEED CANNOT BE EXCELLED** in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown onion seed. The crop was short this year and prices may advance. In comparing our prices with others, remember that we **pay the postage**. Deduct ten cents per pound if to be sent by express. Ask for prices in large lots.

**YELLOW GLOBE DANVERS.**—Handsome, globe-shaped sort of large size, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. Has yielded 1,000 bu. per acre. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**EXTRA EARLY BARLETTA.**—Is a distinct variety; the very earliest onion in cultivation. They are of a pure paper-white color, very delicate in flavor, and in size grow 1 to 1½ inches in diameter. For table use and pickling it is most valuable. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.



**LARGE RED WETHERSFIELD.**—Is the standard sort throughout the country, the easiest to grow and the surest to make a good crop, being hardy and not subject to decay in very hot or wet weather. Of finest form, skin deep purplish red. The flesh is purplish white, and finer grained than many of the red sorts. Our seed is extra select and cannot be excelled. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50. By express, 4 lbs. for \$8.00.

**SOUTHPORT RED GLOBE.**—This is a very handsome variety and is deserving of general cultivation. It is medium early (none of the perfectly globe-shaped onions are as early as the flat varieties); grows to a large size, skin deep red, flesh fine grained, mild and tender. It is steadily increasing in popularity as the market is demanding glob-shaped onions more than formerly. They require better soil and cultivation to make a crop than the flat varieties, but much more than pay for it in increased yield and price. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.75.

**GOLDEN GLOBE.**—Offered by us as the very best yellow, globe-shaped onion for general culture. We prefer it to the red varieties because it is of mild flavor and much more handsome. Always uniform in shape, size and color. Is surely thoroughbred, and the entire crop looks like carefully hand-selected onions. See Thrift Collection, page 34. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 1.00, lb. \$3.00.

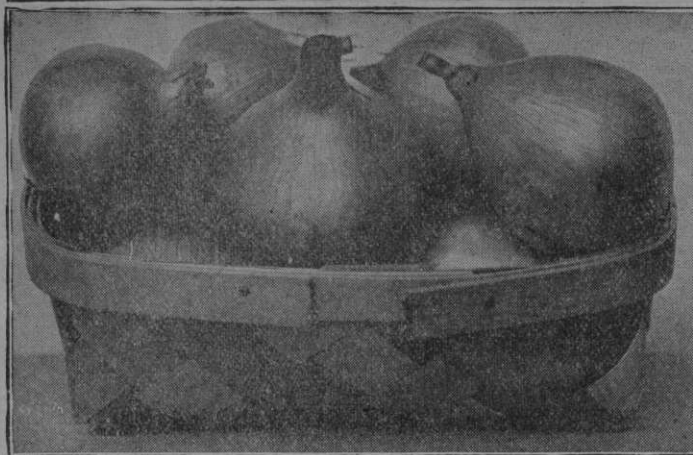
**CULTURE.**—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well-rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. For pickles or sets the seed should be sown very thickly and in broad drills, about 50 pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing seed and cultivating the crop it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made.

**LARGE WHITE GLOBE.**—The handsomest market variety; beautiful, clean, pure, silvery white bulbs, of large, even size, globe-shape, mild and pleasant flavor, and outsells every other variety. Undoubtedly the best white sort. Will yield as many bushels per acre as any of the American varieties. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**WHITE PORTUGAL or SILVER SKIN.**—Standard white variety for general culture. Bulbs grow flat to good size, ripening early and quite evenly. Flesh mild and sweet; skin a clear silvery white, of very handsome appearance. Sown thickly at the rate of 20 lbs. per acre will produce immense crops of small onions for pickling and for sets. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.



GOLDEN GLOBE



MAMMOTH PRIZETAKER

**MAMMOTH PRIZETAKER.**—One of the largest, handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, one report being of over 1,200 bu. per acre, and they bring an extra price, being sold on the market as fancy onions. Keep wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the United States. They ripen up hard and firm, and present the handsomest possible appearance in market while the pure white flesh is fine grained, mild and delicate in flavor. To grow the largest size, sow seed early in hot beds and transplant to open ground as soon as the weather is favorable. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00.

**GIANT VESUVIUS.**—This mammoth variety is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an enormous size the first year. They are of a handsome globe shape, somewhat elongated, and are veritable beauties. Will attract attention anywhere. The color is almost blood red; flesh is nearly white and quality most excellent. This variety is much more tender and mild than the American sorts. Pkts. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

## BIG ONIONS

For table use large onions are much preferable to small ones and they bring a better price on the market. The varieties listed on this page are of immense size, splendid quality and yield wonderfully large crops. While they do not keep quite as well as some other kinds, still they are usually good till January or February.

### The 5 Giants

One Packet Each of  
Mammoth Prizetaker  
Ailsa Craig, Copper  
King, Giant Vesuvius  
and Silver King.

**FOR ONLY 35 CENTS**

With each of these "Five Giant" collections we will send a circular giving full directions for "Growing Big Onions."

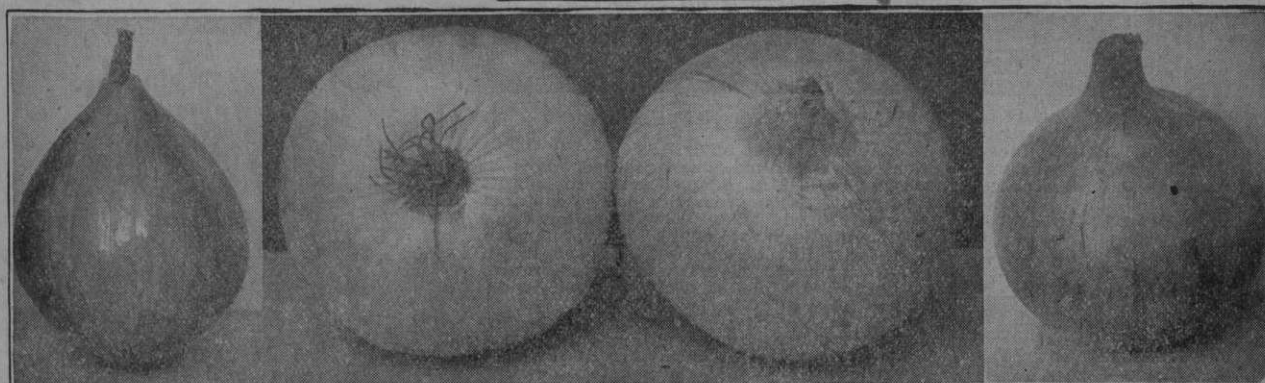


AILSA CRAIG

**AILSA CRAIG.**—A mammoth variety introduced from England, where it has exceeded all other varieties in size, and because of its very light (almost white) color is exceedingly popular as a market sort. It is claimed that the largest onion ever produced was of this variety, weighing nearly seven pounds. Shape and style of the Prizetaker. Color is pale straw yellow. Flavor is exceedingly mild and sweet and its appearance is so attractive that it will command the highest prices. Pkt. 10c; oz. 30c; ¼ lb. \$1.00.

**MAMMOTH SILVER KING.**—The largest white onion, no other approaching its mammoth size. Of attractive form, flattened, but thick through as shown in cut. Often weigh from 2½ to 4 lbs. each. Beautiful silvery white; flesh snowy white, sweet and tender and can be eaten raw. Matures early; of uniformly large size, perfect shape and bring a high price in market. Pkt. 10c, oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

**COPPER KING OR MAMMOTH POMPEII.**—Have been grown to the enormous weight of 5 lbs. 6 oz. and not withstanding their large size they retain their shape and fine quality. To obtain an idea how large this really is, just weigh the largest onion you can find and compare weights. Copper color, flesh white, fine grained, mild. Pkt. 10c, oz. 25c; ¼ lb. 85c; lb. \$3.00.



GIANT VESUVIUS

MAMMOTH SILVER KING

COPPER KING

**AUSTRALIAN BROWN.**—Color is peculiarly clear amber brown, quite distinct from any other variety. It is one of the best in keeping qualities, and grows to large size. A splendid shipping variety as it will carry any distance. Equals Red Globe in every valuable quality and will keep even longer than that splendid sort. Many people think the red onions two strong in flavor and this variety will be preferred in such cases. The distinct color is an advantage in many markets while for home use it is the equal of any. In California where onions are a staple crop this is the popular variety because of its hardness, vigor and wonderful crops produced. Our seed is American grown. Pkt. 5c; oz. 20c; ¼ lb. 65c; lb. 2.25.

**EXTRA EARLY RED.**—Similar in shape and form to the popular Red Wethersfield variety but matures very much earlier. It is of medium size, flat in shape, deep red in color, solid and coarser grained. It will mature and make good bulbs in bad seasons when the larger later kinds will not produce the best results. It is particularly recommended for the north and northwest where the seasons are short and cool and it will be found most profitable in these regions. It will be ready to market far in advance of the ordinary round onions and this is an advantage because generally the early price is the best. They are easy to keep all winter and can be sold any time that the grower may desire. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

**YOU SHOULD HAVE A GOOD DRILL AND CULTIVATOR TO GROW ONIONS. WE RECOMMEND THE PLANET JR. TOOLS**





RED, WHITE AND YELLOW ONION SETS FROM SEED

## ONION SETS

For early onions for bunching; ready for the table in a very few weeks. Is cheaper to grow from seed but is considerable work to weed, and many prefer to buy sets. Price per pound includes postage; deduct 10c per pound if by express. Three pounds and larger lots shipped at buyer's expense. Legal weight of top sets 28 lbs. per bushel; other kinds 32 lbs. so that 1 lb. equals 1 quart. Write for prices for large lots.

**WHITE BOTTOM SETS.**—White onion sets from seed are best for early use and large onions.  $\frac{1}{2}$  lb. 20c, lb. 40c, postpaid; not prepaid, 3 lbs. \$1.00.

**RED BOTTOM SETS.**—Are like the white, except that they are of dark red color. Very hardy.  $\frac{1}{2}$  lb. 20c, lb. 35c; not prepaid, 3 lbs. 90c.

**YELLOW BOTTOM SETS.**—Like the white, except color. More used than any other kind.  $\frac{1}{2}$  lb. 20c, lb. 35c; not prepaid, 3 lbs. 90c.

**POTATO ONION SETS.**—A species of Multiplier Onion, increasing from bulb; early; matures quickly; mild.  $\frac{1}{2}$  lb. 20c, lb. 35c; not prepaid, 3 lbs. 90c.

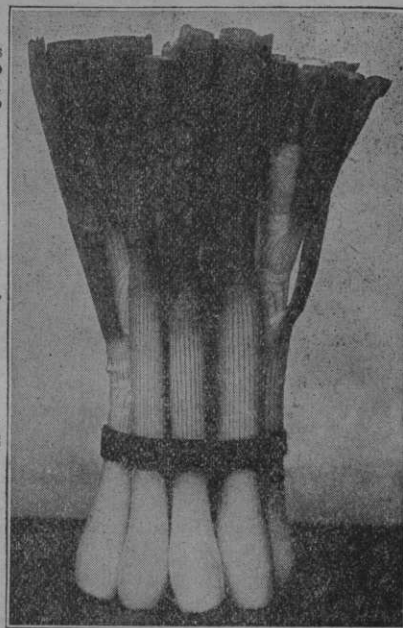
**SUMMER ONION SETS.**—Commonly known as Button Onion Sets.  $\frac{1}{2}$  lb. 25c, lb. 45c; not prepaid, 3 lbs. \$1.20.

**PERENNIAL, or Winter Sets.**—Also called Egyptian or Tree Onions. Usually set in fall; produce earliest spring onions without winter protection. Do not make large bulbs.  $\frac{1}{2}$  lb. 15c, lb. 25c; not prepaid, 3 lbs. 55c.

**BOTTOM  
ONION SETS**



**POTATO  
ONION SETS**



YOUNG ONIONS GROWN FROM SEED SETS

## OKRA

One ounce will sow about 80 feet of drill.

Nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables in drills 2 in. deep, leaving the plants 2 to 3 ft. apart. Pick pods while quite young; slice crosswise before cooking.

**WYRICK'S NEW GIANT.**—Wonderfully productive. Pods shoot out from the stalk within 3 in. of the ground, and the whole plant is covered with them. Pods are vivid green, 8 to 9 in. long. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.

**WHITE VELVET.**—Pods round and smooth, of attractive appearance, very tender; superior flavor. Plants dwarf. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.

## PARSLEY

(One ounce will sow 150 ft. of drill.) Sow early, thinly, in drills, 1 ft. apart,  $\frac{1}{2}$  inch deep. Soak seed in warm water a few hours before sowing. For winter use, protect in glass frame or light cellar.



MARKET GARDENER'S PARSLEY.

**MARKET GARDENER'S.**—An extra choice stock with dark green, curled, mossy leaves, very productive. Valuable for either garnishing or flavoring. Earlier than other varieties. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

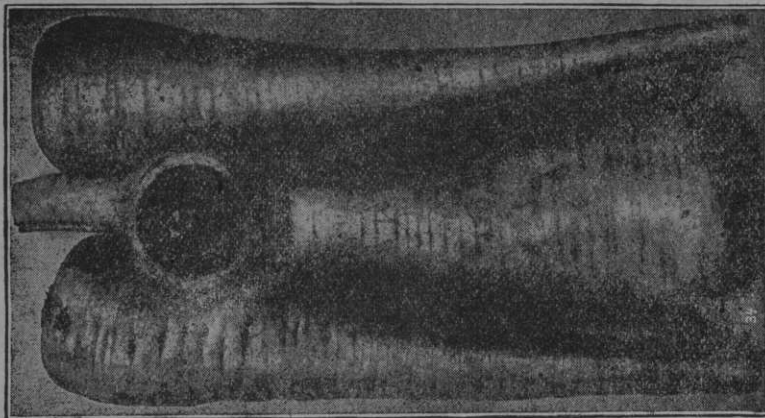
**CHAMPION MOSS CURLED.**—Very select stock, finely crimped and curled. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**HAMBURG.**—Turnip-rooted variety, used for flavoring soups. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.



WHITE VELVET OKRA

ONION SETS ARE NOT PLENTIFUL THIS YEAR. YOU SHOULD ORDER EARLY TO BE CERTAIN OF SUFFICIENT SUPPLY



HOLLOW CROWN PARSNIP

## PARSNIP

(One ounce will sow 200 feet of drills. Five pounds will sow an acre in drills.)

Sow early in spring in good, rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by freezing.

**IMPROVED TABLE GUERNSEY.**—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. Very heavy cropper; roots are smooth with a deep, hollow crown and a small top. Flesh fine grained, sweet and of excellent quality; cooks evenly, center being as fine, soft, even quality. See Thrift Collection page 34. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25

**IMPROVED HOLLOW CROWN.**—This greatly improved strain is smoother and of more even quality than the original; fine grain and excellent. Pkt. 5c, oz. 15c, ¼ lb. 40c.



## PEPPER

(One ounce will produce about 1,800 plants.)

Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly, require considerable heat.

**CORAL GEM BOUQUET.**—This new red hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Nice for mixing picilli. Pkt. 10c, oz. 75c.

**RUBY KING.**—Very large in size, 4½ to 6 inches long by 3½ to 4 inches thick. When ripe are beautiful bright ruby red and always remarkably mild and pleasant to the taste. Produces large, handsome fruit and is splendid for stuffed peppers or mangoes. Pkt. 10c, oz. 50c, ¼ lb. \$2.00.

**CHINESE GIANT.**—Most gigantic of all Giant Peppers. A fine mild red pepper of enormous size, magnificent appearance and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Excellent for salad. Pkt. 10c, oz. 60c, ¼ lb. \$2.00.

**KALEIDOSCOPE.**—A very ornamental new sort. The small fruit changes from cream color to canary, deepens to orange then turns into pink, until it becomes a deep, shining scarlet. Pkt. 10c, oz. 75c.

**LARGE BELL, or Bull Nose.**—The standard variety for mangoes or sweet pickle. Fruits large, uniform, thick meat and smooth, very pleasant mild flavor; prolific yield; early. Pkt. 10c, oz. 50c, ¼ lb. \$2.00.

**MAMMOTH GOLDEN QUEEN.**—Average a third larger than Ruby King. It is 8 to 10 inches long; bright waxy, golden yellow and mild flavor. A favorite variety for mangoes. Pkt. 10c, oz. 50c, ¼ lb. \$2.00.

**SWEET MOUNTAIN, or Mammoth.**—This pepper is in shape similar to Large Bell, but fruits are much larger and not nearly so pungent. Splendid sort for making stuffed pickle. Pkt. 10c, oz. 50c, ¼ lb. \$1.50.

**PIMENTO.**—This is a new and distinct pepper. Perfectly sweet, having no trace of pungency. Plants are loaded with fine, perfectly smooth fruits, medium size and thick meat. Pkt. 10c, oz. 50c, ¼ lb. \$2.00.

**RED CAYENNE.**—Pods long and slim, of medium size. Pungent. For pepper sauce. Pkt. 10c, oz. 50c, ¼ lb. \$2.

**RED CHILL.**—Small, long fruit, but very hot. Used for pepper sauce. Pkt. 10c, oz. 60c, ¼ lb. \$2.25.

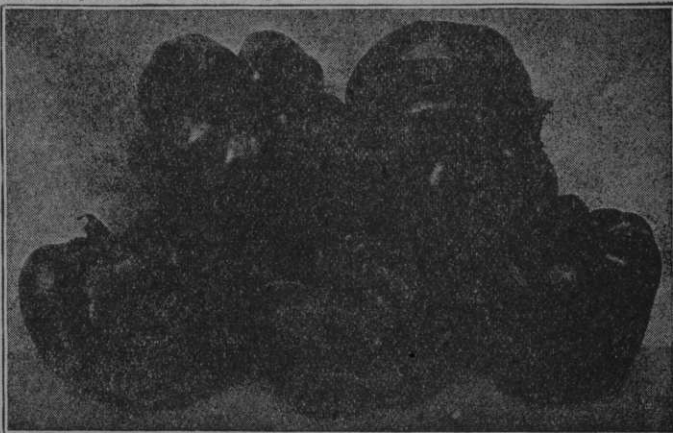
**MIXED PEPPERS.**—A mixture of the above and other fancy varieties. Fine for exhibition. Pkt. 10c, oz. 50c.

## PEANUTS

Peanuts can be grown in Iowa, and everyone should plant at least a few for the children.

**LARGE YELLOW.**—This very desirable variety is early as the earliest, most hardy, very prolific and of best quality. Boys, here is a good chance for you. Shell nuts carefully so as not to break inside skin, plant as soon as ground becomes warm, from 2 to 3 ft. apart each way, 4 or 5 to the hill, covering 2 inches. Soil should be deep and mellow. Produce from 25 to 70 bu. to the acre; easily cultivated as corn. Pkt. 10c, lb. 50c, postpaid. By express 5 lbs. or more at 35c per lb.

**SPANISH.**—A very early variety; quite prolific, pods are small, but the yield is equal to larger kinds, quality excellent and will please you. Per package 10c, lb. 50c, 5 lbs. not prepaid at 35 cents per pound.



RUBY KING PEPPER



## PEAS

(One pound will plant about fifty feet of drill; 2 to 3 bushels per acre.)

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing. Sow in drills 2 to 4 feet apart, according to varieties, and 2 to 3 inches deep for general crop. The wrinkled sorts are marked.\* They are more liable to rot if the ground is wet. We are this year offering peas by the pound and the pound prices include postage. Larger lots go by express or freight at customer's cost for transportation. If you want the larger lots to come by parcel post you must send postage as shown by table on page 13. The Iowa legal weight is 60 lbs. per bu. Pkts. hold 2 oz. each.

### EXTRA EARLY SMOOTH VARIETIES

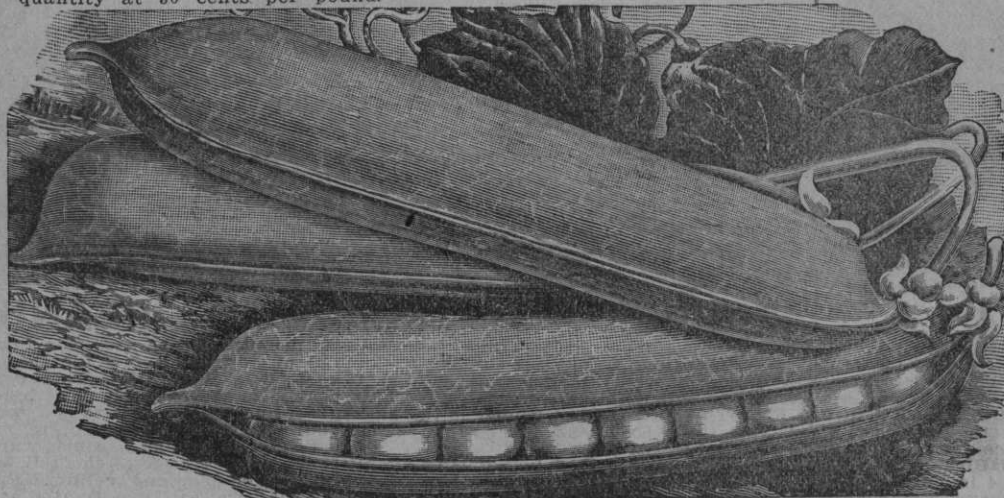
**ALASKA.**—Height 2 feet; the pods are rather small, dark green color, well filled; the earliest pea known.

**IOWA CHALLENGE.**—being two days earlier than the First and Best, and 90 per cent of pods can be gathered at first picking. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 25 cents per pound.

**IOWA CHALLENGE.**—Extra early variety of superior merit which is a favorite with Des Moines gardeners. We can in confidence say that after a trial of nearly all extra early varieties we have not found one possessing more merit. All good qualities are most nearly brought to perfection in the Challenge. Height 18 inches. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**FIRST AND BEST.**—A well known standard early pea. Ready to use several days before the early wrinkled varieties. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 25c per pound.

**\*AMERICAN WONDER.**—An early dwarf wrinkled sort, popular extra early variety for family garden. Cannot be planted quite as early as smooth sorts; will not stand as much cold, wet weather but is far superior to them in flavor and table qualities. Dwarf, robust habit, growing about 10 in. high; produces a profusion of good-sized, well-filled pods of finest flavored peas. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 30c per pound.



GRADUS, OR PROSPERITY.

### EARLY DWARF WRINKLED VARIETIES

**\*LITTLE MARVEL.**—A strong vine about 15 inches high, bearing tremendous crops of fair size pods, frequently borne in pairs. Pods  $2\frac{1}{2}$  to 3 inches long, containing six to seven large, deep green peas. As early as American Wonder, more productive, and will be preferred by gardeners generally because of extra quality. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 35c per pound.

**\*LANTONIAN, or Pioneer.**—This variety is the finest of the very large podded, early wrinkled peas. Vine is not quite so long as Gradus but the pods are fully as large as those of that variety and there are twice as many of them. Both pods and peas are a rich, dark green in color and retain this rich color when cooked. This is the most satisfactory variety we had on our trial grounds last season. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 35c per pound.

**\*PREMIUM GEM.**—For many years the standard dwarf wrinkled pea for the family garden, and market gardeners. Grows 12 to 15 inches high and requires no support. Pods large dark green, and quality is excellent. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**\*GRADUS, or Prosperity.**—This remarkable pea is not only large and of best quality, but it is nearly or quite as early as the small, round, extra early sorts. It is a wrinkled pea with the vine growing about 20 inches high. Pods bright green color and measure 4 inches or more in length. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**\*NOTT'S EXCELSIOR.**—Is fully as sweet and delicious as American Wonder and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 30 cents per pound.



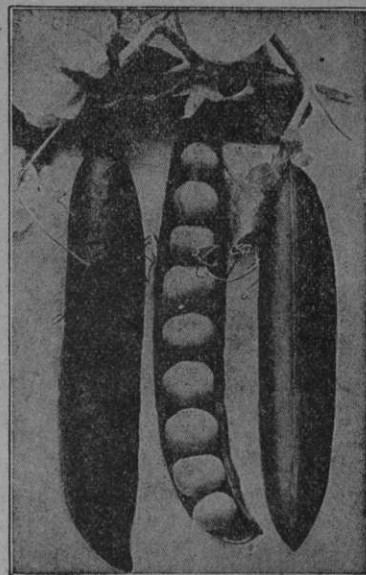
NOTT'S EXCELSIOR



STRATAGEM



ABUNDANCE



DWARF CHAMPION

## PEAS--CONTINUED

### SECOND EARLY AND MAIN CROP VARIETIES

This class of peas all grow vigorously and should have support of some kind. Some of these, like the Dwarf Champion or Everbearing, will give fair results when not given a support, yet it pays to provide some kind of support, as they will yield very much more. Where brush cannot be had, poultry netting fence makes a neat and cheap support.

**\*DWARF CHAMPION.**—Splendid main crop variety; bears a profusion of good sized, well filled pods; vines seem less affected by mildew than most late peas; make a sturdy growth  $2\frac{1}{2}$  feet tall. Very prolific; quality excellent. Much used by market gardeners. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**\*EVERBEARING.**—Fine for main crop. Grows about 2 ft. high, strong and vigorous, branches freely; does well without support. Continues to grow and produce pods a long time if pods are kept picked as they grow. Both pods and peas of good size. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**\*ABUNDANCE.**—A second early with large pods containing 6 to 8 large peas. Height 3 ft. Quality first class, 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.

**\*MAMMOTH LUSCIOUS SUGAR.**—Bears pods much larger than any other variety, often 6 or 7 inches long and  $1\frac{1}{2}$  inches broad. They should not be shelled, but the peas and pods eaten together. Grows quite tall, 5 to 6 ft. high and requires support. Pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid.

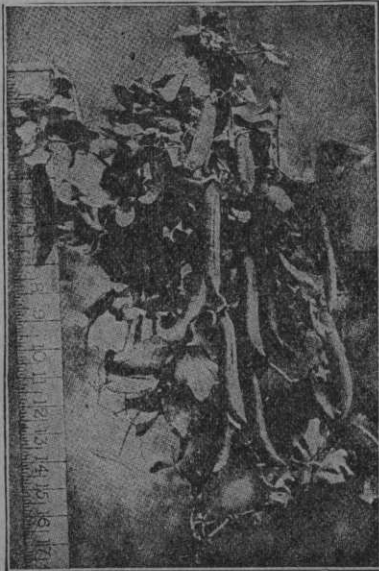
**\*IMPROVED STRATAGEM.**—Most popular late variety for market or family use. Preferred because of the immense size of pods and peas and exceptional sweetness and tenderness. Half dwarf sort, 2 to 3 ft. high. Is a vigorous grower and an enormous cropper. Pods contain 7 to 9 large peas. 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c, postpaid. Not prepaid, any quantity at 35 cents per pound.

**\*DWARF WHITE MARROW.**—An improvement on the old Large White Marrowfat. Fully as productive, but does not grow so tall and rank. Used almost exclusively for late midsummer planting by market gardeners and is very productive. Grows 3 to 4 feet and is best if supported, though support is not usually given. Peas are smooth and very large, 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 25 cents per pound.

**\*CHAMPION OF ENGLAND.**—Well known standard sort; grows 4 to 5 ft. high and requires support, but fine quality and large crop produced more than repays any extra labor required. A strong, vigorous grower, continues to bear for a long time, 2-oz. pkt. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c, postpaid. Not prepaid, any quantity at 30 cents per pound.



CHAMPION OF ENGLAND



EVERBEARING



DWARF WHITE MARROW

THE SEED PEAS WHICH WE OFFER ARE THE BEST PRODUCED ANYWHERE IN THIS COUNTRY. THEY WILL PLEASE YOU.





ATLAS PUMPKIN.

### COLLECTION OF MAMMOTH PUMPKINS

One Packet Each of the New Atlas-Mammoth Tours and King of the Mammoths, sent postpaid for

ONLY TWENTY CENTS

### PIE PUMPKINS

**YANKEE PIE.**—The noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but is smaller, very sweet, fine grained and one of the best varieties for table use. It pleases everyone for making pies. Early. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**LARGE CHEESE.**—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field but are flat shaped, with creamy buff skin and thick golden flesh. It is one of the best of the pie pumpkins and can be grown in the corn like the common cow pumpkin. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25. Five pounds by express or freight at \$1.00 per lb.

**GOLDEN RUSSET.**—An extra choice sweet variety, also called Winter Luxury. Golden yellow, netted or russeted over surface; small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25.

**JAPANESE PIE.**—This is similar in size and form to the well known Cushaw, but the skin is deep green, with dark stripes; earlier than any other pumpkin. Seeds marked with curious indentations. Flesh is very thick. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25.

**GOLDEN CUSHAW, or Jonathan.**—Like the old Cushaw in shape but of clean old gold color instead of green and white stripe. Flesh is solid, of deep orange color and very rich. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$2.00.

**CONNECTICUT FIELD.**—Is the common field or cow pumpkin. It is more generally grown than any other variety. Of good quality for culinary purposes. If you have any live stock plant some of these. Oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. by mail 90c. By exp. or frt. 10 lbs. \$7.50.

### COLLECTION OF THE SIX PIE PUMPKINS

One packet each Yankee Pie, Large Cheese, Golden Russet, Japanese Pie, Golden Cushaw and 1 oz. Connecticut Field prepaid 25c

## PUMPKIN

(One ounce will plant 25 hills; 4 lbs. will plant one acre.)

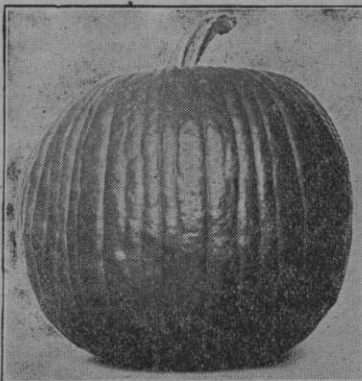
The best, most enterprising and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with a corn or potato crop, and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, two pounds will plant one acre.

### MAMMOTH PUMPKINS

**KING OF MAMMOTHS.**—Largest true pumpkins. Flesh and skin a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 lbs. One customer writes us that he grew one that weighed 153 lbs., and on the same vine he had five other pumpkins from 80 to 104 lbs. each in weight—over 640 lbs. from one seed. Farmers and gardeners just think of that kind of a crop. Will it not pay to grow King of Mammoths and exhibit them at your county fair. Our seed is from select specimens. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**NEW ATLAS.**—The largest of them all. We have grown this variety on our home seed farm for many years. They are uniform in shape and we have had them weigh as heavy as 300 lbs. Our seed is saved only from the largest sized, perfect shaped specimens. Just the thing for exhibition at fairs. Flesh is a rich yellow, very thick, and excellent quality, nutritious and profitable to grow for stock feeding. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**MAMMOTH TOURS.**—Is also called "Mammoth Whale." Grows to immense size, sometimes 3 feet in length, and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

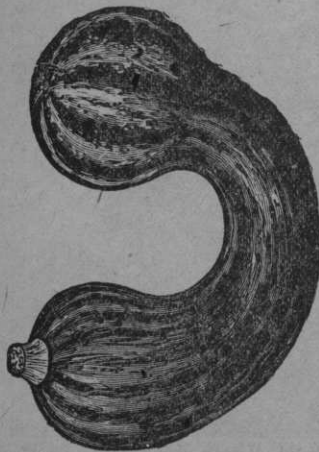
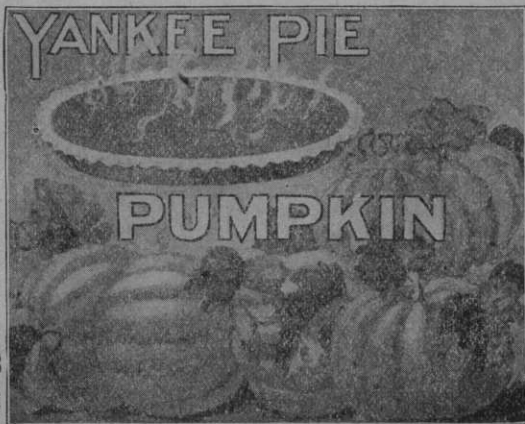


CONNECTICUT FIELD



LARGE CHEESE PUMPKIN

We have been buying seeds from you for our home garden for the past six years, and must say that they are much better than any we can obtain here. They are pure, true to name and sure to germinate.—W. R. Chandler, Boyd's Creek Tenn.



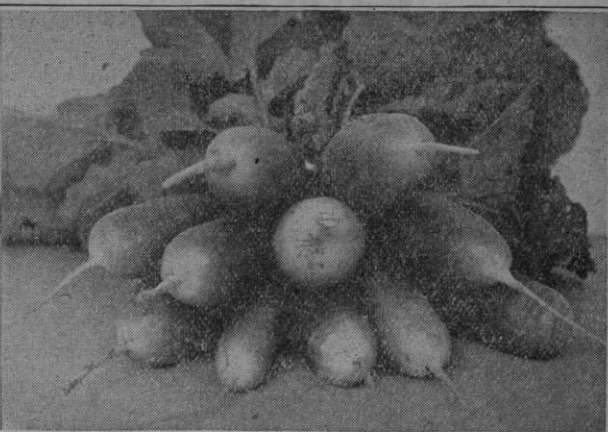
JAPANESE PIE.

GROW PUMPKINS AMONG THE CORN OR IN THE WASTE PLACES ABOUT THE FARM. THEY WILL PROVE PROFITABLE.



SCARLET GLOBE

One ounce will sow 100 feet of drill.



FRENCH BREAKFAST

Eight to ten pounds will sow an acre in drill.

**RADISH**

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks, until midsummer. Radishes must be grown quickly and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear.



SPARKLER

**SPARKLER.**—This is a new extra early, white-tipped, round radish. It is distinct in that the white tip is larger and more pronounced than in any other sort. The proportions of white and red are well shown in our illustration, and the contrasting colors being so nearly equal gives a most attractive appearance. Well adapted for either forcing in frames or private garden. Quality unsurpassed; remain solid and crisp a long time. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**EARLY SCARLET GEM.**—Extremely early variety which has matured fit for the table in twenty days. Is fully grown in less than four weeks. It is of a perfect globe shape, and of bright, rich, scarlet color, tipped pure white. It has very few leaves, therefore is an excellent variety for forcing. In quality unsurpassed; tender, crisp, appetizing. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



EARLY BIRD RADISH

**EARLY BIRD.**—Decidedly the earliest of radishes. With loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is of round or turnip shape, as shown in our illustration, of bright scarlet color and pure white flesh, which is tender, crisp and of the very best flavor. It has few and short leaves. Very desirable for the home garden and a money maker for the market gardener. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



GIANT FORCING

**CRIMSON GIANT FORCING.**—The most profitable variety for market gardeners, and may well be considered the most valuable new sort sent out for many years. A rapid growing variety, developing roots of beautiful deep crimson, perfect in shape and more than double the size of any other forcing variety. It often measures 9 inches in circumference without getting pithy or hollow, and retains its firmness and tenderness of flesh. It comes into market a few days after the smaller earlier kinds but drives them all out when it appears. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**MODEL WHITE BOX.**—Of handsome shape, very early and has but few leaves, and one-third more radishes can be grown in the same space than with most varieties. Of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 90c.



SCARLET GEM RADISH



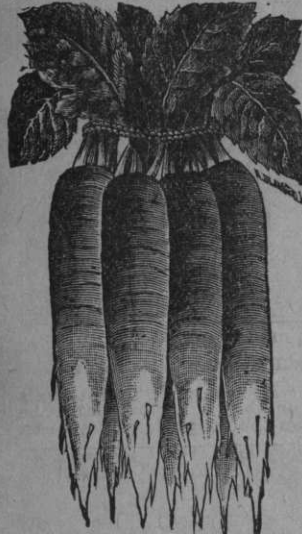
MODEL WHITE BOX RADISH

THE ROUND SHAPE RADISHES ARE LISTED ABOVE. THE LONG VARIETIES ILLUSTRATED AND PRICED ON NEXT PAGE.



## RADISH--CONTINUED

**ICICLE.**—A splendid long variety of almost transparent whiteness. Produces nice roots in twenty-two days from the date of sowing, and it continues in prime condition for a long period, so that in one sowing of seed, nice, crisp radishes may be had from spring until midsummer. It is much the most popular sort in the entire list. There is no variety that grows more uniform in type, and there are none that surpass it in quality. We recommend it as the best. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

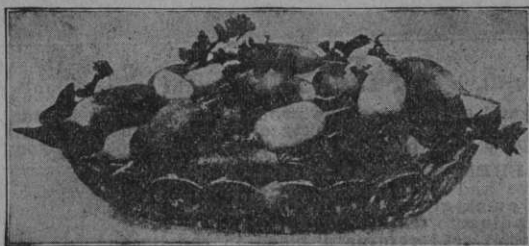


WRIGHTEST LONG SCARLET

**IMPROVED CHARTIER.**—The roots are long and cylindrical, scarlet rose above, shading into pure waxy white at the tip. Flesh white, crisp and of mild flavor. Stands hot weather well. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**EARLY LONG SCARLET, or Short Top.**—An old standard variety of quick growth; long, slender root. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**BRIGHTEST LONG SCARLET.**—The handsomest long red radish which is very early. It is shaped like Long Scarlet, but the tips are white like the Chartier. The white and red colors in contrast make it a popular market sort. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



MIXED RADISHES

**WHITE STRASBURG.**—Of handsome, oblong, tapering shape, both skin and flesh being pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Very popular because it remains fit for use a long time and does not get pithy. Sometimes called the Sandwich Radish. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 90c.



WHITE STRASBURG

**MIXED RADISH.**—Our mixture of about two dozen kinds contains all shades and shapes; red, white, pink, variegated; round, half-long and long, in great variety. It is all the go for small gardeners, where space is limited and you want to make garden and be done with it. One sowing does for the whole season, as they come early, medium, and late. You always have some that are just right. You will be surprised and delighted with our popular radish mixture. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

## WINTER RADISH

**SAKURIJIMA.**—This is a giant variety of radish from Japan. It has been grown to the enormous dimensions of 43 inches in circumference. The flesh is solid, firm and brittle, and of excellent flavor. It will grow and thrive in any ordinary garden soil. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00.

**CALIFORNIA MAMMOTH WHITE.**—Large size, eight to twelve inches long, two to three inches thick, white, solid, of good quality. A very popular sort with market gardeners for late selling. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**CHINA ROSE WINTER.**—A bright rose colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**LONG BLACK SPANISH.**—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

## RHUBARB OR PIE PLANT

(One ounce will produce about 100 plants.) For price of rhubarb roots, see page 36. Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin to six inches apart; transplant in the fall or spring to permanent beds three feet apart each way.

**IDEAL MAMMOTH.**—The largest pie plant grown. Leaves four feet across; stalks three inches in diameter and three and one-half feet long, and this is not unusual. Have had them that large on two-year-old plants. They have a habit of dying down in midsummer and starting growth in August and September, which makes it just right for canning for winter use. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c. Roots 35c each, doz. \$3.00, prepaid; not prepaid, \$2.50 per dozen.

**VICTORIA.**—For many years the standard variety of rhubarb. Stalks are not so large as Ideal Mammoth, but are preferred by many on account of their more piquant and richer flavor. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

BLACK SPANISH  
and CHINA ROSE  
WINTER RADISH

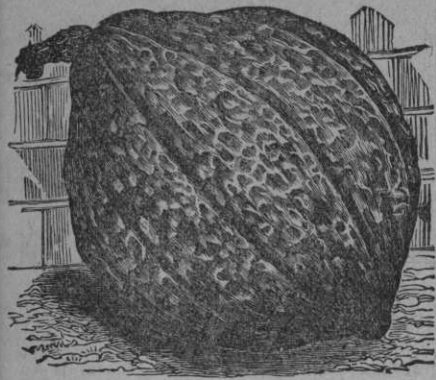
YOU CANNOT BUY BETTER RADISH SEED THAN OURS NO MATTER WHAT THE PRICE OR WHERE YOU OBTAIN THEM.

One ounce of early varieties will plant about forty hills, 2 lbs. per acre.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

## SQUASH

One ounce late varieties will plant about twenty hills, 4 lbs. per acre.



EARLY PROLIFIC MARROW

**DELICIOUS.**—A most desirable new winter variety. Color is green. Is about the same size as the Hubbard. Has very thick flesh, cooks dry and is of superior flavor. Although a good fall variety, it is best during the winter. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

**TRUE HUBBARD.**—This sort is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and rich flavor; keep in perfect condition throughout the winter. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

**SYME'S BLUE HUBBARD.**—A new strain of Hubbard and a splendid squash. Very thick meat, fine grained, dry and excellent flavor. Color clear, light blue; thick shelled and a good keeper. It is a great improvement over the old Marblehead variety. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.00.

**GOLDEN HUBBARD, also called Red Hubbard.**—A counterpart of the old Green Hubbard, except in color, which is a bright, deep, orange yellow; fine flavor; in productiveness excels the green variety. Every market gardener will find it a "seller." Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

**MAMMOTH CHILI.**—The "Jumbo" of the family. Outer color rich orange yellow; skin smooth, wide fissures. Flesh very thick and of a yellow color. They keep well and are profitable for stock. Have been grown to weigh over 200 lbs. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

**PEERLESS VEGETABLE MARROW.**—In England they consider this far superior to squash. Peerless is the most desirable sort, fruits being handsome shape, creamy white color, of excellent flavor. Very productive. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$2.00.

## SALSIFY

### VEGETABLE OYSTER

(One ounce will sow 50 feet of drill, 8 lbs. to the acre.)

It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in the winter, when the supply of really good vegetables is limited. It has the true oyster flavor and is a delicious substitute for them in soup, etc. Cultivate like parsnips.

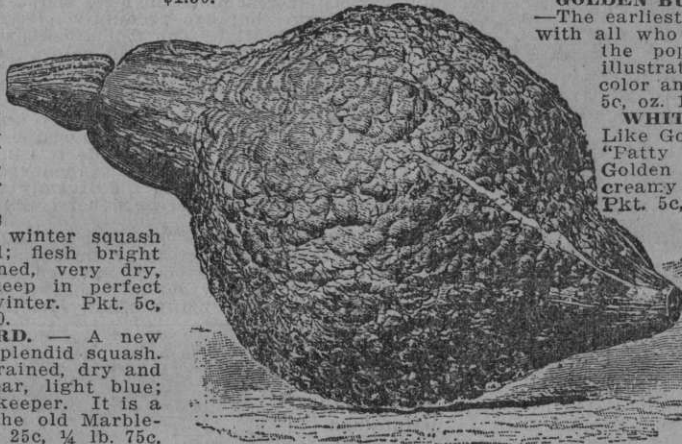
**MAMMOTH SANDWICH ISLAND.**—The best and most popular variety. The roots are white, smooth, and of superior quality. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.25.



SALSIFY

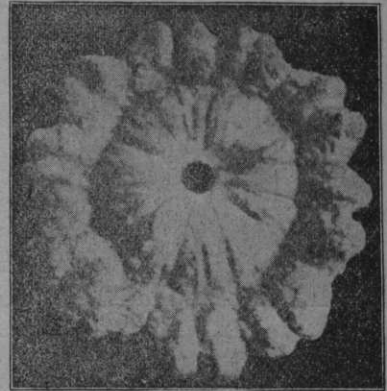
**DES MOINES SQUASH.**—Introduced by us under the name "Table Queen." Name changed at the request of Des Moines Market Gardeners Association. Vines are vigorous and very productive. Just the right size, averaging about 6 to 8 inches long and 4 to 6 inches in diameter. Color dark green, with sometimes a blotch of red at pointed end. Shell is hard and smooth, and ridged as shown in picture on page 34. Just wash it clean, cut in half, take out the seeds, bake 20 minutes and you will have the nicest squash you ever tasted. Splendid for pies. Ripens in the fall and keeps long as Hubbard. A novelty which we introduce with confidence. See Thrift Collection, page 34. Pkt. 10c, oz. 25, ¼ lb. 75c, lb. \$2.50.

**EARLY PROLIFIC MARROW.**—Early and productive. In color brilliant orange-red; good cooking and keeping qualities. Ripens earlier than the Hubbards and is useful as an early fall variety. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.



TRUE HUBBARD

"choky" quality common to winter squashes. Always rich, sweet and splendid flavor. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$2.00.



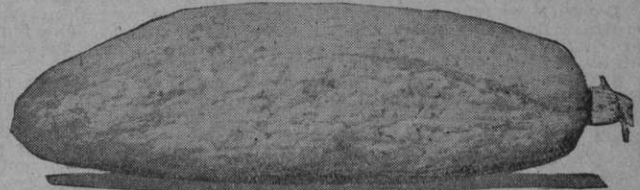
GOLDEN BUSH

**GOLDEN BUSH.**—(Yellow Bush Scallop.)—The earliest of all and quite a favorite with all who like summer squash. It is the popular shape shown in the illustration, bright golden yellow color and of excellent quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

**WHITE BUSH SCALLOPED.**—Like Golden Bush. Sometimes called "Fatty Pan." Differs from the Golden Bush in color only, being creamy white without other shading. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

**EARLY BUSH CROOK-NECK.**—Splendid, early, productive, fine quality. No summer squash superior to this. Shape long, with curving neck, skin warted. Preferred by many as the best early summer squash. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. \$2.00.

**BANANA.**—A distinct variety of fall and winter squash; very prolific, grows to 2 ft. or over in length; very fine grained, heavy; cooks dry but free from



BANANA SQUASH

(One ounce will sow 80 ft. of drill.) **SPINACH** (10 lbs. is required to sow one acre.)

Makes the finest "greens" of any plant in cultivation. For summer sow early in spring in deep, rich soil, one foot apart in drills; cover one inch; sow at intervals of two weeks all summer. For very early use sow in September and protect.

**VICTORIA.**—A variety distinguished for its very long standing qualities, being two or three weeks later than the ordinary varieties. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**LONG STANDING.**—Standard with gardeners; leaves are thick, fleshy and crumpled. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**BLOOMDALE.**—Savoy - leaved, curled sort. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



VICTORIA SPINACH

IF YOU RAISE MORE SQUASHES THAN YOU CAN SELL ON THE MARKET, THE LIVE STOCK WILL EAT THEM EAGERLY.



# TOMATO

(One ounce will produce about 2,500 plants.)

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past, transplant to the open ground, four to six feet apart each way. Well manured, light, sandy, soil is best. Our tomato seed is saved from hand picked fruits. No decayed or deformed tomatoes are used.

**SPARKS' EARLIANA.**—Probably no early tomato has so large a sale as Sparks' Earliana. Extremely early, remarkable for its large size, handsome shape, and beautiful

bright red color. One of the most profitable crops for the market gardener and especially desirable in the home garden. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb., \$1.25, lb. \$4.00.

**JOHN BAER.**—This variety is offered as one of the earliest for home and commercial use. In our trials we found it to mature about the same time as Spark's Earliana, which variety it resembles in size, shape and color. Vines are not very large, but are productive, bearing the fruits in clusters and abundantly. The Tomatoes are of medium size, nearly round in shape, scarlet in color and of excellent flavor. On account of the large yield, desirable size and shape, this variety it suited both for early market and home use. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**BONNIE BEST.**—A very early and desirable variety. The fruits are most attractive in shape, solidity and color, which is bright scarlet from outside to center. The vines are strong and vigorous, producing a good crop of round, globe-shaped fruits which ripen more uniformly than other early sorts. A favorite with market gardeners. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**SUPERLATIVE.**—The best of all the main crop, medium sized tomatoes. Fruits are medium size, very solid, and without exception the best flavored red tomato we have ever grown. It is very handsome, being a pinkish crimson in color. While we grow many other varieties on our seed farm, our

women folks use Superlative in preference to any other. See Thrift Collection, page 34. Pkt. 10c, oz. 50c.

**MATCHLESS.**—Well worthy of its name, for in beauty, color and symmetry of form it is indeed without a peer. Vines of strong, vigorous growth, well set with fruit. Very rich cardinal red color, and not liable to crack from wet weather; of large size, and the size of fruit is maintained throughout the season. Solid, of fine quality, keeps well. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.10, lb. \$4.00.

**PERFECTION.**—Large and round, smooth and handsome red fruit of highest quality. It proves very satisfactory for forcing under glass. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$3.00.

**DWARF STONE.**—A dwarf, upright growing plant with fruits fully as large as the standard Stone variety. The fruits are held up well, while it is far superior to any of the other kinds in size. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.10, lb. \$4.00.

**STONE.**—One of the best standard sorts. Color bright red. Fruit large size, perfectly smooth and of best table quality. Much used for canning. Productive. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**LIVINGSTON'S BEAUTY.**—One of the best. Its size, beauty, shape, color, flavor and productiveness make it desirable to market growers. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**DWARF CHAMPION.**—Plant dwarf and compact, stem stiff and short jointed, almost self-supporting when it is laden with fruit. Early. Color is purplish pink. Fruit is smooth, symmetrical, solid and of fine quality. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**GOLDEN QUEEN.**—Large, yellow. Its fruit is smooth and of finest flavor; ripens evenly; handsome. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.10, lb. \$4.00.

**PONDEROSA.**—Very large, inclined to be irregular in shape, but of fine quality. A variety quite generally known, popular. Fruits solid, color purple. Pkt. 10c, oz. 45c,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.50.

**CRIMON CUSHION.**—Can be grown on trellises. Grows 7 to 10 feet high, if desired; most of fruit is borne 3 to 4 feet from the ground. Fine quality, extremely large, excellent. Pkt. 10c, oz. 45c,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.50.

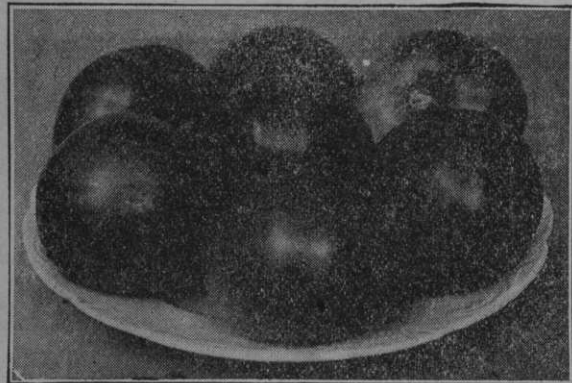
**WONDER MAGNUS.**—Deep rich, red color, very solid and containing few seeds. The best of the potato-leaved tomatoes. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.



BONNIE BEST



JOHN BAER



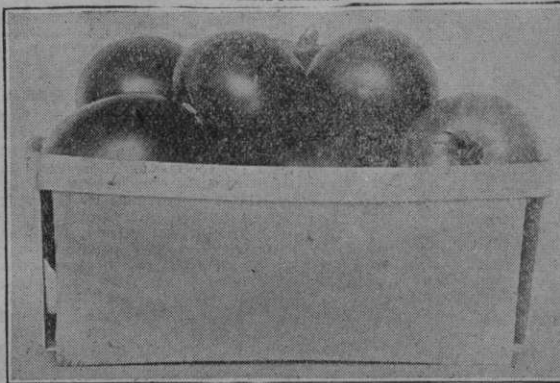
SUPERLATIVE



LIVINGSTON'S BEAUTY



MATCHLESS



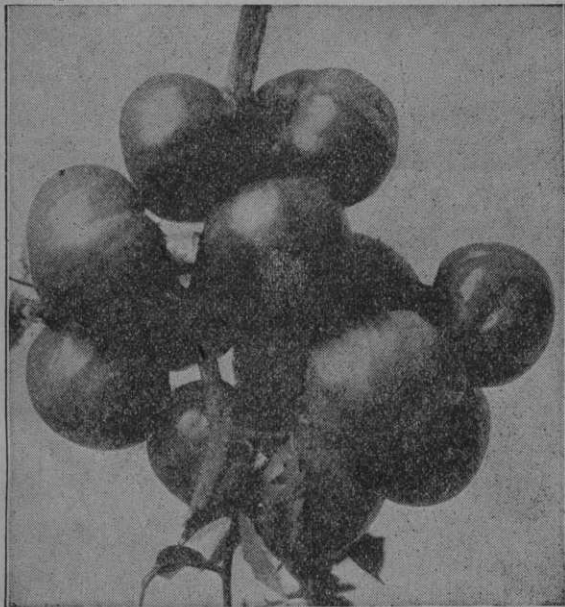
THE STONE TOMATO

# GRAND TOMATO TRIO

## THE THREE MAJESTICS

One Packet Each of the Three Majestics, 25c

**MAJESTIC.**—This is the largest, handsomest and finest quality tomato ever sent out. When we first secured this grand sort we knew that it was of exceptional merit and superior in size and flavor to anything on the market, but we were astonished at the reports received from our numerous customers. Undoubtedly the largest fruited of any, and the fruit is solid, weighing more than its size would indicate. The first fruits matured are somewhat rough, but later they are smooth and handsome, of rosy red color, its core blending into delicate shell-rose tints. Fruit is unusually solid, with very small seed cells. Flesh is tender, fine grained and rich, yet of mild, delicate flavor, being of the sub-acid class. Plant is of vigorous growth and many of our customers report specimens of 3 lbs. to 7 lbs. each. The largest were, of course, grown by special culture. There were also many reports of 120 to 160 lbs. of tomatoes grown on one plant. Pkt. 10c, oz. 50c, ¼ lb. \$1.50.



CLUSTER OF MAJESTIC TOMATOES

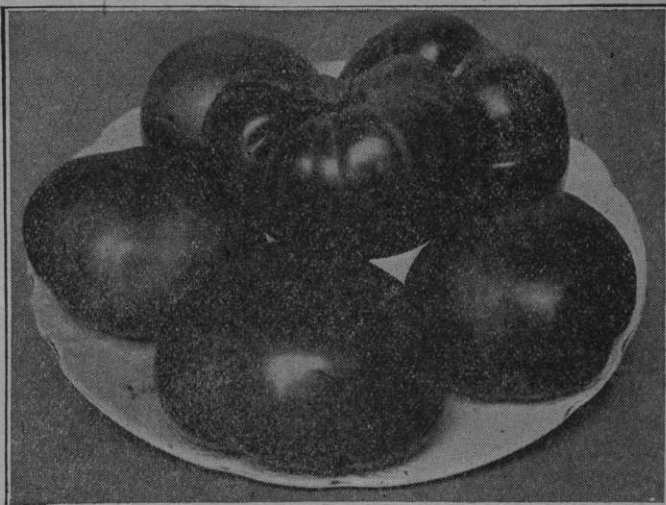
### MAJESTIC TOMATO PLANTS

**STRONG, WELL-GROWN, TRANSPLANTED**  
 Majestic ..... Per dozen, 40c; per 100, \$2.00  
 Red Majestic ..... Per dozen, 40c; per 100, 2.00  
 Golden Majestic .. Per dozen, 40c; per 100, 2.00

One dozen of each only \$1.00, postpaid.



GOLDEN NUGGET TOMATO



RED MAJESTIC TOMATOES

**RED MAJESTIC.**—This new sort appears to have all the good qualities as well as large size of the world-renowned Majestic, but is a bright cardinal red in color, and for this reason may be preferred. Bears its fruit well up from ground, out of reach of the chickens. Many growing both this and the Purple Majestic pronounce the red variety superior. Pkt. 10c, oz. 50c, ¼ lb. \$1.50.

**GOLDEN MAJESTIC, the \$1,800.00 Tomato.**—A magnificent new variety which originated in northern Iowa, and we were so favorably impressed with it that we bought all the stock in existence and paid for same at the rate of \$1,800.00 per lb. It is the golden member of the great triumvirate, fully equal to its elder brothers in size, solidity, yield and flavor. Without hesitation, we pronounce it the grandest yellow tomato in existence. Nothing presents a more appetizing appearance than thick, luscious slices of alternating purple, red and yellow, cut from our Majestics. A trial will convince you of their superior qualities. Pkt. 15c, oz. 50c.



PLANT OF MAJESTIC TOMATO

### PRESERVING TOMATOES

**GOLDEN NUGGET.**—(See Canning Club Collection, page 13.) Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Flavor exceptionally fine, and a most desirable variety for eating from the hand or as a dessert fruit. Plants are loaded with most beautiful, rich, golden yellow fruits of delicious flavor. Pkt. 10c, oz. 75c.

**PEACH.**—Named from its resemblance to a peach in size and shape. Color a peculiar shade of pink and orange, differing from ordinary tomatoes. A fine sort for preserving. Pkt. 10c, oz. 50c.

**YELLOW PEAR.**—A favorite with all who know them. Pear-shaped and a deep yellow color. Highly valued for preserving or to make "tomato figs." They are fine pickled. Pkt. 10c, oz. 40c, ¼ lb. \$1.

**CRIMSON CURRANT.**—A most charming little fruit, hardly more than a half inch in diameter, of bright crimson color; borne in long clusters containing from twenty to sixty tomatoes. Excellent for eating from the hand or preserved. Pkt. 10c, oz. 60c.

**STRAWBERRY, or Husk Tomato.**—Also called Ground Cherry. Is of spreading habit and immensely productive. Pkt. 10c, oz. 40c.

THERE ARE NO TOMATOES IN THE WORLD SUPERIOR TO OUR THREE MAJESTICS. PROVE THEIR MERITS BY A TRIAL.



One ounce will sow 150 feet of drill.

**TURNIP**

Two pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower if possible.

**EXTRA EARLY PURPLE TOP MILAN.**—One of the earliest sorts in cultivation. Bulb very flat, medium size, quite smooth, with a bright purple top; grows compact and makes exceedingly small strap-leaved top. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 60c.

**EARLY WHITE MODEL.**—Much like the above, but is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 60c.

**EARLY SNOWBALL.**—A globe-shaped, white-skinned turnip, very fine grained, firm and of delicate flavor. One of the best keeping of white fleshed sorts, very early and particularly adapted for market use. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**GOLDEN BALL, or Orange Jelly.**—A beautiful bright yellow turnip of medium size and universally sweet and delicious flavor. Is hardy and one of the best keepers. Flesh extremely firm and solid. Brings good price on market. If you have never tried yellow turnips we advise you to plant some of the Golden Ball this year. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**PURPLE TOP GLOBE.**—Similar to the Purple Top Strap Leaved except shape. The largest yielder of any turnip on the list and always brings top market price. Produces wonderful crops, as much as 1,000 bushels per acre frequently. A splendid item for winter stock feeding. Usually fed in connection with mixed grain feeds. It is so fine in quality that it is very desirable for table use. See Thrift Collection, page 34. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**PURPLE TOP STRAP LEAVED.**—The standard for this part of the country for late planting, and we sell immense quantities of it every year. One of the best table and stock sorts on the market, fine grained and of mild flavor. Of good size, flat shape, pure white below with purplish red top. Good cropper, excellent keeper. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**WHITE EGG.**—A quick-growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. The flesh is very sweet and mild, never having any rank, strong taste. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**MIXED TURNIPS.**—All the table varieties mixed in equal proportions. For family use. Pkt. 5c, oz. 15c  $\frac{1}{4}$  lb. 50c.

**RUTA BAGA**

Largely grown in the north for stock feeding, and for this are superior to turnips. Sow in June in drills 2 feet apart and thin out to 8 inches in the row.

**IMPROVED AMERICAN.**—Very solid, fine quality, good shape, smooth skin, small neck, keeps well. A choice strain of very best quality for table use or stock feeding. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**MONARCH.**—This grand new and distinct form of ruta бага is, we believe, by far the most productive of all. Of tankard shape with very small neck, skin dark red above ground and yellow below. The flesh is rich yellow in color, fine grained and of good quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

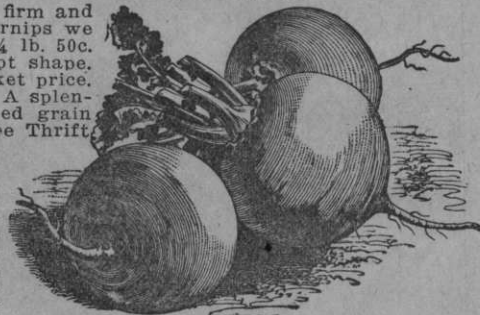
**TOBACCO**

**BIG ORONOCO.**—A favorite Virginia variety. Grows very large, broad leaves. A fine variety for dark plug wrappers and brings a good price in the market. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.

**CONNECTICUT SEED LEAF.**—This is a staple variety in all sections of the country and will grow successfully over a wide range of territory. Used for cigar fillers. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.

**HAVANA.**—The best known variety, as it is used very largely for cigar wrappers. Commands the highest market price when well grown and cured. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.

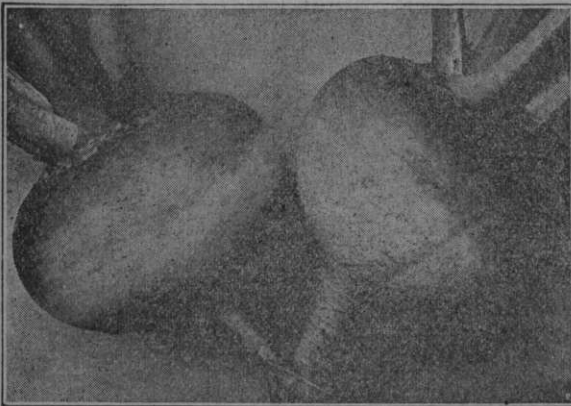
**WHITE BURLEY.**—A mild and sweet tobacco. It is the standard main crop variety in the tobacco sections as it is extra fine for manufacturing in nearly every manner that tobacco is used. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.



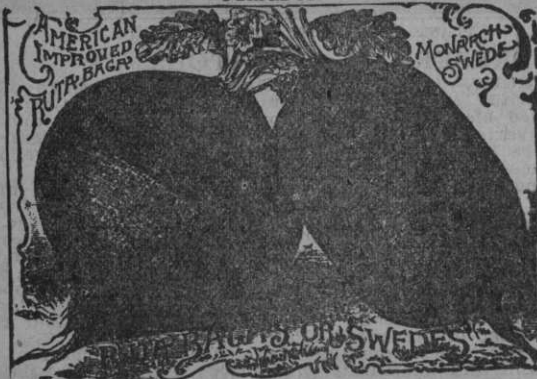
WHITE EGG.



PURPLE TOP STRAP LEAF



PURPLE TOP GLOBE

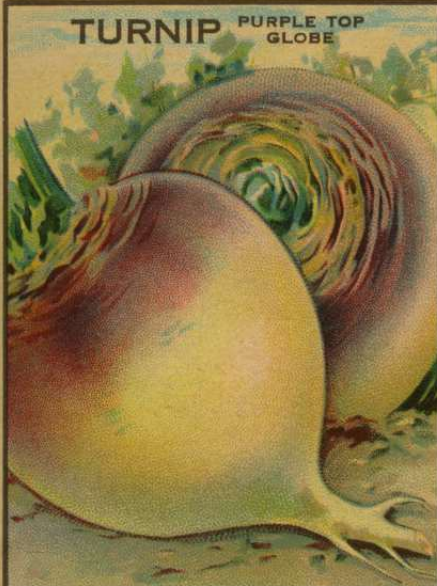


TOBACCO

GET THE SMALL GRAIN OFF EARLY AND SOW TURNIPS ON THE STUBBLE. TWO CROPS MAY BE SECURED IN THIS WAY.



**TURNIP** PURPLE TOP GLOBE



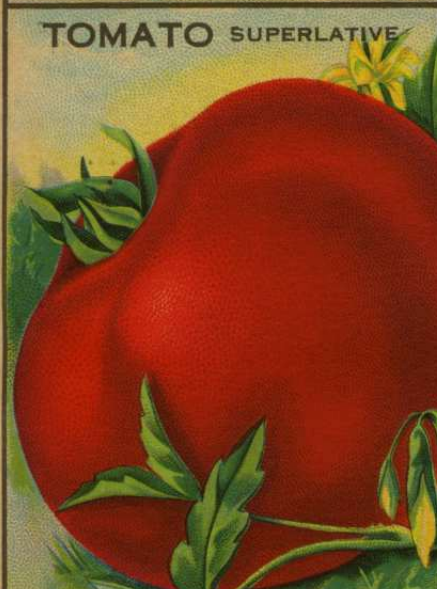
**CUCUMBER** DAVIS PERFECT



**PARSNIP** IMPROVED GUERNSEY



**TOMATO** SUPERLATIVE



# THRIFT COLLECTION

ONE FULL SIZE PACKET EACH OF THESE EIGHT SUBSTANTIAL VEGETABLES FOR 50¢ POSTPAID.

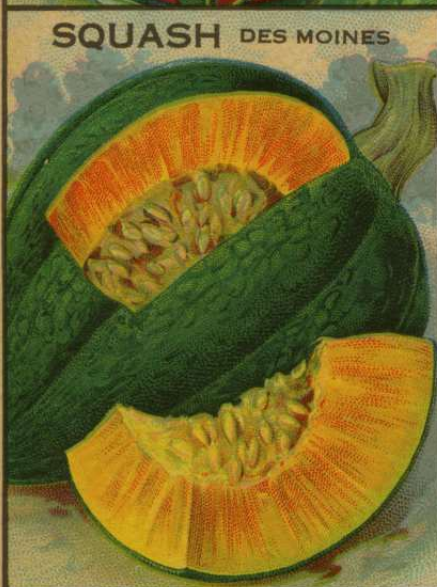
- TURNIP  
*Purple Top Globe.*
- CUCUMBER  
*Davis Perfect.*
- PARSNIP  
*Improved Guernsey.*
- TOMATO  
*Superlative.*
- BEET  
*Market Gardeners.*
- SQUASH  
*Des Moines.*
- ONION  
*Golden Globe.*
- CABBAGE  
*Surehead.*

**IOWA SEED CO.**  
DES MOINES IOWA U.S.A

**BEET** MARKET GARDENERS



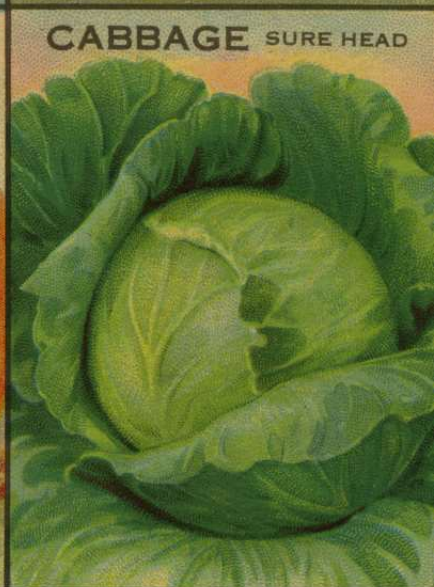
**SQUASH** DES MOINES



**ONION** GOLDEN GLOBE



**CABBAGE** SURE HEAD

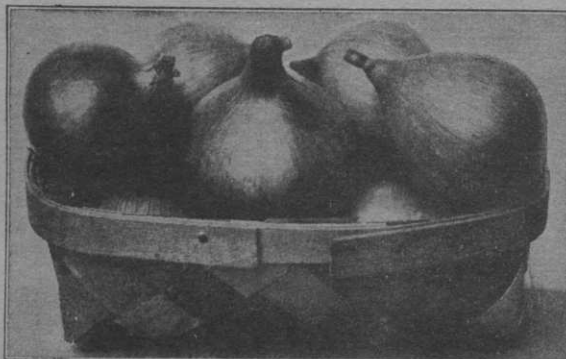




# THE THRIFT VEGETABLE COLLECTION

## Eight Substantial Home Garden Vegetables.

One Packet of Each Sent Postpaid for only 50 cents anywhere in the United States



GOLDEN GLOBE ONIONS

first class main crop, late sort. Heads are almost round, solid and keep well in winter. It has been for a long time a rival of Premium Flat Dutch and still preferred by many to that excellent sort. Pkt. 10c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.

### Davis Perfect Cucumber

A good variety every way. Vines are stronger and leaves larger than most sorts, making a vigorous plant. The fruits are really perfect in all stages both as pickles, slicing cucumbers or cucumbers for sweet pickles. They are a lively, rich, green with white shading at the blossom end. Very tender, brittle and splendid flavor. A profuse bearer. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

### Market Gardeners Beet

Without exception the one very best variety for the home garden. Almost as early as the early varieties and if not used early in the summer will not become woody but remains tender and crisp for winter use. A handsome oval in shape, rich red in color, fine grained and sweet. A vigorous grower and if given plenty of room on good ground grows to large size. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

### Improved Guernsey Parsnip

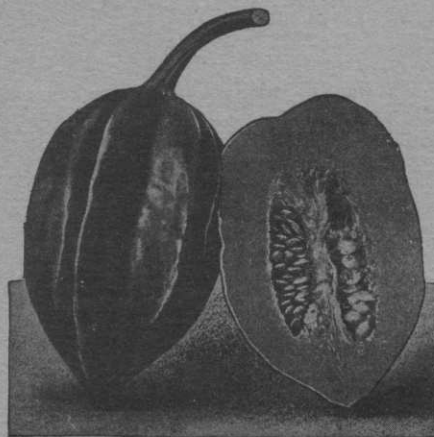
We introduced this excellent English variety to our customers several years ago and it not only became popular but its popularity is increasing, and justly so, as it is quite an improvement over the well known Hollow Crown, being shorter and not so slender. But its most desirable quality is that it cooks done as quickly as potatoes. Keeps well either when left out over winter or if stored in cellar. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

### Golden Globe Onion

—A select and highly developed strain of this type of onion. Preferable to red varieties because it is milder in flavor and handsome. It is solid and heavy, a splendid keeper, very uniform in shape, size and color. Certainly a good looker and as good as it looks. Pkt. 10c; oz. 30c; ¼ lb. \$1; lb. \$3.00.

### Surehead Cabbage

This standard variety is properly named; makes fine solid heads with few outer leaves when it matures. A



DES MOINES SQUASH

### The Des Moines Squash

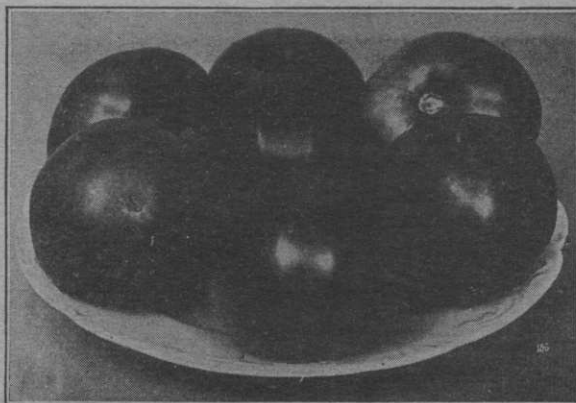
(Formerly Table Queen.) This variety was introduced by us in 1914. It has since become very popular with market gardeners in this and surrounding states. Baked halves of Table Queen were served at the annual banquet of the Minnesota Vegetable Growers' Association two years ago and caused much favorable comment. The Iowa Vegetable Growers in their convention last year passed a resolution that the name be changed to include the name Des Moines. The entire name would be too long to be serviceable so we have dropped the name Table Queen and now list it as Des Moines. It is the same squash of unsurpassed flavor and sure to please. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

### Superlative Tomato

It may seem extravagant to use the term "the best" yet this new variety is so much superior in quality and productiveness that it is well worthy of its name. The plant is vigorous and healthy with plenty of foliage. The fruits are large, very smooth, thick meaty, very solid, has never shown signs of rot or disease. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

### Purple Top Globe Turnip

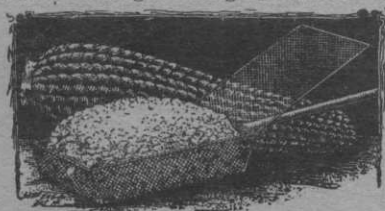
A standard variety, the largest of the table turnips, smooth skinned pure white with bright purple top, fine grained, firm, and sweet. A heavy yielder and a good keeper. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.



SUPERLATIVE TOMATO

## COLLECTION FOR THE CHILDREN'S CORNER

All children, and grownups, too, love melons, peanuts, pop corn and other good things to eat. Devote a small plot in the garden to the production of these items. Let the children have their own plot, do their own harvesting and see how much enjoyment they get from their work. They will take a great deal more interest in gardening for peanuts and pop corn, melons and fruits than they will in the growing of ordinary vegetables. The ground cherry, melons and tomatoes may be eaten as they ripen while the chufas, peanuts and pop corn will be a delight during the winter. Refer to illustrations and descriptions in the catalogue.



1 pkt. Yellow Ground Cherry, sweet and good;  
1 pkt. Peach Tomato, fine flavored and small size;  
1 pkt. Tip Top Musk Melon, large and fine quality;  
1 oz. Sweetheart Water Melon, as good as its name;  
1 pkt. Australian Hullless Pop Corn, the best pop corn variety;  
1 oz. Chufas or Earth Almond, small sweet ground nuts of delicious flavor; ¼ lb. Spanish Peanuts, can be grown in any good soil.

Seven items of the best, and in quantity sufficient, amounting at regular value to 80 cents.

MAILED POSTPAID FOR ONLY 50 CENTS.



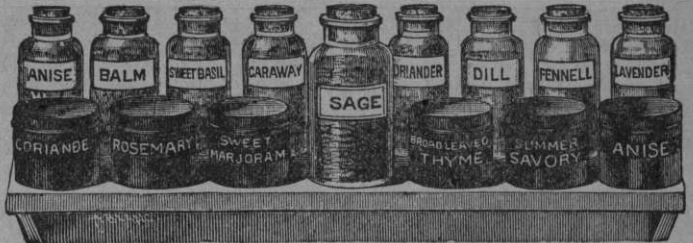
SPANISH PEANUTS

EVERY CUSTOMER SHOULD HAVE BOTH COLLECTIONS SHOWN ON THIS PAGE. COLORED ILLUSTRATIONS ON OTHER SIDE

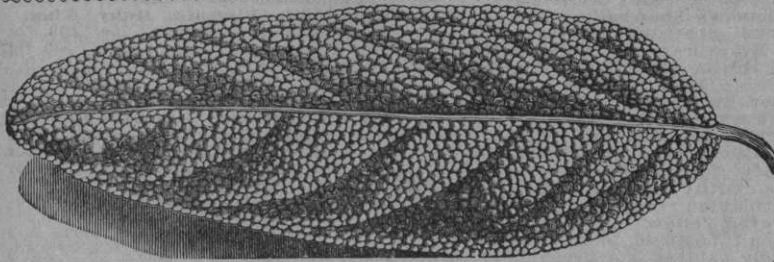
## HERBS

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly and packed closely and entirely excluded from air. Those marked with an asterisk (\*) are perennial.

- ANISE.**—Seeds of agreeable, aromatic taste. Pkt. 5c; oz. 10c.  
**BALM.**—For making balm tea. Pkt. 5c; oz. 25c.  
**BASIL, SWEET.**—For flavoring soups, stews, etc. Pkt. 5c; oz. 15c.  
**BORAGE.**—Leaves used for flavoring. Pkt. 5c; oz. 15c.  
**CARAWAY.**—Seeds are used for flavoring bread, etc. Pkt. 5c; oz. 10c.  
**CATNIP, or Catmint.**—For seasoning. Pkt. 5c; oz. 30c.  
**CORIANDER.**—Seeds used in confectionery. Pkt. 5c; oz. 10c; ¼ lb. 25c.  
**CASTOR OIL PLANT.**—Seeds are pressed out to obtain oil. Pkt. 5c; oz. 10c; ¼ lb. 20c, 1b. 50c.  
**CHAMOMILE.**—Largely used for medicinal purposes. Pkt. 10c.  
**DANDELION.**—Grown for greens, also for medicine. Pkt. 5c; oz. 35c.  
**DILL.**—Used in making dill pickles. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 60c.  
**FENNEL, SWEET.**—Leaves used in sauces. Pkt. 5c; oz. 10c.  
**HYSSOP.**—For asthma and catarrh. Pkt. 5c; oz. 20c



- \*HOREHOUND.**—For seasoning and cough remedy. Pkt. 5c; oz. 20c.  
**\*LAVENDER.**—Used as a perfume. Pkt. 10c; oz. 25c.  
**MARJORAM, SWEET.**—For seasoning. Pkt. 5c; oz. 15c.  
**POPPY, or Maw.**—Blue Seeded. Pkt. 5c; oz. 10c.  
**\*ROSEMARY.**—Aromatic leaves used for seasoning. Pkt. 5c; oz. 40c.  
**SAFFRON.**—Flowers used for coloring. Pkt. 5c; oz. 15c.  
**\*SAGE.**—Much used for dressing. Pkt. 5c; oz. 20c; ¼ lb. 70c; 1b. \$2.50.  
**SUMMER SAVORY.**—Used for flavoring. Pkt. 5c; oz. 20c.  
**\*THYME.**—Leaves and young shoots used for seasoning. Pkt. 5c; oz. 40c.  
**\*WORMWOOD.**—Used medicinally, and also for poultry. Per pkt. 5c; oz. 20c.  
**MIXED VARIETIES.**—A mixture of all the above. A nice garden assortment. Pkt. 5c; oz. 20c; ¼ lb. 65c.



HOLT'S MAMMOTH SAGE—AVERAGE SIZE LEAF

**ARTEMISIA, or Broom.**—A hardy plant sometimes called "Old Man." This perennial herb is not fully appreciated. It has great medicinal value and should have a place in every garden. The leaves have a pleasant odor and bitter taste. Use similar to wormwood. Each 15c; 3 for 40c.

**CALAMUS—Plain Leaf.**—(Acorus.)—Also called "Sweet Flag." Leaves have an aromatic odor and roots a pungent taste. Grows in wet soil or beside ponds, but can be grown in dry places also. Each 15c; doz. \$1.50.

**CHIVES.**—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. Plant in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. Roots per bunch 15c; 3 for 40c; dozen \$1.25.

**CATNIP, or Catmint.**—A well known perennial herb having great medicinal value. Used largely for infants. Each 15c; 3 for 40c; dozen \$1.25.

**HOP ROOTS.—Golden Cluster.**—A fine variety of commercial hops. The vines are very ornamental when trained over rockeries, stumps, etc., with the added value of usefulness from the crop produced. Each 15c; 3 for 40c; dozen \$1.25.

**LEMON MINT.**—Also called Citronelle. A perennial, hardy herb, leaves of which furnish a sweet lemon fragrance and flavor. Each 15c; 3 for 40c; dozen \$1.25.



CHIVES

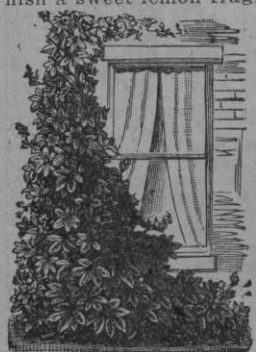
**MONARDA DIDYMA.**—Also called Scarlet Bergamot and Oswego Tea. Not only useful as an herb, but very ornamental with its bright scarlet flowers. Each 15c; 3 for 40c; dozen \$1.25.

**PEPPERMINT.**—All children know and like the flavor of peppermint. It has a high medicinal value. Any pantry collection of dried herbs is incomplete if it does not contain some peppermint. Be sure that your order calls for at least a few plants. Each 15c, 3 for 40c; dozen \$1.25.

**GENUINE PENNYROYAL.**—Warm, pungent, of somewhat aromatic taste; used for medicinal purposes. Each 15c; 3 for 40c; doz. \$1.50.

**ROSEMARY.**—Used for perfume; for flavoring meats, stews, etc., and garnishing. Each 15c; 3 for 40c; doz. \$1.25.

**HOLT'S MAMMOTH SAGE.**—Great improvement on common sage. Plants very strong growing; leaves are very large and of unusual substance, strong in flavor and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common sort. Each 20c; 3 for 50c; dozen \$1.75.



ENGLISH CLUSTER HOP

## GARDEN PLANTS AND ROOTS

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants must amount to at least twenty-five cents. We pay the postage.

**LAVENDER.**—A favorite plant with our grandmothers for perfuming wearing apparel, by distributing its sprays in the bureau drawers. Each 15c, 2 for 25c.

**VARIEGATED MAMMOTH SAGE.**—Beautifully variegated dark green and pure white color, which makes it a very ornamental plant; equal to Holt's in productiveness and flavor; new and scarce. 25c.

**SPEARMINT.**—This is commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meats, etc. Each 15c; 3 for 40c; doz. \$1.25.

**THYME.**—A well known plant which is used for sauces and flavoring. Each 15c; 3 for 40c.

**TANSY.**—Used largely for its tonic, stomachic and other medicinal qualities. Each 15c; 3 for 40c; doz. \$1.25.

**TARRAGON.**—The true tarragon is appreciated thoroughly by all who know of it, for the use of its aromatic leaves in seasoning salads, soups, pickles, etc., and also for tarragon vinegar. Each 25c; 3 for 60c; doz. \$2.00.

### HOUSEWIFE HERB COLLECTION

3 bunches Chives, 1 Hop Vine, 2 Holt's Mammoth Sage, 2 Lavender, 1 Rosemary and 3 Spearmint; all postpaid for \$1.50.



TARRAGON

NO PANTRY OR GARDEN IS COMPLETE WITHOUT ITS ASSORTMENT OF HERBS FOR SEASONING OR MEDICINAL USES.





Well grown and lightly packed to carry a long distance. They can be shipped fresh, well packed at the beds, on a day's notice. All are strong, transplanted plants unless otherwise stated. Plants quoted "by mail" are sent at our expense; "by express" the purchaser is to pay the express charges. No charge either for packing or boxes. Plants from either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. 500 sold at 1,000 rate. Large orders for more than 1,000 plants should be placed at least 30 days before shipping date.

#### EARLY CABBAGE.

Transplanted ready April 10.  
**Early Jersey Wakefield.**  
**Washington Wakefield.**  
**All-Head Early.**  
By mail postpaid, 25 for 35c, 100 for \$1.00. By express, not prepaid, 100 for 85c, 1,000 for \$7.50.

If preferred we can furnish seedling plants, not transplanted, by mail postpaid, 25 for 25c, 100 75c. By express, not prepaid, 100 for 60c, 1,000 for \$5.00.

#### LATE CABBAGE.

Ready May 15; field grown after June 15.

**Premium Flat Dutch.**  
**Short Stem Drumhead.**  
**Danish Ball Head.**  
By mail postpaid, 25 for 25c, 100 for 75c. By express, not prepaid, 100 for 60c, 1,000 for \$5.00.

#### CELERY.

Transplanted ready May 1.  
**White Plume.** **Giant Pascal.**  
**Golden Self Blanching.**  
By mail postpaid, doz. 20c, 100 for \$1.00. By express, not prepaid, 100 for 85c, 1,000 for \$7.50.

After June 15 we can furnish outdoor plants, not transplanted, by express, not prepaid, 100 for 60c, 1,000 for \$5.00.



### ASPARAGUS ROOTS

When once set, a bed will last many years. Our roots are strong and healthy. We recommend the one-year-old roots as more desirable for general planting than the two-year-old, as well as cheaper. Ask for circular giving directions for planting.

**CONOVER'S COLOSSAL.**—One year plants.—Per doz. 30, 100 for \$1.50, postpaid. By express or freight, not prepaid, 100 for \$1.25, 1,000 for \$10.00.

**Two year plants.**—Per doz. 50c, 100 for \$2.50, postpaid. By express or freight, not prepaid, 100 for \$2.00, 1,000 for \$15.00.

**PALMETTO.**—One year plants.—Per doz. 30c, 100 for \$1.00, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for \$6.00.

**Two year plants.**—Per doz. 55c, 100 for \$2.50, postpaid. By express or freight, not prepaid, 100 for \$2.00, 1,000 for \$15.00.

**BONVALLET'S GIANT.**—Per doz. 30c, 100 for \$1.10, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for \$6.00.

**Two year plants.**—Per doz. 55c, 100 for \$2.50, postpaid. By express or freight, not prepaid, 100 for \$2.00, 1,000 for \$15.00.

### Rhubarb Roots

Everyone realizes the value of rhubarb or pie plant in the home garden. The best way to get a start is to purchase a few roots, as you can save one year's time in this way. The roots we offer are not seedlings but large divided plants. Plant in spring or fall, setting plants 3 feet apart each way.

**VICTORIA.**—The standard for general use. Each 25c, 5 for \$1.00, dozen \$2.00, postpaid. By express, not prepaid, per doz. \$1.50.

**IDEAL MAMMOTH.**—The largest and best variety. See description in vegetable seed department. Strong roots 35c each, doz. \$3.00, postpaid. By express, not prepaid, per doz. \$2.50.



GARLIC ROOTS.

#### CAULIFLOWER.

Transplanted ready April 15.  
**Henderson's Snowball.**  
By mail postpaid, doz. 25c, 100 for \$1.50. By express, not prepaid, 100 for \$1.25, 1,000 for \$10.00.

#### EGG PLANT.

Hotbed grown ready May 1.  
**New York Improved.**  
By mail postpaid, doz. 35c, 100 for \$1.50. By express, not prepaid, 100 for \$1.25, 1,000 for \$12.50.

#### GROUND CHERRY.

Transplanted ready May 1.  
**Improved Yellow.**  
By mail postpaid, doz. 25c, 100 for \$1.25. By express, not prepaid, 100 for \$1.00, 1,000 for \$8.00.

### VEGETABLE PLANT COLLECTION

#### JUST ENOUGH FOR THE HOME GARDEN

#### READY FOR MAILING MAY 1st.

It often happens that you would prefer to buy a few vegetable plants rather than bother with growing from seed. We appreciate this fact and offer you the following collection as a veritable bargain:

12 Tomatoes, 25 Early Cabbage, 6 Pepper, 6 Egg Plant, 25 Celery, 50 Sweet Potatoes. All by mail, postpaid, for \$5.

#### PEPPER.

Transplanted ready May 1.  
**Red Chili.** **Pimento.** **Ruby King.**  
By mail postpaid, doz. 25c, 100 for \$1.25. By express, not prepaid, 100 for \$1.00, 1,000 for \$7.50.

#### TOMATO.

Transplanted ready May 1.  
**Sparks' Earliana.** **Beauty.** **Stone.**  
**Dwarf Champion.** **Matchless.**  
By mail postpaid, doz. 25c, 100 for \$1.40. By express, not prepaid, 100 for \$1.00, 1,000 for \$8.00.

Not transplanted, by express, not prepaid, 100 for 75c, 1,000 for \$5.00.

#### SPECIAL TOMATO.

Transplanted plants only.  
**Superlative.** **Majestic.** **Red Majestic.**  
**Yellow Majestic.** **Bonny Best.**  
By mail postpaid, doz. 40c, 100 \$2.00.  
**Pot Grown Plants,** doz. 75c, postpaid.

#### SWEET POTATO.

Ready May 1. Plants strong and vigorous, well rooted and hardy. Prices subject to change, depending on crop  
**Yellow Jersey** and **Nancy Hall.**

By mail postpaid, 100 \$1.00.  
By express, not prepaid, 100 for 75c, 1,000 for \$7.00.



### Horse Radish

#### HORSE RADISH SETS

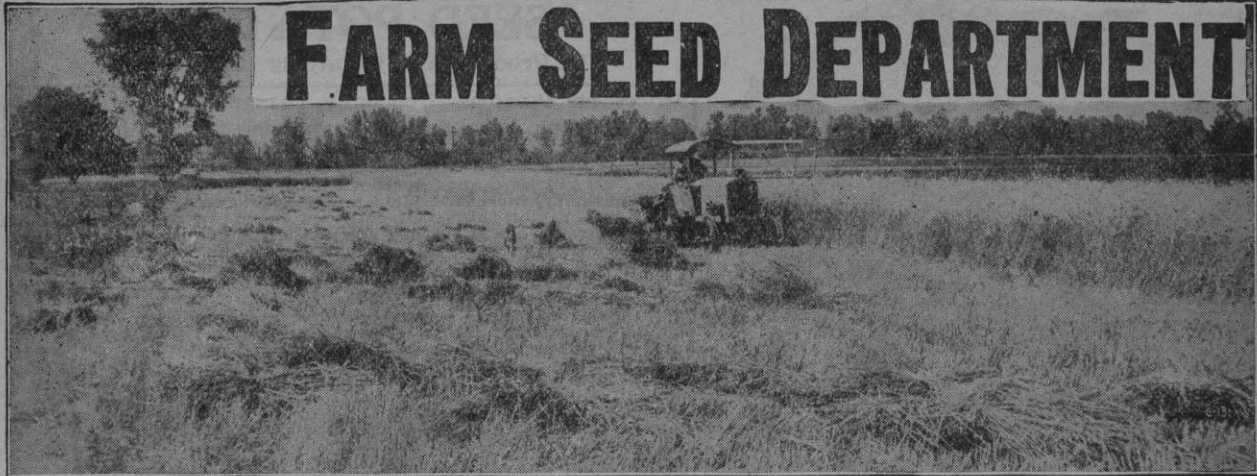
Grow it in your own garden and grate fresh. Plant the sets small end down in rows 3 feet apart, about 12 inches apart in the row. It does best in rich, loose soil set slanting and covered about two to three inches. Doz. 25c, 100 for \$1.50, postpaid. By express, per 100 \$1.25, 1,000 for \$10.00.

### GARLIC

Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. It is quite pungent and is used for flavoring soups, stews, etc. Per lb. 50c, postpaid. By exp., lb. 40c, 10 lbs. \$4.00.

THERE ARE SEVERAL KINDS OF ONION SETS LISTED IN THIS CATALOGUE ON PAGE 22. THEY ARE NOT EXPENSIVE.

# FARM SEED DEPARTMENT



## EXPERT PRODUCTION

## EXPERT SUPERVISION

## EXPERT SERVICE

### THE SINCERE EFFORTS AND SPLENDID FACILITIES OF THE ENTIRE ESTABLISHMENT ARE AT YOUR SERVICE

We can help you if you will patronize our Farm Seed Department. We have the equipment necessary to grade up our Farm Seeds to the highest possible excellence. We can give you better stocks than you can get elsewhere. Every item offered in this list has been carefully grown to maintain purity. Every one has had expert treatment in our special machinery and appliances to make it better than when it came to us, and we do improve it. We have so much pride in our stocks that we are ready to be judged in any way you see fit. We will mail free samples of any item for inspection. We will ship you seed with the understanding that it must be satisfactory or it may be returned to us within fifteen days and the money paid for it will be refunded. You can inspect it and test it yourself. You can have it inspected and tested by any authority and we will cheerfully abide by the report. You know we could not afford to make such an offer if we were not sure of our ground.

### Let us help you improve your crops, both in quality and quantity

We put time and money and painstaking care into the farm seed line. We have to. We must supply better seeds than you can get elsewhere if we are to have your trade. The present-day farmer raises good grains and if we are to surpass him in quality, we have to keep wide awake and progressive. If our grass seeds are to excel in purity and vitality, it requires the closest scrutiny in buying and cleaning. We ask your trade solely upon our ability to please you.

PRICES named in this department are always subject to important market changes. All quotations are net and are not subject to any premium or discount. Clover and grass seeds are constantly varying in value, and we issue a red ink price list daily during the busy season. Please write for quotations, sending list of requirements when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

SHIPPING.—In this department everything that is quoted by the packet or pound is sent by mail, postpaid; all larger quantities, unless noted, are sent by express or freight at the expense of the purchaser. Prices named include bags and delivering to depot here.

ABOUT WARRANTING.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. However, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the money paid for same will be refunded. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find we are right.

## OUR ORGANIZATION

M. Kurtzweil, President.  
E. T. Pierce, Vice-President  
Geo. L. Kurtzweil, Secretary  
J. N. Albright, Treasurer  
C. W. Davison, Director

Mr. Kurtzweil, the president of our company, began service with the business in 1885 and in the same year Mr. Pierce, the vice-president, also began work with the house. Mr. Albright, the treasurer, has labored since 1891, and Mr. Geo. L. Kurtzweil, the secretary, began his business career as errand boy in the office twenty-five years ago. Mr. C. W. Davison, who takes a place on the directory board, has been superintendent of our greenhouse plant for eleven years and has grown thoroughly familiar with the policies of the house. The heads of departments remain as before the war began, and with such an organization we are in position to render expert service in all branches of the business. The seed business is one which requires great technical knowledge and our customers may be assured that their favors will receive at all times the close attention to detail and the full benefit of the experience gained in the long period of successful conduct under the present management.



RETAIL STORE AND OFFICE  
209-211 WALNUT STREET.



## OUR EQUIPMENT

The shipping warehouse has side track capacity for seven cars at once, and loading stations for five wagons at the same time. It houses all our machinery. We have several large clipper mills, equipped with hundreds of sieves for close cleaning of grass seeds and grain. We have a special grading machine which operates on gravity principle, and separates grain perfectly. There is a scarifying machine of the Hughes pattern for treating sweet clover and other hard seeds. We have a special system for sorting and preparing seed corn and a Hess grain drier to help perfect the germ of unripened grains. We have a battery of hand sorting machines for use where ordinary methods will not cover separating requirements. We are equipped in the best possible manner to improve the quality of our stocks and it is this service we sell.



WAREHOUSE, 208-210-212 SOUTH EIGHTH ST.,  
WHERE ORDERS FOR FARM SEEDS ARE FILLED.

WE MAKE NO CHARGE FOR BAGS. THEY ARE FURNISHED FREE WITH SEED PURCHASES AT OUR CATALOGUE PRICES





### ROSE OF THE NORTH

An improvement on the old Early Rose which has been grown on the virgin soil of the far north. It is very early, being only a trifle later than the Early Ohio and much larger. Is smooth and of handsome rose color. Quality superb, either baked or boiled, and yields immensely. It is rapidly gaining the place long held by the old Early Rose. Pk. 80c, bu. \$2.75.

## SEED POTATOES

The Proof of the Potato is in the Eating

Prices on Potatoes frequently change with the market  
See Red Ink Price List accompanying this Catalogue.

It is of greatest advantage to potato growers to purchase their seed of us. By using our northern grown stock you are assured of **early maturity, increased yield and vigorous growth.** There is no longer any doubt that seed potatoes from the Red River Valley surpass those from any other section of the country with the possible exception of the state of Maine. We have for a number of years had our supplies grown in the northern part of Minnesota and Dakota and the comparative tests have each season shown an advantage for the northern seed. This is especially true of the early varieties. They mature earlier, are free from disease and produce more abundantly than home grown stocks. Prices on potatoes fluctuate greatly, but good seed potatoes are always worth more than ordinary table stock. This part of the catalogue is printed in November. We cannot fix price so far in advance of the selling season, hence we only quote in smaller quantities. If you want a large lot consult the red ink price list of farm seeds which is dated the day it is mailed with this catalogue. Should you not send your order until a change in price has occurred we will notify you upon receipt of your order and hold it until we can hear from you. If the order comes too late in the season for correspondence we will send the full value of the money received.

A PLANET JR. NO. 8 HORSE HOE is the best machine for cultivating the potatoes. You can do all the work but the planting with this tool, and do it with ease and satisfaction. : : : :



FANCY NORTHERN GROWN EXTRA EARLY OHIO (Grown in Red River Valley)

### EXTRA EARLY OHIO — Fancy Northern Grown Stock

We have these grown about 400 miles north of Des Moines, and careful tests have proved them fully ten days earlier than Iowa grown. This is a great advantage and makes this the most popular of all. They are all of good, average size, strictly pure, smooth and free from scab or rot. Is an especially favorite with marketmen, and the most profitable they can grow. Sprout is very strong and vines grow erect, making it easy to cultivate, and on account of early maturity you get the highest market prices. Will keep firm till late in the spring. Frequently sold under the name Early Six Weeks. Desirable for late planting as they keep well for winter. Pk. 80c, bu. \$2.75.

"Professor O. L. Fitch, specialist in vegetables, of the Extension Department at Ames, says: 'All northern Iowa should buy each year from the best regions in Wisconsin and Minnesota enough seed potatoes to grow their seed for the next year. Practically all of southern Iowa should buy all their Early Ohio and Irish Cobbler seed in most seasons and all their Rurals in trying years. Our demonstrations show a gain by this practice of from 25 to 73 bushels per acre in one case at St. journey.'"

### EXTRA EARLY TRIUMPH

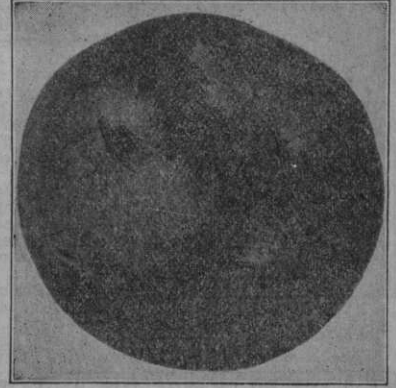
A popular first early variety. This is the round red potato which is generally in our markets as new potatoes early in spring. Most of our customers are no doubt familiar with the Early Triumph. The color is bright red; shape is almost spherical, and in size they are about equal to the Early Ohio. They ripen very quickly and are ready for the table as soon as large enough. Our stock is strictly pure. Pk. 90c, bu. \$3.00.

### IRISH COBBLER

Has the form and color so popular in the market. Is prolific and profitable to the grower and has become a much prized variety. Matures as early as the Ohio, and is preferred because it is smooth and round in shape and of cream white color. The flesh is white and of fine quality and flavor. It is a strong, vigorous grower, with strong germ. Eyes well developed and slightly indented. Generally quoted at a premium in the summer markets because it is of economical shape, there being no waste in preparing for cooking. Pk. 90c, bu. \$3.00.



IRISH COBBLER



EXTRA EARLY TRIUMPH

SLUG SHOT IS CHEAP AND WILL KILL THE POTATO BUGS. BETTER ORDER SOME WHEN YOU ORDER YOUR POTATOES.

# POTATOES--Continued

## RURAL NEW YORKER

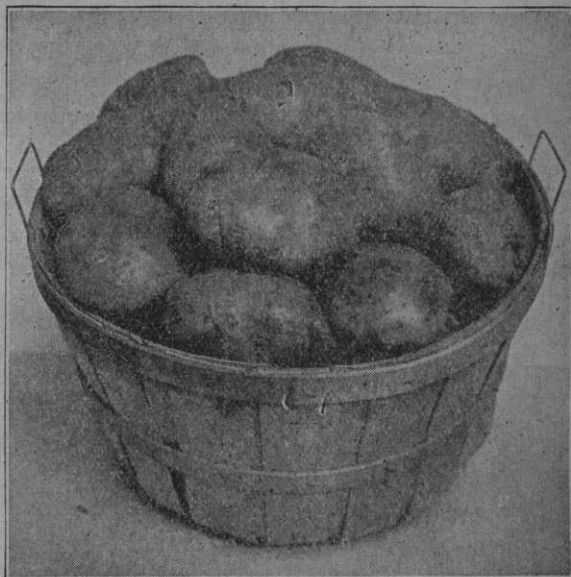
The Most Popular Main Crop Variety.

One of the largest yielding varieties in existence. Preferred by large buyers because it is large and unusually smooth, with few and shallow eyes, skin white as is also flesh, which is of good quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. For this reason it is one of the most desirable varieties for farmers and potato growers near large cities to grow for main crop for market. Under ordinary circumstances they will yield from 300 to 400 bushels per acre and by heavy manuring this yield can be almost doubled. Pk. 75c. bu. \$2.50. See red ink price list for quantity prices.

## NORTHERN KING

A Main Crop Potato of Exceptional Quality.

Offered as the potato par excellence in quality. Has light red or pink color and oblong shape and is vigorous and prolific. It will outyield either Rural New Yorker or Burbank and because of extra vigor and vitality will make a crop under most trying conditions. It is quality that recommends this variety, the writer preferring them to all other kinds for winter use. The tubers average larger in size than most sorts, are smooth and of good shape, and they cook whole, either baked or boiled, without hard centers or becoming "soggy." For the family who wish to grow their own potatoes for the winter supply we believe the Northern King will prove the best variety to plant. Pk. 75c. bu. \$2.50. See red ink price list for quantity prices.



RURAL NEW YORKER

## BURBANK

A Standard Long White Variety.

An old standard main crop variety which is very popular because of market demand and heavy yields. Satisfies both the grower and the consumer. Tubers are large, oblong and have fairly deep eyes. Color is white, quality excellent. Contends with the Rural New Yorker for first place. In our opinion no white potato excels the Burbank in quality, and some grown in sandy soils on new land often command a premium in city markets. Pk. 75c. bu. \$2.50. See red ink price list for quantity prices.

**HYBRIDIZED POTATO SEED.**—Potato seed from the flower boll (the true seed). It is from such seed that the choice new varieties of potatoes are originated. The result is interesting and often very profitable, and you are just as apt to obtain a choice new variety as a potato specialist. Pkt. 10c. 3 for 25c.



BURBANK POTATO

# SEED SWEET POTATOES

PRICES SUBJECT TO CHANGE OF MARKET.

Thrive on any of the loam soils of the Middle West, and do specially well on sandy ground. They are so easily grown that there should be plenty at every home where a small plot of ground is available. A few hundred plants will supply all you need. One customer reports 20 tubers, weighing over twenty pounds, from a single hill, and a full bushel from three hills last year. We do not recommend that you buy sweet potatoes for a small family garden. Better buy plants unless you need a thousand or more. They are not expensive, ship without loss, and grow readily when transplanted. Plants are priced on page 36. It is not difficult to grow plants and if you desire information ask for our free circular, "How to Grow Sweet Potatoes." Keep them free from weeds and the ground mellow. After vines begin to run they will keep down the weeds.

Our seed sweet potatoes are grown, stored and handled especially for seed purposes. They are not cold storage stock on which the germ has been killed but are fresh and vigorous. It is absolutely necessary that they be handled quickly in spring as they do not keep well after being taken from the storage bins. We cannot guarantee them to be all sound upon arrival and for this reason we hold the potatoes and fill all orders at once so as to get them to you promptly. We usually ship from April 12th to 20th and notify customers when we start them.

**EARLY YELLOW JERSEY.**—In spite of the many so-called new varieties, all of which we have tested, Early Jersey holds first place. Earliest and most productive; of large, short, chunky shape and of the very best quality. 10 lbs. \$1.25, bushel basket \$3.00. Ask for prices in quantities.

**NANCY HALL.**—A variety originated in the south. Flesh is dark colored and cooks a bright orange. Splendid for baking and is extra sweet and full of sugar. 10 lbs. \$1.25; bushel basket \$3.00. Ask for prices in quantities.

By mail, postpaid, 35c per lb. 3 lbs. for \$1.00.

I received the sweet potato plants in very good condition. I did not believe you could send plants to Texas so fresh and nice.—Chas. Schubert, Lexington, Texas.



NORTHERN KING POTATO

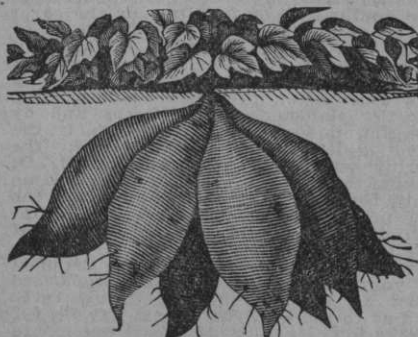
## CONCAVED AND CURVED SEED POTATO KNIFE

It is thin and of the right shape to cut 1, 2 or 3 eye pieces fast and not crack the tuber nor injure the germ.

Each 35c, postpaid.



CONCAVED AND CURVED POTATO KNIFE



EARLY YELLOW JERSEY



It costs less than 75 cents  
an acre to use our carefully  
selected SEED CORN.

# SEED CORN

Do you deem it wise to risk  
doubtful corn when GOOD  
SEED is so cheap?

GROWN, SELECTED, CURED, GRADED AND TESTED BY THE IOWA SEED COMPANY



## SEED CORN FOR ALL DISTRICTS

Many authorities claim it is not wise to move corn more than fifty miles north of the point of production. The position may be accepted under certain conditions. We do not recommend that Reid's Dent or Profit corn be taken more than fifty miles north of Des Moines. The thermal lines, however, do not run exactly east and west but vary with the topography of the country. The same varieties will grow and ripen around Sioux City and in northeastern Nebraska as at Des Moines, while for northeastern Iowa and Wisconsin only the early varieties can be recommended. We have sold seed corn for many years and we know from experience that we can give you seed corn suitable for any locality. In our opinion it is more a matter of variety and type than of location. We give brief selection of varieties suited to the different corn districts north of Des Moines, and our recommendation is based on our thirty years' experience. The real corn belt does not extend more than two hundred miles north of Des Moines. Corn can only be grown beyond that point to the north of small flint types which are not suited to the real corn country. In making descriptions of the varieties we grow, we have endeavored to make plain the range where each may be safely planted, but if there is any question about any variety being suited to your planting, write us and we will advise you honestly and to the best of our ability. We have provided some northern grown seed corn for northern planters if it is desired.

The corn crop in Iowa last fall was perhaps better than we have had for many years. It seemed to mature early and it has large size and good form as well as an abundant yield. The conditions for saving seed were very good and no doubt many farmers have saved from their own fields large quantities of what they consider good seed corn. We believe, however, we can give you better Seed Corn than you yourselves have. In the first place, we are offering pedigreed stocks which have many years selection back of them and because of this, we think they are superior to any corn grown in the ordinary field manner.

## VARIETIES TO PLANT

**In the Extreme North**—Sanford's White Flint, Improved Yellow Flint, Pride of the North, Iowa Gold Mine.

**Northern District**—Pride of the North, Farmers' Reliance, Iowa Gold Mine, Lenocho's Homestead and the Flint varieties.

**North Central District**—Iowa Gold Mine, Iowa Silver Mine, Wenger's Gold Medal, Farmers' Reliance, Lenocho's Homestead and Flint varieties.

**Central District**—Profit, Iowa Silver Mine, Iowa Gold Mine, Farmers' Reliance, Wenger's Gold Medal, Reid's Yellow Dent, Lenocho's Homestead.

**Southern District**—All varieties.

## ONE HUNDRED BUSHELS PER ACRE

If you do not raise one hundred bushels of corn per acre in a good season, you have not realized the full returns possible from your field. There are hundreds of verified records of even greater yields than this. It is really not a difficult thing to do. The first requirement is extra care of the soil. It must be strong and fertile if it is to produce one hundred bushels of mature corn per acre. The ordinary yield in Iowa is only about forty bushels and it would seem to the writer the farmer might well spend both time and money to increase the fertility of the soil to the point where production might and should be doubled. Even at the price of \$1.00 per bushel, an added yield such as indicated above would readily cover any extra cost incurred in the application of fertilizer or the careful plowing and preparation of the fields. With the latest improved methods of corn growing you can increase your soil fertility rather than decrease it, during the season you produce the corn crop. By the planting of Soy Beans and by hogging down certain of the fields the land is left even richer than in the spring when the corn was planted. Of course the seasons will have much to do with the results secured and again the use of good seed is necessary. Also intelligent cultivation is a requirement if we are to secure the greatest possible returns. If, however, you make the most of your opportunities and use such seed corn as we can offer, planting three grains to the hill, you should have 10,000 stalks to the acre and at least one ear to each stalk. Don't be satisfied with less.

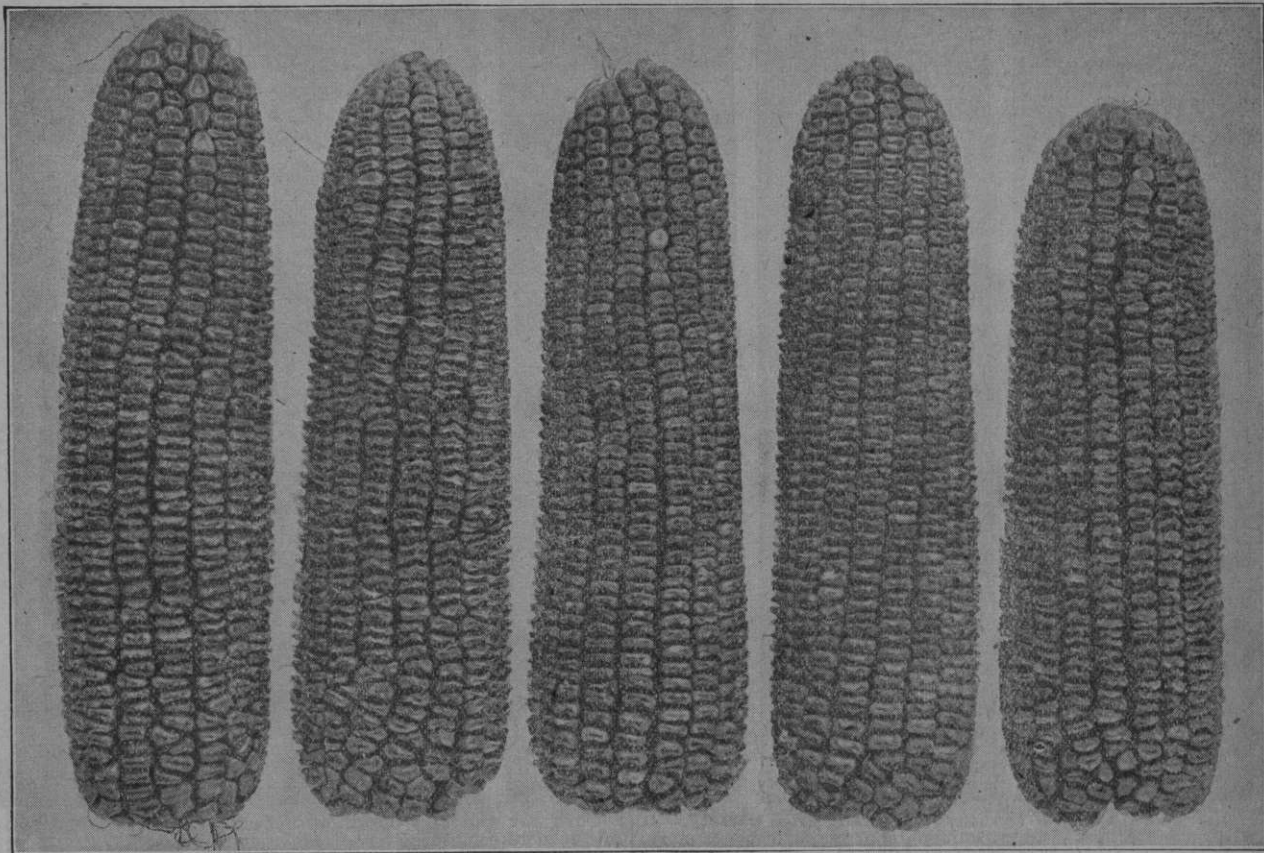
READ CAREFULLY THE DESCRIPTIONS OF THE DIFFERENT VARIETIES OF CORN OFFERED ON THE FOLLOWING PAGES

# IOWA GOLD MINE

**The Deepest Grained and Purest Yellow Extra Early Corn in Existence**

**The Variety that Made Us Famous. It Is the Greatest Feeding Crop for the Live Stock Raiser. and**

**Matures Anywhere in the Corn Belt**



It is early, ripening in 95 days, and can be planted in the northern corn belt and compete successfully both in yield and maturity against corn from locally grown seed. Ears are not extra large, but of good size and symmetrical; color is a bright golden yellow, as handsome as a twenty-dollar gold coin just from the mint; grain is very deep, cob small and therefore dries out very quickly.

## IT HAS THE COLOR

If you want to get top market prices for corn, just shell a carload of Iowa Gold Mine with a machine that will clean out broken cobs and trash, and you will have No. 1 yellow, something that very seldom appears in the big markets. It has color, it has depth of grain and it will have soundness necessary to pass the closest inspection. Gold Mine will ripen and produce good corn in any season, something that cannot be said of many of the large-eared varieties. Plant it, tend it and study it and we have confidence to believe that you will agree with us that Iowa Gold Mine is the very best variety of corn for the farmers of the central and northern corn belts.

## IT HAS DEPTH OF GRAIN

Seventy pounds of ear corn makes 62 or 63 pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagonload than common varieties in the same size wagon. We have shelled selected ears of this variety which produced 64 pounds of shelled corn and only 6 pounds of cob to the bushel. This is an unparalleled record. It cannot be equalled by any other corn in the world. One carload lot of 400 bushels of Iowa Gold Mine corn was carefully weighed, and after shelling it was reweighed and there was just 456 bushels. Just think of it—a gain of 14 bushels to the 100.

We do not recommend this as a corn to haul to market at ordinary prices. If you sell it either demand an advance over market price or sell on the basis of shelled bushels.

Twenty-eight years ago we first secured this variety. We debated a long time about undertaking to push the sale of seed corn. In those days it was difficult to persuade a farmer to buy seed corn. However, the appearance of this corn was so attractive, of such beautiful color, and so fine in depth and quality of the grain, that it was finally decided in conference to offer free samples by means of paid advertisements. We had faith that this corn would sell itself if only the farmers could see it, and that faith has been fully verified. From the day the first sample was mailed until now this corn has only to be seen to be desired. We still follow our old-time method and if you are interested in seed corn we will send a small sample of Iowa Gold Mine for inspection, because we know from experience that it sells on sight.

By reason of our method of introduction the Iowa Gold Mine became more widely disseminated and better known than any other variety of corn. It is sold and planted all over the world where corn is grown. It is listed by dealers in every state in the Union and in Central Europe, South Africa, Australia—everywhere that corn is planted.

**PRICES** Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By freight or express, not prepaid, pk. \$1.50, bu. \$5.00. See red ink price list for current values and ask for price in quantity.

We are the original introducers of Iowa Silver Mine, Iowa Gold Mine and Farmers' Reliance, and if you want pure, thoroughbred seed of these varieties it must be purchased of us. We have proof that some other dealers are copying our descriptions and selling common corn under these names. The cost of our pure seed is only about 75 cents per acre. One bushel per acre added to your crop will pay for the seed used.

**SEED FOR ONE ACRE OF ANY OF OUR CHOICE VARIETIES FOR \$1.00. ONE BUSHEL ADDED TO YIELD PAYS COST OF SEED.**



STORMKING

SPECIOSA

JESSICU

BLACK  
PRINCE

ARGENTEA  
GUTTATA

METALICA

THURSTONII  
PINK

PICTA  
ROSEA

## RAINBOW PLANT COLLECTION

These 8 Plants for  
**\$1.50** POSTPAID

The 4 Fuchsias only for 65¢  
The 4 Begonias only for \$1.00





## NEW FUCHSIAS

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens. The most important points in the management of the Fuchsia is to keep the plants well watered and nourished. They should be kept away from excessive sunlight and heat. They respond splendidly to strong fertilizing.

**PHENOMENAL.**—(See Cut No. 1.)—Enormous flowers, a single one measuring 3 inches across; sepals are bright scarlet, rich purple corolla, very double, flaked with red. Grows upright, and with strong, vigorous trunk, making a handsome plant. Each 20c.

**ROSAINES PATRIE.**—(See Cut No. 2.)—Grand double white variety; should be in every home. Flowers are of enormous size, sepals bright carmine, with large, pure white, double corolla. Each 15c.

**TRAILING QUEEN.**—(See Cut No. 3.)—Of beautiful trailing habit. A well grown plant is a solid mass of beautiful foliage and flowers. Fine for hanging baskets. Bright, rich scarlet and purple flowers. Each 20c.

**JUSSIEU.**—(See Cut No. 4.)—Blooms of exceptionally large size with superb coloring. The tube and sepals are of bright, glowing crimson, while the corolla is of very rich violet purple, very double and widely extended. A strong, vigorous grower. Each 20c.

**GUSTAV NADAUD.**—(See Cut No. 5.)—Sepals very brilliant red, corolla double, purple. A giant flowered sort of unusual beauty. Each 20c.

**STORM KING.**—(See Cut No. 6.)—The standard contrasting variety with red sepals and double, white corolla. The most popular type. Ea. 20c.

**BLACK PRINCE.**—Of upright, robust growth and generally most satisfactory for the amateur, as it seldom fails to bloom profusely and grow to good form and symmetry. We once had a plant of this variety in our greenhouse that grew a perfect shaped shrub fully 7 ft. high, loaded with fully 2,000 blossoms at one time. Tube and sepals bright carmine, sepals large and broad with pale green tips; large, violet pink corolla. Ea. 15c.

**ELM CITY.**—Tube and sepals bright coral red; double, purple corolla; blooms all year. A lovely flower. Each 15c.

**MONARCH.**—By far the largest of the single varieties. Its immense blooms are very dark purple. Each 15c.

**SPECIOSA.**—Greatly prized for its profuse blooming qualities. Sepals are more elongated than other sorts, and of soft rosy pink color. Ea. 20c.

**SUNRAY.**—A novelty fuchsia because common varieties are wanting in the variegated foliage which adds so much to the beauty of Sunray. The colors of the sunset, clear yellow, golden bronze, and red, are combined. Flower is pink or deep rose

sepals with bright carmine corolla. Each 25c.

### RAINBOW FUCHSIA BARGAIN

One Choice plant each of Storm King, Jussieu, Black Prince and Speciosa, giving a wide range of types and colors which will delight every flower lover.

FOUR PLANTS, POSTPAID, FOR ONLY 65c.

### GLOXINIA

We know of no bulbous plant that will give such universal satisfaction as the Gloxinia. Their charming trumpet-shaped flowers are exquisitely tinted, blotched or tigered with miniature dots of violet, pink or crimson. They are of the easiest culture in pots and bloom continuously for months. Each 35c.

### GENISTA

**SHOWER OF GOLD.**—A most desirable plant. The drooping branches are covered with delicate sage-green foliage and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 15c.

### GREVILLEA

**SILK OAK.**—One of the quickest growing of ornamental house plants. Easy to manage, grows rapidly and is pretty in all stages of its growth. With its long, drooping, silky foliage, it reminds one of a palm or fern. Young growths are light bronze color, tips covered with soft down resembling raw silk. Each 15c.



GREVILLEA OR SILK OAK



GLOXINIA

OUR SPECIAL OFFER ON THIS PAGE IS A GENUINE BARGAIN FOR PLANT LOVERS. YOU SHOULD NOT FAIL TO PROFIT BY IT.



## SINGLE GERANIUMS

Geraniums are the most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of new sorts every year. After careful comparison we have selected the following as the best:

**ALICE OF VINCENNES.**—A charming novelty which has a border of intense scarlet forming a band around the body color of rosy pink, heavily veined scarlet; center white. Each 15c.

**BLACK PRINCE.**—A very dark, rich, velvety crimson. The nearest black known in single geraniums. Each 15c.

**BIRD'S EGG.**—(Abel LeFrance).—Our magnificent geranium novelty. The flowers are very large, of perfect form. Ground color white, with rosy dots on lower petals. Foliage is slightly zoned. Grows finely. Each 25c.

**AUREOLE.**—(Mad. Bruant).—Fancy flowered sort; remarkable colors. The plant is loaded with blooms and each floret is large, white center beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered bright pink. Each 20c.

**EMILE GOBART.**—One of the scarlet sorts of special merit. Dwarf grower and very free flowering. Has beautiful foliage with light shading. Each 20c.

**BARIOLEGE.**—Dwarf, vigorous growing and free flowering variety. A beautiful composite flower. Color is rose, lower petals blotched crimson, the upper blotched white. Each 25c.

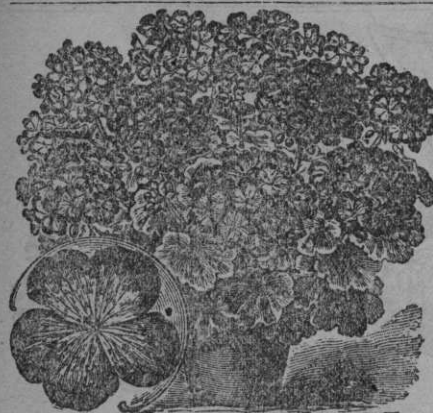
**YVETTE PROST.**—Fine large flowers and strong trusses. Color violet rose shading to white center. Each 15c.

**ELECTRIC GEM.**—A fine sort, producing very large flowers on strong trusses. Color is brilliant scarlet. Each 15c.

### CURIOSO COLLECTION

Five unique and beautiful geraniums. One each, Curioso, Bird's Egg, Blue Beauty, Caruso, A. Baillif, described on this and following pages.

**FIVE CHOICE KINDS, POST-PAID, ONLY \$1.00.**



AUREOLE

**BOHEMAS.**—An English round-flowered sort of unusual strength and vigor. Handsome and distinct. Flowers have pure white center, shading to a distinct margin of crimson rose. Very large trusses produced freely. Each 15c.

**GEN. LEONARD WOOD.**—One of the best of the single geraniums. Plant strong and vigorous. Flower bright carmine crimson, with white center. The general effect is very beautiful. Each 15c.

**MRS. E. G. HILL.**—Distinct and pleasing shade of salmon with light shading at the center. Florets extra large, of splendid habit and vigorous growth. Each 15c, dozen \$1.50.

**PHOEBE.**—A dwarf, compact growing sort, extremely free flowering, seemingly every joint producing a spike of bloom. Color deep rose. It is its free flowering habit that renders it so popular, although the color is also an attractive feature. Each 15c.

**RICHMOND BEAUTY.**—A magnificent new single variety. Color crimson scarlet with large white feather in two upper petals. Each 20c.

**RADIUM.**—Most magnificent, well formed flowers, produced in enormous trusses in the greatest profusion. The color is a brilliant shade of orange scarlet; very effective when massed in beds; foliage large and of fine texture; habit splendid, luxuriant, branching, and robust. Certainly one of the best. Each 15c.



SOUVENIR DE MIRANDE

**MAXIME KOVALEVSKI.**—A brilliant orange scarlet. A fine plant and probably the best of the single varieties for pot culture. The flowers are round, of splendid form. A novelty of great beauty. Each 20c.

**SOUVENIR DE MIRANDE.**—Handsome and satisfactory. Nicely formed, round florets; upper petals cream white, with distinct salmon rose border; lower petals salmon rose. Free flowering; splendid blooms. Each 15c.

**SNOW QUEEN.**—Grandest single pure white geranium in existence. Vigorous and healthy growth; blooms profusely, with immense trusses of blooms. Do not turn pink in sun. Each 15c.

**TELEGRAPH.**—A splendid flower. Mammoth dark trusses of beautiful deep orange green foliage, chocolate zone; large trusses of beautiful deep orange cerise. The general effect of color is very pleasing. Plant is very desirable in vigor and habit of growth. Each 15c.

### TRICOLOR GERANIUM BED

One dozen each of three shades of color, consisting of standard sorts that will stand the sun and produce continuous bloom all summer. We will send one dozen double white, one dozen double pink and one dozen double red, we to choose the varieties. Planted closely, the pink in the front row, white next, and the red forming the background, you will have a gorgeous bed of flowers.

36 plants as above from 2½-inch pots, \$4.50, postpaid, or \$4.00 by express, not prepaid. The same in larger plants from 4-inch pots, by express, not prepaid, \$9.00.

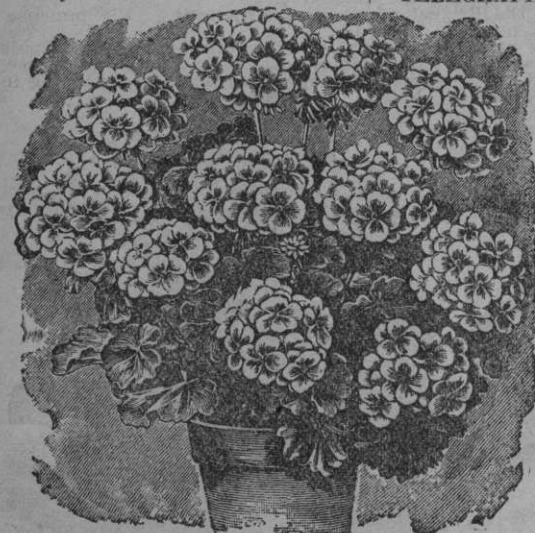
### AUREOLE GERANIUM COLLECTION

A selected list of choice single geraniums. One plant each of Aureole; Mrs. E. G. Hill, salmon; Maxime Kovalevski, brilliant orange; Souvenir de Mirande; Alice of Vincennes, pink; Gen. Leonard Wood, white and crimson; a half dozen different shades, only 85c.

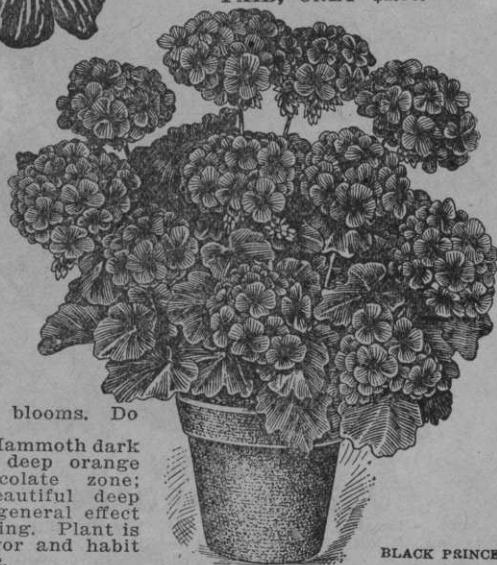
### FAVORITE DOUBLE GERANIUM COLLECTION

LaFavorite, Beauty Poitevin, Double Dryden, S. A. Nutt, Apple Blossom, Trego and Mrs. F. Perkins.

One each of the above, giving a range of colors in the standard sorts which are universal favorites, for \$1.00 postpaid. This collection from 4-inch pots, large plants, by express, not prepaid, for only \$1.75.



BIRD'S EGG



BLACK PRINCE

## DOUBLE GERANIUMS

**A. BALIFF.**—Beautiful composite flower of varying shades. One of the most profuse bloomers and most vigorous growing of newer sorts. See Curioso Collection, page 102. Each 25c.

**APPLE BLOSSOM.**—(Mrs. Lawrence.)—Shining salmon, tinted white. Free flowering; dwarf, compact habit. Extra fine as pot plant. Ea. 20c.

**ALPINE BEAUTY.**—A most beautiful semi-double variety with pure white flowers. One of the finest in the list, both in habit of growth and freedom in blooming. See illustration below. Each 20c.

**BEAUTY POITEVIN.**—A great favorite and conceded one of the best semi-double bedding sorts. Color salmon pink, shading to clear salmon in the center. Each 20c.

**BLUE BEAUTY.**—A new color; a beautiful violet or purplish crimson with a blue sheen over the surface. Three upper petals have a spot of vermilion near the base. See page 102. Each 25c.

**BERTHA DE PRESLEY.**—A beautiful light pink. Stands the sun without fading. Will be sure to give satisfaction, either for beds or in pots. Each 15c, dozen \$1.50. By express, not prepaid, per 100 \$9.00. Large plants from 4-inch pots, per dozen \$3.00.

**CARUSO.**—One of the newer varieties that will prove popular. Color bright scarlet, large truss, large florets and vigorous habit. Each 25c.

**COL. DARDS.**—A peculiar pink color; a bright, attractive shade. A promising new sort for lovers of pink colored flowers. Each 20c.

**CURIOSO.**—Double "Bird's Egg" geranium. Blooms dotted pink on white, and are striking and beautiful. (See "Curioso" collection of choice new varieties, page 102.) Each 25c.

**DAYBREAK.**—The finest pink geranium offered by us. Color is bright pink and it blooms more freely than most sorts. Each 15c, dozen \$1.50.

**DOUBLE DRYDEN.**—Color combination very attractive. Center coral white, shading lilac to edge of petals, which are soft, glowing crimson. Choice as a pot plant. Each 15c.

**EL CID.**—Choice bedding sort. Flower is double, of fine form and borne on strong trusses. Color is bright scarlet, a rich, dazzling shade. Each 15c; doz. \$1.50. By express, not prepaid, 100 for \$9.00.

**GLORY DE FRANCE.**—A large round flowered double geranium of waxy appearance. Petals white, veined with carmine rose. Each 15c.

**JEAN VIAUD.**—Color a bright, rosy pink; distinct white blotch in center. Large, semi-double blooms on strong trusses, above the foliage. Each 15c.



DOUBLE NEW LIFE

**DOUBLE NEW LIFE.**—The outer petals are a brilliant red. In the center of these appears another semi-double floret, pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. Each 25c.

**IMPROVED LA FAVORITE.**—What S. A. Nutt is among dark crimsons, La Favorite is among whites, the best double white geranium. It is a strong grower and a profuse bloomer. Each 15c, doz. \$1.50. By express, not prepaid, 100 for \$9.00. From 4-inch pots, doz. \$3.00.

**MARVEL.**—A bright scarlet; larger than S. A. Nutt, and counted one of the best bright red geraniums. Fine for mass bedding or in mixed beds. Extra large trusses of beautiful shade. Each 20c.

**MARQUISE DE CASTELLANE.**—Flowers are very large, perfect in form and in large trusses. Color varies from brilliant cerise to bright cherry with brilliant carmine shadings. Each 15c.

**MRS. F. PERKINS.**—A double pink sort of unusual merit. Sturdy habit, free bloomer, and stands the summer sun without fading. A standard sort and very popular. Each 15c, doz. \$1.50.

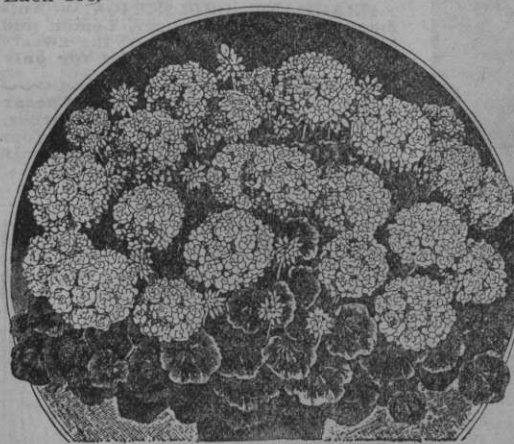
**S. A. NUTT.**—The best crimson. Takes the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. Its dense, compact growth,

MARQUISE DE CASTELLANE

profuse blooming qualities and sun-proof constitution combined give it the prominence as a bedder it has attained. As a pot plant it cannot be excelled. Each 15c, doz. \$1.50. By express, not prepaid, 100 for \$9.00. Large plants from 4-inch pots, dozen \$3.00.

**SCARLET BEDDER.**—Type of S. A. Nutt, but color is brighter and is preferred by some planters. The name indicates its particular value, and we recommend it. Each 15c, doz. \$1.50. By express, not prepaid, 100 for \$9.00.

**TREGO.**—Strong growing, most free flowering. Robust, compact habit, regular in form. Florets of ten measure  $2\frac{1}{2}$  in. in diameter, semi-double brilliant almost dazzling scarlet color. Each 20c, doz. \$2.



ALPINE BEAUTY

## GERANIUMS BY THE HUNDRED

Customer to pay express charges.

Fifty or More at the One Hundred Rate.

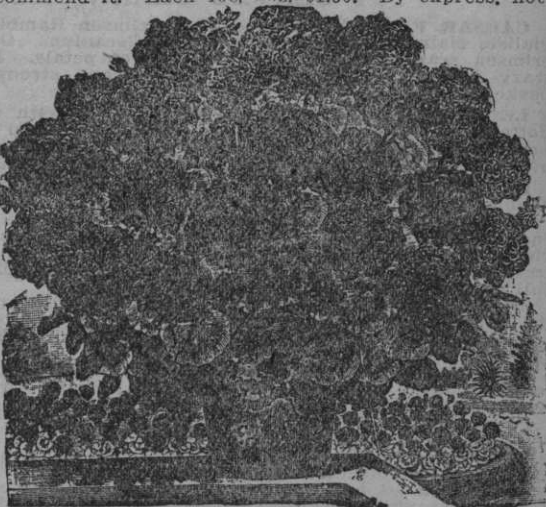
The customers can select from varieties named in this special offer in such numbers of each as wanted. If you cannot use 50 or 100, perhaps you can get a neighbor to take part of order. Descriptions under name as placed in the list. No other varieties are included in this special offer but the five varieties named here.

**S. A. NUTT, crimson double; SCARLET BEDDER, LA FAVORITE, white double; DAY BREAK, pink double; MADAM SALLEROI, for edging.**

Just the varieties for outdoor bedding for single or mixed color effects, and in this offer you have the best possible opportunity to fill your beds at reasonable cost.

FROM 2½-INCH POTS, \$9.00 PER HUNDRED.

FROM 4-INCH POTS, \$25.00 PER HUNDRED.



SCARLET BEDDER

WHAT ARE GENERALLY KNOWN AS LADY WASHINGTON GERANIUMS ARE OFFERED AS PELARGONIUMS ON PAGE 106



## FANCY LEAVED GERANIUMS

**GRACE PAGE.**—A standard bedding variety which is identical with the old standard dark crimson S. A. Nutt geranium except in foliage, which is beautifully variegated. Nothing in geraniums can surpass the beauty of this variety with its large trusses of double crimson flowers against their variegated background. Of vigorous growth and an exceedingly profuse bloomer. Leaves are of dark green, and each bears a border of pure snowy white. Well adapted for pot culture. Each 30c, per dozen \$3.00.

**MRS. POLLOCK.**—Magnificent. Green leaf disc, overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow. Very distinct in its markings, and one of the most satisfactory of fancy geraniums. Each 20c.

**WM. LANGGUTH.**—This new silver leaved geranium is a beautiful variety. The plant is short, stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band, so that it is handsome even when not in bloom. It is, however, free flowering for a fancy foliage variety, and the flowers are double. Clusters are extra large and a bright red color, showing magnificently against the white foliage. Each 30c.

**MAD. SALLEROL.**—A very compact variety of silver leaf geranium. Fine for massing or bordering; thrifty; leaves green, edged with white. Has a peculiar manner of growth which renders it of special value for edgings or ribbon work. Each 15c, dozen \$1.50.

**CRYSTAL PALACE GEM.**—Yellow, with green disc; fine bedder. One of the oldest of the fancy leaved sorts, but popular because of the brightness of the foliage. Each 20c.

**MOUNTAIN OF SNOW.**—Finest of this class for ribbon lines or massing; center of leaf bright green, margin broadly marked silver white; single scarlet flowers. Each 15c.

**DISTINCTION.**—Round green leaves with clear black circle. This dark foliage sort is fine in contrast planting among the silver leaved varieties. Each 25c.

**HAPPY THOUGHT.**—A tricolored geranium with dark green foliage; creamy white center with dark band about the light zone; flowers bright scarlet. Each 20c.

**GOLDEN CIRCLE.**—Green foliage; golden yellow edging; flower scarlet. Each 20c.

**MRS. PARKER.**—A grand new silver leaved variety with double pink flowers. A unique novelty. It is a good bloomer and foliage is fine combination with its markings of green, bronze and white. Each 25c.

**HAPPY THOUGHT COLLECTION.**—Happy Thought, Golden Circle, Mad. Sallerol, Crystal Palace Gem, Mountain of Snow, Mrs. Pollock. Six of the finest fancy leaved sorts in splendid contrast for only \$1.00, postpaid.

**FRAGRANT COLLECTION.**—Nutmeg, Rose, Balm, Pepper, Lemon and Skeleton. A half dozen of the sweetest of the scented varieties for only \$1.00, postpaid.

**IVY LEAF COLLECTION.**—Caesar Franck, Jean DeArc, Chas. Turner, Eden Marchi. One each of the four choicest ivy leaf varieties for only 75c, postpaid.



WM. LANGGUTH GERANIUM

### SCENTED GERANIUMS

**SHRUBLAND PET.**—One of the best of the scented sorts. Strong yet pleasant fragrance. Each 15c.

**NUTMEG.**—Small leaves with nutmeg perfume. Each 15c.

**OAK LEAVED.**—Beautiful foliage resembling oak leaves, black center with green border. Each 20c.

**ROSE SCENTED.**—The broad leaf. This is the most popular of scented geraniums. Each 15c.

**SKELETON LEAVED.**—Leaves are very finely cut, rose fragrance. Each 15c.

**BALM.**—Delicious balm fragrance. Each 15c.

**LEMON.**—A nice little plant of bushy growth with delightful lemon fragrance to the leaves. Ea. 15c.

**MRS. TAYLOR.**—A scarlet flowered rose geranium. The blooms resemble the pelargonium, but are smaller and of bright scarlet color. Blooms constantly. Each 20c.

**PEPPER.**—Strong fragrance, moderate size leaf, easily grown. Ea. 15c.

**PEPPERMINT.**—A rare variety with thick "hairy" leaves and refreshing peppermint fragrance. It is most popular. Each 25c.



### IVY LEAVED GERANIUMS

**CAESAR FRANCK.**—Double as a Crimson Rambler rose. Specialists claim this to be the best Ivy Geranium. Color soft, rich crimson scarlet, shaded rose at base of petals. Foliage clean, waxy green. Vigorous, quick growing and strong. Finest for baskets, vases, etc. Each 20c.

**LEOPARD.**—A splendid ivy leaf geranium with white blossom dotted red. It is a typical "Bird's Egg" variety and will be prized because of the beautiful composite flower which will appeal to everyone with its dainty and delicate coloring. Each 25c.

**ETINCELENT.**—Beautiful scarlet; extra large flowers. Very double and will be satisfactory. Each 20c.

**EDEN MARCHI.**—Handsome of the ivy leaved sorts. Has enormous sized flowers; color beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. It is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 20c.

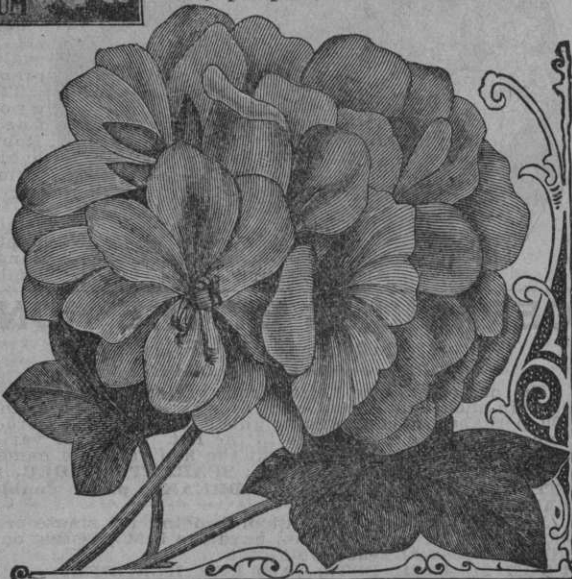
**CHARLES TURNER.**—Very double, and is without doubt one of the handsomest ivy geraniums ever introduced; florets two and a half inches across. The color is a deep, bright pink, approaching scarlet in color. Each 25c.

**JEAN D'ARC.**—Very large and finest white in existence. Perfectly double, white as snow; flowers literally cover the plant when in full bloom. Each 20c.

**P. CROZY.**—A hybrid between the Zonales and Ivies. Color soft, bright scarlet with veinings of maroon. Each 20c.

**CORDEN'S GLORY.**—Fine, bright scarlet; large, bold, full flowers; constant bloomers; one of the very best. Each 25c.

**ALLIANCE.**—A beautiful novelty. A hybrid between an ivy and a zonal geranium. Flowers large, semi-double and produce fine trusses. Exquisite shade of delicate lilac white, upper petals feathered and blotched bright crimson rose. Each 20c.



IVY GERANIUM—EDEN MARCHI. (One-half natural size.)

MANY OF THE MOST POPULAR VARIETIES OF GERANIUMS WILL BE FOUND ON THIS PAGE. EXCELLENT VALUES OFFERED.



NIGHT BLOOMING JASMINE

## HELIOTROPE

These are universal favorites on account of their delightful fragrance. They bloom equally well as bedding plants in summer, or as pot plants in the house during the winter.

**BUISSEON FLEURI.**—Semi-dwarf. Very large trusses of large flowers. Color violet; star-shaped eye. Each 15c.

**PRINCE CHARMANT.**—Beautiful foliage and large trusses of mauve blue flowers. A novelty of merit. Each 15c.

**LORD ROBERTS.**—Very large trusses of blue flowers. Each 20c.

**FLORENCE NIGHTINGALE.**—Very large trusses of dark lavender flowers. Each 15c.

**SNOW WREATH.**—Superb large clusters deliciously fragrant flowers, nearly white. Each 15c.

## HELIOTROPE COLLECTION

The fragrance of these lovely blossoms will perfume the whole house. One each of the five varieties named above for 70c.

## JASMINE

**MAID OF ORLEANS.**—A beautiful plant of easy culture, fine grower, good bloomer, very fragrant and of elegant waxy white appearance. Each 25c.

**NIGHT BLOOMING.**—(Cestrum Parqui.)—World famous variety, producing greenish white flowers incessantly. Strong fragrance after dark. Each 25c.

**CAPE JASMINE.**—(Gardenia Florida.)—Pretty low growing evergreen shrub. Thick, glossy green leaves, waxy white double flowers of delicious sweetness, valued for winter flowering in house or conservatory. Each 30c.

**GRANDIFLORUM.**—An old favorite variety and most satisfactory. Valuable for winter blooming. Flowers white, star-shaped. Fragrant. Each 20c.

**REVOLUTUM.**—A climbing variety with deep yellow single flowers and glossy foliage. A beautiful plant and readily grown. Each 20c.

One each of the five Jasmynes, only \$1.

## JERUSALEM CHERRY

An old-fashioned plant grown for its showy, berry-like fruits which remain on plant for a long time. Used generally in window gardening but will grow quite large if given room. Each 15c.

## LEMON VERBENA

A universal favorite, for its fragrant leaves. Retain fragrance for years when dried. Very popular with the ladies for storing with handkerchiefs or other apparel to which it imparts in some measure its fragrance. Splendid for hedges and as a plant for the garden or for pots its fine sprays of foliage and delicious fragrance making it desirable for bouquets, etc. Each plant covers a space of 3 to 4 feet in diameter. Each 20c, doz. \$2.00.



PEACHBLOW HIBISCUS

## LANTANA

A most satisfactory plant for outdoor bedding and blooming all winter in the house. Flowers resembles the Verbena, borne on a woody plant.

**JAVOL.**—The best, largest and freest blooming white variety. Everyone will be pleased with it. Each 15c.

**PERFECTION.**—The only Lantana having variegated foliage. Is unusually handsome. Outside row of florets are pink with rose center; inside florets very light sulphur yellow, orange center. Blooms freely. Each 15c, doz. \$1.50.

**GOLD CUP.**—A dwarf, compact grower. Bears very pretty lemon yellow flowers with golden yellow center. Recommended for fine form and masses of bloom. Each 20c.

**WEeping.**—A beautiful trailing variety; is very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of clear pink flowers from early summer until fall. Delights everyone. Each 20c.

**RADIATION.**—Semi-dwarf. Color brilliant red with orange yellow center. Distinct and beautiful blending of color. Each 15c.

**AMIEL.**—Semi-dwarf, very compact; fine bloomer; umbel and floret fine size. In color reddish orange, yellow center. Of fine form and a mass of bloom. Each 15c.

**VERSICOLOR.**—When first open flower is cream yellow with red center. Cream gradually changes to pink, but the flower is fine at all times. Each 15c.

**Radiant Lantana Collection.**—One each: Radiation, Gold Cup, Javol, Perfection and Weeping Lantana. One each 75c, postpaid.



## HIBISCUS

**GRANDIFLORA.**—A large, shrub-like, woody plant bearing immense single red flowers. Each 15c.

**PEACHBLOW.**—For either pot culture or open ground. Flowers very large, double, clear pink, with deep crimson center. Not always double when first in bloom, but as the plant ages it takes on the double form. Each 25c.

## HARDY HYDRANGEAS

(Described as shrubs on page 88.)

**ARBORESCENS.**—The new Snowball Hydrangea. Each 25c, large plants 75c.

**PANICULATA GRANDIFLORA.**—The well known hardy sort. Ea. 20c, large 75c.

## POT HYDRANGEAS

**OTAKSA.**—Used for Easter decorations. Enormous trusses of intense pink flowers. Excellent specimen plants for porch or lawn. Blooms entire season. Each 20c large plants 50c and 75c each.

**THOMAS HOGG.**—Its immense trusses of flowers are at first slightly tinged with green and change to white. Each 20c.

## FRENCH HYDRANGEAS

**AVALANCHE.**—Splendid large white flowers. Easy to grow; remarkably free flowering. Each 25c.

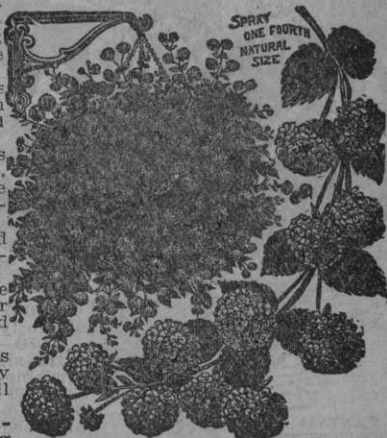
**LA LORRAINE.**—At first pale rose, turning to bright pink. Large blooms. A splendid variety. Each 25c.

**MME. E. MOUILLERE.**—White; extra size. Awarded medal at National Flower Show at Boston. Each 20c.

**MOUSSELINE.**—Light amber pink turning brighter as the flower ages. Of extra size. Each 25c.

**E. G. HILL.**—One of the finest of pot hydrangeas. Superb. Color white. Each 25c.

Five French Hydrangeas 90c.



WEeping LANTANA





PANSY GERANIUM

**PANSY GERANIUM**

Beautiful flower belonging to the Pelargonium class. Flowers are of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Of easiest growth, dwarf in habit, and as it requires little attention it is invaluable as a window plant. Colors and markings most extraordinary. Ea. 25c

**PELARGONIUMS**

Commonly known as Lady Washington geraniums, and are most beautiful.

**EASTER GREETING.**—Enormous flowers, bright amaranth red, each petal being marked with large black blotch. Remarkable blooming season. Each 40c.

**THE MAID.**—A fine sport of Easter Greetings producing reddish carmine flowers with five very regular black blotches, bordered with purplish carmine. Each 40c.

**GARDENER'S JOY.**—Ground color apple blossom pink, two upper petals blotched carmine brown, the florets are  $3\frac{1}{4}$  inches in diameter. Dwarf sturdy nature. Ea. 40c.

**GLORY.**—Of very large size; ground color, very much like the Cattleya orchid. The upper petals contain two large purple magenta red spots, distinctly veined. Entirely new color. Each 40c.

**EASTERN STAR.**—Ground color will rose pink with five large reddish brown blotches, edged scarlet lake. Each 40c.

**LADY WASHINGTON COLLECTION**

One each of the above fine Pelargoniums, postpaid for \$1.75.

FANTASA  
DOUBLE PETUNIA

pink in this flower, the general effect is a bright, pleasing pink. Each 25c.

**PALMS**

The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within reach of all. Following are most desirable for ordinary indoor culture.

**LATANIA BORBONICA**, or Fan Palm. —One of the most popular varieties grown, prized especially for its beautiful large fan-shaped leaves of deep glossy green. The character leaves appear the second year. Each 35c.

**KENTIA BALMOREANA.**—This is considered one of the hardiest and best in cultivation. A rapid grower. Each 45c.

**ARECA LUTESCENS.**—A truly graceful and beautiful palm. Strong, upright grower with long, finely cut leaves. Easy to grow and very satisfactory. Each 45c.

**KENTIA FOSTERIANA.**—A fine variety of the Kentia class. Vigorous and will prosper with ordinary care. Ea. 45c.

**PALM COLLECTION**

One each of the four above stately palms for \$1.25, postpaid.



LATANIA BORBONICA PALM

**PLUMBAGO**

**CAPENSIS.**—No plant in our greenhouse has caused more exclamations of delight than the beautiful, heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times. Flowers borne in large clusters. Of very easy culture, growing freely as geraniums. Each 20c.

**CAPENSIS ALBA.**—The white variety of the above, with which it is identical except color. Each 20c.

ONE EACH, 2 PLUMBAGOS, 35c

**PRIMROSE**

**MEXICAN.**—Perpetual bloomer. It has blossoms 2 to 3 inches across, of beautiful colors. Each blossom keeps perfect many days and when it droops others take its place. Each 15c.

**OBCONICA.**—A lovely perpetual blooming primrose. Flowers are of rose lilac shading white. Each 25c.

**CHINESE.**—Most popular flower for winter blooming. Our cut gives an idea of its wondrous beauty. Flowers are all shades of color; distinct and beautiful markings. Each 20c.

**THE BABY.**—(Primula Forbesi.)—Forms a dense rosette of fleshy leaves from which spring flowering stems, 12, 15 and even 20 inches tall, supporting whorls of dainty flowers of a delicate rosy lilac with eye of pale gold; not more than a half inch in diameter, but produced abundantly. Each 20c.

ONE EACH, 4 PRIMROSES, 65c

EASTER  
GREETING  
PELARGONIUM**PEPEROMIA**

**SILVER STRIPED.**—A beautiful ornamental basket or pot plant for the home. Grows vigorous and thickly massed. The leaves are wax-like, thick and fleshy, and distinctly variegated white and green. Easily grown and thrive in living rooms. Each 25c.

**DOUBLE PETUNIAS**

Extremely popular because of striking contrasts in the colors of each flower and because they are, always in bloom. Difficult to grow from seed as only a percentage are double.

**SNOW QUEEN.**—Elegance and purity are strongly covered by this lovely flower. Ea. 25c.

**CLIO.**—A splendid shade of purple. Flowers extra size, of nearly solid color and extremely striking appearance. Each 25c.

**FANTASA.**—Handsome double white and purple petunia. Striking variegation. It is really beautiful. Each 25c.

**PINK BEAUTY.**—Although many shades of pink in this flower, the general effect is a bright, pleasing pink. Each 25c.



CHINESE PRIMROSE

WE WILL MAIL A COLLECTION OF THE FOUR DOUBLE PETUNIAS AS LISTED ABOVE FOREIGHTY CENTS, POSTPAID.

**MARGUERITE DAISY**

**WHITE.**—A French improvement on the old White Marguerite which has for years been so popular. Is much larger and will produce ten times as many flowers. Each 15c. dozen \$1.50.

**BLUE.**—(Agatha.)—A strikingly beautiful flowering plant, producing abundance of clear, sky-blue flowers. Plants are fairly loaded with flowers, which are very desirable for cutting. Each 15c.

**MRS. F. SANDER.**—A superb new variety of double white Marguerite, so lovely as to be a firm favorite wherever known. Owing to continuous, free blooming habit and beautiful lasting blooms on long stems, is peculiarly adapted for beds or for use as cut flowers. Ea. 20c.

**SOLIEL D'OR.**—A very popular sort with flowers of a very pretty canary yellow color. It blooms freely and continuously. Each 15c.

**OLEANDER**

These old-fashioned shrubs are becoming more popular again. No plant makes more handsome specimens in tubs for verandas or in the yard. Flowers are usually double when mature.

**ROSEA.**—Large pink flowers, borne profusely. Popular. Each 25c.

**LILLIAN HENDERSON.**—Flower pure white; fine, sturdy plant. A very popular variety. Each 25c.

**LUTEA.**—The comparatively rare yellow flowered variety. Each 25c.

One plant each of the three colors, 65c.



INTERNATIONAL MIXED PANSIES

**PANSY PLANTS**

Pansy plants are quite a specialty with us and we sell immense numbers of them every year. Our plants are grown from the very best quality of seed and are strong and vigorous and have beautiful, large, velvety flowers of all shades and colors known in pansies. Extra large, strong plants of **American Giant** and **Giant Trimardeau Mixed** at 75c per doz., 4 doz. for \$2.40, postpaid.

**PONDEROSA LEMON**

Nothing has ever caused half the commotion that this wonderful lemon has. It is a true ever-bearing variety. On a plant six feet high no less than 89 ponderous lemons were growing at one time. It was a beautiful sight. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to the ripe fruit, showing it to be a true everbearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from the tree weighing over 4 lbs. The lemons have very thin rind for such large fruit. It is juiciest of all lemons, makes delicious lemonade, and for culinary purposes unexcelled. It is not uncommon to make 12 pies from one lemon. It fruits when quite small and makes a lovely house plant. It fruits freely second year. Strong plants each 25c. postpaid. Two-year old plants \$1.00 each.

*My Lemon Tree that I got of you had one lemon on it that measured 13 inches one way and 11 the other. It was a picture, everyone praising it. —Mrs. Charles Ebel Madison, Minn.*



PONDEROSA LEMON

**OTAHEITE ORANGE**

An extra fine plant, with glossy green leaves, the true fragrant orange bloom, and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. With good culture they are never out of fruit from one year's end to another, and at least 2-3 of the time are in flower also. In beauty, grace and fragrance there is nothing like its delicate, leafy sprays of bloom. Each 25c, large size, \$1.35.

**SURINAM CHERRY**

A very ornamental plant at all times, as both flowers and fruits are attractive in color shades. Fruits are cherry red color and are useful and desirable for culinary purposes. Growth of plant is shrub, like orange and lemon listed on this page, and readily grown in pots. Each 25c.



OTAHEITE ORANGE

**STRAWBERRY GUAVA**

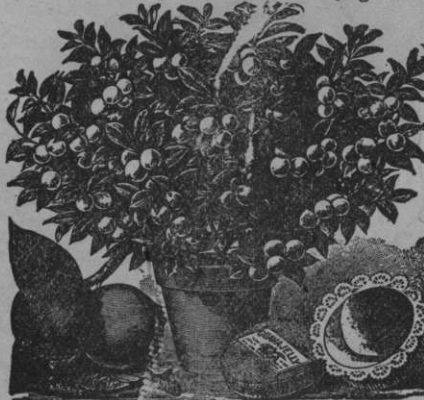
A useful and ornamental pot plant; wonderfully productive and will prove equally popular with the Lemon and Orange above. Has dark, shining green foliage, with fruits of striking claret shade, about size of hulled walnut. Fruit is used for dessert and makes a most attractive jelly. It will have buds, blossom and fruit in various stages of development on the plant at one time. Each 25c.

**Tropical Fruit Collection**

Everyone is interested in the manner of growth of the tropical plants and we offer above some of these which are suited for house culture, believing they will be popular.

**Ponderosa Lemon, Otaheite Orange, Strawberry Guava and Surinam Cherry.** One strong plant of each for

**ONLY 85 CENTS POSTPAID**



STRAWBERRY GUAVA



SURINAM DWARF CHERRY

**OUR TROPICAL FRUIT COLLECTION IS AN UNUSUAL OFFER AND WILL PLEASE THOSE WHO WANT SOMETHING DIFFERENT**



## EVERBLOOMING ROSES

We consider these not only the most popular, but also the most satisfactory of all flowers, and therefore we make roses a leading specialty and are now devoting to them more space in our greenhouses and more land in our fields than ever before. Our plants of the several varieties are mostly grown on their own roots and are strong healthy and vigorous. We have taken great pains in preparing this list, which represents the choicest selections from nearly a thousand varieties, and we are sure every one will prove satisfactory. Roses sent by mail or express prepaid in perfect condition, to the most distant parts of the United States, and we guarantee safe arrival. Directions for culture sent with every package.

**BESSIE BROWN.**—Blooms are very large in size, full double and of perfect shape; color creamy white flushed and tinged with pink. Blooms freely. Each 25c.

**CHAMPION OF THE WORLD.**—The champion bloomer. It is claimed that one plant will produce more flowers during the year than ten plants of any tea rose. The color is a deep, rich, rosy pink, a most beautiful color, equalled by but few varieties; really one of the best roses. Each 20c.

**ETOILE DE FRANCE.**—Clear red or crimson velvet shade. It is without doubt the finest hybrid tea rose in our long list of varieties. Each 20c.

**FRANCISKA KRUGER.**—A strikingly beautiful rose of deep coppery yellow; quite unique, and distinct from all others. Of large size and very symmetrical. Each 20c.

**GOLDEN GATE.**—A beautiful free blooming and healthy flower; has long stems and continuous bloom. Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each 20c.

**GOLDEN BEDDER.**—The finest golden yellow tea rose. A strong, vigorous and healthy plant and a profuse bloomer. By some it is called Star of Lyons. Each 20c.

**GRUS AN TEPLITZ.**—One of the brightest colored roses known. When first opened it is dark, rich crimson, quickly changing to a bright scarlet. Blooms continually. Each 20c.

**KAISERIN.**—Decidedly the finest white ever-blooming hardy garden rose. Soft, pearly white, lightly tinted with lemon at center. Free, continuous bloomer. Of faultless shape, developing into large, very double flowers of exquisite fragrance. A general favorite with rose growers. Each 20c.

**KILLARNEY.**—The buds are especially long and the color of the rose is a peculiarly bright, living pink, more beautiful than any other pink rose. A free bloomer, easily grown, of strong healthy constitution. Each 20c.

**MILADY.**—A rich crimson rose, by florists now given preference to Richmond, which has long held first place as a popular cut rose. A most lovely flower. Ea. 20c.

**RADIANCE.**—A brilliant rosy carmine flower which is fine in form, large and full, with cupped petals. Free in growth and a profuse bloomer. Each 20c.

**RICHMOND.**—A strong rival of the American Beauty. It is a beautiful scarlet crimson, as free blooming as any tea rose, and flowers are exceedingly fragrant. A standard variety because of its merit. Each 20c.

**RHEA REID.**—A magnificent rose described by an enthusiastic rose lover as being "as large as American Beauty, as double as La France and as red as Richmond." Color is vivid scarlet-crimson, and the flowers are marvels of beauty, large, bold and splendid substance. Very hardy and of thrifty growth. Each 30c.

**SUNBURST.**—A splendid large rose, ranking with American Beauty and Killarney in size and form. Color a beautiful coppery yellow, shaded lighter; a brilliant flower. Each 30c.

**WHITE KILLARNEY.**—Exactly like Killarney, except in color. It is one of the best garden roses, hardy in this climate with slight protection. The color is pure, snowy white; blooms are large and buds long and pointed. Each 20c.



RADIANCE

### LA FRANCE ROSES

La France roses are certainly the nearest perfection in flowers. Distinctive characteristics are the true La France fragrance and beautiful form. Prized for profuse bloom.

**RED LA FRANCE.**—Very free flowering. Deep rose pink hue. Very large, double and of superb form. Each 25c.

**LA FRANCE.**—Beautiful form in bud and full bloom; very large, full and globular; a constant bloomer; in color pink, silvery rose. Ea. 25c.

**WHITE LA FRANCE.**—Identical with La France, except color. It is pearly white, sometimes tinted fawn. Each 25c.

**STRIPED LA FRANCE.**—is a rich creamy pink with silvery gloss, beautifully streaked and etched with carmine. Each 25c.

**FOUR LA FRANCE ROSES \$5c.**

### COCHET ROSES

The Cochet roses are exploited by many specialists as the best roses for outdoor planting. They are everblooming and distinctly beautiful, and we offer you the choicest varieties of this popular type.

**MAMAN COCHET.**—Buds large and pointed, while the open flowers are extra large, double and bloom all the time. Color is a rich, clear pink, changing to rose. Each 25c.

**RED COCHET.**—Buds long and pointed; flowers full and perfectly double; color rich, rosy crimson, bright and glowing. Each 20c.

**WHITE COCHET.**—An exact counterpart of the beautiful Maman Cochet except that it is of purest white. Very desirable. Each 20c.

**YELLOW COCHET.**—Deep sulphur yellow. True Cochet type; most desirable of yellow roses for outdoor planting. Each 20c.

**FOUR COCHET ROSES FOR 75c.**



## BEAUTIFUL HARDY ROSES

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. The roses below, named after growing plants in from 2 to 2½-inch pots. The 2-year-old plants, both pot grown and dormant, have reached such excessive costs that we do not think they are worth the difference to the planter. We hope another season to be able to supply large plants at reasonable price. We do not care to offer seconds. It will pay you better to get first class small plants than to use No. 2 stock of 2-year-olds. Following are the most satisfactory varieties. Remember, we prepay postage or express charges on plants at prices named.

**AMERICAN BEAUTY.**—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large, full flowers, fine buds. A good bloomer. See our American Beauty Collection. Each 25c.

**BARON DE BONSTETTEN.**—Rich, dark red, passing to a deep, velvety maroon, nearly black. A large flower, very highly scented. Each 25c.

**CAPTAIN CHRISTY.**—Is very double; fresh, delicate pink. A splendid sort offered as part of our Favorite Collection. Each 25c.

**CLIO.**—Color flesh pink, shaded rose in center. Large flower of fine form. We think so highly of it we include it in the Favorite Collection. Each 20c.

**COQUETTE DES ALPS.**—Flowers are large and full, finely formed and pure white. Profuse bloomer. Each 25c.

**FRAU KARL DRUSCHKI.**—Beautiful white variety often called White American Beauty, because its habit and growth resemble that popular sort. Offered in Iron Clad Collection. Each, 30c.

**GLORIE DE MARGOTTIN.**—Flowers very large, symmetrical, very full and deliciously sweet scented. Color is clear dazzling red. One of the most brilliant roses. Free bloomer; vigorous grower. Each 20c.

**GENERAL JACQUEMINOT.**—One of the grandest of roses; nothing can surpass them in beauty. Color a rich, dazzling scarlet, shaded with deep, velvety crimson; a superb, glowing color. Each 25c.

**J. B. CLARKE.**—Awarded gold medal of National Rose Society. A hybrid perpetual of unique color, being an intense scarlet shaded with deep, velvety crimson-maroon. Flowers very large and fine. A strong vigorous grower. One of our Iron Clad Collection. Each 20c.

**JOHN HOPPER.**—Flowers are large, regular and full; color brilliant rose, shaded a rich crimson. Blooms are scented very sweetly. Each 25c.

**JUBILEE.**—A grand, hardy, perpetual blooming variety. In color dark crimson, shaded velvety maroon; flowers sometimes 6 in. in diameter. Each 25c.



GEN. JACQUEMINOT

**MRS. JOHN LAING.**—For outdoor planting is undoubtedly the finest. A beautiful soft pink; delicious fragrance; very double and of large size. A constant bloomer. See Iron Clad Collection. Each 25c.

**MADAME PLANTIER.**—Flowers borne in great profusion; are pure white; hardy as an oak, and certain to grow. Blooms in June. Each 20c.

**PAUL NEYRON.**—Double flowers of shining carmine pink. Largest rose known, and one of the most prolific. An exceptional grower, making shoots 4 to 5 feet high. Offered in our Iron Clad Collection. Each 25c.

**TRIUMPH.**—Superb new variety from England, where it is sometimes known as "Hugh Dickson." Color crimson flamed scarlet. Blossom extra large, highly perfumed. Each 25c.

**ULRICH BRUNNER.**—A rich, glowing crimson scarlet; flowers of exquisite shape. The deep red in our Iron Clad Collection. Each 25c.

**VICK'S CAPRICE.**—Perfectly hardy. Flowers large, soft, satiny pink, distinctively striped and dashed with white and carmine. Each 25c.



ULRICH BRUNNER

### GIANT IRON CLAD ROSE COLLECTION

**PAUL NEYRON.**—Beautiful shade of deep pink.

**FRAU KARL DRUSCHKI.**—One of the very largest blooms among white roses.

**ULRICH BRUNNER.**—Glowing scarlet. Form and size equal to the best.

THE IRON CLAD ROSE COLLECTION INCLUDES FIVE OF THE BEST HARDY VARIETIES. PRICE POSTPAID \$1.00.

### AMERICAN BEAUTY ROSE COLLECTION

Who has not heard of the American Beauty, the rose famed in poetry, story and song? The cut flowers are frequently sold during the winter at \$10 to \$25 per dozen. What flower lover has not hoped some day to have a "garden of roses" with American Beauties galore? This collection has proven very popular and has given satisfaction to planters everywhere.

**AMERICAN BEAUTY, WHITE AMERICAN BEAUTY, BLACK BEAUTY, STRIPED BEAUTY, PINK BEAUTY and MOSS BEAUTY.** By mail, prepaid.

**SPECIAL PRICES:** One each of the above for \$1.50.



AMERICAN BEAUTY ROSE.

GOOD ROSES ARE EXTREMELY SCARCE THIS YEAR AND WE HAVE CONFINED OUR LIST TO THE CHOICEST SORTS ONLY



## HARDY CLIMBING ROSES

For porches and trellises nothing surpasses the climbing roses, especially the ever-blooming varieties. Following are recommended as permanent plants.

**CLIMBING AMERICAN BEAUTY.**—Real American Beauty in flower, foliage and fragrance, but grows as a climber, often making 15 feet in a single season. Flowers are very large from 3 to 4 in. in diameter, of fine form and are borne in great profusion. A continuous bloomer, and hardy. Each 30c.

**THOUSAND BEAUTIES.**—(Tausendschon.)—Blooms from the beginning of June until the last of July. Color soft pink when first open, changing to carmine on reverse of petals. Blooms produced in clusters and show different shades at same time, deep pink, grading to light shell pink. It is this feature that gave the rose its name of "Thousand Beauties." Not so thorny as most sorts. Each 25c.

**MARY WASHINGTON.**—Hardy, perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight and named it after his mother. Each 30c.

**SEVEN SISTERS.**—One of the old standard climbing roses. Crimson, changing all shades to white. Blooms in clusters. Each 25c.

**PRAIRIE QUEEN.**—An old standard always popular. Grows successfully everywhere and under any conditions. Bright pink, full and double; a large flower. Each 25c.

**BALTIMORE BELLE.**—Double blush white; large clusters covering plant with bloom. An old time favorite still popular because of its hardness and general excellence. Each 25c.



SEVEN SISTERS  
**CLIMBING ROSE COLLECTION**

One each of Thousand Beauties, Climbing American Beauty, Seven Sisters, Baltimore Belle, Mary Washington and Prairie Queen for \$1.00.



BALTIMORE BELLE

### RAINBOW RAMBLER COLLECTION

One each of Blue Rambler, Crimson Rambler, Yellow Rambler, Dorothy Perkins, White Perkins, for 80c, two-year-old plants only \$2.50, postpaid to your address.



COPYRIGHTED 1922 BY A. E. BLAND  
CRIMSON RAMBLER

## RAMBLER ROSES

**BLUE RAMBLER.**—(Veilchenblau.)—The wonderful new rose which resembles the well-known Crimson Rambler in its climbing habit and manner of growth, having glossy green foliage and bearing large clusters of medium sized flowers.

When first opened its color is an attractive shade of violet crimson, later changing to a more distinctive and the unique shade of violet-blue. Is markedly distinct in color from any other rose. Strong plants each 20c; large two-year-old 60c.

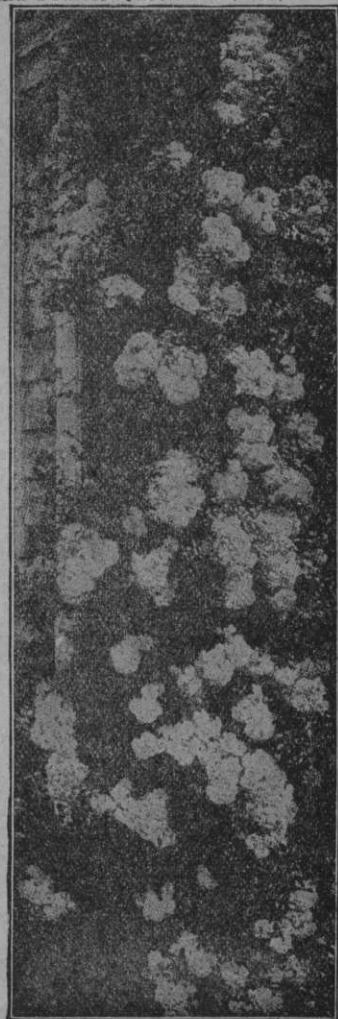
**EXCELSA RAMBLER.**—A greatly improved Crimson Rambler. It begins blooming two weeks earlier and its color is brighter, more intense crimson; almost entirely free from mildew. Each 20c; two-year-old plants each 60c.

**CRIMSON RAMBLER.**—The most popular rose in existence, as it is always satisfactory. Many instances reported of 3,000 to as high as 19,721 flowers by actual count on one bush. Exceedingly hardy. Flowers are produced in large trusses of pyramidal form and of brightest crimson color. Blooms remain on the plant for a great length of time without losing their brightness. Each 20c strong two-year-old plants 60c.

**YELLOW RAMBLER.**—A grand new variety like above except that it is golden yellow. One of the most satisfactory varieties. Each 20c; dormant plants 60c.

**DOROTHY PERKINS.**—A grand new sort remarkably like Crimson Rambler, but flowers more double and beautiful shell pink color. Each 20c; dormant 60c.

**WHITE DOROTHY PERKINS.**—Like the parent variety with pure white flowers. The Dorothy Perkins type is preferred by most rose growers to the ordinary Rambler sorts. Each 20c; two-year-old 60c.



DOROTHY PERKINS

NOTE PARTICULARLY THAT THERE ARE TWO BARGAIN COLLECTIONS OF OUR CHOICE ROSES OFFERED ON THIS PAGE

## SUMMER CLIMBING ROSES

**CLIMBING MALMAISON.**—There is no finer pink than the old, well-known Malmaison, or "Souvenir" of the South, and we are sure that our patrons, one and all, will be glad to hear that we have a climbing variety that is identical with the parent. This variety will prove of inestimable value to all lovers of fine climbing roses. Each 20c.

**MRS. ROBERT PEARY.**—Ever-blooming and while not classed as a hardy variety will live over winter with slight protection. Flowers extra large, full, deep and double. Buds long pointed. Color pure ivory white, of delicious fragrance. Grows 10 to 15 feet in a single season. Each 25c.

**MARECHAL NEIL.**—Grand old French variety, ever beautiful and of surpassing fragrance. Hardy in the south but will not stand severe winters, and must be taken in and kept dormant during the winter, or may be kept in the house or conservatory. winter bloomer. Each 20c.



CRIMSON BABY RAMBLER

## Baby Rambler Roses

This type of roses has created a furore among rose planters in America and we list below four varieties in collection that our customers may have contrast of color necessary for best effects. Hardy. They are very fine for permanent beds and are well adapted for decorative landscape effects.

**CRIMSON BABY RAMBLER.**—A cross of the Crimson Rambler and a Polyanthus variety. The bush is vigorous, absolutely hardy, about 12 inches in height, and on our place every plant was in bloom every day of the summer and fall. 120 flowers have been counted on a single panicle. Each 30c.

**BABY TAUSENSCHON.**—Dwarf form of the "Thousand Beauties" rose. Like the climbing variety, it shows many shades of color, from carmine to shell pink, in the clusters at the same time. It produces blooms in wonderful profusion and a few plants will give the effect of many varieties in a single bed. Each 30c.

**WHITE BABY RAMBLER.**—(Catherine Zeimet.)—The true Baby Rambler type, with pure white flowers. Deliciously fragrant and perfectly hardy. Each 25c.

**PINK BABY RAMBLER.**—(Phyllis.)—A counterpart of the Crimson Baby Rambler except that color is a bright, shining pink. Splendid in combination with the above. Each 25c.

ONE EACH OF THE ABOVE FOUR BABY RAMBLERS \$1.00.

## Fairy Roses

These small roses are marvels of grace and beauty; the blooms are borne in clusters.

**YELLOW SOUPERT.**—(Mosella.)—A choice novelty. The flowers are double; tinted white on a beautiful yellow ground. Each 25c.

**LITTLE WHITE PET.**—A pure white of perfect shape. Each 15c, two-year-old 30c.

**CLOTHILDE SOUPERT.**—One of the most popular and satisfactory roses grown. Wonderfully free bloomer. White, shaded pink. Ea. 25c. Two-year plants each 50c.

**CECIL BRUNNER.**—Is similar to Clothilde Soupert, except it is salmon rose on yellow ground color. Like all others of this class it is extremely free flowering. Each 25c. Two-year 50c.

THE FOUR FAIRIES 75c.



RUGOSA ROSES

## Rugosa Roses

**SIR THOMAS LIPTON.**—A hardy hybrid rugosa rose. Grows 4 feet high, strong and vigorous. Flowers double, pure white. Fine for hedging, cemeteries or massing. Each 25c.

**CONRAD F. MEYER.**—Elegantly formed buds and flowers 3½ to 4 inches across and perfectly double. Color rich, peachy yellow, tinged silver rose; very fragrant, and entirely hardy. Each 30c.

**RED RUGOSA.**—A single-flowered rose. Makes a handsome large bush; bright green leaves; clusters of deep rose colored flowers continuously, followed by large, apple-shaped, bright red fruits. Strong plants 25c.

**WHITE RUGOSA.**—Similar to the above; white flowers. Each 25c.

ONE EACH FOUR RUGOSA ROSES POSTPAID, ONLY \$1.00.



CRESTED MOSS

## Memorial Roses

These hardy little roses creep over the ground like ivy. The leaves are a glossy dark green color.

**WHITE MEMORIAL.**—(Wichuriana.)—Fine for cemetery planting. Flowers are single and pure white; hardy. Each 25c.

**MANDA'S TRIUMPH.**—Is a rapid, sturdy grower; bears a profusion of double, pure white, imbricated flowers; elegant for cemetery planting. Each 25c.

## Moss Roses

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossoms, hardy but needs protection.

**CRESTED MOSS.**—Deep pink buds surrounded by mossy fringe; very fine. Each 30c.

**CRIMSON GLOBE.**—Large flower; deep, rich crimson; very mossy; fragrant. One of the best. Each 25c.

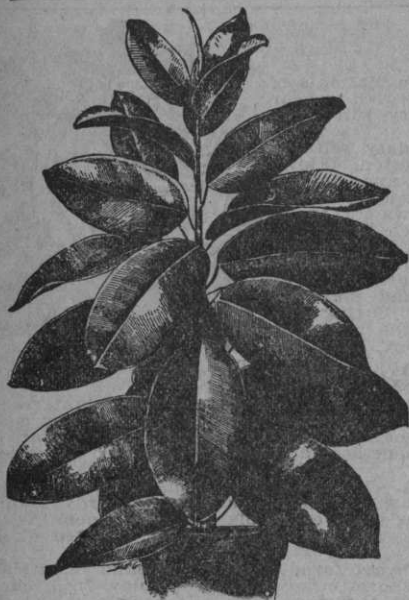
**WHITE MOSS.**—Everyone should have one of these lovely plants. Each 25c.

One each of Moss Roses for 70c.



LITTLE WHITE PET





RUBBER TREE  
**STROBILANTHE**

**ROYAL PURPLE.**—An excellent bedding plant and a beautiful foliage plant for pot culture. Forms a compact bush 18 inches high, with leaves 5 to 9 in. long, of beautiful metallic purple, shading into light rose; flowers violet blue, borne in immense racemes. Each 25c.

### SANSEVERIA

**ZELANICA.**—There is scarcely a decorative plant listed that is more striking in appearance, and certainly none other that will stand as much downright neglect. It will grow in a dark, cool room or stand on the mantle in a heated sitting room. Will stand gas or dust and requires little water yet remains thrifty as ever. Singularly beautiful, as well as easily grown. Erect, rigid, sword-like leaves, which are thick and leathery, dark green color, beautifully striped crosswise with white. Each 25c, large plants 50c.

### SWAINSONIA

**WHITE.**—Beautiful new climbing plant. The habit of growth is extremely graceful, and a plant trained up at the side of a window or on a trellis presents a lovely sight of light green, feathery foliage, and a splendid profusion of pure white sprays of flowers resembling Sweet Peas in form. Easily grown. Each 20c.

**PINK.**—A beautiful new sort, similar to above except that the flowers are a clear pink. Each 20c.

### THUNBERGIA

**ERECTA.**—An interesting shrub, which gives best of satisfaction in the window garden, sun parlor or conservatory. It is hard wooded, erect and branching with small, dark shiny leaves and an almost ceaseless show of large, gloxinia-like flowers. The long tubes are creamy white, the open mouthed bells a rich violet-purple which ends abruptly at the golden throat. Each 35 cents.

### VERBENAS

Everybody likes Verbenas, as there is no one can help enjoying the sight of a nice bed covered with dark green leaves and brilliant blossoms. We have finest of colors. We can furnish separate colors such as red, pink, white, blue, purple, striped, etc., or nicely assorted, just as you prefer, at 10c each, \$1.00 per dozen.

## BANNER VERBENA PLANT COLLECTION

For those who do not wish to grow from seed, we offer a collection of plants which will fill a bed five by eight feet and we offer you as special

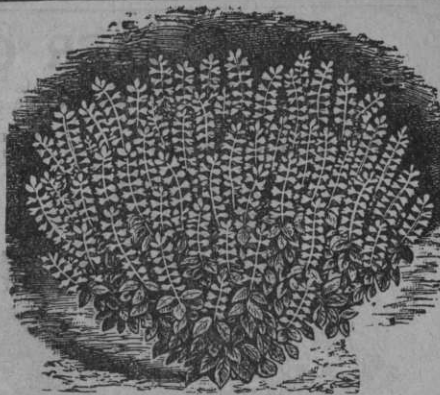
Six plants Defiance Giant Red Verbenas, red... 50c  
Six plants Mammoth Snow White Verbena, white... 50c  
Six plants Superb Large Blue Verbena, blue... 50c

A dozen and a Half Choice Plants in Banner Colors, Postpaid, for Only \$1.00.

MAMMOTH VERBENAS



STROBILANTHE



AMERICA SALVIA  
**SALVIA**

**AMERICA.**—The salvias are among the most brilliant and showy bedding plants. This variety is semi-dwarf, growing about 2 ft. high with long spikes of dazzling crimson flowers. Each 20c, dozen \$2.00. Large size, 4-in. pots, each 25c, doz. \$2.50.

**IMPROVED SPLENDENS.**—Large, tall and fine, bright crimson flower and dark, rich green foliage. Each 15c, doz. \$1.50.

**SNOWSTORM.**—A white flowered, tall growing sort. A few among a bed of scarlet salvias are unique. Each 20c, doz. \$2.00.

**PURPLE PRINCE.**—A beautiful purple shade of this popular flower. Fine for mixed bed. Each 20c, dozen \$2.00.

**ALFRED RAG-ANEAU.**—An improved splendens type somewhat more dwarf in growth, surpassing the old type in vigor and beauty. Each 15c, doz. \$1.50.

**ST. LOUIS.**—Foliage green, with white spots. Blooms bright scarlet, very large. Attractive. Each 15c, dozen \$1.50.

**KING ALBERT.**—A new shade in Salvias. A bright pleasing pink. Habit and growth equal to any of the others. Each 20c.

One each, seven Salvias, Postpaid \$1.



SANSEVERIA



WHITE SWAINSONIA

EVERY YEAR BRINGS US HUNDREDS OF KIND LETTERS FROM OUR PLANT CUSTOMERS. OUR PLANTS PLEASE THEM

# VINES AND BASKET PLANTS

(Listed separately for those who desire them for special uses.)

## CLERODENDRON

**BALFOURII.**—Unique and beautiful. It presents a splendid combination of colors, having bright scarlet flowers with creamy white calyx; a profuse bloomer, young plants a foot high bearing several clusters. A strong and rapid grower. Each 20c.

## CRIMSON CREEPER

**HEERIA ROSEA.**—A pot plant highly ornamental all the time. Long, slender and exceedingly graceful vines, red stemmed, with dark, rich green foliage; and are exceedingly pretty as they hang in wavy tresses over the side of a hanging pot or basket. It blossoms during the late winter, spring and early summer; flowers are large and of a peculiar shade of bright crimson, and borne in great profusion. Each 15c.

## IVIES

**ENGLISH.**—Old favorite, showy the year round. Hardy in South, but will not stand our Iowa winters. Each 15c, large plants 25c.

**VARIEGATED ENGLISH.**—Foliage is prettily marked pure white on dark green ground. A handsome pot plant or for trailing from sides of boxes or baskets. Each 15c.

**KENILWORTH.**—Old familiar trailing ivy. Perhaps the best for shaded places or rooms where light is not very strong. Each 15c, dozen \$1.50.

**PARLOR.**—Well known; popular as a plant for hanging baskets and vases. Grown with very little trouble. Each 15c, dozen \$1.50.

**ONE PLANT EACH OF THE FOUR IVIES ABOVE NAMED FOR ONLY 50c.**

## PASSION FLOWER

**MAMMOTH.**—Flowers 2 to 4 inches in diameter, and the colors a remarkable combination of red, white and blue flowers. Each 20c.

**CONSTANCE ELLIOTT.**—A white-flowered mammoth variety. Each 25c.

## VINCA MAJOR

**ELEGANTISSIMA.**—The handsomest vine to grow in window boxes, hanging baskets, trailing from pots, rockeries, etc. The long, trailing stems of glossy green leaves are broadly margined and variegated with white. Of easiest culture and does well either in sun or in shade. Blue flowers. Each 20c, dozen \$2.00. Large size plants each 35c.

**HARRISONI.**—Similar to above but with darker variegation. Very popular because of its strong growth. A well grown plant will completely fill a large hanging basket. Each 20c, dozen \$1.25. Large size plants each 25c.

## WANDERING JEW (Tradescantia)

An old, well known trailing plant nice for growing in hanging baskets, vases, pots or window boxes. Two sorts with variegated foliage, and also the plain green leaf variety. Each 15c. 3 for 40c.

## HANGING BASKET COLLECTION

This illustration of our popular collection but poorly depicts the beauty of a hanging basket filled with appropriate plants, well grown and healthy. We have in this collection chosen a half dozen plants which will give splendid results with little care and may be grown in any home window garden. Surely an opportunity at the price.

**BOSTON FERN.**—The most popular decorative plant in the entire list. Each 20c.

**REX BEGONIA.**—Most beautiful foliage plant, a source of much satisfaction Ea. 50c.

**WEEPING LANTANA.**—Trailing variety of Flowering Lantana. Each 20c.

**VARIEGATED VINCA.**—The most popular vining basket plant on the list. A favorite with all. Each 20c.

**TRAILING ABUTILON.**—Adding much to the collection with its beautiful flowers and foliage. Each 20c.

**WANDERING JEW.**—The old-fashioned favorite basket plant. Each 15c.

Above postpaid, \$1.25. Or the six plants and one 8-inch wire hanging basket and moss for lining, all postpaid, for \$2.00.

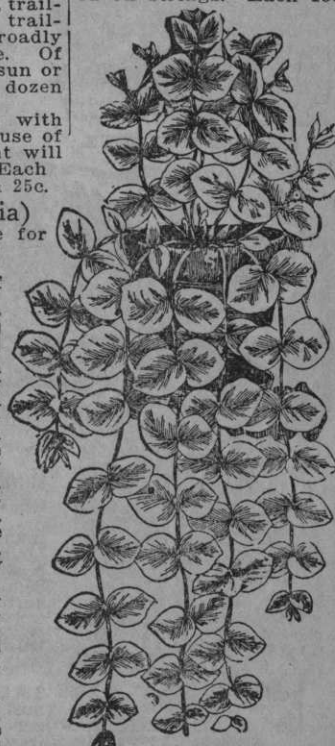


## SAXAFRAGA

**STRAWBERRY GERANIUM.**—Well known, much used old plant for hanging baskets or vases. Long, strawberry-like runners. Will grow vigorously and give satisfaction under hardest conditions. Each 30c.

## SMILAX

A well known and handsome climber. Most popular of all vines with florists. Grows compact and upright, does not require much space. Can be trained on strings. Each 15c.



VINCA ELEGANTISSIMA



MANETTIA VINE

## MANETTA

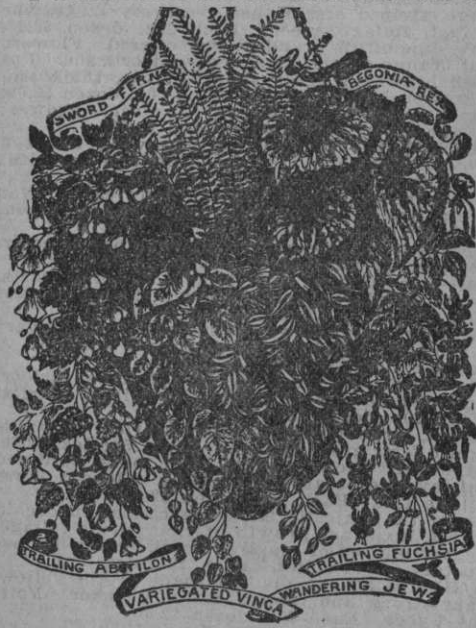
**BICOLOR.**—One of the handsomest little vines in existence. Easily and quickly grown; blooms continuously. Well adapted for hanging baskets, pot culture, vases or beds. Flower of size and shape shown in our cut, brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Manetta Bicolor blooms constantly and profusely in winter when taken into the house. We heartily recommend this vine to all customers. Each 25c.

## MOONFLOWER

**WHITE.**—Very handsome climber, growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers. Each 20c, dozen \$2.00.

**BLUE.**—(Ipomea Leari.)—The flowers are a clear, satiny blue, with well defined crimson bars, very distinct. Each 20c, dozen \$2.00.

1 WHITE AND 1 BLUE MOONFLOWER 35c.



HANGING BASKET COLLECTION

IF YOU WANT TO PURCHASE A HANGING BASKET FILLED WITH ANY PARTICULAR PLANTS, WRITE FOR PRICE COMPLETE.



# BULBS

## For Summer Blooming

### AMARYLLIS

**JOHNSONII.**—Of strong, vigorous growth, bearing from 3 to 6 brilliant red flowers on each stem. The petals are striped with white; very attractive; fragrant. Each 50c.

**FORMOSISSIMA.**—(Jacobean Lily.)—Is of extremely rich, deep velvety crimson. Free bloomer and succeeds well in pots or open ground. Each 20c, 3 for 50c; dozen \$1.75.

**ATAMASCO.**—A fine little bulb for summer blooming; bears pink flowers. Plant closely. Each 15c;

### CALADIUM

**ESCULENTUM.**—(Elephant's Ear.)—A splendid tropical plant, growing 4 to 5 feet, with immense leaves, beautifully veined and variegated with different shades of green, often growing 3 feet long. Of easy culture. Medium sized bulbs 25c, 3 for 65c; large bulbs 40c, 3 for \$1.00; mammoth 65c, 3 for \$1.50.

**FANCY-LEAVED.**—Popular for conservatory, greenhouse and window boxes, but nearly all varieties succeed admirably planted out of doors, when the ground has become warm, in partly shaded, sheltered borders. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties, each 40c; dozen \$4.00.

## GLORIOUS CANNAS

These are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

**A. CROZY.**—Height 4 feet. Green foliage. Crimson scarlet, with broad gold border. One of the most striking among the long list of cannas. See illustration. Each 20c; dozen \$2.00.

**BRANDYWINE.**—Height 4 ft. Handsome bronze variety. Leaves show tinting of green in such a way they appear striped. Flowers large, wine red, dappled crimson. Each 20c, doz. \$2.00.

**BUTTERCUP.**—A medium growing variety with green foliage and bright yellow flower. Very attractive and fine in contrast planting. Each 20c; doz. \$2.00.

**CALIFORNIA.**—Rare and handsome; color a pure rich orange gold, good habit of growth, large flowers, erect head and blooms freely; green foliage. Height 3 feet. Ea. 20c; doz. \$2.00.

**CHARLES HENDERSON.**—Four feet high. Green foliage; one of the finest bedding plants in existence; compact, vigorous growth; free bloomer; deep, rich crimson. Each 15c, doz. \$1.50.

**FLORENCE VAUGHAN.**—It is 5 feet high. Dark green foliage; yellow flowers, spotted with bright red. Is fine for bedding. See illustration above. Each 15c; dozen \$1.50.

**INDIANA.**—Orange, striped and dashed red; very large, fine flowers. Height 6 feet, foliage green. Each 20c; dozen \$2.00.

**KING HUMBERT.**—One of the grandest ever offered. Flowers extra large. Bright orange scarlet streaked with crimson. Foliage is bronze with brownish green stripes, large, thick and leathery. Strong grower, height 4 feet. Each 20c; dozen \$2.00.

**LOUISIANA.**—Fine. Color vivid scarlet. A strong grower; height 6 feet. Foliage green. Each 20c; dozen \$2.00.

**MARTHA WASHINGTON.**—Dwarf variety growing about 3 feet tall. Very profuse bloomer. Flowers large, and beautiful bright pink color. Each 20c; doz. \$2.00.

**MONT BLANC.**—The nearest pure white of any canna ever offered. The flowers are large and showy. Foliage green. Height 3 feet. Each 25c, dozen \$2.50.

**NEW YORK.**—Leaves very large and broad, dark purple color. Flower Scarlet. A splendid sort. Each 20c, dozen \$2.00.

**PENNSYLVANIA.**—One of the best orchid flowered sorts. Foliage green, flowers very large, bright scarlet, shaded orange; height 6 feet. Each 20c; dozen \$2.00.

**SHENANDOAH.**—A large pink flower of splendid form. Dwarf habit but strong grower. Height 3 feet. Bronze foliage. A popular sort. Each 20c; dozen \$2.00.

**DAVID HARUM.**—Height 3½ feet. A dark foliage variety, with very large petaled flowers of intense vermilion scarlet. Choice variety. Each 20c; dozen \$2.00.

**UNCLE SAM.**—Great, large flower of orange scarlet. A striking variety. Height 6 feet; green foliage. Each 25c; doz. \$2.50.

**VENUS.**—Height 4 feet. Flowers extra large, pink, bordered yellow. A general favorite because it makes a splendid show. See illustration at the left. Each 20c; dozen \$2.00.

**WYOMING.**—One of the majestic flowering cannas in orchid flowering class with a luxuriant growth of rich purple foliage. Above are borne great plumes of massive orange-colored blossoms with large petals. Seven feet. Each 20c; doz. \$2.00.

**YELLOW KING HUMBERT.**—A distinct shade bright yellow. Flowers large, plant strong and robust; a free bloomer. Foliage green. Height 3 feet. Each 25c; dozen \$2.50.

**MIXED BEDDING CANNAS.**—Each 15c; dozen \$1.50.



CALADIUM ESCULENTUM.



FANCY LEAVED CALADIUMS



A. CROZY FLORENCE VAUGHAN and VENUS

### Uncle Sam Canna Collection

One each of the following choice varieties:

Brandywine, California, Indiana, Louisiana, Martha Washington, New York, Shenandoah, Uncle Sam, Pennsylvania. Ten superior sorts postpaid for only \$2.00.

### Contrast Canna Bed Bargain

A few of the best as follows:  
2 A Crozy, 2 David Harum, 2 Venus, 2 Chas. Henderson, 2 Buttercup, 2 King Humbert. A fine contrast in flower and foliage.

Postpaid for \$2.00.

## CINNAMON VINE

This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon; is appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves, clusters of delicate white flowers and delicious cinnamon odor it is most desirable. We furnish the large tubers, postpaid, for 15c; 2 for 25c; doz. \$1.25. We can supply small bulbets from which the large tubers may be grown in one season at 20c per doz.; 100 for \$1.00.

## STATELY DAHLIAS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until frost. Especially fine for cut flowers. Out of the many varieties we have selected the following as of special value. For best results start roots early in the house. Late in the season, when dry roots become exhausted, we then fill orders with strong rooted pot plants.

### DECORATIVE DAHLIAS

For type of blooms see Nos. 1 and 2 in group picture.

**DELICE.**—A new dahlia, greatly prized by specialists because it is a new shade—an exquisite glowing rose pink—a soft yet brilliant shade. Admirable in vigor and habit of growth. Ea. 30c, 3 for 75c.

**ELSIE DAVIDSON.**—Giant-flowering, deep golden yellow. A popular variety because of form and color. Each 35c.

**JACK ROSE.**—So named because the color is brilliant crimson red, almost exactly like the General Jacqueminot rose. Popular because of brilliant color which shows to advantage in any collection. Each 30c, 3 for 75c.

**BARON GRANCY.**—One of the best white decorative dahlias, resembling the paeony. Petals are uneven, giving the flower a unique appearance. Color white, effectively overlaid pink. Ea. 35c.

**SYLVIA.**—(See cut No. 2.)—A very lovely shade of mauve pink, shading to white in the center. A fine flower on a vigorous plant. One of the best decorative dahlias of lighter shade. Ea. 30c, 3 for 75c.

**SOUVENIR de GUSTAV DOAZON.**—Giant flower, strong plant. Ordinarily 6 inches and sometimes fully 9 inches across. Blooms in abundance. Color bright, dazzling red. Each 25c, 3 for 60c.

### SHOW DAHLIAS

Type of blooms, Nos. 3, 4 and 5 of group picture.

**A. D. LIVONI.**—(See cut No. 4.)—Also offered under the name Ethel Vick. Early blooming variety. Very handsome and best of the pink show sorts. Each 30c, 3 for 75c.

**W. W. RAWSON.**—Flowers 18 inches in circumference; petals are rolled up so that they overlap each other. Color is pure snow white slightly tinged with delicate light blue at center. Each 35c, 3 for 90c.

**LE GRAND MANITOU.**—(No. 5.)—Richest crimson velvet. About half the petals are tipped with a large spot of white. Frequently flowers are solid scarlet, but most are variegated. Each 30c, 3 for 75c.

**MERLIN.**—A beautiful orange-scarlet. One of the very finest offered. Free flowering and good for cut flower purposes. Each 30c.

**NORMA.**—A dahlia that should be grown by all flower lovers. Flowers are large, perfectly quilled, and of a most exquisite shade live bright orange. Ea. 30c.

**QUEEN VICTORIA.**—Plant a robust grower and so covered with flowers as to appear almost like a solid mass of golden yellow color. Blooms early. Each 25c, 3 for 60c.

**ROBERT BROOMFIELD.**—Pure white. Tall grower. Each 30c.

**STRADELLA.**—Beautiful deep purple-crimson. Exceptionally free flowering. Stems long and wiry. One of the finest to date. Ea. 30c.

### POMPON DAHLIAS

The small flowered type so popular for bouquets and cut flowers.

**AMBER QUEEN.**—An extra free bloomer, clear amber shaded apricot; fine. Each 25c, 3 for 60c.

**DARKNESS.**—Dark maroon. Furnishes the heavy color for contrast. Strong grower. Each 25c, 3 for 60c.

**FAIRY QUEEN.**—Sulphur yellow, edged pink. Each 20c.

**PRINCE CHARMING.**—Cream, very heavily tipped purple. One of the best. Each 30c, 3 for 75c.

**SUNBEAM.**—A crimson scarlet. Splendid as a solid color decoration any time or place. Ea. 30c, 3 for 75c.



DAHLIAS (REFER TO NUMBER IN DESCRIPTION)

### CACTUS DAHLIAS

**COUNTLESS OF LONSDALE.**—A peculiar pleasing shade of salmon pink or apricot, shading to carmine at edge of petals. Strong, vigorous grower. Ea. 40c, 3 for \$1.00.

**STERN.**—A most attractive flower. Color is bright primrose yellow. Very bright and particularly pleasing in mixed bouquets. It will please dahlia lovers. Ea. 40c, 3 for \$1.

**J. H. JACKSON.**—The finest black cactus dahlia in existence. In color a perfectly gorgeous, deep, velvety blackish-maroon. Gigantic in size. Each 30c, 3 for 75c.

**KREIMHILDE.**—Bright, shining pink, gradually shading to white at the center. Vigorous grower producing the flowers on perfect long stems. Each 30c, 3 for 75c.



CACTUS DAHLIAS

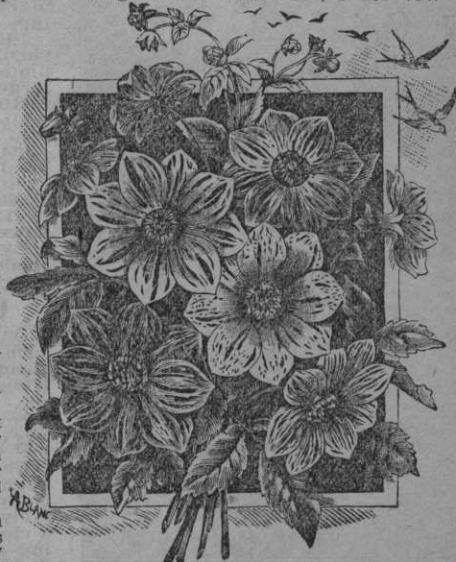
### TWENTIETH CENTURY DAHLIAS

**BLANCHE.**—The flowers are large and very attractive, being a pale yellow at the base, faintly tipped pink, with a cast of pure white over the whole flower, making it one of the most delicate varieties to date. Each 30c, 3 for 75c.

**MILDRED.**—One of the most charming of the single type. The color is a bright, clear yellow and exceptionally heavy. Each 40c.

**ROSE PINK CENTURY.**—Flowers six inches and over in diameter; of a clear rose pink color; a strong grower with long, stiff stems. Fine as a cut flower and shows extra well under artificial light. Each 30c, 3 for 75c.


**20TH CENTURY.**—Purest white at both base and tips, and the center of petals is a delicate blush rose. Very large, 5 to 7 inches in diameter. Each 30c, 3 for 75c.



TWENTIETH CENTURY DAHLIAS

THE BEST OF THE DIFFERENT DAHLIA TYPES ARE OFFERED. YOU CAN EASILY FIND YOUR FAVORITE AMONG THEM.





## CHOICE GLADIOLUS.

These are a specialty with us. It is the most desirable of all bulbs and it is claimed by many who are well acquainted with their varied beauty, to be the flower of flowers.

### NAMED VARIETIES

**AMERICA.**—A splendid new variety of beautiful soft pink shade. It will delight the gladiolus grower with its large flowers and pleasing beauty. Each 6c; dozen 60c.

**AUGUSTA.**—White ground color with blue shading. Fine variety as it is very vigorous and spikes are large and fine. A very beautiful flower. Each 7c; dozen 70c.

**CHICAGO.**—A splendid large flower of purest white borne in great spikes. Each 10c, dozen \$1.20.

**AMETHYST.**—A large, open flower of violet underlaid terra cotta. Rich and striking. Each 5c, dozen 50c.

**GOLD COIN.**—Cream yellow, rich maroon spots in lower petals. One of the best of light sorts. Ea. 6c, doz. 60c.

**HALEY.**—Color pure salmon pink. A very large, open flower, borne on spreading stalks. Each 5c, dozen 50c.

**INDEPENDENCE.**—Extra large open flowers handsome salmon rose color. Grows nearly 3 ft. high. Ea. 5c, doz. 50c.

**MRS. FRANK PENDLETON.**—Flowers large pink with brilliant carmine blotches on lower petals. Ea. 10c, doz. \$1.20.

**MEADOWVALE.**—Pure white ground, crimson throat and stripes of pink in lower petals. Beautiful. Ea. 5c, doz. 50c.

**MRS. FRANCIS KING.**—Great beauty. The color is pleasing light scarlet. The spike is strong, flowers large. Each 6c, dozen 60c.

**NIAGARA.**—Tall stalk, strong stem, vigorous; color canary and cream shadings. Splendid. Each 7c, dozen 70c.

**PRINCEPS.**—Rich crimson with deep shadings in throat, and fine large white blotches on the lower petals. Flowers large and fine. Each 7c, dozen 70c.

**ROUGE TORCH.**—A beautiful large white with scarlet feather in lower petals. A good variety. Each 7c, doz. 70c.

**TACONIC.**—A beautiful flower of a lovely pink color, striped and flaked lighter shade, and with throat of light blush. Each 7c, dozen 70c.

**VELVET KING.**—Almost solid colored flower of deep crimson. A very fine variety for bouquets or decorative effects. Each 7c, dozen 70c.

### GLADIOLUS COLLECTION

One choice first size, extra large bulb each of America, Amethyst, Gold Coin, Meadow Vale, Bernice, Mrs. Frances King, and Rouge Torch; 7 choice sorts 40c, postpaid.

### HYACINTHUS CANDICANS

The stems are 3 to 4 feet high; bear quantities of large, drooping flowers, ivory in color and bell-shaped. Delicately fragrant and by planting closely a clump of these will produce a charming effect. Large bulbs each 10c, doz. \$1.00.

### SPECIAL GLADIOLI MIXTURES

For the benefit of such of our customers as wish a number of given tints for massing we are offering at attractive prices some of the choicest mixtures to be found in this country.

**ALTOONA MIXED.**—This is put first in our list of Gladioli because we believe it is the best mixture in existence. Is made from the named varieties on this page and other very choice sorts which we do not list. Large bulbs each 5c, dozen 50c, 100 for \$4.00.

**SILVER TROPHY MIXED.**—Considered one of the finest of commercial mixtures. Our stock was procured from the originator and has been carefully grown, so that we can without hesitation recommend it to our friends. Each 5c, dozen 50c, 100 for \$4.00.

**FINE MIXED.**—Our own mixture containing a wide range of color; offered at a very low price and we feel sure they will prove satisfactory. First size each 4c, dozen 40c, 100 for \$3.00.



HYACINTHUS CANDICANS



I.S. CO. 1904

## BEAUTIFUL LILIES

Nothing can surpass the Lily in beauty, purity, delicacy and stately, magnificent grandeur. A few clumps planted in some place in your yard where they will not be disturbed from year to year, will reward you with abundant flowers. These varieties are, perhaps, the most popular lilies grown, being of easy cultivation, and producing large flowers of delicate beauty on strong stems. Bloom better the second year and thereafter.

**AURATUM.**—(Japanese Gold-Banded Lily.)—This is justly entitled to the name given it, "The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 50c, dozen \$5.00.

**SPECIOSUM RUBRUM.**—These are perhaps the most popular lilies grown, being easy of cultivation and produce large flowers of delicate beauty on strong stems; height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant and have all the hardness of the Speciosum class. Each 35c, 3 for \$1.00.

**SPECIOSUM ALBUM.**—The finest of the pure white, hardy perennial garden lilies. Has large white flowers of great substance, beautifully recurved. Each 40c, 3 for \$1.00.

**MELPOMENE.**—Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bearded with pinkish crimson. Petals recurved, widely bordered. Each 35c, 3 for \$1.00.

**TENUIFOLIUM.**—The lovely Coral Lily of Siberia, brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed a little beauty and will be a delight in your garden. Perfectly hardy and will increase in beauty each year. Each 25c, doz. \$2.50.



### EASTERN SPLendor LILY COLLECTION

A selected choice bulb of each of following varieties:  
**Auratum Rubrum, Album and Melpomene**

The finest varieties of cultivated lilies; all perfectly hardy anywhere.  
Postpaid for only 75c

### Winter Blooming Bulbs

Owing to the world war we are unable to procure many items which we formerly listed. We have omitted some of the hardy Lilies, all the Hyacinths, Tulips and other Holland bulbs and some other plants and shrubs which we have imported in years past.

We cannot make prices on these bulbs for fall delivery now but will issue a list in August and will mail a copy to each of our greenhouse customers.



LILIIUM TIGRINUM SPLENDENS

### CALLA LILIES

These are generally sent out as dry bulbs, but the Little Gem variety are always started plants. Should our stock of dry bulbs become exhausted we will send growing plants instead.

**MAMMOTH WHITE.**—Largest flowering variety and most majestic. It is of perfect flowering form with large tropical appearing leaves of bright green color and yielding throughout the season a profusion of white flowers. Large size each 25c, 3 for 60c; medium size each 20c, 3 for 50c.

**ELLIOTTIANA.**—This magnificent new yellow calla is of marvelous beauty. The flowers are very large and of the brightest golden yellow. Leaves beautifully spotted with white. Each 35c; 3 for 90c.

**LITTLE GEM.**—A perfect miniature Calla, growing 8 to 12 inches high, producing beautiful snow-white blossoms. Blooms summer or winter, beginning when a few inches high. Growing Plants 20c, 3 for 50c.

**SPOTTED LEAF.**—Leaves deep green with white spots, giving plant a magnificent appearance. Flowers are of pure white with black centers. Each 20c, 3 for 50c.

### HARDY EASTER LILY

The true Easter lily is not hardy and is grown in the house during the winter. The hardy variety (*Lilium Candidum*) can be grown in same way as other field lilies, but we cannot supply stock in spring. Popular for its purity and fragrance. Orders sent in spring will be filled in the fall. Each 25c.

### TIGER LILIES

The old fashioned tiger lilies were favorites for many years, and are still popular. The improved varieties here offered are far superior to the old kind and are worthy a place in any garden.

**DOUBLE TIGER LILY.**—A double form of the Old Tiger Lily. The flower is densely double color orange red, spotted with black. Blooms freely; should be more largely grown. As hardy as the old-fashioned tiger lily and much more beautiful. Each 25c, doz. \$2.50.

**TIGRINUM SPLENDENS.**—An improved Tiger Lily growing sometimes 5 feet high and producing large pyramids of orange red flowers spotted with black. Each 20c, doz. \$2.00.



DOUBLE TIGER LILY



LITTLE GEM CALLA

THE HARDY FIELD LILIES CAN BE PLANTED IN EITHER THE SPRING OR FALL AND EQUALLY GOOD RESULTS OBTAINED.



## HEMEROCALIS LILIES

Hardy, herbaceous plants that multiply rapidly. Very desirable for clumps and mass planting.

**LEMON LILY.**—Handsome flower for garden culture. Not a true lily, as bulb is different shape, but flower is much like *Lilium Speciosum* in form and about 3 inches in diameter. Color is different from others, a clear lemon yellow of very bright, pleasing appearance. Have also a most delightful lemon fragrance. Immense amount of bloom produced. Each 20c; dozen \$2.00.

**ORANGE LILY.**—Similar to Lemon Lily, fine orange color. A bed of these and Lemon Lillies intermingled will give a most pleasing effect and a wealth of blossoms will be available for table decorations or bouquets. We wish all our flower loving customers to try the two lillies mentioned. Each 20c; dozen \$2.00.

**BUTTERCUP LILY.**—*Hemerocalis Thunbergii*.—Is a splendid variety of *Hemerocalis* which blooms in July. Grows 4 feet high and produces large lily-like flowers of buttercup yellow. Each 20c, dozen \$2.00.

**SPECIAL OFFER.**—We will send 2 Lemon and 2 Orange, 2 Buttercup Lily bulbs for 90c, postpaid.

## LILY OF THE VALLEY

A well-known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. To grow in the open ground one should select a partly shaded and rather moist situation, and they are very charming when grown in large patches as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 25c; dozen 75c.

## MADEIRA VINE

Also called Mignonette Vine and Mexican Vine. A beautiful tuberous-rooted climber, with rather plain, thick leaves and handsome racemes of fragrant white flowers. The vine makes a very rapid growth and a few plants will cover a trellis or cottage in a single season. It is a very pretty thing to use for shading a porch or veranda, as the leaves are brilliant, glossy green. The bulbs are frequently known as "Madeira Potatoes," and our stock is particularly well grown, carefully sorted, strong and vigorous. Each 10c; dozen \$1.00.

## SUMMER OXALIS

No bulb is so valuable for edging the borders of walks or flower beds as the beautiful flowering Oxalis. When planted three inches apart they produce an unbroken row of elegant foliage and pretty flowers; blooms quickly after planting.

**SHAMROCK.**—Leaves resemble four-leaf clover; the flowers rose color and borne in profusion on vine-like stems. Pretty for border. Per dozen 15c; 100 for \$1.25.

**DIEPPI ALBA.**—Pretty low-growing variety with light green leaves and clusters of pure white; bell-shaped flowers; blooms profusely. Dozen 15c; 100 for \$1.25.

**LASIANDRA.**—Large, dark green, palmate or five-fingered leaves, with clusters of rosy pink flowers. This is taller than above. A most satisfactory bulb for bordering flower beds. Doz. 15c, 100 for \$1.25.

## TUBEROSE

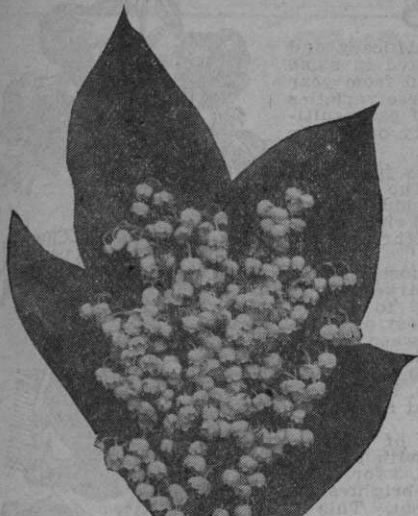
**NEW EXCELSIOR PEARL.**—The tuberose is justly a universal favorite and very easily grown. This variety has short, robust stem and long spikes of large flowers, which are perfectly double and twice the size of the common tuberose, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for buttonhole bouquets. First size each 10c; dozen \$1.00. Medium size each 7c; dozen 70c.

**MEXICAN SINGLE.**—Grows 3 feet high, producing two to five flower stems from one bulb. Flowers single, pure white, much pleasanter in fragrance than the Pearl. Each 10c; doz. \$1.

**VARIEGATED LEAVED.**—Leaf bordered a creamy white; flowers single but very large and exquisitely fragrant. Bulbs continue to grow and bloom year after year. Each 10c, doz. \$1.

## TRITOMA

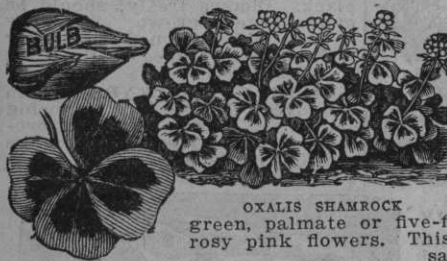
**PFITZERI.**—(Flaming Torch.)—Flower spikes are produced in great freedom and are of rich orange scarlet, in bloom is a grand sight, or, scattered through the flower garden it adds brightness and is in its glory when nearly all other flowers are seared with frost. Each 35c.



LILY OF THE VALLEY

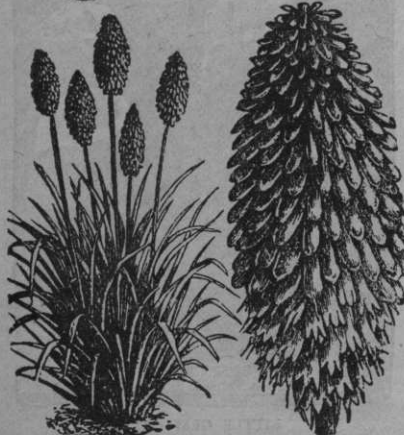


MADEIRA VINE



OXALIS SHAMROCK

green, palmate or five-fingered leaves, with clusters of rosy pink flowers.



TRITOMA PFITZERI



LEMON LILY



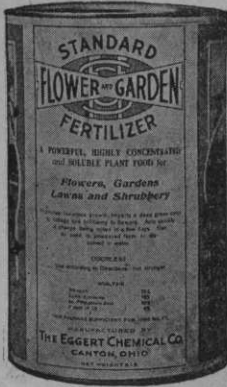
ORANGE LILY



PEARL TUBEROSE



## WINDOW GARDEN SUPPLIES



These goods are sent by express or freight, customer paying charges, unless otherwise noted. Note mailing weight and postage required by parcel post.

**STANDARD HOUSE AND GARDEN FERTILIZER.**—A highly concentrated product which promotes luxurious growth, increases yield, imparts a deep green color to foliage and brilliancy to flowers. A pinch for a house plant, a pound for 200 square feet of ground. Directions with each package. Half pound 35c; lb. 60c; 5 lbs. \$1.75. Add postage as per table page 13.

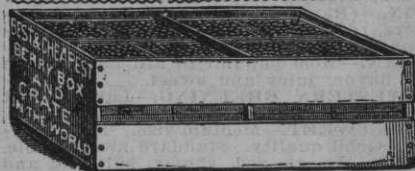
**STERLINGWORTH PLANT TABLETS.**—Highly concentrated food for plants, put up in small tablets to be used as needed. No. 1 pkg. (30 tablets) each 15c; No. 2 pkg. (100 tablets) each 25c; No. 3 pkg. (250 tablets) each 50c, postpaid at prices named.

**RED SNAPPER PLANT FOOD.**—A concentrated food for house plants, registered in Iowa. Trial size (10 oz.) 30c, postpaid. Regular size (24 oz.) Plant Food and 8 oz. Plant Tonic, with booklet of instructions, postpaid 60c, or by express 50c; 12½ lb. bag with tonic and booklet; by express \$1.50.

**FLOWER POTS.**—The following prices per dozen are for pots and saucers: 4-in. \$1.25 5-in. \$1.75; 6-in. \$2.50; 7-in. \$4.25; 8-in. \$6.25. Packing 50c extra on each order unless it amounts to \$2.00 or more. Cannot go by mail.

**PAPER FLOWER POTS.**—Made of heavy strong waterproof paper. Fine for growing vegetable plants, pansies, asters, etc. By using these you do not have to disturb roots of plants when setting in the open. 2½-in., by express, doz. 10c, 100 for 65c; 3-in., by express, doz. 15c, 100 for \$1.00; 4-in., by express, doz. 25c, 100 for \$1.75. If to go by mail add postage, weight per dozen, 1 lb., per 100 3 lbs. Write for quantity prices.

**SCOLLAY'S SPRINKLERS.**—Made of pliable rubber with metal cap. Large size holds about one pt., small size about one-third pt. Indispensable for floral work. Excellent for washing the foliage of house plants, and sprinkling clothes. Large, each \$2.00, small \$1.50, postpaid.



**BERRY BOXES.**—Made of the best white wood (poplar), heart stock, cut smoothly, and perfect shape, size 4¼x4¼x3¾, to hold a dry measure quart. The bottom is set up for ventilation. Usually put up in bundles of 500 boxes complete for shipment and all ready for putting together, which can be done very rapidly. 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 \$1.00; 1,000 \$7.00; 10,000 or more at \$6.50. Weight, 10 lbs. per 100.

**PINT BOXES.**—Same as regular quart size except they are only two inches high. For red raspberries and other soft fruits. Price same as quarts.

**CRATES.**—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down." They make a neat, strong and cheap package holding 16 to 24 quart boxes. Price: 16-qt. crates per 10 \$2.50, per 100 \$21.00; 24-qt. crates per 10 \$3.00, per 100 \$27.50. Weight, 16-qt., each 4 lbs.; 24 qt., each 5 lbs.

**CRATES FOR PINT BOXES.**—24-pt. size, per 10, \$2.50; 100 for \$21.00. Weight 3½ lbs. each.

**CRATE NAILS.**—Far superior to common nails, as they hold much better. Ten pounds (makes 100 crates) \$1.00.

**ANNEALED TACKS.**—Made of the very best Swedes iron and of proper length so that they go through either two or three thicknesses of the material and clinch to hold securely. A lb. will make 1,000 boxes. Lb. 50c, 3 lbs. \$1.35.

**WIRE STAPLING MACHINE.**—Standard. For making berry boxes. The latest improved, operated by foot power, and can be easily operated by any one. Makes boxes very rapidly. Made in two sizes and can be shipped direct from the factory in Michigan at the following low prices: No. 1 (standard size) each \$40.00.

**STAPLING WIRE.**—To use with the above machine for making boxes. Per coil of 12 lbs. \$1.80, 5 coils or more at \$1.75 per coil.

**MAGNETIC TACK HAMMER.**—Picks up the tacks and saves much of the labor. Each 25c. Mailing weight 1 lb.

**SPHAGNUM MOSS.**—For packing plants and soft nursery stock. Write for price in quantity. Large wired bale \$1.75; burlap covered bale \$2.50.

**SULPHO-TOBACCO SOAP.**—For a cheap, effective, clean and harmless insecticide this is unexcelled. Quickly exterminates all insect life on plants and flowers. Unsurpassed for rose bushes. It rids the house of cockroaches and is a superior wash for dogs and all animals. Prevents poultry lice. Three-ounce cake, sufficient for 1½ gals. solution, by mail, postpaid, 15c; by express 12c. Eight ounce cake, for 4 gals. solution, by mail, postpaid, 30c; by express 25c. Six eight-ounce cakes, by express, \$1.35. If to go by mail add postage, weight of six cakes 4 lbs.



**FISH OIL SOAP.**—(Usually called Whale Oil Soap.)—An excellent preparation for plants infested by vermin. Also used against fungus diseases and will keep trunks of trees free from borers and all other bark destroyers. Lb., by express, 35c. If to go by mail, add postage for mailing, weight 2 lbs.

**BOWKER'S FOOD FOR FLOWERS.**—A fertilizer made especially for plants; clean, free from offensive odor and soluble in water, producing healthy plants and abundant blossoms to which it imports a brilliant color. Box sufficient for twenty plants one year. By express, large package 35c; small 20c. If to go by mail add postage for mailing; wt., large pkg., 2 lbs., small pkg., 1 lb.



SCOLLAY'S SPRINKLER

## FRUIT PACKAGES

We are prepared to furnish you the best stock made, at low prices. We handle a great many carloads each year, and from our long experience of more than a quarter of a century we are enabled to select superior stock. It pays to have bright stock which will make the fruit look nicer and sell better. Prices named here are subject to change during season. All goods in this department go by freight or express at customer's expense for carriage. If wanted by mail figure from Parcel Post Table on page 13, from weights given for each item, and send postage necessary.

### NURSERYMEN'S SUPPLIES

**GRAFTING WAX.**—A special preparation for application where trees have been pruned; for preventing the loss of sap where wounds are made in the bark or from broken limbs and to hold grafts together while parts are healing. Price, ½ lb. pkg. 20c; mailing weight 1 lb.

**TREE PRUNER.**—Strong wooden handles 24 inches long; 1¼ inch cut; powerful and effective. The best pruner where branches are within reach. Each \$1.75. Mailing wt. 4 lbs.

**WATER'S TREE PRUNER.**—The standard make; with 6-ft. pole \$1.65; 8-ft. pole \$1.85; 10-ft. pole \$2.00 Can't mail.

**IMPROVED HAND PRUNING SHEARS.**—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape vines, etc. Made of best steel, 8 inches long, straight spring (can't lose out). Price \$1.75. Mailing weight 1 lb. each.

**CONNECTICUT PRUNING SHEARS.**—A good tool for most work. Steel blades, spring and malleable handles. Price 85c. Mailing weight 1 lb.

**TREE LABELS.**—¾ inch, plain, copper wire. Per 100 45c, per 1,000 \$3.75. Not wired, per 100 30c, per 1,000 \$2.40. Mailing weight 4 lbs. per 1,000.

**POT LABELS.**—Smooth wood labels, 4-in. per 100 20c, per 1,000 \$2.40; 6-in. per 100 45c, 1,000 \$3.75; 10-in. per 100 \$1.00, per 1,000 \$9.00. Mailing weight, 4-in. 4lbs.; 6-in. 6 lbs.; 10-in. 10 lbs. per 1,000.

**PRUNING COMPOUND.**—Sherwin-Williams Pruning Compound is one of the oldest mixtures of this type on the market. It is well known to many fruit growers. It is furnished in semi-paste form and thoroughly protects the wounds made in pruning, preventing the entrance of all moisture, and due to its antiseptic qualities, it prevents the development of fungus diseases which often take place unless the pruned wood is properly cared for. Price, per qt., 75c, gal. \$2.50.





# NURSERY STOCK

Carefully packed and are sure to please.

Fifty or more of any sort sold at the hundred rate; purchaser to pay transportation charges by express or freight on all nursery stock unless otherwise quoted. Orders must amount to at least one dollar. These are shipped direct from the nursery and cannot be sent with other goods. Ask for special prices on large orders.

## APPLES

Price \$1.00 each, \$12.00 per dozen, 100 for \$100.

### Summer Varieties

**BENONI.**—Medium size, bright red; rich flavor, tender and juicy. Very productive.

**DUCHESSE.**—Yellow, striped red; medium to large; extremely hardy and productive.

**EARLY HARVEST.**—Large, golden yellow; splendid quality. Very popular in Iowa for many years.

**RED JUNE.**—Choice quality, very early, bright dark red, small to medium size.

**YELLOW TRANSPARENT.**—Very early, light yellow medium size; juicy, sub-acid.



YELLOW TRANSPARENT APPLE

## CRAB APPLES

Price \$1.00 each, \$12.00 per dozen.

**HYSLOP.**—Small, dark red, splendid variety.  
**TRANSCENDENT.**—Small, yellow, popular.  
**WHITNEY.**—Large, bright red, vigorous and productive. A very popular variety.

## CHERRIES

Price \$1.50 each, dozen \$18.00.

**EARLY RICHMOND.**—Medium size, dark red juicy, acid flavor. Unsurpassed for cooking. Standard early variety in Middle West.

**MONTMORENCY.**—Large red acid cherry; is larger than Early Richmond and about ten days later. A superior sort for home use.

**WRAGG.**—Large, late acid variety, dark purple; very productive.

**ENGLISH MORELLO.**—Deep, dark red. Very acid, but fine for pies. Late.

## PEARS

Any of the following by exp. \$1.50 each, doz. \$18.

**CLAPP'S FAVORITE.**—Very large, yellow and dull red with russet specks. Rich and melting. Ripens in August.

**KIEFFER.**—Large, rich colored and good quality. Excellent for canning; will keep until winter. Hardy. Ripens in October.

**BARTLETT.**—Large size, excellent quality. A leading variety. Ripens in August.

**SECKEL.**—Small, but of excellent quality; very hardy. Ripens in September.

**WORDEN SECKEL.**—Seedling of Seckel but larger. Best quality. Ripens in September.

## SHADE TREES

We shall be pleased to supply Shade or Ornamental Trees at prices given. Please remember they come direct from the nursery and cannot be shipped with any other goods except nursery stock.

**ASH—American White.**—Fine, hardy trees of symmetrical, rapid growth. 5 to 6 ft., 40c each; \$3.50 per 10. 6 to 8 ft., 60c each; \$5.50 per 10.

**BOX ELDER.**—Well known, quick-growing, hardy tree. Succeeds everywhere. 5 to 6 ft., each 40c; \$3.50 per 10. 6 to 8 ft., 60c each; \$5.50 per 10.

**CAROLINA POPLAR.**—Takes first rank among rapid growing trees. It thrives everywhere. Resembles Cottonwood but does not bear seed. 5 to 6 ft., 30c each; \$2.50 per 10. 6 to 8 ft., 40c each; \$3.50 per 10.

**CATALPA SPECIOSA.**—Fine, rapid grower. Valuable also for timber, posts and cross-ties. Popular in semi-arid regions. 5 to 6 ft., 40c each; \$3.50 per 10. 6 to 8 ft., 60c each; \$5.50 per 10.

**ELM—American White.**—Well known, beautiful shade and park tree. 5 to 6 ft., 40c each; \$4.00 per 10. 6 to 8 ft., 60c each; \$5.50 per 10.

**LINDEN.**—American. Known also as Basswood or Whitewood. A fine spreading native tree with large leaves and fragrant flowers. 5 to 6 ft., \$1.00 each; \$10.00 per 10. 6 to 8 ft., \$1.50 each; \$15.00 per 10.

**MAPLE—Soft or Silver.**—Valuable for producing quick shade. 5 to 6 ft., 40c each; \$3.50 per 10. 6 to 8 ft., 60c each; \$5.50 per 10.

**MAPLE—Hard or Sugar.**—Slow grower but very hardy, valuable and beautiful. 5 to 6 ft., \$1.00; \$9.00 per 10. 6 to 8 ft., \$1.50 each; \$15.00 per 10.

**NORWAY MAPLE.**—Hard wood, fine foliage, with beautiful spreading top. 5 to 6 ft., \$1.00 each; \$9.00 per 10. 6 to 8 ft., \$1.50 each; \$15.00 per 10.

**SYCAMORE—American.**—Lofly, spreading tree with handsome broad leaves. 5 to 6 ft., 80c each; \$7.50 per 10. 6 to 8 ft., \$1.00 each; \$9.00 per 10.



BOKHARA PEACH



KIEFFER PEAR



MONTMORENCY CHERRY.

### Autumn Varieties.

**MAIDEN'S BLUSH.**—Yellow with beautiful blush cheek. Good quality. Medium large.

**RAMBO.**—Small to medium, striped yellow and red. Quality extra choice.

**RAMSDALE SWEET.**—Large. Rather oblong shape. Dark red. Best fall sweet apple.

**FAMEUSE.**—(Snow Apple.)—Deep dark red, flesh very white, juicy and rich. Splendid sort.

**AUTUMN STRAWBERRY.**—Beautiful striped yellow and red fruit, medium size, fine quality.

### Winter Varieties

**BALDWIN.**—Famous eastern market apple. Large, bright red, crisp, juicy and rich.

**BANANA.**—Large, golden yellow, blush cheek. Fine quality. Popular with western orchardists.

**BEN DAVIS.**—Large, red, striped yellow, good quality, good keeper. Profitable market sort.

**DELICIOUS.**—Large, brilliant red, shading to a golden yellow at blossom end. Extra quality.

**GRIMES GOLDEN.**—Large, golden yellow. Favorite sort because of extra choice quality.

**GENETIN.**—(Rawley's Janet.)—Small to medium in size, red and yellow striped. Very productive, long keeper.

**JONATHAN.**—Most popular of all. Large, deep red. Rich flavor, juicy and sweet.

**NORTHWESTERN GREENING.**—Large, light green. The fruit has been kept for a year.

**TALMAN'S SWEET.**—Medium size. Pale whitish yellow. Good quality. Standard sweet apple.

**WEALTHY.**—Large, red, showy, sub-acid and productive. Most popular of all.

**WINESAP.**—Medium. Deep red. Quality very fine. Rich, crisp flesh, sub-acid flavor. Popular.

**WOLF RIVER.**—Largest of all; grow to weigh 4 lbs. Quality fair. Yellow, striped light red. Productive.

## PEACHES

Each 75c, dozen \$9.00

**CROSBY.**—Medium size, bright orange yellow, streaked carmine. One of the best standard sorts and claimed to be the hardest of all. Ripens in September.

**CHAMPION.**—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with free stones. Ripens in late August.

**ELBERTA.**—The most popular early market sort. Large, bright lemon yellow, with blush cheeks. Ripens in August.

**BOKHARA.**—Originally from Russia. Grown successfully in Iowa. Freestones, medium size, handsome yellow blush cheek; flesh white, juicy, fine flavored. Medium early.

## PLUMS

By express, each \$1.50, dozen \$18.00.

**ABUNDANCE.**—Hardest of Japanese varieties. Large, showy and fine quality.

**BURBANK.**—Considered by some to be the best of all the European sorts. Color clear cherry red with thin lilac bloom. Flesh deep yellow, very sweet and agreeable.

**DESOTO.**—Bright red. Very prolific, of good quality. A standard native variety.

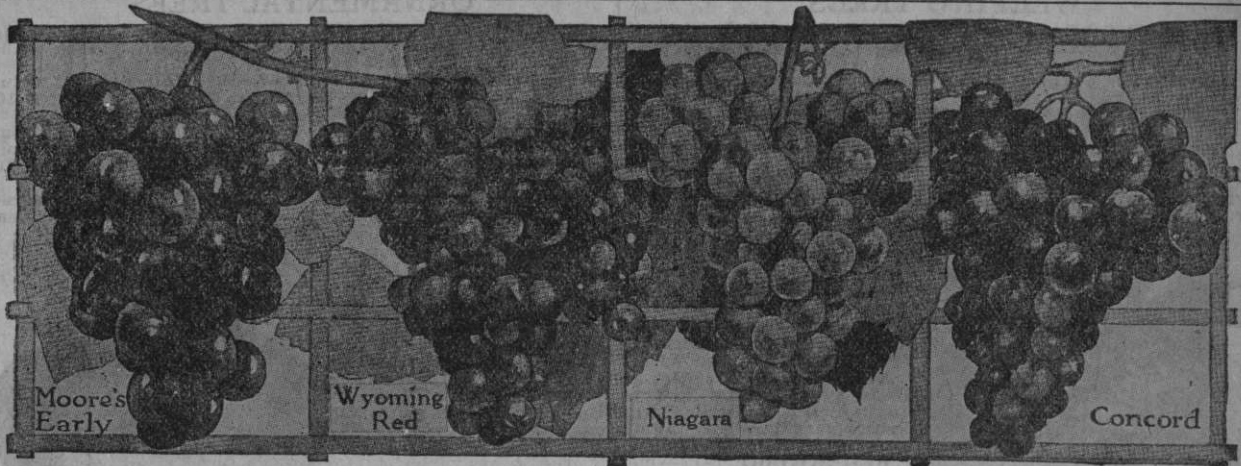
**FOREST GARDEN.**—Large, mottled red and yellow, very very sweet and rich.

**WEAVER.**—Flesh firm, red, juicy, with flavor resembling apricot, freestone, early bearer and very productive, hardy and said to be curculio proof.

**WILD GOOSE.**—Large, rich and melting; delicious. Strong grower and prolific.

Five shade trees of a kind will be sold at the ten rate and six fruit trees any kind at dozen rate. Can furnish stock in any size larger than given above. Write for prices.

BE SURE TO SUBMIT YOUR LIST FOR PRICES IF YOU WANT A QUANTITY OF OUR HIGH GRADE NURSERY STOCK.



## GRAPES

Our grape vines are No. 1 one-year vines which experience has shown to be the best size for transplanting. The most robust vines are marketed by nurserymen generally at one year old; the culls grown another season and sold as two-year-olds. Write for prices in large lots.

**AGAWAM.**—Berries are very large and bright red, with thick skin; very vigorous grower. The fruit is of good quality. Each 35c, dozen \$3.50.

**BRIGHTON.**—Of best quality. Bunch and berry large, of bright red color, and it is quite productive. Each 40c, dozen \$4.00.

**CAMPBELL'S EARLY.**—Strong grower, large, with healthy foliage. Very productive; keeping and shipping qualities unequaled by any early grape. Ripens with Moore's Early. Bunch and berry large, glossy black with blue bloom. Sweet and juicy; clusters usually shoulder. Each 40c, doz. \$4.00.

**CONCORD.**—Well known standard black sort. Succeeds everywhere. Each 25c, dozen \$2.50.

**MOORE'S EARLY.**—Bunch large, berry very large and round, vines are exceedingly hardy. Desirable early market black variety; popular. Each 35c, doz. \$3.50.

**NIAGARA.**—A leading white sort; very productive and hardy. Bunch is white, changing to pale yellow when fully ripe; skin is thin and tough. Quality extra fine. Each 40c, doz. \$4.00.

**WYOMING RED.**—Claimed to be as choice in quality as the Delaware. Fruit is larger and brighter red than that sort. Each 35c, doz. \$3.50, per 100 \$27.50.

**WORDEN.**—A large grape of the Concord type, much earlier, larger and of better quality; hardy and more productive. Each 25c, dozen \$2.50, per 100 \$15.00.

## BLACKBERRIES

**SNYDER.**—Standard sort. No other so prolific or so desirable for shipping. Doz. 75c, 100 \$6.00.

**ANCIENT BRITON.**—Regarded as one of the hardiest and is especially adapted to Iowa, Wisconsin and Minnesota. Dozen 75c, 100 for \$6.00.

**BLOWERS.**—A sturdy grower and quite hardy. The fruits are large, melting and of splendid quality. Dozen \$1.00, 100 for \$6.00.

## EVERGREENS

Our evergreens are all nice shapes and packed to reach you in good condition.

Variety	Size	Each	Doz.
American Arbor Vitae	12 to 18 in.	\$.40	\$4.00
American Arbor Vitae	18 to 24 in.	.60	6.00
American Arbor Vitae	24 to 36 in.	.75	7.50
Scotch Pine	12 to 18 in.	.50	5.00
Scotch Pine	18 to 24 in.	.60	6.00
Scotch Pine	24 to 36 in.	.75	7.50
Norway Spruce	12 to 18 in.	.40	4.00
Norway Spruce	18 to 24 in.	.60	6.00
Norway Spruce	24 to 36 in.	.75	7.50

## CURRENTS

Cannot ship west of Missouri River.

**POMONA.**—Most productive and vigorous. Ripen early but remain on the bush longer than any other; remarkably fine quality. Each 35c, doz. \$3.50.

**FAY'S PROLIFIC.**—One of the most prolific, of excellent quality. Each 35c, doz. \$3.50.

**WHITE GRAPE.**—Standard variety. Fruits are light colored, mild and fine flavor. Each 35c, dozen \$3.50.

## GOOSEBERRIES

Cannot ship west of Missouri River.

**CHAMPION.**—A new variety from Minnesota. Hardy, free from mildew, very productive, large size and recommended as the best. Each 30c, doz. \$3.00.

**JOSSELYN.**—Of superior merit. Is very large, hardy, productive and free from mildew. Each 35c, doz. \$3.50.

**PEARL.**—Most prolific; hardy, entirely free of mildew. Superior size and yield. Each 35c, dozen \$3.50.

**HOUGHTON.**—Pale red, good quality, productive. Each 25c, doz. \$2.50.

## DEWBERRIES

**LUCRETIA.**—The best dewberry for this section. Berries much larger and better quality than blackberries. Doz. \$1.00, 100 for \$6.00.

## RASPBERRIES

Our varieties are all tip grown plants. We do not sell sucker plants, nor varieties which propagate from suckers.

**COLUMBIAN.**—This is a leading purple-red variety. Fruit is rich and sprightly in flavor, and is superior for canning, jam or preserving. Grows very large, strong and vigorous and yields immensely. Dozen \$1.25, 100 for \$8.00.

**ST. REGIS.**—Everbearing red variety. Spring set plants bear the first year, continuing to fruit until late in fall, late crop coming on the tips of new canes. Hardy and the best everbearing red raspberry. Dozen \$1.50, 100 for \$10.00.

**NEW CARDINAL.**—Surprises all by its great growth, extreme hardiness, great productiveness and the unusual richness of its flavor, large purple berries. Dozen \$1.25, 100 for \$8.00.

**KANSAS.**—Ripens about one week earlier than Gregg. Fruit large and firm. Valuable as a home or market variety. Doz. 75c, 100 \$6.

**GREGG.**—Hardy and excellent. Has been leading blackcap sort for many years. Doz. 75c, 100 for \$6.00.

**CUMBERLAND.**—One of the best of blackcap variety. It is of very large size, good quality, firm and handsome and an excellent shipper. Plants vigorous and hardy, productive and free from disease. Dozen 75c, 100 for \$6.00.



## WEeping TREES

**WEIR'S CUT LEAF MAPLE.**—Cut leaved, very hardy and graceful. 5 to 6 ft., 80c each; \$7.00 per 10. 6 to 8 ft., \$1.10 each; \$10.00 per 10.

**WISCONSIN WILLOW.**—An upright grower but with drooping twigs. 5 to 6 ft., 50c each; 6 to 8 ft., 75c each.

**WEeping CUT LEAF BIRCH.**—Perhaps the most elegant of all lawn trees. Delicate foliage, silvery white bark. Tall and slender but a vigorous grower. Every householder should have one or two specimens. 5 to 6 ft., \$1.50 each; 6 to 8 ft., \$2.00 each.

**TEA'S WEeping MULBERRY.**—Very distinct and beautiful. Hardy, 1-year, each \$2.50.

## ORNAMENTAL TREES

**BECHTEL'S FLOWERING CRAB.**—Medium size tree and large, very double, fragrant flowers. 2 to 3 feet, \$1.00 each. 3 to 4 feet, \$1.50 each.

**CHESTNUT—The American Sweet.**—Well known; valuable for nuts and lumber. 5 to 6 ft., 75c each; \$6.50 per 10. 6 to 8 ft., \$1.00 each; \$9.00 per 10.

**SCHWEDLER'S MAPLE.**—Red foliage in spring changing to green in summer and red again in the fall. Beautiful tree for parking. 5 to 6 ft., \$2.00 each; \$20.00 per 10. 6 to 8 ft., \$2.50 each; \$25.00 per 10.

**MOUNTAIN ASH.**—A fine hardy, small tree. Bears red berries. 5 to 6 ft., \$1.00 ea.; \$8.50 per 10. 6 to 8 ft., \$1.25 ea.

## STRAWBERRIES

Quick service and special packing is necessary in handling strawberry plants. For these reasons we ship strawberry plants by themselves. Perfect flowered sorts are marked (s); imperfect marked (p), must have perfect flowered planted with them. Ask for quantity price.

**AROMA (s).**—The best and most profitable late berry. It is very prolific and of most excellent color and quality. Plants strong, vigorous and free from disease. Fruits very large, roundish, conical, glossy and bright. Per 100 \$1.25, postpaid. By exp., per 100, \$1.00, 500 \$5.00.

**BEDERWOOD (s).**—One of the best varieties for planting with Warfield or Crescent. Produces a large amount of pollen. Fruit is of excellent color and a good shipper. Ripens early. Doz. 30c; 100, \$2.00, postpaid. By express per 100, \$1.75; 500 for \$7.50.

**BRANDYWINE (s).**—Large berry, vigorous, strong grower, and a large, heavy plant. Fine for market, large, firm and handsome red color. Blooms perfect, a good fertilizer for other sort. Doz. 30c; 100 for \$2.00, postpaid. By express 100 for \$1.75; 500 for \$7.50.

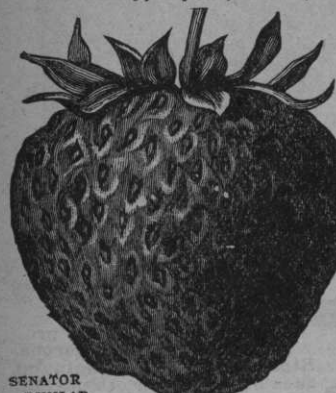
**BUBACH (p).**—Its large, uniform size, fine form and color, unsurpassed yield and great vigor combine to make it a leading sort. Rather late. Per doz. 30c; 100, \$2. By exp., 100, \$1.25; 500, \$7.50.

**CLYDE (s).**—One of the most popular varieties in the West. It is of vigorous growth and very productive. Berries deep scarlet and moderately firm. Decidedly the best early sort. Per doz. 30c; 100, \$1.85, postpaid. By exp., 100, \$1.60; 500, \$8.00.

**CRESCENT (p).**—Standard variety. Produces a large crop where other sorts fail, as it stands neglect. The berry is of medium size and good quality. Per doz. 25c; per 100, \$1.25, postpaid. By express, per 100, \$1.00; 500 for \$5.00.

**SENATOR DUNLAP (s).**—Medium sized sort; is very hardy, productive, a vigorous grower. Bears until quite late. Unsurpassed in quality; claimed best all around variety. Doz. 30c; 100, \$2.00, postpaid. By express, 100 \$1.75; 500 \$7.50.

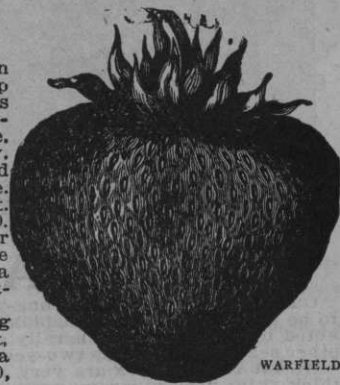
**WARFIELD (p).**—One of the best known market berries, medium size, excellent quality, and a good shipper. One of the best early and maintains its size well throughout the season. Doz. 25c; 100 \$1.25, postpaid. By exp., 100, \$1.00; 500 for \$5.00.



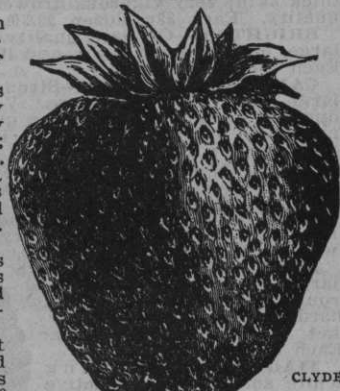
SENATOR  
DUNLAP



BUBACH



WARFIELD



CLYDE

## OUR FAMOUS STRAWBERRY BARGAIN

For several years we have featured this bargain collection with wonderful satisfaction to our customers, thousands of whom have taken advantage of our knowledge of varieties and facilities to supply choice plants. 25c each Aroma, Dunlap, Bederwood, Warfield.

Four varieties, furnishing both male and female blossoms suitable to grow together and give a succession of fruit all season. 100 plants all well rooted, vigorous and young plants that have never fruited. Post-paid \$2.00.



## FALL BEARING STRAWBERRIES

New race of strawberries that produce ripe fruit in October and November, generally until hard frosts. Have a tendency to fruit in June, but if permitted to bear at this time the fall crop is curtailed. Pinch off blooms that set to July 1st and you will have fine fruit for fall. Fruit first year from spring set plants, and if you want strawberries next fall plant the everbearing sorts now and get a crop up to Thanksgiving. When first introduced, fruits were small, production was limited and they were not favorably received. They have been greatly improved and we are now ready to recommend the varieties which we list.

**SUPERB.**—This variety is most widely known and one of the best. Shape is somewhat uneven, like the Bubach as shown above. Berry is large, deep crimson in color, firm and solid, and of excellent quality. Very prolific and a strong grower.

**PROGRESSIVE.**—A cross of Senator Dunlap on the Pan American, which was the first of the fall bearing varieties. It retains the habit of fall fruiting, while the berries resemble in form and color the Dunlap. The plant is very vigorous and productive, and it holds first place among fall bearing sorts as the Dunlap does among the common kinds.

**PRICES:** Either Superb, Progressive, or both: Per dozen, 60c; per 100, \$4.00; 200, \$7.50, postpaid. By express, not prepaid, 300 for \$6.50.

### CERTIFICATE OF NURSERY INSPECTION.

Office of The State Entomologist, State of Iowa, Ames, Iowa, Number 126. This certifies that the nursery premises of Iowa Seed Company, located at Des Moines, Iowa, has been inspected as provided by the laws of Iowa (Section 2575-a51 supplement to the Code 1913 and found apparently free from dangerous insects, pests or plant diseases. Permission is hereby granted to the owners of the above named nursery stock which has been inspected for the year ending September 1st, 1921 provided that a copy of this certificate is attached to each container. Certificate expires September 1st, 1921.—E. D. BALL, State Entomologist.

WE SELL THOUSANDS OF OUR FAMOUS STRAWBERRY BARGAINS EACH YEAR. THEY GIVE SATISFACTION TO PLANTERS.

# LAWN SUPPLIES

Customers to pay cost of transportation on goods in this department. Items which can be mailed are listed with shipping weight and you can add postage, if you want them to come by mail, add postage according to parcel post table on page 13. Ask for Free Book-let "How to Make a Lawn." See page 65 for lawn grass seed and fertilizer.

**PASTIME LAWN MOWER.**—After many years' experience in the lawn mower trade, we have adopted the policy of confining our line to one style and two sizes. The real problem is to get the very best mower possible at a fair price and offer it in sizes most convenient. In our Pastime mowers we have a new style which we are offering as the easiest running mower yet produced. It is ball bearing and has four cutting knives. The wheels are 9 1/4 inches in diameter. Illustration shows general style of the machine. The writer uses one at his own home and recommends it as the best mower we have ever had. Price, 16-inch \$16.00, 18-inch \$18.00.

**GRASS CATCHERS.**—Most successful device for the purpose. Attached to handle only. Does not interfere with action of mower. Illustration shows it adjusted. Can be quickly adjusted at lower end to dump grass. No. 1, for 12 to 16-inch ordinary mowers, each 75c. No. 20, for large mowers, size 16 to 20-inch, each \$1.00. Mailing weight 2 lbs. each.

**LITTLE GIANT MOLE TRAP.**—Not so large as the Reddick but principle is similar. Strong, durable and will do the work. Is easily set. Has a strong spring with great force. Each, by exp., \$1.75. Weight 2 lbs.

**REDDICK MOLE TRAP.**—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Each, by express \$1.75. Weight 2 lbs.

**PASTIME**  
Lawn Mower and  
Grass Catcher

**LITTLE**  
GIANT  
MOLE  
TRAP

## SPRAYERS

Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop. The most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The spraying of apple and plum trees is especially recommended. A circular giving full information mailed free on request. All spray pumps are sent by freight or express, not prepaid, except where noted.

**THE AUTO-SPRAY NO. 1.—Compressed Air Sprayer.**—Our Choice of compressed air pumps of strength and simplicity. Will not get out of repair and is kept absolutely clean without difficulty. Diameter 7 inches; height 2 feet; capacity 3 1/2 gals.; weight empty 7 lbs.; weight loaded 39 lbs.; weight shipping 15 lbs. Illustration shows mechanism. If additional information is wanted, send for circular of the Auto-Spray. Prices: Auto-Spray No. 1B, brass tank with "Auto-Pop," \$12.00. Auto-Spray No. 1D, galv. tank with "Auto-Pop," \$9.00. Two-foot brass extension rod, postpaid, 75c.

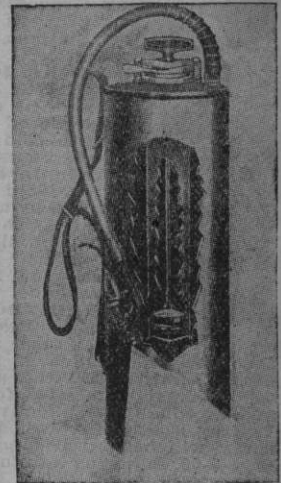
**UTILITY NO. 10.—Compressed Air Sprayer.**—Adapted for spraying, whitewashing and disinfecting. Made of galv. steel, size 7 1/4 x 20 inches, capacity 3 1/2 gals. Has angle nozzle of automatic shut-off type with extension feature, equipped with strainer, with fine, medium and coarse discs. Shipping weight 10 lbs. Price, each \$7.50.

**UTILITY NO. 15.**—Same as above with brass tank, very durable, ea. \$11. **IMPROVED FAULTLESS, or "Misty" Sprayer.**—Shaped like the standard Faultless, but the spray nozzle protrudes through the tank, making it stronger. Mailing weight 2 pounds. By express, brass \$1.00; galvanized iron 75c; tin 50c.

**LOWELL BUCKET PUMP.**—A low priced, serviceable bucket pump, made similar in pattern to the Little Giant; not quite so large. It has only one tube with plunger. Is useful for garden spraying, washing autos or windows, and for light work generally. Well constructed and will last many seasons. The best of the small brass bucket pumps. Each \$6.00. Mailing wt. 5 lbs.

**THE LITTLE GIANT BUCKET SPRAY PUMP.**—Constructed entirely of brass and is provided with a large air chamber and has ball valves, and the pressure is held uniformly so the nozzle throws a continuous spray. Will throw a solid stream 50 to 60 feet; fitted with hose and imperial combination and fine and coarse spray, solid stream nozzle and foot rest. Price by exp. \$8.00. 3-ft. pipe extension, by exp. 75c. Mailing wt. of pump 7 lbs.; of extension pipe 2 lbs.

**LEVER BUCKET OR BARREL SPRAY PUMP.**—Similar to the Little Giant but is larger, has lever handle and can be attached to bucket or barrel. Action of the plunger keeps liquid thoroughly mixed. Made entirely of brass, will not rust. Price by exp. \$12.00 3-in. extension pipe (for use among large trees), by exp. 75c. Mailing wt. of pump 9 lbs.; of pipe 2 lbs.

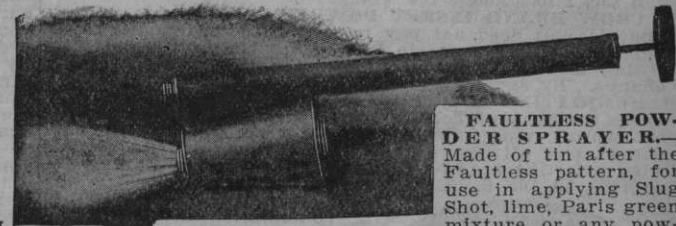


AUTO SPRAYER



FAULTLESS SPRAYER

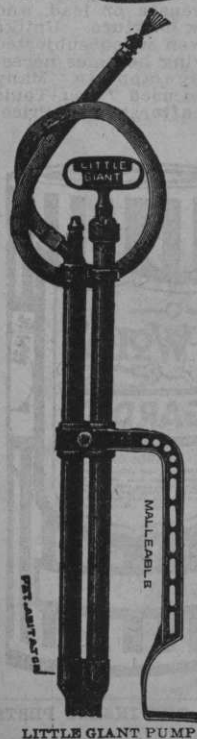
**CONTINUOUS FAULTLESS SPRAYER.**—Is made like the old standard Faultless Sprayer which is the most popular of this type. Made in such a way that the action of the plunger forces a continuous fine mist spray and drawing back plunger does not stop flow as in old style sprayer. Add postage for mailing, wt. 2 lbs. By exp., brass \$1.75, tin, \$1.



**FAULTLESS POW-  
DER SPRAYER.**—Made of tin after the Faultless pattern, for use in applying Slug Shot, lime, Paris green mixture or any pow-

**FAULTLESS POWDER SPRAYER** der form of insecticides. Light and easily handled. Does the work perfectly and it is the most economical method in quantity of powder applied. It is cheap and effective. If to go by mail add postage for mailing. By exp., not prepaid, \$1.00. Mailing weight 4 lbs.

**DUSTERS.**—Buckets with perforated bottom, used for applying Slug Shot or other forms of powdered insecticides. Very convenient and effective for the purpose. Each, by exp., 75c. Mailing weight 1 pound.



LITTLE GIANT PUMP



# SPRAY MATERIALS

## Sherwin-Williams Insecticides,

Poisons are not mailable. All items on this page go at customer's expense.

It is vitally important to conserve and protect fruit and vegetables from insect pests. Spraying is the best method to combat the insects and diseases and present methods of manufacture have given us insecticides in most condensed form, and in formulas ready for instant use for any purpose.

The Sherwin-Williams Co., has developed a large line of insecticides in dry powdered form thus being convenient to handle and to keep until used. There is no danger of freezing or loss through leakage, and the cost of transportation is reduced to the lowest possible cost.



**DRY LIME SULFUR.**—The use and success of Lime-Sulfur solution is known to practically every fruit grower in the country, and every grower is also familiar with the trouble in handling liquid lime-sulfur. There is over 50 per cent water, which means heavy freight charge. It freezes in cold weather and leaks from the barrel in summer and all in all is simply unpleasant to handle. Sherwin-Williams Dry Lime-Sulfur is true lime-sulfur solution in dry powdered form—the first and only one of its kind on the market. It has all the advantages of the liquid material, but eliminates the disadvantage. Its effectiveness has been proven by large fruit growers and practically all Experiment Stations. It is protected by U. S. patent. Price: 1 lb. 40c, 5 lbs. \$1.60, 10 lbs. \$3.00, 25 lbs. \$6.00.



**FUNGI BORDO.**—Dry Powdered Fungi-Bordo is a true Bordeaux mixture in dry powdered form, requiring only to be mixed with cold water to give a standard Bordeaux mixture, spray. The convenience and value of having Bordeaux mixture in dry powdered form will be instantly recognized by all fruit growers. Bordeaux mixture is the standard material for the control of diseases in orchard, vineyard and garden. None of the other mixtures are so good for this purpose. Directions on package. Price: 1 lb. 55c, 5 lbs. \$2.60.

**PESTROY.**—Sherwin-Williams Dry Powdered Pestroy is a combination Bordeaux mixture and arsenate of lead to save the time and trouble of making up and combining Bordeaux solution and the arsenate of lead mixture. It is especially recommended for fruit trees and garden crops, and is equally as effective on potatoes. The formula of Pestroy is such that when used according to directions, a spray will be obtained equivalent to the standard 3-3-50 or 4-5-50 Bordeaux mixture, plus the usual quantities of arsenate of lead. Price: 1 lb. 65c, 5 lbs. \$2.85.

**BLACK LEAF 40.**—There are many types of insects that cannot be controlled with a poison such as Paris green or arsenate of lead. The most common insect of this type is the plant louse or aphid. Many forms of lice attack different fruits and flowers. They are controlled by the use of "contact" insecticides, such as this, which is about 40 per cent Nicotine. Very powerful and one gallon will make from eight hundred to one thousand gallons of spray. Recommended for outdoor uses and for house plants indoors. Price: 1 oz. can, 25c, 1/2 lb. \$1.00.

**NICO-FUME.**—A condensed preparation of tobacco, 40 per cent nicotine. Best spraying and fumigating preparation for greenhouse use, since it does not injure plants or blooms and kills aphids, red spider and mealy bugs. Use one ounce in 10 to 15 gallons of water, and it will be even better if a pound of whale oil soap is added. Price: 4-oz. can 65c, 1 lb. \$2.00, 8 lbs. \$14.50.

**CROW BRAND INSECT POWDER.**—Best grade. Fresh and nice. It does not pay to use cheap, ordinary grades. Splendid for home use to kill cockroaches, ants and flies. Owing to war conditions price on this item is subject to change. By express, 1/4 lb. 50c, lb. \$1.65.

**FUMIGATING AND DUSTING POWDER.**—Formerly sold under the name of Tobacco Dust. Destroys rose bugs, lice, cut worms, vine bugs, tomato worms, cabbage lice and parasites of all descriptions. Apply when foliage is wet. Also a fertilizer and will not burn or injure plants. By express, lb. 10c, 5 lbs. for 35c, 100 lbs. for \$6.00.

**HAMMOND'S SLUG SHOT.**—A combination of potent insecticides and soluble plant food. It destroys all insects injurious to shrubs, trees and plants. Poisonous to insects but not to foliage. 1 lb. 25c, 5 lbs. 75c, 10 lbs. \$1.40, 100 lbs. \$13.00.



**PARIS GREEN.**—Sherwin-Williams Paris Green has by years of use proven its quality. It has become the standard Paris Green in many localities. It is light and fluffy, insuring good suspension in the spray tank and thorough covering of the foliage, contains approximately 56% arsenious oxide and less water soluble than is allowed by the law. It is one of the safest and most effective Paris Greens on the market today. Price: 1/4 lb. 25c; 1 lb. 80c; 5 lbs. \$3.75.

**ARSENATE OF CALCIUM.**—Arsenate of Calcium is by no means a new insecticide but is perhaps not quite as well known to many growers as arsenate of lead and Paris Green. Sherwin Williams Arsenate of Calcium contains the maximum quantity of arsenic oxide, namely, 43 per cent, and when used according to directions will give splendid results. It stays in suspension in the spray tank, insuring even and uniform distribution on the foliage. Price 1/2 lb. 35c; 1 lb. 60c, 5 lbs. \$2.75.

**DRY POWDERED ARSENATE OF LEAD.**—Because of its unusual lightness, stays thoroughly in suspension giving the spray uniform strength. It contains from 30 to 33 per cent arsenic oxide thoroughly in combination with lead and less than 1 per cent water soluble arsenic. This means that it has maximum killing power, speedy action and unquestionable effectiveness in controlling leaf-eating and chewing insects, and, due to its low percentage of water soluble arsenic, there is no danger of burning the foliage. This means that it clings to the foliage for the longest possible time, which means effective control of insects at the lowest cost. Price: 1/2 lb. 40c; 1 lb. 70c, 5 lbs. \$3.00.

**TUBER-TONIC.**—Dry Powdered Tuber Tonic is a combination spray, having the desirable quick killing properties of Paris green, and adhesiveness of arsenate of lead, and fungus preventive qualities of Bordeaux mixture. Unlike Paris green, it remains on the foliage even when subjected to heavy dews or rains, and future spraying becomes necessary only to protect new growth as foliage appears. Many large potato growers in this country have used Tuber-Tonic with splendid results and reorder year after year. Price: 1 lb. 65c, 5 lbs. \$2.85.

### WOLF'S GARDITE

This is a splendid preparation for use at home either on flowers or vegetables. It is a dry powder in a carton with perforated top so that it is easily applied. Useful for house plants and in window gardening. Gardite is not poisonous, it is a thorough effective garden insecticide that doesn't contain one iota of poisonous chemicals or other ingredients harmful to human health. When you use it in your garden you needn't fear danger to your family in eating your home grown vegetables—Gardite harms only worms and insects—and improves the tenderness and nourishing qualities of your garden crops. A light application frequently applied is the best method, but it is harmless to foliage so there is no danger in using too much. Because it is not a poison it can be sent through the mails. Customers in Iowa will add 6 cents to the quoted price per can for postage, or 8 cents for two cans. Friends in other states will add postage as per table on page 13. Price, 35 cents.



IF YOU WANT SUCCESS WITH YOUR FRUITS AND FLOWERS YOU MUST USE A SPRAYER TO DESTROY THE INSECT PESTS.

# Planet Jr TOOLS AND IMPLEMENTS

Two million workers, the world over, testify to the durability, economy, labor and time-saving advantages of an Planet Jr. tools. Wherever you are, whatever you grow, Planet Jrs. are scientific aids to bigger profits. Every tool guaranteed by the manufacturers. We have sold these machines for over forty years.



PLANET JR. NO. 4 SEEDER AND CULTIVATOR

**PLANET JR. NO. 25 COMBINED SEEDER, DOUBLE AND SINGLE WHEEL HOE.**—As a seeder this tool is the same as No. 4 described above but when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 inches high.

Two acres a day can easily be worked, and when it is done, it will be a better job than several men could have done in the same time with hand hoes. The most complete of the interchangeable tools. Price \$24.00.



PLANET JR. NO. 25 HILL AND DRILL SEEDER

**PLANET JR. NO. 31 COMBINED DRILL SEEDER AND SINGLE WHEEL HOE.**—A combined machine at a low price for the private gardener. The index is easily set, it will sow even a packet of seed and flow of seed is stopped by simply raising the handles. Also can be used as a single wheel hoe. Illustration shows the cultivating attachments.

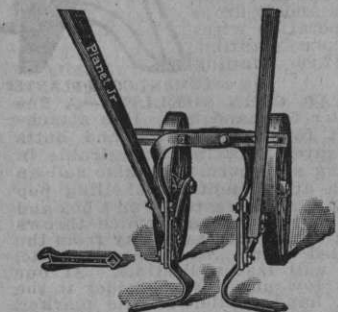
Price \$13.50.

**No. 32-D.**—The drill part only of the above machine. Attachments can be purchased at any time. Price \$11.00.

**No. 33.**—The wheel hoe part of the No. 31 Combined Drill and Single Wheel Hoe. A cheap and durable tool for the small garden. Price \$7.00.

**PLANET JR. NO. 60 DOUBLE WHEEL ONION HOE.**—This is a departure from all previous wheel hoes.

Compact and strong, the arch carrying the hoes is adjustable, eliminating the necessity of tool frames generally found on other types. Can be widened to work any width of row, and by raising or lowering the hoes will be suitable for any size person. The adjustable arch is not found in the other tools. Price \$8.00.



NO. 60 DOUBLE-WHEEL HOE

**PLANET JR. STAR PULVERIZER, LEVELER AND WEEDER.**—This new tool is especially adapted for preparing the seed bed, and will be found of great value in smoothing and fining the soil surface.

The rear blade is 13 1/2 inches wide. After the crops are started, it may be used between the rows as a weeder or as a crust breaker. If used frequently it is easy to operate and will keep the plot clean and mellow. Price \$7.00.



PULVERIZER AND WEEDER

We illustrate the most popular models of these valuable tools and will send catalogue describing many others for garden, farm or orchard, upon request. Send postal for complete Planet Jr. catalogue—today.



PLANET JR. NO. 12 DOUBLE-WHEEL HOE price \$9.50.

**PLANET JR. NO. 16 SINGLE WHEEL HOE.** (Price \$10.50.)

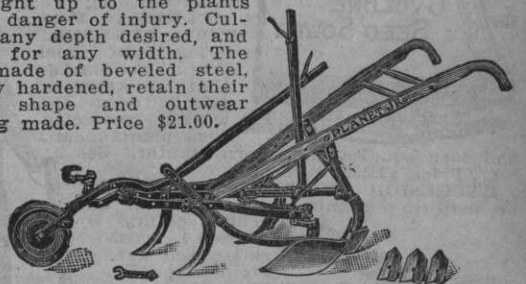


NO. 16 SINGLE-WHEEL HOE

These single wheel hoes are the highest type of their class, and are popular with all gardeners for all kinds of cultivating. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do. Nos. 16 and 17 have the same steel wheels, frames and handles, but the attachments sold with each vary. The handles are adjustable in height. The frame is steel, convenient and strong with a simple device by which to exchange the tools without removing the nuts. All attachments are of a special pattern, carefully tested by practical men; no others ever offered compared with them. All the steel parts are high carbon steel, oil tempered and specially hardened, finely formed, finished and polished and work to a charm.

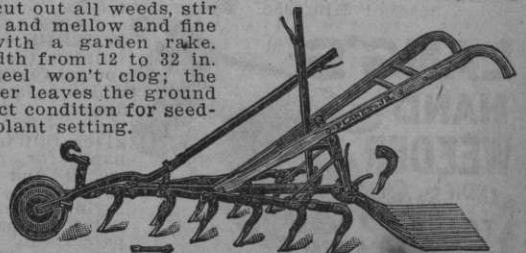
**PLANET JR. NO. 17 SINGLE WHEEL HOE.**—Same as No. 16, but has no rakes or leaf guards. Price \$9.50.

**PLANET JR. NO. 8 COMBINED HORSE HOE AND CULTIVATOR.**—No other cultivating machine is so widely known, for it is in use throughout the civilized world. So strongly built as to withstand incredible strain, yet light and easy to handle. Opens and closes furrows, hoes right up to the plants without danger of injury. Cultivates any depth desired, and adjusts for any width. The teeth, made of beveled steel, specially hardened, retain their cutting shape and outwear anything made. Price \$21.00.



PLANET JR. NO. 8 HORSE HOE

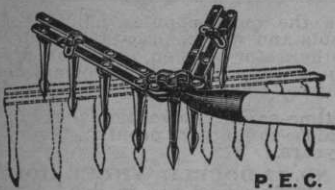
**PLANET JR. NO. 90 TWELVE TOOTH HARROW AND PULVERIZER.** Price \$21.00. **No. 90-B** (less pulverizer) \$17.00. The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 in. The wheel won't clog; the pulverizer leaves the ground in perfect condition for seeding or plant setting.



PLANET JR. TWELVE-TOOTH HARROW

YOU WORK AT COSTLY DISADVANTAGE IN THE GARDEN IF YOU DO NOT HAVE GOOD TOOLS TO PLANT AND CULTIVATE.





P. E. C.

**PULL EASY GARDEN TOOLS**

A line of adjustable hand tools very effective and low in price.

**CULTIVATOR HOE NO. PE5.**—Adjustable 6 in. to 12 in. wide. Five prongs each nine inches long. Sturdy 4 ft. handle. The long grasping teeth cultivate deeply and thoroughly. Instantly adjustable by loosening two broad winged thumb nuts, tightening the nuts. Tooth points concaved for scouring. Middle tooth removable. Price each \$1.25. Mailing weight.

**CULTIVATOR RAKE NO. PEC.**—Adjustable 6 in. to 18 in. wide, nine teeth. All steel parts enameled royal blue. French polished handle 4½ ft. long. Middle tooth removable for cultivating rows of small plants on both sides at the same time. Better than a rake for preparing the soil or for cultivating. Price each \$1.50. Cannot mail.

**PULL EASY DANDELION RAKE.**—Wedge-shaped teeth, gather in leaves and stems of dandelions, stripping them from lawn. Backward stroke cleans rake instantly. Wonderfully popular. Will rid a lawn of leaves and dead grass, 16-gauge, high-carbon steel—18 inches wide, unbreakable teeth. Price 90c. Cannot mail.

**DIBBER.**—Steel pointed for transplanting vegetable plants. Each, by parcel post, 42c; by express, 35c.

**EUREKA SEED DRILL.**—A small hand drill for vegetable seeds in beds. Gardeners will like it for sowing seeds in hot-beds. By express, \$1.25. Weight 3 lbs.

**DANDELION DIGGERS.**—Straight, chisel-like bladed tool with notched cutting knife. Each 20c.

**FLORIST TROWELS.**—Extra heavy and durable. Best made. By parcel post, each 50c; by express, each 40c.



THE SOWER THAT SCATTERS EVENLY

**CYCLONE SEED SOWER.**—Farmers should have a small hand seed sower for emergency use. This is an improved style, strong, well made and durable. It is very easy to understand and easy to operate. Directions with each machine. By express \$2.50. Mailing weight 4 lbs.

**EUREKA POTATO PLANTER.**

—The best hand potato planter that we know of as it does the work perfectly. Also plants beans

and corn equal to any corn planter. See out. Price \$2.25.

**EXCELSIOR WEEDING HOOK.**—Can be used to advantage among small and tender plants. By parcel post each 20c, doz. \$2; by exp. 15c, doz. \$1.75.

**BLUE GRASS STRIPPERS.**—For gathering seeds. Ea. by exp. \$2.50. Mailing wt. 4 lbs.

**GARDEN TROWELS.**—By parcel post 5-in. 20c; 6-in. 25c. By express 5-in. 15c, 6-in. 20c

**LANG'S HAND WEEDER**

HANDIEST TOOL ON EARTH.

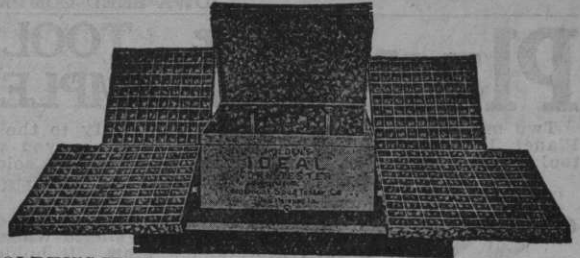


EUREKA POTATO PLANTER

**LANG'S HAND WEEDER.**—Is in our opinion the best; its special feature a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 30c each, postpaid. By express, per dozen \$2.50.



P. E. 5



**HOLDEN'S IDEAL CORN TESTER.—NO. 1.**—Made of galvanized iron as per pattern shown in the illustration. It is for testing ears of seed corn before shelling for seed. Capacity of this size 400 ears (one to each compartment) and each compartment is removable at will. It is quite simple in operation and full directions for use will be sent with each tester. By express or freight, not prepaid, \$13.00.

**HOLDEN'S IDEAL CORN TESTER.—NO. 2.**—A cabinet tester with capacity for 400 tests at one time. By express or freight, each \$22.00.

**No. 4.**—A single box tester of galvanized iron; capacity 200 tests. By express or freight, each \$7.00.

**COLUMBIA GARDEN DRILL**

The Columbia Garden Drill we consider one of the most perfect machines in the market for planting all kinds of seeds. It is not only adaptable to all kinds of vegetable seeds, but can also be used for planting seed grain or forage crops. It is popular with gardeners and around Des Moines is given preference. It is not a cultivator, but is a first-class seeder.

**No. 10.**—Like illustration. Strong, durable, simple and performs the work splendidly. Price each \$25.00.

**No. 11.**—Is exactly like No. 10, but has fertilizer attachments. One who has not used fertilizer in the drill when planting cannot realize the tremendous advantage gained in earliness and strong growth.

**SEGMENT HAND CORN PLANTER.**—Operated with one hand. An immense amount of ground can be planted in one day. Drops as fast as you can walk, and you make it drop where you want it. Open drop by simply bending the planter forward thus pressing the spring which controls the hopper opening and permits the corn to fall through. You can also plant beans or peas and it drops pumpkin seed by a simple operation without interfering with the corn planting. Price, each, by express, \$2.00. Mailing weight 4 lbs.

**SEGMENT CORN PLANTER**

**STAR CORN SHELLER.**—A fine sheller for hand use. Has attachment for shelling tips and butts separately, making it desirable in saving seed corn. We also sell an extra attachment for shelling pop corn. Can be fastened on a box and has reversible chute which throws cobs out at the rear away from the shelled corn. Strong, well made, and will last a lifetime. At our very low price, we consider it the best hand sheller on the market. Each, by express \$2.50, wt. 12 lbs.

**PLANTER PATENT SEED CORN**

**GRADER.**—Single Sieve.—A sieve grader 12x18 in. in size with screen of heavy galvanized iron and mesh especially suited to grading seed corn before planting. A cheap, quick and effective method of eliminating tip and butt grains and preparing seed for edge dropping. Each by express, \$1.00. Mailing weight 3 lbs.

**Double Sieve.**—Like above, with two sieves attached. Each, by express, \$1.25. Mailing weight 5 lbs.

**SEED CORN GRADER**



# POULTRY SUPPLIES



**PLYMOUTH ROCK CHICK FOOD.**—This food has been prepared with the idea of supplying a perfectly balanced ration for young chicks. It has been demonstrated that young chicks do much better on our especially prepared feed than on any moist or soft food that can be obtained. The food is composed of various kinds of grains, bone and other nutritive foods, making it the most complete and cleanest

chick food on the market. Per 25-lb. bag \$1.00. See red ink price list.

**PLYMOUTH ROCK HEN FOOD.**—In the preparation of this food we have had in mind the production of the best food that could be made for laying hens and the keeping of all fowls healthy. Price, 25 lbs. \$1.00.

**PLYMOUTH ROCK EGG MASH.**—Contains bran, shorts, alfalfa meal, meat scraps, kaffir meal and other ground grain of best quality. Made after a formula from Ames College for laying hens. 25 lbs. \$1.25; 100 lbs. \$4.00. See red ink price list.

**GROUND MEAT SCRAPS.**—Fresh beef thoroughly cooked and dried; excellent food for young chicks or laying hens. 10 lbs. 90c, 25 lbs. \$2.00.

**CRUSHED RAW BONE.**—Really better than clam shell, but will pay to use both. Best quality, made from fresh bones. 10 lbs. 75c, 25 lbs. \$1.50. See red ink list.

**RAW BONE MEAL.**—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs. 75c, 25 lbs. \$1.50. Ask for price.

**ALFALFA CLOVER MEAL.**—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash food. Valuable as a winter food. Price, 25 lbs. 90c. See red ink list.

**PEARL GRIT.**—No better grit can be found for poultry. Sharp and wears sharp. Per 25 lbs. 50c, 100 lbs. \$1.50.

**PEARL CHICK GRIT.**—A small grit which is a necessity when raising young chickens. Per 25 lbs. 50c, 100 lbs. \$1.50. See red ink price list.

**CRUSHED OYSTER SHELL.**—A most important article for the poultry yard and should be supplied liberally. Superior quality. Hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. 10 lbs. 35c, 25 lbs. 75c, 100 lbs. \$2.00. Ask for prices.

**CONKEY'S BUTTER MILK STARTING FOOD.**—A prepared ground feed for baby chicks and young growing fowls. 2½ lb. pkg. 35c, 5 lbs. 55c, 10 lbs. \$1.00, 25 lbs. \$2.50. Ask for quantity price.

**CHARCOAL.**—Granulated to right size. The large poultry size is also suitable for hogs. Two sizes, 5 lbs. 30c, 10 lbs. 50c, 25 lbs. \$1.25, 50 lb. bag \$2.25, 5 bags at \$2.00 per bag.

**CONKEY'S ROUP CURE.**—An excellent remedy that has been thoroughly tried and has given excellent satisfaction. Trial size 30c, regular size 60c, large size \$1.20, postpaid.

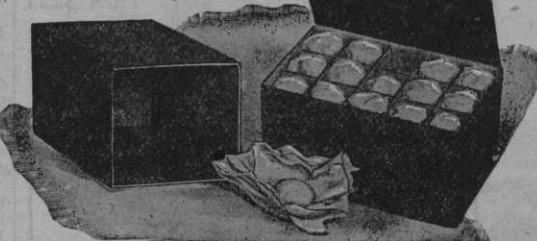
**CONKEY'S CHOLERA CURE.**—We consider this the most dependable cholera cure known. Used for cholera, indigestion, bowel trouble, diarrhoea and kindred diseases. Trial size 30c, regular size 60c, postpaid.

**CONKEY'S POULTRY TONIC.**—A splendid item for laying hens, and beneficial to all poultry. By exp., 24 oz. pkg. 30c, 3¼ lb. pkg. 60c, 12 lb. pail, \$1.60.

**CONKEY'S LICE POWDER.**—One of the most perfect lice killers. Also good for fleas on dogs and other animals. By express, 1 lb. pkg. 30c, 3 lb. pkg. 60c, 12 lb. pail \$1.60.

**CONKEY'S LICE LIQUID.**—For painting roosts, nest boxes, coops and houses. Kills lice and mites. By express, qt. 60c, ½ gal. 90c, gal. \$1.50.

**CONKEY'S NOXIDE.**—A liquid disinfectant and deodorizer for use in spraying poultry houses. Destroys the germs and can be used in diluted form as a dip. By express, pint 50c; qt. 75c; 2-qt. \$1.25; gallon \$2.00.



**ANDERSON EGG CASES.**—Like picture but shipped in flat, saving freight or express charges. We recommend them. Price, 15-egg size \$2.25 per doz., 30-egg \$3.50 per doz., 50-egg \$7.00 per doz. Mailing weight, 15-egg size, 1 lb.; 30-egg size, 2 lbs.; 50-egg 3 lbs. each.

**LIVE CHICK BOX.**—Made from corrugated paper with ventilating holes in top and sides; for shipping small, live chicks. 25-chick size \$2.25 per doz., 50-chick size \$3.00 per doz., 100-chick size \$4.50 per doz. Mailing weight, 25 size, 2 lbs.; 50 size, 4 lbs.; 100 size, 6 lbs.

**CLIMAX BASKETS.**—Are desirable for shipping eggs for setting; will hold two settings of Leghorns, etc., or one of Asiatic. Price per 10, \$1.00; 50 for \$4.00, 100 for \$7.00. Weight 1 lb. each.

**GLASS NEST EGGS.**—By mail in regular Ship-safe egg case, which may be used to ship eggs for hatching, 12 for 95c; 50 for \$2.25, postpaid.

**WOLF'S GERMITE.**—In liquid or tablet form. For use in the drinking water of fowls to cure roup and other ailments of poultry. Liquid, per bottle, 75c; tablets per box 75c.

**WOLF'S VERMITE.**—A powder lice killer for destroying vermin on fowls. One lb. pkg. 35c.

**CONKEY'S FLY KNOCKER.**—A liquid that kills all flies and insects it strikes, and drives others away. Stock when sprayed with Fly Knocker will not be troubled with insects while feeding. By express qt. 75c, ½ gal. \$1.25, gal. \$2.00.

Prices are subject to important market changes. Transportation to be paid by purchaser except where marked postpaid. In sending postage for items which you want to come by parcel post, be sure to add 1 pound to stated weight of package goods.

**METAL PARCEL POST EGG CRATE.**—Made of aluminum, light and durable.

Can be used many times. 16 to 24 cents pays postage both ways on two to six dozen eggs. Add 7c for postage on each crate.

Size Each  
Two dozen .... \$1.00  
Three dozen .. 1.25  
Four dozen ... 1.50  
Six dozen .... 1.75

A complete set of supplies furnished with each crate. Set consists of flippers, slip papers, 100 wrappers for eggs and two address cards. Price per set for six dozen size 60c, other sizes 50c. State size of crate in ordering supplies.

**WIRE HEN'S NESTS.**—These nests are strongly made from heavy wire and will last a lifetime. There is no room on them for lice to find a lodging place, and they are easily kept clean. Each 20c, ½ doz. \$1.00, doz. \$1.75, not prepaid.

**LEE'S GERMOZONE.**—A liquid to be given in the drinking water of fowls. It will cure cholera, roup and nearly all poultry diseases. By exp. 75c. Mailing wt. 2 lbs.

**GERMOZONE TABLETS.**—Lee's Germozone in the form of small tablets to be dissolved in drinking water of the fowls. Per box of 75 tablets, making 1 tablet to a quart of water, postpaid, 75c.

**LEE'S LICE KILLER.**—A liquid that will eradicate lice, mites and chiggers, by applying to roost and nest boxes. It is now considered the standard liquid lice killer. By exp., qt. 50c, ½ gal. 75c, gal. \$1.25. Can't mail.

**LEE'S EGG MAKER.**—Sold under a manufacturer's guarantee to make hens lay. Foundation is granulated blood, deodorized. By exp., 2½ lb. pkg. 35c, 5 lbs. 75c. Add postage if by parcel post.

**LEE'S LOUSE POWDER.**—Use on fowls, in nests, and among the litter. Has sprinkler top to the can. By express, 20 oz. pkg. 25c, 3 lb. pkg. 50c.

**KEY RING LEG BANDS.**—Made of celluloid in six sizes and ten colors. Spread easily to put on leg of fowl. Have no sharp edges and are easy on the fowl's legs. Sizes: Asiatic, American, Mediterranean, Bantam, Pigeon and Baby Chick. Specify number of each color wanted. Prices, 3 largest sizes, per doz. 15c, 100 \$1.00, postpaid; 3 small sizes, dozen 10c, 100 75c, postpaid.

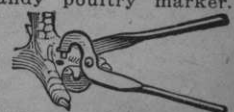
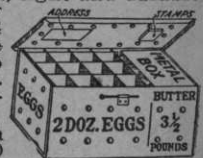
**LEADER LEG BAND—No. 2.**—An adjustable band which can be used for any sized fowl from a bantam to a turkey. Made of aluminum, light and smooth. Doz. 20c, 100 \$1.00, postpaid. 500, not prepaid, \$4.00.

**LEADER LEG BAND—No. 1.**—For bantams and smaller breeds. Doz. 20c, 100 75c, postpaid; 500, not prepaid, \$3.00.

**PHILADELPHIA POULTRY MARKER.**—A convenient little spring punch for marking chickens. Marks small hole in web of the foot. 40c each, postpaid.

**PILLING LANSLOWNE POULTRY MARKER.**—A handy poultry marker. Look at the illustration and see how easy it is to use. Large or small size sent postpaid for 40c.

**ANTISEPTIC NEST EGGS.**—Keeps vermin from nests and causes them to leave fowls. By express, per doz. 60c.



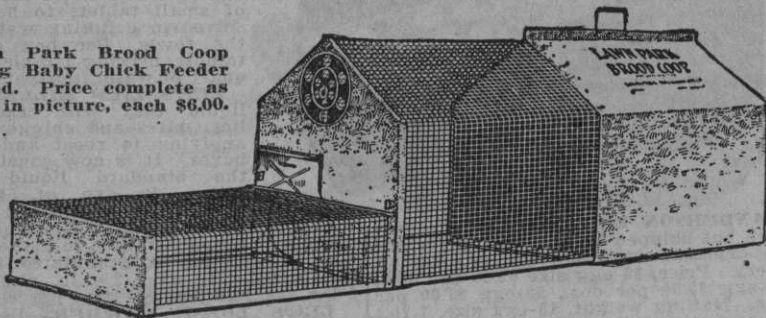




**BANNER POULTRY FENCE.**—Made of heavy No. 17 galvanized wire with small square mesh at bottom, ranging larger at top. Strong and durable. Small chicks cannot get through and it will turn dogs and small animals. Put up in rolls of ten rods length.

Width	Cut Rolls Per 10 Ft.	Full Roll	Five Rolls
18-inch	.35	\$4.05	\$20.00
24-inch	.40	5.00	24.00
36-inch	.50	6.25	28.00
48-inch	.60	7.50	34.00
60-inch	.70	8.75	42.00
72-inch	.80	10.00	45.00

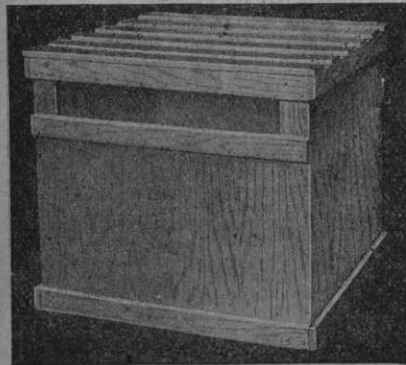
**Lawn Park Brood Coop** showing Baby Chick Feeder attached. Price complete as shown in picture, each \$6.00.



**LAWN PARK BROOD COOP.**—An all metal coop as shown in illustration. Size of coop 18 in. wide, 24 in. long, 19½ in. high, while the wire park is practically the same size. The pen telescopes into the coop portion if desired and has a handle by which it is moved. Each \$5.00, dozen \$55.00.

**IOWA SHIPPING COOPS.**—All wood. Sides and end pieces nailed together with cleats so that coops are readily made in using form. As shown by cut coops are ventilated front and back and top is covered with slats, giving thorough ventilation. Cleats around upper and lower end make it easy to handle.

Dimensions	Weight	1/2 doz.	1 doz.
No. 1—18x12x18 in.	6 lbs.	\$2.00	\$ 7.20
No. 3—18x20x18 in.	10 lbs.	2.75	10.50
No. 5—30x20x18 in.	14 lbs.	3.75	14.25



IOWA SHIPPING COOP.

## POULTRY NETTING

We can supply both the hexagon mesh of the pattern shown in the illustration and also the square mesh at same price. The best make; thoroughly galvanized before weaving, to prevent rusting, and properly twisted. Prices are subject to important market changes: Made of No. 19 wire and 2-inch mesh; put up in rolls 150 feet in length.

Width Inches	Per Roll	Width Inches	Per Roll
12	\$ 2.00	36	\$ 5.00
18	3.00	48	7.00
24	4.00	60	8.50
30	4.50	72	10.00

One-inch mesh, No. 20 wire, for young chicks and Belgian hares.

12 ..... \$ 4.00 30 ..... \$ 9.00  
18 ..... 6.00 36 ..... 10.00  
24 ..... 7.50

Will allow 5 per cent discount on lots of 5 rolls or more. Cut rolls, any width, 2-inch mesh, 2c per sq. ft; 1-inch mesh, any width, 4c per sq. ft.

**GALVANIZED STAPLES.**—For fastening wire poultry netting, 15c per lb.

**BURLINGTON BROOD COOP.**—Round metal coop, made of galvanized iron, with sliding door which can be fastened open at desired size. Adjustable top for ventilation. Rat, mink, weasel, mite and rain proof. Owing to present high values of galvanized iron, price is higher than in former seasons. Size 22 in. diameter, 29 in. high. Each \$3.35, 6 for \$17.00, dozen \$33.00.

**LAWN PARK BABY CHICK FEEDER.**—A wire pen attachment for the Lawn Park Brood Coop as shown in illustration above. Can also be used alone. Little chicks can feed without interference from older fowls. Size 18 x24 inches. Price, feeder only each \$2.00; doz. \$22.00. See details above.

## SANITARY DETACHABLE FOUNTAIN.

—Made of stoneware; the chicks can drink all around. Is easily cleaned. Can ship by freight or express only. One quart 75c; doz. \$7.00; 2-qt. 85c; dozen \$8.00; gal. 90c; dozen \$9.00; 2-gallon \$1.50, doz. \$15.00.

## HEN FRIEND DRINKING FOUNTAIN.

—Galvanized iron. Is easily handled. Exp., 2-qt. size each 60c; 5-qt. each 90c; 10-qt. each \$1.10. Mailing weights: 2-qt., 1 lb.; 5-qt. 2 lbs., 10-qt., 3 lbs.



BUFF PLYMOUTH ROCK

## EGGS FOR HATCHING

If 15 chicken eggs are wanted for a setting, add 40c to price quoted. Order now and state time of delivery wanted.

We are prepared this season to supply eggs for hatching from choice thoroughbred stock of leading varieties. They are superior egg-laying strains.

**BARRED PLYMOUTH ROCKS.**—The farmer's favorite. From large, well-marked stock. Setting of 13 eggs \$2.00.

**WHITE PLYMOUTH ROCKS.**—Great egg producers and very early to mature. Our stock is pure white. Price per setting of 13 eggs \$2.00.

**BUFF PLYMOUTH ROCKS.**—Becoming very popular as a general purpose fowl. Per setting of 13 eggs \$2.25.

**WHITE WYANDOTTES.**—Rapidly becoming favorites. They are great layers, mature early and are pure white. Price per setting of 13 eggs \$2.25.

**SILVER-LACED WYANDOTTES.**—Most popular of Wyandotte class. Per setting of 13 eggs \$2.25.

**BLACK LANGSHANS.**—Very satisfactory for general purposes. Per setting of 13 eggs \$2.25.

**BROWN LEGHORNS.**—The greatest of all layers. Our stock is from one of the best laying strains in the country. Price per setting of 13 eggs \$2.00.

**SINGLE COMB WHITE LEGHORNS.**—Beautiful and profitable variety. Per setting of 13 eggs \$2.00.

**LIGHT BRAHMAS.**—High scoring stock. Per setting of 13 eggs \$2.50.

**RHODE ISLAND REDS.**—Single or Rose Comb as preferred. Per setting of 13 eggs \$2.25.

**BUFF ORPINGTONS.**—Large, handsome fowls. Per setting of 13 eggs \$2.50.

**WHITE ORPINGTONS.**—Most popular breed among fanciers. Our stock is a fancy strain. Setting of 13 eggs \$2.50.

**Bronze Turkeys.**—Usually scarce, but we hope to have a good supply this season. Setting of nine eggs \$5.00.

**MAMMOTH WHITE PEKIN DUCKS.**—Per setting of 12 eggs \$2.50.

**EGGS FOR INCUBATORS.**—Write us for prices, stating the number of eggs you will want and breed.

**BREEDING STOCK.**—A few choice cockerels and pullets at reasonable prices. Write for what you want.

**BELGIAN HARES.**—For many years this breed was considered the best market breed of rabbits. The fur is also valuable. Price per pair \$5.00.

**WHITE ENGLISH RABBITS.**—Fine for pets for children, also good for food. Price per pair \$3.50.

**NEW ZEALAND REDS.**—Considered by many to be the best utility and fancy rabbits. Matures quickly and meat is of superior quality. Price per pair \$5.00.

**GUINEA PIGS.**—Have a fine stock of assorted colors at most seasons of the year. Price per pair \$3.00.

## DWARF NASTURTIUMS

These may well be classed among our most showy and handsome annuals. They are of very easy culture, and make a continuous show of bloom. They are the most popular garden flowers and are planted by everyone.

**AURORA.**—A magnificent variety. Plant forms a perfect globe literally covered with flowers, hiding the foliage when in full bloom. Deep chrome yellow, lower petals blotched with purplish carmine; finely marked with bright carmine veins. Pkt. 10c. oz. 20c.

**BEAUTY.**—An extra fine new dwarf variety. Handsome scarlet flowers splashed with canary yellow. One of the most attractive. Pkt. 10c. oz. 30c.

**CHAMELEON.**—The flowers of this new Tom Thumb nasturtium are colored crimson, gold and bronze, bordered and flamed, changing hue almost daily, hence named "Chameleon." Pkt. 10c. oz. 30c.

**EMPRESS OF INDIA.**—Dwarf, bushy habit, the leaves a dark, purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers. Its profusion of bloom and richness of color are remarkable. Pkt. 10c. oz. 30c.

**GENERAL JACQUEMINOT.**—Named for the popular rose because of similarity in color. The blooms are very large, bright crimson scarlet and very attractive. A very free blooming variety. Pkt. 10c. oz. 30c.

**KING THEODORE.**—The "black" nasturtium. Color is deep velvet crimson and in contrast with lighter shades it commands special attention. One of the best because of color. Pkt. 10c. oz. 30c.

**RUBY.**—A singularly bright and brilliant blossom of glowing carmine which is always appreciated and always necessary where mixed colors are desired. Profuse bloomer. Pkt. 10c. oz. 30c.

**VESUVIUS.**—A beautiful flower of bright salmon pink, veined with deep orange. The color combination is pleasing and it adds an attractive shade in a varied bed. The lightest shade in our list of dwarf sorts but so lovely and delicate that it meets all need for light colored flowers. Pkt. 10c. oz. 30c.



IMPERIAL MIXED

## Brilliancy Nasturtium Collection.

### 12 VARIETIES—SHOWN IN COLORS ON BACK OF THIS PAGE

The finest collection we have ever offered. Selected with greatest care to give pleasure to our customers who can feel assured of satisfaction. You will have wonderful results from small expense and least labor. Following are the varieties in the collection: *Aurora* (Dwarf), *Beauty* (Dwarf), *Chameleon* (Dwarf), *Empress of India* (Dwarf), *General Jacqueminot* (Dwarf), *King Theodore* (Dwarf), *Ruby* (Dwarf), *Vesuvius* (Dwarf), *Sunlight* (Climbing), *Midnight* (Climbing), *Moonlight* (Climbing), *Twilight* (Climbing).

12 varieties 1 pkt. each, \$1.00; 12 varieties 1 oz. each, \$3.00, postpaid.

**IMPERIAL MIXED.**—Includes about twenty best dwarf varieties, both American and foreign. They are so selected that the colors harmonize beautifully and delight flower growers. Of neat, compact habit of growth, blooms freely when planted in beds, producing a mass of colors. Pkt. 10c. oz. 30c. ¼ lb. 80c.

**DWARF VARIETIES MIXED.**—A nice mixture of colors of this free blooming class. We grow large quantities and can make a low price. Pkt. 5c. oz. 20c. ¼ lb. 65c.

## CLIMBING NASTURTIUMS

**SPITFIRE.**—An extremely bright, new variety of brilliant cardinal red color. The most popular shade and one desired in every collection. Not listed in our Brilliancy Collection but should be added to your order to secure a bright color for your climbing nasturtium beds or trellis. Pkt. 10c. oz. 30c.

**CAPRICE.**—A charming novelty, flowers changeable colors, a single plant often showing a dozen different colors or markings. Pkt. 10c. oz. 35c.

**MADAM GUNTER'S HYBRIDS.**—Climbers and free, continuous bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to deepest brown and maroon—nearly black—all striped, shaded and blotched in an indescribable manner. Pkt. 10c. oz. 30c. ¼ lb. 75c.

**TALL VARIETIES MIXED.**—A good mixture of colors and types of the climbing class. Our prices are very low this year as the crop is very short everywhere. Pkt. 5c. oz. 20c. ¼ lb. 65c.



MADAM GUNTER'S HYBRIDS



CAPRICE

**MIDNIGHT.**—The darkest color in our list of climbing varieties. Produces a velvety flower of dark brownish red, in great numbers and is required in mixed planting. Pkt. 10c. oz. 30c.

**MOONLIGHT.**—This is a pale straw or lemon yellow flower, useful as ground work for mixed bouquets. Will be popular because of its soft shade and profusion of bloom. Pkt. 10c. oz. 30c.

**SUNLIGHT.**—Attracts instant attention. The flowers measure 3¼ to 3½ inches in diameter, the petals 1½ inches across. Blossoms have a most beautiful crinkled, crepe-like look; color is a splendid, rich, brilliant yellow. Pkt. 10c. oz. 30c.

**TWILIGHT.**—A lovely delicate flower of salmon rose or pink. It is perhaps the most dainty of the nasturtiums and will please every planter with its beauty. Helps greatly to complete the range of colors in our special collection. Pkt. 10c. oz. 30c.

OUR STOCKS OF NASTURTIUM SEED ARE GROWN WITH GREATEST CARE, AND ARE THE BEST YOU CAN PROCURE.



# GOLDFISH

BEAUTIFUL; EASY TO KEEP; WE TELL YOU HOW.

Did you ever own a globe of Goldfish? You admire them, no doubt, for their pretty form, exquisite coloring and graceful movements, but if you have never kept fish, you cannot realize how your interest grows as you become more familiar with them. They are not hard to keep; just follow our plain printed directions sent free with each Goldfish order and you can hardly fail to succeed. Goldfish are kept quite generally in city and town and there seems no reason why our customers in the country should not share just as fully in the pleasure a nice aquarium affords. Be the first in your locality to get an outfit: you will find all the neighbors interested and their admiration will add to your enjoyment of the fish. We ship Goldfish any time of the year, but buy early in the season while it is still cool weather because this is favorable for the fish. All items in this department are shipped at customer's expense for transportation unless otherwise stated. Ask for free Aquaria Price List.



GLASS FISH GLOBE

**GOLD FISH.**—While there are many varieties of gold fish as named and described in this list, we refer only to the plain variety by this name. These are more popular than the fancy sorts, being low priced and generally satisfactory. They are a species of carp, originally inhabiting ponds and sluggish streams in China, and they are better adapted to life in fish globes than any other breed of fish. They are universal favorites, of golden red color. Those bred in this state seem to have a peculiar brilliancy of coloring which is especially noticeable when in the fish globes. Prices, 15c, 25c, 35c, 50c and \$1.00 each, according to size. The 25c size (5 for \$1.00) is the most popular. The largest size is only suitable for ponds or fountains.

**SILVER FISH.**—This is simply an uncolored gold fish of dark silvery color. Nice for variety. Medium size 15c each; 4 for 50c.

**PEARL FISH.**—These elegant fish are either of a clear pearly white color or white is variegated with gold markings. Medium size 25c.

**AMERICAN FANTAIL FISH.**—Are bred from the imported Japanese fish. Very handsome. Price, according to size, shape and color, 50c, 75c and \$1.00 each.

**ORIOLE FISH.**—Are beautifully variegated golden red and clear black. Medium size 30c each.

**AQUARIUM CASTLES.**—Very pretty castle like cut in upper right corner. No. 12, 3 in. high, ea. 25c; parcel post 1 lb. No. 14, 6 in. high, ea. 60c; parcel post 3 lbs. No. 15, 8 in. high, ea. 90c; parcel post 3 lbs.

**PREPARED FISH FOOD.**—Good for all kinds of gold fish. This we import from Europe, where they make the best quality and of the purest materials. Price, 15c per box, postpaid.

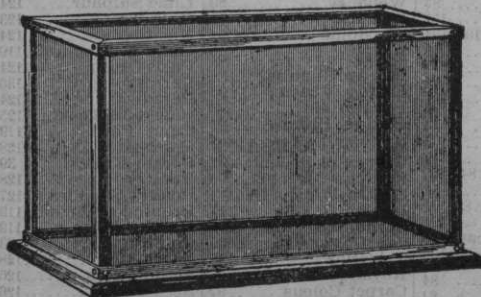
**WHITE SAND.**—Absolutely clean. Is very beautiful for aquariums. Price per pkg. (about 2 lbs.) 15c.

**DIP NETS.**—For handling fish without danger of injuring them. Medium size, 50c, postpaid.

**AQUARIA CEMENT.**—Invincible waterproof cement, to set glass in aquariums. Lb. 40c, postpaid.

## HOME COLLECTION

Consists of one 4-quart Globe, three pretty Fish, Shells, and Food. Weight packed about 13 pounds. Price \$1.50.



**STANDARD AQUARIUM.**—Very strong iron frame, thick slate bottom. Our best line. No. 1, size 18x10x11, holds 5 gal. .... \$10.00  
No. 3, size 22x14x13, holds 12 gal. .... 14.00  
Dimensions are outside measure. Larger sizes quoted on request.



THE PARLOR AQUARIUM.

This is such a pretty and unusual design that it is very popular and a great seller. Its entire height is about 10 1/2 inches. Bowl is 5 inches deep and 12 inches in diameter. The wide open top allows freest access of air for the fish and gives best opportunity for arranging plants or ornaments, all of which are visible to best advantage. This is a fine ornamental decoration for your home and you will be delighted with it. Globe with nice metal stand \$5.00, or with plants and four fish to stock it, all for \$6.50.

## PLANTS FOR AQUARIUMS

**CABOMBA, or Aquaria Moss.**—The prettiest plant for growing in aquariums, and the most valuable. The foliage is of beautiful light green, and the leaves spread out like a fan, which gives it the name of Fanwort. Leaves beautifully and regularly cut and resemble a delicate lace fern. It grows all the year round, but it looks best during the fall and winter months. May be broken any length and roots readily. Should be weighed down in the water so the base of stems are in the sand. Bunch of ten stems 25c, postpaid.

**SALVINIA.**—This is a small floating aquatic plant, nice for fish globes or small aquariums. Leaves are soft green, with delicate, hairy surface. Bunch 15c, doz \$1.50.

**LUDWIGIA.**—A pretty plant with smooth green leaves, variegated at certain season with yellow and red. It grows nicely in pots, vases and hanging baskets. Each 25c.



CABOMBA

## PARLOR COLLECTION

Consists of one 8-quart Globe, five Fancy Fish, Food, Plant, Shells. Shipping wt. about 20 pounds. Price \$2.25.

**COMET FISH.**—Also called "Long-Tailed Beauties," and "Fancy Gold Fish." They are without doubt the most graceful in their movements of all aquaria fish. Medium size 25c each; large 50c each. Extra choice colors and markings 75c to \$1.25.

**JAPANESE FANTAIL FISH.**—By far the most popular of all fancy fish and the most satisfactory of the imported varieties. The fins and tails are of delicate lace-like appearance. The tail is V-shape and frequently divided. They are beautifully variegated usually with golden red and pearly white or black. Choice specimens 50c. Fancy 75c. Extra fancy \$1.00 to \$3.00 each.

**JAPANESE FRINGETAIL FISH.**—These aristocratic fish are undoubtedly the most beautiful of all aquaria fish, having extremely long, drooping tail and fins. Choice specimens sell at \$10.00 to \$50.00 each. We can furnish select specimens at \$3.00 to \$5.00.

**TELESCOPE FISH.**—A very curious appearing fish which always attracts attention from its "extreme ugliness." Its eyes are abnormally large and bulging. Price \$1.00 to \$1.50. Black Telescopes, which are quite rare, \$3.00 each.

**SHIPPING BUCKETS.**—Unless you order fish globe with fish it will be necessary to ship them in a can or bucket. For this purpose we offer 3-quart tin buckets suitable for holding 6 medium sized fishes or less at 25c each, 4-quart at 35c, 6-quart, will hold 12 medium sized fishes, at 45c each.

**AQUARIA BOOK.**—(By Chas. N. Page.)—Illustrates and describes all best kinds of fancy fish. How to breed and care for gold fish, etc.; paper, 64 pages, 15c; cloth bound, 50c, postpaid.

**GLASS FISH GLOBES.**—These are neat, cheap and consequently more popular than the large aquariums. Like cut in upper left corner of page. Measurements are approximate.  
1-qt.—5 in....\$ .25      4-qt.—8 in...\$ .85  
2-qt.—6 in....\$ .45      8-qt.—10 in... 1.25  
12-qt.—11 in...\$2.00

A GLOBE OF GOLDFISH AMONG THE HOUSE PLANTS ADDS CHEERFULNESS TO THE HOME AND INTERESTS THE CHILDREN.

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**BRILLIANCY COLLECTION  
NASTURTIUMS**

*12 Kinds      12 Colors  
(8 Dwarf, 4 Climbers)*

**1 PKT. OF EACH \$1.00 1 OZ. OF EACH \$3.00**

*POSTPAID TO ANY ADDRESS*