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FOUNDED 1887

1912 CATALOGUE  
*Challenge*  
SEEDS

RY  
of AS

MY MARYLAND

FRANCES E. WILLIAMS



1912

ETOILE DE FRANCE

Des Moines Seed Co.

409-11 East Fifth Street  
Des Moines, Iowa

CAPITOL COLLECTION  
OF ROSES  
THE BEST OF ALL  
GARDEN ROSES  
PRICE FOR THE SET  
50c

# THE CAPITOL ROSE COLLECTION

## FOUR GRAND SORTS

Each of the following fine in form, superb in color, low in price, **ONLY 50 CENTS POSTPAID**, or in large quantities, two-year-old plants for immediate blooming, only \$1.00 postpaid.



### My Maryland

**Finest Salmon Pink.**

You are very much inclined to regard the splendid Rose as the best of its color. It does remarkably well in the open ground, has wonderful beautiful flowers, grows very full, deep and double, a very large flower, strong grower and fine bloomer and has won friends who have already been gifted with large full double flowers, a pleasing shade of salmon-pink, fragrant and beautiful. **Price, 20c each; two-year-old plants, 10c each.**

### Etoile De France

**Velvety Crimson Red.**

The 2nd Grand Rose of France, and claimed by the latter to be the finest Rose he has ever sent out. A very strong, vigorous grower, with handsome green-bronzy foliage, and exceedingly fine flowering. Flowers very large, borne on good, long stiff stems; color lovely crimson red; very fragrant and keeps well. **Price, 15 cts. each; two-year-old plants, 35 cts. each.**

### Frances E. Willard

**The Premier Pure White Rose.**

This extremely beautiful new, pure white, blooming Rose has proved a most valuable variety for garden and home. It is a strong, vigorous grower, making healthy, handsome bushes. The fine and heavy, full of lower and upper perfect form, pure snow white, delightfully fragrant and very full and perfect. It is such a vigorous grower that its branches shoot up much higher than the first year. It is better if given some support. Blooms better the second season than the first. **Each, 15 cents; two-year-old, 35 cents.**

### Mlle F. Kruger

**Deep Copper Yellow.**

Quite unique and distinct from all others and strikingly beautiful. Largest sized blooms, very finely formed and come on fine, vigorous stems, making an ideal sort for cutting. **Each, 15 cents; two-year-old plants, each, 35 cents.**

**One strong plant of each of the four Capitol Roses, 50 cents postpaid; one two-year-old plant of each, ready to bloom at once, postpaid for only \$1.00.**

## Bountiful Vegetable Collection

Here is the chance of a life time. A great big garden of the choicest vegetables, at so low a price (if you buy red cabbages) it means \$50 for 50 cents, or \$100 for 1. You can have all the vegetables you can use, you only need a small piece of ground and but little labor. One full-sized packet of each of the following:

Eclipse Beet, Jersey Wakefield Cabbage, Harvest Home Cabbage, Chantenay Carrot, Early Cluster Cucumber, Black Seeded Simpson Lettuce, Yellow Meated Muskmelon, Early Klondike Watermelon, Yellow Globe Danvers Onion, Improved Hollow Crown Parsnip, Large Cheese Pumpkin, French Breakfast Radish, Charlier Radish, Mammoth Sandwich Island Salsify, Hubbard Squash, New Stone Tomato, White Egg Turnip.

**17 PACKETS, LARGE AND WELL FILLED; CHOICE FRESH SEED. POSTPAID FOR ONLY 50 CENTS.**

**YOU WILL NOT FIND A BIGGER BARGAIN IN SEEDS**



Address all orders plainly to Des Moines Seed Company, Des Moines, Iowa

**Founded  
1887**

# Catalogue of Challenge Seeds

SOLD ONLY BY

## DES MOINES SEED COMPANY

409-411 East 5th St.

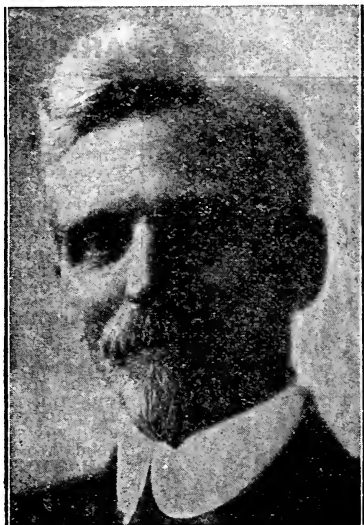
DES MOINES, IOWA

### BUY CHALLENGE SEEDS FOR ALL YOUR NEEDS.

It is our ambition to build up a great seed business for our house and we wish to thank all our friends and customers who are assisting us to this end with their patronage. We are distributing 50,000 catalogues this year and we hope to get an order from every person who receives one of these books. Our old customers we feel sure will buy of us because they know from experience that they receive first-class seeds and full value for money paid. Those who have not dealt with us are earnestly requested to give us their patronage. We assure you it will be appreciated and we will show our appreciation by sending you first-class goods and giving you a square deal.

There are two systems upon which business is conducted today. Some houses solicit trade simply on the question of price, always quoting cheap prices and hoping by the lure of low figures to secure the business. The other plan is to furnish the best obtainable quality of stocks and sell at a fair margin of profit. We distinctly believe in and carry out this last policy. Quality in seeds is so far above question of price that the customer would always buy the best grades were he able to determine in advance the quality question. He cannot do this, but must depend upon the integrity of the firm he patronizes. We ask you to depend on us and we assure you we have the best seeds.

The manager for this company has been in the seed trade for twenty years and knows his business. He works hard; has to; because the business is so big it won't let him idle, and he gives his personal attention to your orders so that they go right. Mr. Guthrie's hobby is the "chicken business." He is secretary of the Iowa State Poultry Association and is personally known and respected by nearly every poultry fancier in his state. You can bank on the poultry supplies from this store because he knows the needs of the man raising chickens. This branch of our trade is so important that we devote a special illustrated catalogue to our poultry supplies and if you only say the word will be glad to send you a copy.



K. H. Guthrie, Gen. Mgr.

## BE CAREFUL WITH YOUR ORDER

**DON'T GET US CONFUSED WITH ANY OTHER SEED FIRM.**—Be sure and use the envelope which you will find in this catalogue, or if you write us address **Des Moines Seed Co., Des Moines, Iowa.** We want your trade. We don't want any competitor to have it. We'll send you order sheets and envelopes whenever you want them.

**ORDER EARLY.**—If you wait too long some things may be sold out. It takes time for long freight shipments to reach their destination, and besides you ought to be forehanded and have the goods before they are actually needed.

**SEND YOUR MONEY** by P. O. or Express Money Order, Bank Draft or enclose cash in a registered letter. Don't send coin loose in a common envelope; better send postage stamps for small amounts.

**TELL US HOW TO SHIP YOUR ORDER.** If you don't we will send them by the most convenient method, always figuring to get them to you for the least cost for transportation.

**WE GUARANTEE** that if you send money as instructed above it will reach us. That we will get your goods to you in good con-

dition, and that if you are dissatisfied and promptly return any goods, the purchase price will be refunded.

**WE DO NOT GUARANTEE** our seeds to grow or produce a crop. We exercise great care in keeping our seeds pure, true to name, sound and vital, but we want to distinctly state here, so that it may not be misunderstood, we give no warranty, express or implied, as to description, quality, productiveness or vitality of any seeds, bulbs or plants that we send out, and will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms they are to be sent back to us at once and we will refund the purchase money when we get them.

**WRITE OFTEN.**—If you want to know about something that is not clearly explained in this book, ask us. If a mistake occurs, let us know about it at once. If you get bad results, tell us about it, and if you get good crops, tell us that, too. We are anxious to serve you any way we can because we must have your friendship and confidence, but that isn't hard to get when once you have planted Challenge Seeds.

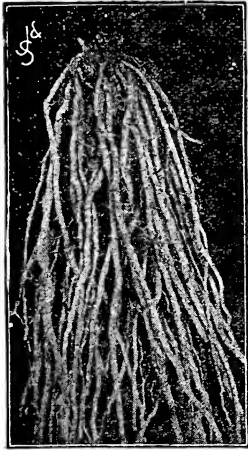
K. H. GUTHRIE, Pres. & Mgr.  
F. H. PAGE, Sec'y & Treas.

**DES MOINES SEED CO.**

# CHALLENGE GARDEN SEEDS

We are offering you under our name "Challenge Seeds" only a comparative few of the long list of varieties of vegetables, but each one is selected because of its quality. We are just as particular about our stocks as we are about the varieties, and the quality of our seeds is the very best. We give you full value for your money—**honest seeds, honest prices, honest dealing**—and we want your business on that basis. All seeds we send out are tested and of known vitality and will please you in results. **Prices on garden seeds are pre-paid except on beans, corn and peas in quantities of one-half peck or larger.**

## ASPARAGUS



ASPARAGUS ROOT

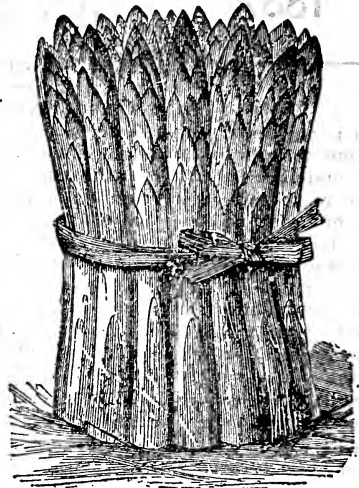
**ASPARAGUS ROOTS.**—See page 25 for varieties and prices.

One ounce will sow 60 ft. of row and produce about 500 plants.

Asparagus is perhaps the most popular of early spring vegetables. It is so easy to grow that we wonder why everyone does not have a bed. When once established it furnishes continued growth for years, and really gets better as it grows older. In preparing a bed dig trenches a foot deep; see that the soil around the roots is strong and rich and if necessary add well-rotted manure to furnish plant food. Liberal applications of manure on the beds in fall will add materially to the growth the following spring. Quick, heavy growth makes the best asparagus and to get this you must give plenty of food for the roots. If you want to grow it from seed select a rich, mellow, deep soil, sow the seed in rows about two or three feet apart. Plant seed two inches deep, and add fertilizer as outlined above.

**PALMETTO.**—This asparagus is now quite extensively grown for markets, where it sells at high prices, owing to its fine size and regularity. Although of southern origin, it is equally well adapted to the North. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**CONOVER'S COLOSSAL.**—A well-known, old standard variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

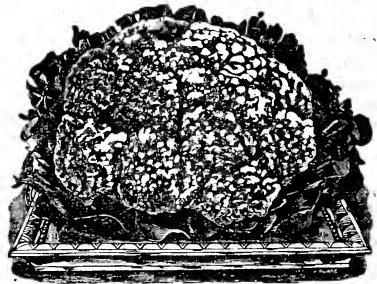


PALMETTO ASPARAGUS

## SEND US YOUR CHECK

Perhaps it won't be convenient to get a money order or draft, and if not you can send us your check on the bank in which you keep your funds. Many times you can save time and expense by this means. Don't send coin in a letter if you can possibly avoid it. Coins tear the envelope and drop out in transit and get lost. We can use postage stamps for small amounts.

No deduction can be given from catalogue prices on seeds except if you order seeds to go by express, or freight you may deduct 10c per lb. from postpaid price.



SNOW WHITE BROCCOLI

**BROCCOLI**

**SNOW WHITE.**—Forms heads very much like a cauliflower, but is much hardier, and gives excellent results in cool localities. It is not as valuable as the cauliflower in warm climates, nor of so good quality, but is more sure to head under the dry weather conditions of summer and early fall. You will like broccoli, and if you cannot grow cauliflower successfully you should try this. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

## BRUSSELS SPROUTS

A species of the cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy, prepared in any manner in which cabbage is used, and in the same way as cauliflower. Cultivate same as cabbage. Break leaves from stem to aid formation of heads. One ounce of seed yields 4,500 plants.

**IMPROVED DWARF.**—Produces compact sprouts of the finest quality; a good keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.



BRUSSELS SPROUTS

# BEANS

## DWARF BUSH VARIETIES.

One quart to 100 feet of drill or 200 hills; 2 bushel per acre in drills.

Beans cannot be planted with safety until warm weather. Any porous soil will answer. Remember, we pay the postage on quantities up to one quart. If to go by freight or express not prepaid, deduct 10c per pint or 15c per quart.

**PROLIFIC BLACK WAX.**—A very early wax podded sort. An old-time variety, unsurpassed in quality if used for snap beans. Pods are round, full, stringless and of exceptionally delicate and fine quality. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, \$1.00; peck, \$1.75.

**IMPROVED GOLDEN WAX.**—This is the favorite early wax variety, more largely used than any other. The pods are yellow, stringless, large and handsome. Very productive. The pods are rather flat, beans white with purple blotch, and both pods and beans are tender and fine for cooking in any manner. Has been offered for many years. Large



**GOLDEN WAX**

ner. They are still first in favor, though they have been offered for many years. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, \$1.00; peck, \$1.75.

**WARDWELL'S KIDNEY WAX.**—This splendid variety has a pure wax pod, is entirely stringless and almost rust proof, as it holds its pod so high above the ground. Hardier than either Golden Wax or Black Wax and does not go down so quickly after picking, therefore preferred by some market gardeners. Beans resemble Golden Wax in appearance except in shape. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, \$1.00; peck, \$1.75.

**DAVIS KIDNEY WAX.**—A comparatively new variety of great value. It is adapted alike for the canner, market gardener, shipper or amateur. The dry bean is large, kidney shaped and white in color, making it one of the best for cooking in the dry state. The pods are long, meaty, stringless and a beautiful light yellow color. It stands shipping better than any other, and is one of the best of the wax podded varieties. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, 95c; peck, \$1.75.

**STRINGLESS GREEN POD BUSH.**—One of the best of stringless green pod bush beans. Surpasses all others in crisp, tender flavor. The finely-shaped, long green pods are absolutely stringless, and are ready to market two weeks earlier than the Valentines. It is of immense value not only to the market gardener, but also to the amateur who seeks a rare quality early for the home table. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, \$1.10; peck, \$2.00.

**EXTRA EARLY ROUND POD RED VALENTINE.**—The best green podded "snap short" bean. The pods are round and fleshy, they mature quickly and are of first-rate quality. This is the most popular of all green podded beans. We have always kept abreast of the improvement made in this important variety, and have for some years past sown a strain that is unequalled in extra earliness and round-podded appearance.



**CALIFORNIA WONDER** (see next page)



**ROUND POD RED VALENTINE**

all green podded beans. We have for some years past sown a strain that is unequalled in extra earliness and round-podded appearance. This variety is the most popular of all green pod sorts, and with good reason. For years new kinds have continually been brought out as improvements on existing sorts, but in our opinion none have proven in any way superior to this improved and selected strain of Valentine. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, 95c; peck, \$1.75.

**HENDERSON'S BUSH LIMA.**—Grows in compact bush form, producing enormous crops of delicious Lima beans which can be as easily gathered as the common garden bush bean; is at least two weeks earlier than any of the climbing Limas; produces a continuous crop from the middle of July until frost. Enormously productive. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, ½ pk., \$1.10; pk., \$2.00.

Please remember in comparing our prices with other dealers, that we pay the postage on beans, corn and peas on quantities of one quart or less at prices named in this book.

## BEANS---Continued



BURPEE'S BUSH LIMA

on account of its whiteness and small size, commands the highest prices in all markets. It has the additional merit of being pure stock. Mixed stock always sells at from 25 to 50 per cent less than straight stock. A few cents extra expended on the seed means many dollars in the crop. Twelve quarts of the California Wonder Bean will plant an acre. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 40c. Not prepaid, half-peck, 70c; peck, \$1.25.

**WHITE NAVY.**—Valuable chiefly as a field bean, and considered by many the best baking variety. The standard market variety in the dry state. Sold in immense quantities all over the world. Large pkt., 5c; ½ pt., 13c; pt., 20c; qt., 35c. Not prepaid, half-peck, 65c; peck, \$1.20.

**LARGE WHITE MARROW.**—The standard large white bean commonly sold in market. Beans are more than twice the size of the Navy or California Wonder and are good green or dry. Of vigorous growth and productive. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, 75c; peck, \$1.40.

## POLE OR RUNNING BEANS

**KENTUCKY WONDER** (Also sold under the name "Old Homestead")—Fine, vigorous, climbing well, and very productive, bearing its pods in large clusters; pods green, very long, often reaching nine or ten inches, nearly round when young, and very crisp, becoming very irregular and spongy as the beans ripen. A very prolific sort, with showy pods. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, 90c; peck, \$1.75.



WHITE DUTCH CASE KNIFE

**LAZY WIFE.**—This sort is popular in many localities. As its name indicates, a handful of choice, stringless pods at a single grab. The pods are broad, thick, very fleshy and entirely stringless, and possess a rich, buttery flavor when cooked. The beans are white and make a very good dry bean for winter use. May be grown either on poles or on corn. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, \$1.00; peck, \$1.90.

**WHITE DUTCH CASE KNIFE.**—Yields an immense crop of handsome, flat, white beans of excellent flavor. Cooks easily. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, 90c; peck, \$1.75.

**LARGE WHITE LIMA OR BUTTER.**—Richest and finest flavor, and estimated to be the best of Lima pole beans. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, \$1.00; peck, \$1.90.

**CUT SHORT OR CORN HILL.**—This is a popular old variety specially desirable for planting among the corn, as they seem to thrive better grown in that way than do most sorts. Very fine as green snap beans. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c. Not prepaid, half-peck, 90c; peck, \$1.75.

**LONDON HORTICULTURAL.**—Also known as "Cranberry" and "Wren's Egg." A splendid large bean of vigorous growth, very prolific and finest quality. Pods and beans are both larger than most of the pole varieties. A favorite variety because it is fine either as a snap or shell beans. Large pkt., 5c; ½ pt., 15c; pint, 25c; qt., 45c. Not prepaid, half-peck, 85c; peck, \$1.60.



KENTUCKY WONDER

You may deduct 10 cents per pint or 15 cents per quart from price of beans if you will pay express or freight charges.

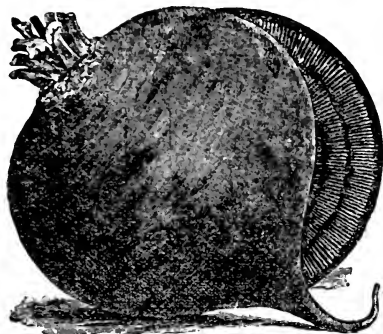


## BEETS

One ounce to 100 ft. of drill; 5 to 6 lbs. to the acre, in drills.

**STERLING.**—In this new beet we offer our customers a decided novelty. It is as early as Eclipse, perfectly globe shaped, with a single tap root, and of the richest color of any of the beets. It is a splendid keeper, is not excelled in yielding qualities by any other sort; is exceedingly tender, fine and sweet, and is unequalled for table use. Market gardeners will find our Sterling a very profitable variety to grow, as no other sort approaches it in attractiveness. Exposed on the market by the side of other beets, it at once catches the eye of the customer and completely dwarfs in appearance all other sorts. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**MARKET GARDENER'S.**—This is the ideal beet for market gardeners and the home garden. It is very symmetrical, with small tap root and but few fibrous roots; color outside is deep, blood red; inside, layers of blood red and light red alternate. When cooked they are beautiful dark red throughout, fine grained and unsurpassed in quality. At the age of the earliest varieties it is larger, while it continues to grow until late in the fall, attaining a large size, and making a good selling and eating beet for winter. One sowing only is necessary to produce early beets for market and main crop for winter use. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.



STERLING

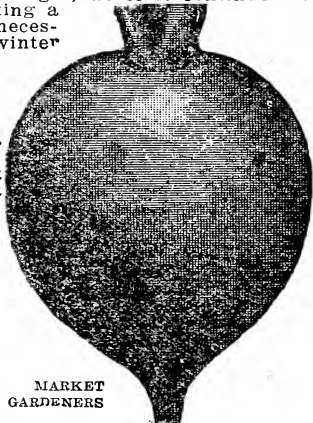
**EARLY BLOOD TURNIP (Dewings').**—Roots are turnip shaped, deep crimson, tender and sweet. An old standard variety still popular. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**EXTRA EARLY EGYPTIAN (Crossby's).**—The earliest sort. Turnip shaped, symmetrical, deep blood color. The most popular with gardeners for earliest bunching. Our strain is not surpassed in earliness or evenness. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**ECLIPSE.**—Makes rapid growth. Nearly round in shape. Top small, quality fine, larger than Egyptian, but not as deep a red in color. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**DETROIT DARK RED BLOOD TURNIP.**—A handsome, clean, turnip-shaped blood beet. Skin and flesh are of a deep, blood red, sweet and tender in quality, and unsurpassed for solidity and keeping purposes. The roots grow regular and are of the right marketable size. The tops are small, allowing them to be grown closely together. They mature early, and give every satisfaction as a bunching sort. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**IMPROVED LONG BLOOD.**—An old and popular variety, especially desirable for autumn and winter use. Roots long in shape and our stock will produce fine, large, smooth beets of excellent quality. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.



MARKET GARDENERS

## MANGELS AND STOCK BEETS

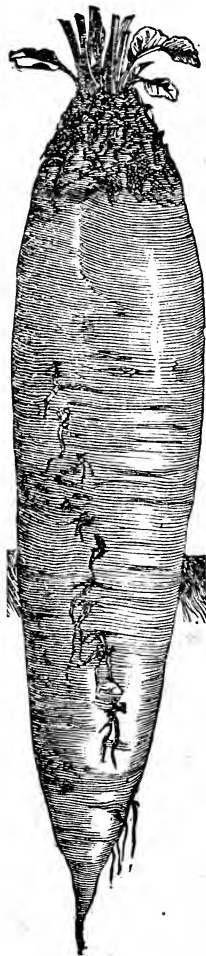
We have our seed grown under contract in England by experts in that line, as there is no place in the world where Mangel and Ruta Baga are produced in such perfection. Crop is short this year and prices somewhat higher in consequence.

**IMPROVED MAMMOTH LONG RED.**—Our stock is a great improvement on the old variety. The roots are very large, uniformly straight and well formed. Color, deep red; roots solid, tops small. Roots attain a large size, one being exhibited last year which weighed 58 lbs. Produces an immense bulk and tonnage Oz., 5c;  $\frac{1}{4}$  lb., 20c; lb., 55c; 10 lbs. at 50c per lb., prepaid.

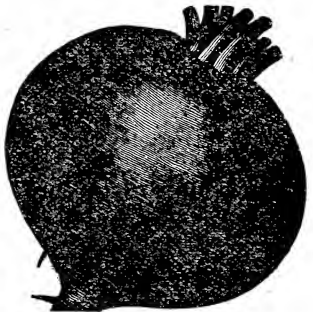
**IMPROVED GOLDEN TANKARD.**—We have for years insisted that this was the best mangel grown and recommend it unqualifiedly as the best mangel for dairy farmers. The color is a deep, rich yellow. The flesh is yellow and white in rings, beautifully alternating with each other. On account of its shape, enormous crops are grown, and it is easily lifted from ground. Oz., 5c;  $\frac{1}{4}$  lb., 20c; lb., 50c; 10 lbs. at 45c per lb., prepaid.

**YELLOW GLOBE.**—Especially fine for shallow soils, as it requires but little depth to grow in. Heavy cropper and will produce nearly as great results as the longer sorts. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 55c; 10 lbs. at 50c per lb., prepaid.

**HALF SUGAR MANGEL.**—Cross between a mangel and a sugar beet, contains much greater per cent of sugar than the ordinary mangels and is therefore better for feeding purposes. Will produce more real flesh-forming feed per acre than any sort we list. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 55c; 10 lbs. at 50c, prepaid.



MAMMOTH LONG RED



DETROIT BLOOD TURNIP BEET

# CABBAGE

One ounce will produce 1,500 plants; one-half pound to transplant an acre.

**EARLY JERSEY WAKEFIELD.**—Heads are very hard, compact, solid and conical in shape. Few outside leaves. We do not admit that our stock has any superior except the Washington Wakefield. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.40.

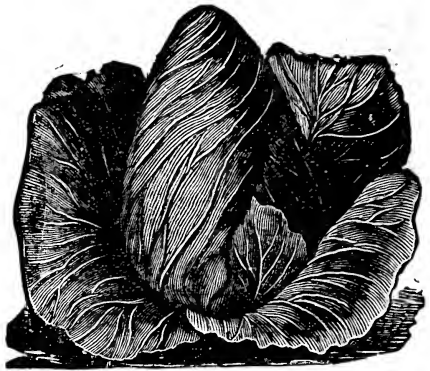
**NEW WASHINGTON WAKEFIELD.**—This grand variety is a trifle later than the Jersey Wakefield, but produces much larger heads, which are of perfect pyramidal shape, very solid, and with few outside leaves. Grows remarkably uniform, the heads even size and shape. Unequaled for market or family garden. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.40.

**HENDERSON'S EARLY SUMMER.**—Is deservedly popular with market gardeners throughout the country. It forms large, solid, round, flattened, compact heads of excellent quality. The heads average over double the size of the Jersey Wakefield, while it matures only ten or twelve days later. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**EARLY WINNIGSTADT.**—Very early. Will grow a hard head under circumstances where most sorts would fail. Heads regular, conical, very hard and keep well both summer and winter. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

**IMPROVED AMERICAN SAVOY.**—Heads large and finely curled; short stalk; compact grower; sure header; keeps well. The best Savoy cabbage for main crop. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

**MAMMOTH ROCK RED.**—The best, largest and surest heading red cabbage. Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.75.



EARLY JERSEY WAKEFIELD

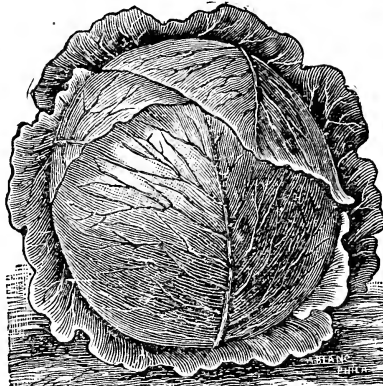
**SURE HEAD.**—Never fails to make a remarkably fine, solid, large head, with few outer leaves. A strong, vigorous grower, ripening late. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., \$2.40.

**LATE LARGE DRUM-HEAD.**—It is similar in most respects to the Premium Flat Dutch, but the heads are more rounded on top. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

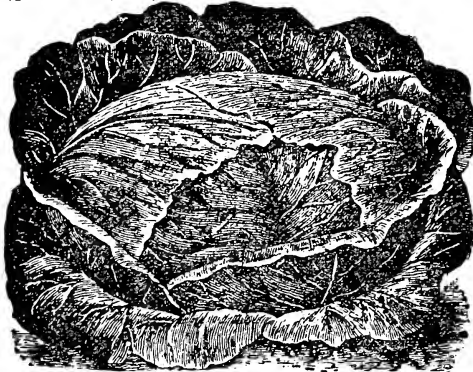
**HOLLAND (Genuine Danish Grown Stock).**—The heads are solid and deep, of medium size, averaging about 8 pounds in weight; in color entirely distinct, in point of quality have no superior, and they keep better than any other sort, being as solid and perfect when taken up in the spring as when put away in the fall. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

**SELECTED LATE FLAT DUTCH.**—A low growing variety; heads large, bluish green, round, solid, broad and flat on the top; an excellent fall and winter variety, and a good keeper. It is a sure header. Our stock has been grown from carefully selected heads, and we consider it superior to any other strain of Flat Dutch cabbage on the market. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**GREATER DES MOINES.**—Large, early, white, solid, new. Amongst many sorts of white cabbage, none of them combine the two desirable qualities of being early and large. We recommend this as a really early one (coming in as early as the Early Flat Dutch), at the same time making fine large heads. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.



EARLY SUMMER



HARVEST HOME

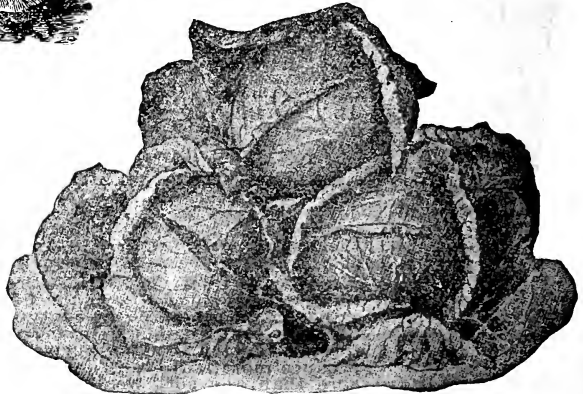
## PLANT BARGAIN

Ready for Mailing About May 1st.

It is not always convenient for the private gardener to grow vegetable plants in hot beds or frames and perhaps you would rather buy enough vegetable plants for your garden than to raise the small number needed. If so, this offer will just meet your needs. This bargain includes:

- 25 good early Cabbage.
- 25 standard variety Celery.
- 50 Yellow Jersey Sweet Potato.
- 12 large red Tomato.
- 6 large Mango Pepper.
- 6 Improved N. Y. Egg Plant.

All Postpaid for Only \$1.00.



GREATER DES MOINES

## CARROTS

One ounce for 100 feet of drill; 3 lbs. per acre.

**EARLY SCARLET SHORT HORN.**—One of the most popular varieties grown; color, a deep orange; one of the best for table use. Used by gardeners for early market. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.

**OXHEART, OR GUERANDE.**

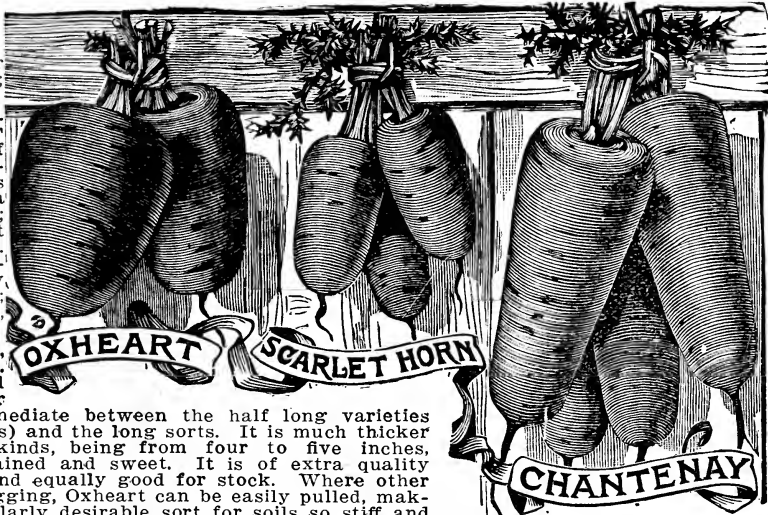
—This fine and very popular carrot is intermediate between the half long varieties (such as Danvers) and the long sorts. It is much thicker than ordinary kinds, being from four to five inches, orange, fine grained and sweet. It is of extra quality for table use, and equally good for stock. Where other sorts require digging, Oxheart can be easily pulled, making it a particularly desirable sort for soils so stiff and hard that other sorts do not do well. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.25.

**CHANTENAY.**—As a table variety it is first-class. In shape, it is larger than the Scarlet Horn and also broader at the shoulder. The flesh is of a beautiful, rich, orange color, and of the finest quality. It is medium early, with small tops. Roots taper slightly, but are uniformly stumpy rooted. Gives great satisfaction in both the market and private garden. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**TRUE DANVER'S HALF LONG.**—A first-class carrot for all soils; in form midway between the Long Orange and the Short Horn. The root is of a rich, dark orange color and grows very smooth and handsome; twenty to thirty tons per acre not being an unusual crop. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**IMPROVED LONG ORANGE.**—A well-known standard sort, roots long, thickest near the crown, tapering regularly to a point; color, deep orange; suitable for the table and main field crop. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.75.

**MASTODON.**—A fine white carrot for stock feeding. In shape it resembles the Oxheart somewhat, but is just a trifle longer. It is the heaviest cropper of any carrot grown and produces wonderfully. It is not suitable for a market sort, but because it produces so heavily it is the most desirable for live stock feeding. Roots are very smooth and symmetrical, of good substance. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; lb., \$2.75.



## CELERY

One ounce to produce 2,000 plants.

**GOLDEN SELF-BLANCHING.**—Regular stock. Solid, resembling White Plume, except it is a rich, golden yellow. Without banking or any covering, it assumes a beautiful golden color. Crop very short this year and price is consequently high, but you cannot afford to be without it, as it is so easy to raise. Pkt., 10c; oz., 75c;  $\frac{1}{4}$  lb., \$2.25.

**WHITE PLUME.**—Handsome, self-blanching sort, of very easy cultivation; crisp. The earliest known. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**CELERIAC, OR TURNIP ROOTED.**—Grown for the roots. Excellent for salad and flavoring. Very popular among our German customers. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**GIANT PASCAL.**—This should properly be called a giant self-blanching, as it is from that variety that it originated. It is a better keeper than the original sort and grows very large. Stalks of excellent quality. The heart is bright golden yellow, blanches readily and is solid and of splendid flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

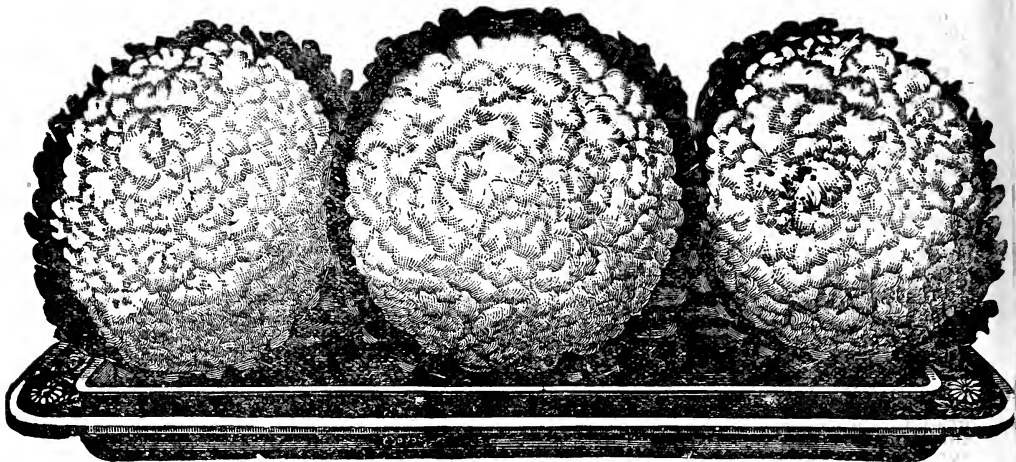
**WINTER QUEEN.**—Has superceded all dwarf sorts on account of vigor of growth and keeping qualities. It is of bright green, but blanches readily to a clear white. It withstands rust and blight and produces good celery when other sorts become diseased. Recommended for general planting. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**OLD CELERY SEED.**—This is celery seed that will not germinate. It is clean and pure, retains its full flavor and is fine for flavoring soups, stews or wherever the celery flavor is desired. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c.



GIANT PASCAL CELERY

# CAULIFLOWER



OUR SELECTED STRAIN OF SNOWBALL CAULIFLOWER

**SNOWBALL.**—The best variety for general purposes. Forms snow-white heads six to ten inches in diameter and as it does not spread greatly it will grow closer together than most sorts and produce more per acre. Nearly all seedsmen offer this variety, but we have an exceptionally fine strain and know it will give satisfaction. It is suitable for either early or late planting; for home or market growing; and in fact will be desirable wherever Cauliflower is grown. We make a specialty of this sort and have it grown for us by the best growers under the best possible conditions. Pkt., 15c; ¼ oz., 60c; 1 oz., \$2.25.

**ERFURT EXTRA EARLY.**—The favorite market sort in Europe where cauliflower is a staple and important crop. It is specially good for hotbed or coldframe growing or forcing in winter in the greenhouse. Pkt., 10c; ¼ oz., 50c; 1 oz., \$2.00.

## CHICORY

**LARGE ROOTED.**—This is a root crop grown and cultivated like carrots or parsnips. When ripened they are dug and cut in very small pieces and dried. When wanted for use they are ground and prepared just as you would coffee, for which it is substituted. Pkt., 5c; oz., 10c; ¼ lb., 25c.

## CRESS

**CURLED.**—The common peppergrass, with pleasant pungent flavor, used as a salad. Sow as wanted at intervals, as it grows quickly and soon becomes past usefulness. Pkt., 5c; oz., 10c; ¼ lb., 25c.

**WATER.**—A greatly prized variety, much more pungent than the ordinary peppergrass and also of finer flavor. Much used for garnishing like parsley. Sow along the

borders of running water. Pkt., 10c; oz., 35c. (There are about 3,000 seeds in one ounce.)

## COLLARDS

**GEORGIA.**—A loose-growing form of cabbage, very nearly allied to kale or borecole. In the South they are very popular as "greens" and are really desirable, as they have a flavor of their own very much liked by some. Our variety is the one in most general use. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.

## CORN SALAD

Sow about one ounce on 20 square feet. This is sown in fall (September is best) and is covered when cold weather sets in, with loose straw or leaves, and it can be used during winter. Used for "greens" and salads. Pkt., 5c; oz., 10c; lb., 30c.

## BULK PRICES FOR BEANS, CORN AND PEAS.

Customer to Pay Express or Freight Charges.  
Half Pecks Sold at Peck Rates, Half Bushels at Bushel Rates.

	Qt.	Peck.	Bu.
Prolific Black Wax.....	.30	\$1.75	\$6.50
Improved Golden Wax....	.30	1.76	6.50
Wardwell's Kidney Wax...	.30	1.76	6.50
Davis Kidney Wax.....	.30	1.76	6.50
Stringless Green Pod.....	.30	2.00	7.00
Extra Early Red Valentine	.30	1.75	6.25
Henderson's Bush Lima....	.30	2.00	7.00
Burpee's Bush Lima.....	.30	1.90	6.50
California Wonder.....	.25	1.25	4.50
White Navy.....	.20	1.20	4.25
Large White Marrow.....	.30	1.40	5.00

### POLE BEANS.

Kentucky Wonder.....	.30	1.75	6.50
Lazy Wife.....	.30	1.90	6.50
White Dutch Case Knife...	.30	1.75	6.25
Large White Lima.....	.30	1.90	7.00
Cut Short or Corn Hill....	.30	1.75	6.25
London Horticultural....	.30	1.60	6.00

### SWEET CORN.

	Qt.	Peck.	Bu.
Peep O' Day.....	.25	\$1.45	\$5.00
Golden Bantam.....	.40	1.75	6.50
Extra Early Cory.....	.20	1.25	4.50
Early Minnesota.....	.20	1.25	4.50
Champion Early.....	.20	1.50	5.00
Country Gentleman.....	.20	1.50	5.00
Stowell's Evergreen.....	.20	1.25	4.50
Mammoth Sugar.....	.25	1.50	5.00

### PEAS.

American Wonder.....	.55	3.00	11.50
Alaska.....	.55	2.75	10.50
First and Best.....	.50	2.75	10.00
Gradus.....	.65	2.75	10.00
Greater Des Moines.....	.60	4.25	16.00
Little Gem.....	.55	3.25	12.00
Nott's Excelsior.....	.65	3.25	12.00
Stratagem.....	.60	3.75	14.00
Telephone.....	.55	3.25	12.00
White Marrow (Dwarf)..	.35	2.25	8.00

# SWEET CORN

One quart for 200 hills. One peck for an acre in hills.

**PEEP-O'-DAY.**—The two points of this remarkable corn are its extraordinary earliness and unparalleled sweetness. It is also wonderfully productive. The early varieties of sweet corn do not, as a rule, yield as heavily as the later sorts; but, owing to the fact that the stalks bear from two to five ears each, and that they are very dwarf, which admits of their being planted close together, it not only gives an early yield, but it gives one of great productiveness as well, sometimes doubling the yield per acre of other early sorts. Pkt., 5c; ½ pt., 12c; pt., 20c; qt., 40c. Not prepaid, half-peck, 80c; peck, \$1.45.

**GOLDEN BANTAM.**—A remarkably sweet variety. In fact, we believe it is the best of the smaller early sorts. When ripe the grain is golden yellow color, hence its name. It is a first early and because of its quality is preferred to all other early kinds for home use. It is not large, but is a vigorous grower and produces good ears which are plenty large enough to please anyone. Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid, half-peck, \$1.00; peck, \$1.75.

**EXTRA EARLY CORY (White Cob).**—The earliest variety except PEEP-O'-Day. Is a standard extra early variety. The ears are fair size and the quality good.

Large pkt., 5c; ½ pt., 12c; pt., 20c; qt., 35c. Not prepaid, half-peck, 65c; peck, \$1.25.

**EARLY MINNESOTA.**—A splendid and standard variety; ears are good size, the grains sweet and tender. Large pkt., 5c; ½ pt., 10c; pt., 18c; qt., 30c. Not prepaid, half-peck, 75c; peck, \$1.25.

**CHAMPION EARLY.**—This is the largest-eared early sort. It matures within a few days as quickly as the extra early sorts



COUNTRY GENTLEMAN.

and is so much larger that it is preferred for market growing. The gardener should be sure and have this corn to follow his first early sort, as the small corns will not sell in competition with Champion Early when it is ready to market. Pkt., 5c; ½ pt., 12c; pt., 20c; qt., 35c. Not prepaid, half-peck, 85c; peck, \$1.50.

**COUNTRY GENTLEMAN.**—We have a stock of this excellent sweet corn that is exceptionally true to type. There is no sweet corn that compares with the Country Gentleman for sweetness. It is the variety par excellence where quality is desired. Market gardeners who make a specialty of growing for hotels and high-class restaurant trade use this as a main crop variety in preference to any other. For home use it will be found superior and it is very productive. The fact that it is a favorite variety with canners proves its merit. Large pkt., 5c; ½ pt., 12c; pt., 20c; qt., 35c. Not prepaid, half-peck, 85c; peck, \$1.50.

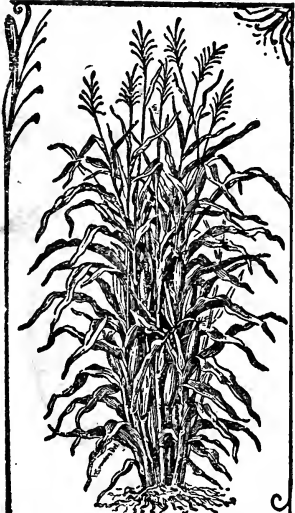
**STOWELL'S EVERGREEN SUGAR CORN.**—The standard late sweet corn. Being large eared, hardy and productive, sweet and tender, it remains a long time in condition suitable for cooking. Our seed being most carefully selected for depth of kernel, size of ears and freedom from flint and glaze, we know that it will give satisfaction. Large pkt., 5c; ½ pt., 12c; pt., 20c; qt., 35c. Not prepaid, half-peck, 65c; peck, \$1.25.

**MAMMOTH SUGAR.**—A large late variety having ears of mammoth size, 14 to 20 rows. Quality excellent, not exceeded by any variety. A good canners' variety, being white grained and very uniform. A week later than Stowell's Evergreen. Large pkt., 5c; ½ pt., 15c; pt., 25c; qt., 40c. Not prepaid, half-peck, 85c; peck, \$1.50.

**LATE SWEET FODDER CORN.**—See page 34. Per qt., 25c, postpaid. Not prepaid, half-peck, 35c; peck, 65c; bushel, \$2.25; 2 bushels for \$4.25.



EXTRA EARLY CORY



SWEET CORN FOR FODDER

## POP CORN

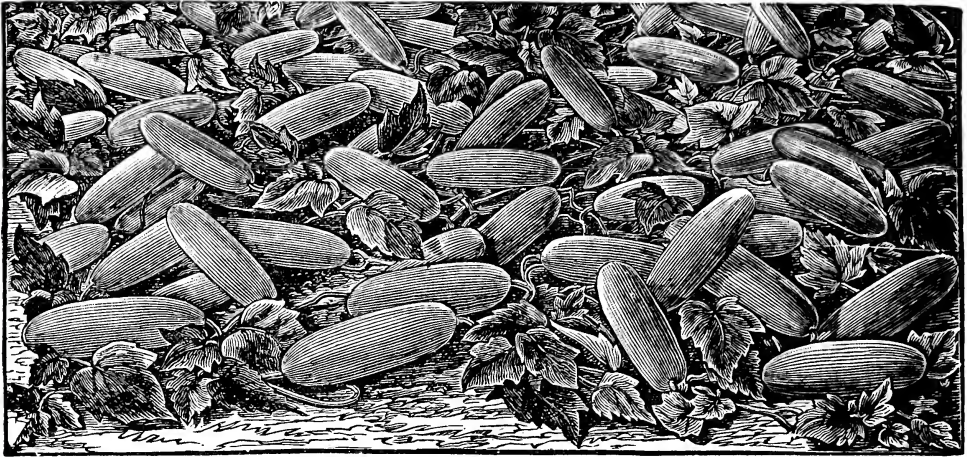
In every household where there is a child, particularly on the farm, there ought to be plenty of popcorn in the garret. It is easily grown, occupying but little space in the garden.

**MAMMOTH WHITE RICE.**—This is a splendid strain of White Rice Popcorn, producing large ears, with large kernels that pop to great size. It is carefully bred for purity and excellence. Large pkt., 5c; ½ pt., 12c; pt., 20c; qt., 35c. Not prepaid, half-peck, 60c; peck, \$1.10.

**QUEEN'S GOLDEN.**—Has a smooth grain of bright golden yellow, which pops a rich cream yellow and is particularly attractive on this account. A good producer, and is splendid for chicken feed. Large pkt., 5c; ½ pt., 12c; pint, 20c; qt., 35c. Not prepaid, half-peck, 60c; peck, \$1.10.

# CUCUMBERS

One ounce for 50 hills; three pounds per acre in hills.



ARLINGTON WHITE SPINE CUCUMBER

**ARLINGTON WHITE SPINE.**—This improved strain of the standard White Spine variety is pronounced by good judges superior to all others. Fruit is even and of good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive and keeps solid and crisp a long time. This is one of our specialties and we know results will please the grower. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**JAPANESE CLIMBING.**—The vines are vigorous, strong growing, and unlike most varieties can be trained upon fences, trellises, etc. Fruit is dark green, large and straight. Makes good pickles and is splendid for slicing. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**EARLY CLUSTER.**—Fruit of the slim form desirable for pickling. It is extra prolific, generally setting in clusters of two and three. These are generally regarded as the most desirable for small pickles. If the fruits are kept gathered, the vines will continue in bearing. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**IMPROVED LONG GREEN.**—Ours is a selected stock of this standard sort. Vine vigorous and productive, forms fruit fit for the table as early as the shorter sorts. Matured fruits are about 12 inches long, firm and crisp. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

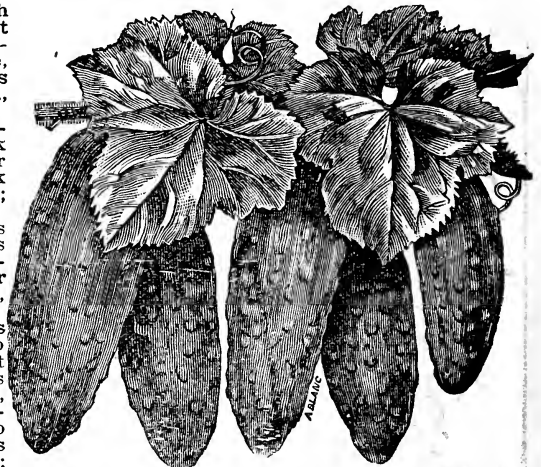
**NICHOL'S MEDIUM GREEN.**—A valuable and handsome variety, in size between White Spine and Long Green and is thus called a medium sort, though in reality it is quite large. It is an excellent sort for pickles and useful for forcing. Very prolific. Fruit straight and smooth; color dark green; flesh tender and crisp. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**DAVIS' PERFECT.**—Introduced and named by the originator of the Davis Wax Bean and Grand Rapids Forcing Lettuce. Mr. Davis has for years been forcing cucumbers under glass for the Chicago and Detroit markets, and it has been his ambition to produce a cucumber that would be as handsome in appearance and sell as well grown in the ordinary way in the open ground. He has at last succeeded. It has an ideal shape, and the handsomest color of all cucumbers. It is a type of the most perfect size. Eating qualities surpass anything we have ever tried. It is almost seedless one-third of its length from the stem end, and the seeds when it is in slicing condition are so small and tender that they are unnoticed. It is enormously productive. It does not change its dark, rich color when grown outdoors; in fact, it resembles a hothouse cucumber so closely that dealers cannot tell the difference, and are willing to pay as much for it as the hothouse production. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**EXTRA EARLY EXPRESS.**—The finest early cucumber. Illustrated on back cover page and fully described with our Capital Collection on the inside back cover. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**BOSTON, OR JERSEY PICKLE.**—This is one of the most popular pickling sorts in general use, and is used almost exclusively by the market gardeners near Boston for growing for pickles. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**IMPROVED CHICAGO PICKLE.**—This is the most popular sort on the Chicago market, and originated with a prominent pickle grower near that city. Grows quickly and is a wonderful bearer of fine, well-shaped fruits. While specially desirable for producing small pickles it also makes fine slicing cucumbers in its larger sizes. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.20.



BOSTON OR JERSEY PICKLE CUCUMBER

**EGG PLANT**

**IMPROVED NEW YORK SPINELESS.**—The handsomest type and most perfect strain of Egg Plant in existence. The plants are stocky and low branching, stalks entirely free from spines, and produce continually handsome, deep purple fruits of largest size and most perfect symmetry. The plants usually bear eight to ten immense fruits of the finest quality before being killed by frosts. Large pkt., 10c; oz., 35c; ¼ lb., \$1.20.



IMPROVED NEW YORK EGG PLANT

**ENDIVE**

Endive is used as a salad like lettuce and is very popular for summer and fall use. The seed is planted in the open ground, in June or July, as a second crop. Seed should be drilled in an inch below the surface, and the soil pressed firmly about it. In autumn the endive is blanched by tying the leaves together or laying a board upon the plant, or covering with a box for a week. Use 4 or 5 lbs., of seed per acre; ¼ oz. to 300 feet of row.

**GREEN CURLED.**—Extra curled. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**GOURDS**

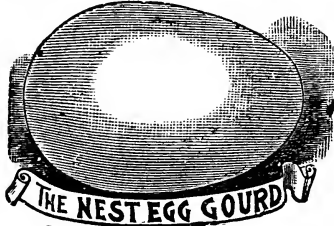
Gourds are tender annuals, of trailing or climbing habit. The seed should not be planted until the ground is warm. Plant in hills and cultivate as cucumbers. Leave only three or four plants, and allow the vines to train over a trellis.

**DISH CLOTH.**—The peculiar lining of this valuable gourd gives it its name. The fruit grows about two feet long. The interior membrane is serviceable for a variety of household purposes, being used as a dish cloth or sponge.

The fibre is tough, elastic and durable. Start seed under glass in the North. Pkt., 10c; oz., 35c.



GREEN CURLED ENDIVE



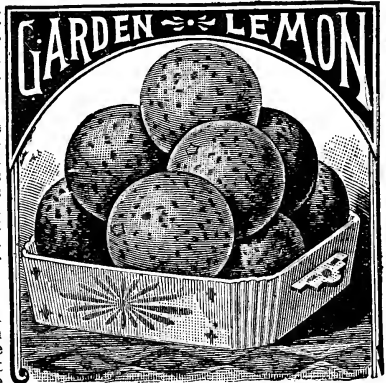
**DIPPER.**—A well-known and useful gourd. When grown on the ground the stem is much curved; but on a trellis the weight of the fruit makes the stem or handle straight. This gourd is very much in demand. Pkt., 5c; oz., 15c.

**SUGAR TROUGH.**—A very large gourd, holding from 4 to 10 gallons, with a hard, thick shell, but light and durable, lasting for years. It is employed for a variety of purposes, from a bucket to a hen's nest. Make hills 8 feet apart each way. Pkt., 5c; oz., 15c.

**NEST EGG.**—This interesting gourd produces white fruit exactly the size and shape of a hen's egg. The matured fruit does not crack, and will serve for year as a nest egg, for use in darning stockings, or for ornamental purposes. The vine is a rapid grower, useful for covering screens or trellises. Pkt., 5c; oz., 20c.

**GARDEN LEMON**

This looks just like a miniature musk melon of the old type. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, which it resembles in growth, but has a thinner flesh, and is decidedly acid, thus dispensing with the sliced lemons so important in putting up the Vine Peach. It is used for sweet pickles and preserves in the same way that melons and cucumbers are prepared. Pkt., 5c; oz., 25c.



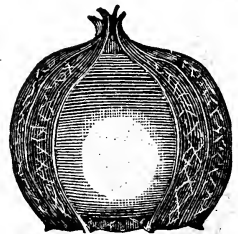
**PICKLING AND PRESERVING**

A SPECIAL OFFER FOR THESE USES.

One packet Yellow Ground Cherry, 1 packet Citron Watermelon, 1 packet Vine Peach, 1 Packet Garden Lemon, 1 packet Yellow Pear Tomato. These five packets of seed will produce an abundance of fruit for preserves and sweet pickles—in fact much more than an ordinary family can use. The vegetables are so easily raised and so little trouble to conserve that every housewife will be delighted with them. All five packets postpaid for only 20c.

**GROUND CHERRY**

Also called "Husk Tomato." It is a very popular little fruit, and deservedly so, as it is really a valuable aid to the housewife at fruit preserving time. 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 are delicious as preserves and when dried in sugar are much better than raisins for cakes and puddings, and they will keep in the shuck, if kept in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a portion to



YELLOW GROUND CHERRY

the Ground Cherry. Pkt., 10c; ½ oz., 25c; oz., 40c.

## KALE OR BORECOLE



DWARF GERMAN KALE

**DWARF GERMAN.**—This is more hardy than cabbage and makes excellent greens for winter and spring use. Leaves are curly bright green, very tender and delicious in flavor. Sow seed in May or June, transplant in July and cultivate same as cabbage. For early spring use, sow in September; protect over winter with a covering of straw or litter. Pkt., 5c.; oz., 10c.; ¼ lb., 25c; lb., 60c, postpaid.

## KOHL RABI

One ounce produces about 2,500 plants. Is generally classed as belonging to the cabbage, but is rather intermediate between cabbage and turnip. The illustration shows its manner of growth. It is really an excellent vegetable and worthy general cultivation. **EARLY WHITE VIENNA.**—The most popular variety. Flesh clear white, tender and brittle. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

## LEEK

Leeks are a species of onion, growing readily from seed, but do not form large bulbs. Used like new spring onions, but it is best to draw up the earth around the stem if you want them to blanch white and become tender. They are perhaps more pungent than most onions, but are really valuable if you want green onions for late summer and fall use.

**AMERICAN FLAG.**—A large growing variety that is hardy and well flavored. The sort that is most popular with American growers. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



WHITE VIENNA  
KOHL RABI



AMERICAN FLAG LEEK

## CHILDREN'S DAINTIES

**SEVEN PACKETS OF GARDEN DAINTIES FOR THE CHILDREN POSTPAID FOR ONLY 25 CENTS.**

Children are particularly fond of sweet things—nuts and “goodies” generally. Most of the older folks also enjoy the dainties that are part of the winter's store in most households. We want to help to interest the young folks in gardening. We want them to start as our customers now, so we can secure their trade in future years as needs develop. To further this idea we are making a special bargain offer of various items that will appeal to all lovers of good things to eat, but especially to the children, as they will want to grow for themselves the items offered. Our assortment contains:

One packet Pop Corn, one packet Garden Lemon, one packet Ground Cherry, one packet Peanuts, one packet Rocky Ford Musk Melon, one packet Kleckley's Sweet Watermelon, one packet Vegetable Oysters.

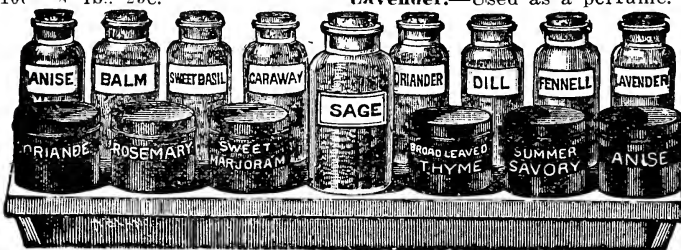
## HERBS

Don't neglect to order a few varieties of herbs. Harvest them properly, on a dry day when not quite in full bloom, dry quickly and pack closely and entirely exclude from the air. Those marked with an asterisk (\*) are perennial.

**Anise.**—Pkt., 5c; oz., 10c.  
**Balm.**—Pkt., 5c., oz., 25c.  
**Basil, Sweet.**—For flavoring soups, stews, etc. Pkt., 5c; oz., 15c.  
**Borage.**—Pkt., 5c; oz., 15c.  
**\*Caraway.**—Seeds are used for flavoring bread, etc. Pkt., 5c; oz., 10c.  
**\*Catnip, or Catmint.**—Pkt., 5c; oz., 30c.  
**Coriander.**—Seeds used in confectionery. Pkt., 5c; oz., 10c; ¼ lb., 25c.

**Castor Oil Plant.**—Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.  
**\*Chamomile.**—Largely used for medicinal purposes. Pkt., 10c; oz., \$1.50.  
**Dill.**—Seeds sown for dill pickles. Pkt., 5c; oz., 10c; lb., 20c; lb., 60c.  
**\*Fennel, Sweet.**—Pkt., 5c; oz., 10c.  
**Horehound.**—For seasoning and cough remedy. Pkt., 5c; oz., 20c.  
**\*Hyssop.**—For asthma and catarrh. Pkt., 5c; oz., 20c.  
**\*Lavender.**—Used as a perfume. Pkt., 5c; oz., 25c.

**Marjoram, Sweet.**—Pkt., 5c; oz., 15c.  
**\*Rosemary.**—Aromatic leaves. Pkt., 5c; oz., 25c.  
**Saffron.**—Flowers used for coloring. Pkt., 5c; oz., 15c.  
**\*Sage.**—Much used for dressing. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., \$1.40.  
**Summer Savory.**—Used for flavoring. Pkt., 5c; oz., 10c; ¼ lb., 30c.  
**\*Thyme.**—Pkt., 5c; oz., 20c.







## LETTUCE

One ounce for 2,000 plants.

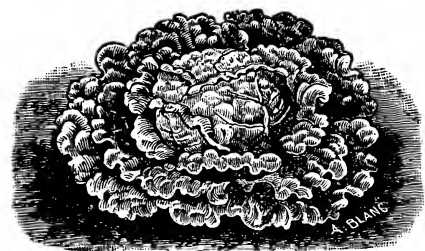
**CRYSTAL HEAD.**—Our specially choice novelty which is shown in colors on the back of the catalogue, and is one of the items in our Capital Collection offered on that page. It is really fine. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**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. In California they eat the heart only, with a dressing of olive oil, vinegar, salt and pepper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**DENVER MARKET.**—An early variety of head lettuce, either for forcing or open ground. It forms large, solid heads, of a good light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy cabbages) and very crisp, tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind grown. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**BLACK SEEDED SIMPSON.**—Nearly double the size of ordinary Curled Simpson. Stands the summer well without becoming tough or running to seed quickly. It is by far the most popular variety for greenhouse forcing, making large, handsome, loose heads in a very short time. Gardeners are always pleased with our seed. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.60.

**IMPROVED HANSON.**—For general use, both of market gardeners and in the private gardens this stands first, and we are sure that no variety can surpass our improved, carefully selected strain of Hanson lettuce. Has been so judiciously improved



CALIFORNIA CREAM BUTTER

that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. Heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter taste. Resists the summer heat exceptionally well. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.60.

**GRAND RAPIDS.**—A forcing variety of superior quality and beautiful appearance, strong grower, free from rot, and keeps crisp and tender without wilting when exposed for sale longer than any forcing lettuce. It is also a desirable variety for sowing in open ground. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**EARLY CURLED SIMPSON.**—This is the standard loose heading variety for outdoor growing. It is a greatly improved strain of Curled Silesia and surpasses the parent variety in ability to withstand the sun and heat of summer and will not run to seed so quickly. If well grown with thorough cultivation it is very brittle and crisp and excellent in flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**PRIZE HEAD.**—A rather loose heading variety with dark green leaves, shaded and variegated reddish brown. It is an old variety, but is by far the most desirable of the brown-leaved sorts and ranks well up with the leading varieties in popular favor. Always satisfactory in crispness and flavor. Grows rather open in form and makes large plants. Stands the sun and does not blister, rot or get bitter from weather conditions. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.20.

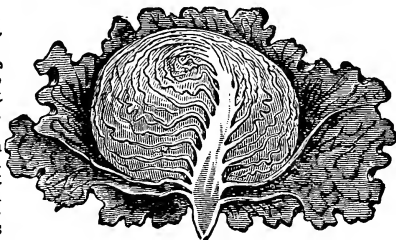
**IMMENSITY.**—The largest of lettuces. Many times producing heads fully a foot and a half in diameter. The heads are quite solid, remarkably crisp and tender, and of fine quality. A splendid sort for open ground culture and main crop growing in spring. Will find ready sale when the market is crowded, simply because of extra size and attractiveness. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

### EVERYBODY'S GARDEN COLLECTION

A bargain collection containing those items that everyone grows and all enjoy.

- 1 Pkt. Dewing's Blood Turnip Beet.
- 1 Pkt. Golden Wax Beans.
- 1 Pkt. Improved Valentine Beans.
- 1 Pkt. Early Curled Simpson Lettuce.
- 1 Pint Yellow Bottom Onion Sets.
- 1 Pkt., Scarlet Globe Radish.
- 1 Pkt. Icicle Radish.
- 1 Pkt. Matchless Tomato.
- 1 Pkt. Snowball Turnip.

ALL POSTPAID FOR ONLY 40 CENTS.



IMPROVED HANSON



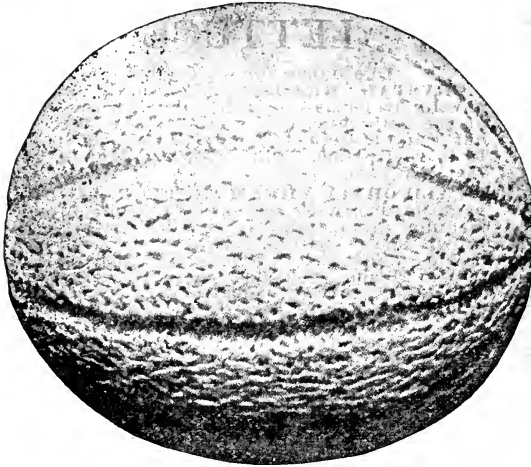
EARLY CURLED SIMPSON

## MUSK MELONS

One ounce to 60 hills; two or three pounds per acre, in hills.

**ROCKY FORD.**—This new variety, which might be described as an improved Netted Gem, has everywhere been in great demand by the high-class hotels and restaurants. Hundreds of carloads of them have been shipped from the little town of Rockyford, Colorado, to Chicago, St. Louis, New Orleans, Philadelphia, Newport, Boston, and other cities, driving out the home grown. The melons are of just the right size for table use, slightly oval in shape. The flesh is thick, of a light green color, and a fine, juicy, luscious flavor. It is very early, and is wonderfully productive. Our stock is grown at Rockyford and is genuine, true to type and carefully selected. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**BURRELL GEM.**—An improved type of Rockyford melon. It is about the same size and outside appearance is similar to that popular variety. We think, however, it is sweeter, with more



CHALLENGE ROCKY FORD

spice, and the flesh is of beautiful rich orange shade, so that when served it presents a most appetizing appearance. These melons sell better in the large markets than the common Rocky Ford, as the bright color of the flesh makes them more attractive for hotels, restaurants and eating places. It is certainly the melon of quality. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**OSAGE.**—One of the best melons on the market for family use and also greatly liked by gardeners. The skin is thin, of dark green color, and slightly netted. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. The seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. All lovers of fine melons should try the Osage. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**EXTRA EARLY HACKENSACK.**—A selection of the popular Hackensack, but quite ten days earlier. Fruit attains a good size, heavily ribbed and netted, thick, light green flesh. This is one of the best of the larger sized musk melons, has been a standard variety for many years and is very popular in the markets of the large eastern cities. Takes first place with the melon growers of New Jersey and the east Maryland coast. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

**PAUL ROSE.**—A hybrid or cross of Netted Gem (Rockyford) and Osage varieties, retaining the best features of both sorts. It has the light salmon flesh of the Osage, together with medium size and heavy thick flesh of that type, and also has the fine netting and luscious flavor of the Rockyford type. It bears the name of the originator, who is known as a producer of fine melons, and by him is considered his best variety. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

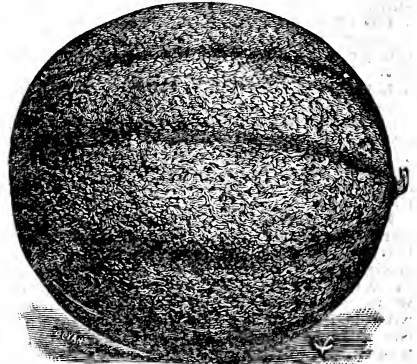
**EMERALD GEM.**—Undoubtedly the finest in flavor and the earliest to ripen, and while too soft to stand shipping any great distance, is unequaled for home use or nearby markets. Vines of strong and vigorous growth; very prolific. Is rather small and flattened at both ends. Emerald green, smooth and free from netting, heavily ribbed, with narrow bands of light green between ribs. Flesh very thick, crystalline appearance, and of rich salmon color. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**BAY VIEW.**—Fruit of largest size, frequently ten or fifteen pounds. Deep ribbed and coarse netted. Best of large, late maturing sorts. Many persons prefer the old form of musk melon which was large and long, and we offer this as the best of the type. It is of good flavor, productive, with firm flesh, and does not rot quickly. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**BANANA.**—An entirely distinct variety, bearing long, slender, banana-like fruit with a flavor and texture all its own. Very much liked by most people. Skin is creamy-white and entirely free from netting. Flesh deep salmon color, thick and of good quality. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 70c; lb., \$2.50.



BANANA MELON



PAUL ROSE

### A FEW REPORTS ABOUT THE GREATER DES MOINES TOMATO.

Topeka, Kan., November 1, 1911.  
I believe the Greater Des Moines Tomato to be the best of the several varieties grown by me this year. Out of four varieties, which included my favorite, the Ponderosa, the Greater Des Moines did the best.—P. H. Forbes.

Eldora, Iowa, November 6, 1911.  
I find the Greater Des Moines Tomato is one of the finest and most prolific I ever raised. We gathered ripe tomatoes from the vines the second week in July and they continued to bear until the frost killed them.—Mrs John Moore.

# WATER MELON

**COLE'S EARLY.**—Decidedly the finest early variety for the private garden, but is too brittle for long shipments. It is very early and will mature farther north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor lusciously sweet and refreshing. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

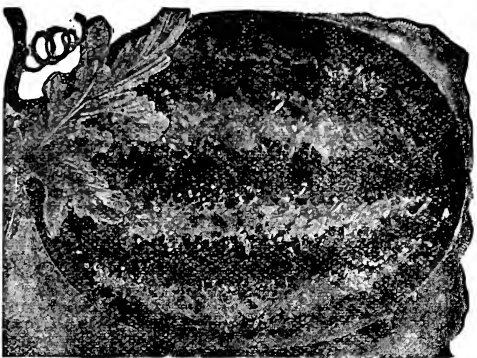
**KOLB'S GEM.**—A standard variety of excellent quality. Grows large, nearly round, beautiful form and color. Dark green with lighter stripes makes it very attractive in appearance. Splendid shipping melon, as it carries a long distance and stands up better than most others. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**TOM WATSON.**—Shape very similar to Kleckley's Sweet, but has as its distinctive feature thick netting over the entire surface. It is a new sort and is very highly recommended by those who have grown it. Ships fully as well as Kolbs Gem and it is claimed to be far superior to that variety in quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.20.

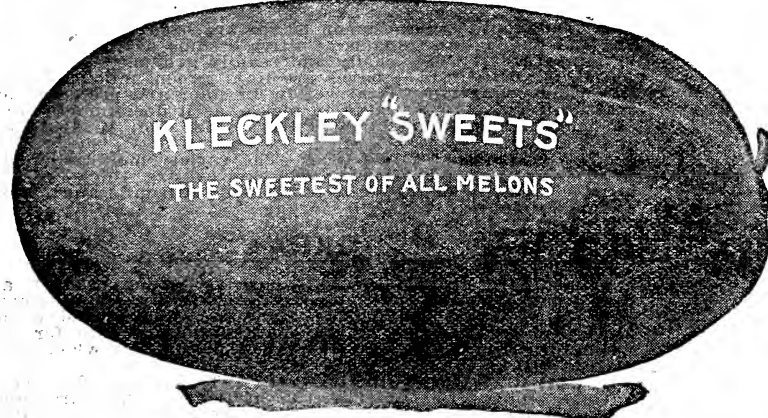
**PHINNEY'S EARLY.**—Few if any of the early sorts of recent introduction surpass this old favorite. It is first to ripen, of good size, and productive; shape, oblong; rind, a distinct mottled color; the flesh is of deep red; a first-class early market melon. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**PEERLESS, OR ICE CREAM.**—The old, but extremely popular home-market melon. There is none better, nor a more handsome melon grown. It is medium in size, almost round, the skin a pale green, slightly mottled, flesh bright scarlet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**KECKLEY'S SWEETS (Monte Cristo).**—We regard this as the



COLE'S EARLY WATERMELON



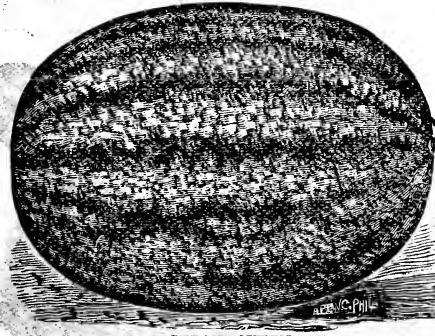
finest of all the medium early watermelons for home use. The rind is too thin and tender to stand long distance shipment. The fruits are uniform in size, oblong in form; the skin is a rich, dark green; the flesh is of bright scarlet, ripening close to the skin; the seeds are close to the rind, leaving a very large, solid, red core, that does not crack open when ripe. The flesh is rich, sugary and melting to the highest degree, being en-

tirely free from stringiness. As before said, we regard it as the finest of all melons for home use. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**SWEETHEART.**—Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Its vines are vigorous and productive, ripening the fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green; rind thin, but firm. The flesh is bright red, firm, solid, but very tender, melting and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**BLACK DIAMOND.**—All that could be

said of the Kolb's Gem as to good shipping qualities can be truthfully stated in a higher degree of the Black Diamond. All the praise of high quality bestowed on the Sweetheart can be repeated of our new melon, but its most prominent point of merit is its large size and productiveness. Its color is a rich, dark green, almost black. Shape, roundish to blunty oval. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



CUBAN QUEEN

**CUBAN QUEEN.**—Fruit large, globular or oval; skin striped light and dark green in sharp contrast; rind medium thick, but stands shipment well. Flesh, bright red, solid, very crisp and sugary. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

**MOUNTAIN SWEET.**—The old standard long striped melon, popular for many years. Very sweet, brittle and of best quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

**RED SEEDED CITRON.**—Round, dark green, striped and mottled with light green. For preserving and stock feed. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

## MUSHROOMS



Mushrooms can be grown in any dark room or cellar where the temperature is kept at 56 to 70 degrees. From some old pasture procure good, rich soil and store it away. To every bushel of this add two bushels of fresh horse manure. Of this well-mixed compound, prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and so on until the bed is twelve to eighteen inches thick. It soon becomes pretty hot, but let the heat recede until it is only 35 to 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil down solid and smooth. Let the bed remain in this condition about twelve days; then cover the bed with two inches of fresh loam and over this put four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect mushrooms. The beds will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water,



and cover with hay as before. The main conditions in mushroom growing are proper and uniform temperature and very rich soil. One pound of spawn is sufficient for a bed 2x6 feet.

**IMPORTED ENGLISH SPAWN.**—Produced by English experts and imported by us for our critical trade. Experience has demonstrated its superiority, as it is from selected and most prolific varieties; has never failed to run. Sold in bricks of about 1 1/4 lbs. in weight at 35c each, 5 for \$1.50. Not prepaid, 10 lbs., \$1.00; 25 lbs., \$2.25; 100 lbs., \$8.00.

## MUSTARD

One ounce sows 75 feet of drill.

Mustard is not only used

as a condiment, but the green leaves are used as a salad, or cut and boiled like spinach. Cultivate same as Curled Cress or Peppergrass. Very easily and readily grown.

**WHITE ENGLISH.**—Leaves are light green, mild and tender when young; seed light yellow in color and preferred by most housewives for mixing in pickle, as it does not discolor so badly as black mustard. Pkt., 5c; oz., 10c; 1/4 lb., 15c; lb., 40c.

**SOUTHERN GIANT CURLED.**—The variety most generally grown for greens or salads. The leaves are thick, nicely crimped and the flavor, while pungent, is still mild and pleasant. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 75c.

## OKRA



PROLIFIC OKRA

To southern people okra is a popular garden product, as they know its uses and value. Extra fine for soups, stews and among boiled vegetables. Pods are to be picked while quite young and tender, as they harden and are unfit for use when full grown. So delicious is the flavor that when once used it will be grown every year.

**PROLIFIC WHITE, OR DENSITY.**—This is a fine new variety, much dwarfier than the ordinary large okra, and much more productive. Short, thick pods. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 80c.

## ONION SETS

Prices in bulk subject to change of market. Deduct 10c per quart from postpaid price if to go by express or freight not prepaid.

**WHITE BOTTOM SETS.**—Produced from our White Silver Skin onion seed sown thickly so that they are small, yet well grown and clean. Pint, 20c; qt., 35c, postpaid. Not prepaid, peck, 90c; bushel, \$3.25.

**RED BOTTOM SETS.**—Produced from Red Wethersfield seed. Pint, 15c; qt., 30c, postpaid. Not prepaid, peck, 90c; bushel, \$3.00.

**YELLOW BOTTOM SETS.**—Produced from Yellow Strasburg seed, which makes the finest yellow set. Pint, 15c; qt., 30c, postpaid. Not prepaid, peck, 90c; bushel, \$3.00.

**RED TOP SETS.**—These are planted to produce both "early green" onions and large eating onions. The sets grow in bunches at the top of the stalk, and are commonly known as "button" onions. Pint, 20c; qt., 35c, postpaid. Not prepaid, peck, \$1.00; bushel, \$3.50.

**WHITE MULTIPLIER.**—Form the first green onions for early spring bunching. Are of a pure, silvery-white color, and enormously productive. These are produced by multiplying during the growing season and the onions come in clusters. Flavor is excellent; mild and do not get strong from long keeping. Pint, 20c; qt., 35c, postpaid. Not prepaid, peck, \$1.25; bu., \$4.25.



# ONIONS

One ounce to 100 feet of drill; 4 pounds per acre.

## GREATER DES MOINES RED GLOBE.

This beautiful strain of Red Globe Onion surpasses all others in earliness, productiveness and long-keeping qualities. We have proved without doubt to some of the largest growers of onions in the country that our Greater Des Moines Red Globe is the most perfect onion in existence. For several years our efforts have been directed toward the improvement of Globe Onions—red and white—having a definite purpose in view—first, to reduce the size of the neck and to cut off the projecting bottom, thus producing a perfectly globe-shaped onion that will mature and ripen down earlier, as well as being of better shape; second, to produce a very long-keeping onion. There has never been a season since growers became acquainted with this variety that our stock has been sufficient to supply the demand. We suggest, therefore, that orders be placed promptly on receipt of this

catalogue. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00; 4 lbs. (for one acre), \$7.00.

**LARGE WHITE GLOBE.**—White onions are generally milder in flavor than the red or yellow, though they will not usually keep so well. This feature, however, can be overcome by careful handling and the extra quality will more than make up for the added trouble. White onions will sell better than colored ones and bring more. Our strain of this variety is the choicest. The seed will produce great, large, fine onions, of beautiful paper-white color, solid and even in size. We consider it the finest white globe strain in existence. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

**EARLY QUEEN (White Barletta).**—A small white variety sown for early bunching and for producing pickling onions. Much quicker to reach marketable size than any other variety and also matures in much less time. We do not recommend them for general crop, as they are too small, but for the uses mentioned they are unequalled by any other onion grown from seed. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**GOLDEN GLOBE.**—The best of the Yellow Globe type. Illustrated in color on back cover, page, and offered in our Novelty Collection. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75; 4 lbs., \$6.40.

**AUSTRALIAN BROWN.**—A new, medium sized, wonderfully hard and solid variety of onion, and one which is quite attractive for the market, both in form and color. They are extremely early in ripening, and produce a crop of fine bulbs which are very uniform in size. Color is a peculiarly clear, amber brown, quite distinct from any other variety. In keeping qualities it exceeds any other variety that we know of. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**WHITE PORTUGAL, OR AMERICAN SILVERSKIN.**—Produces early onion of mild flavor; largely used for growing sets and pickle onions. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

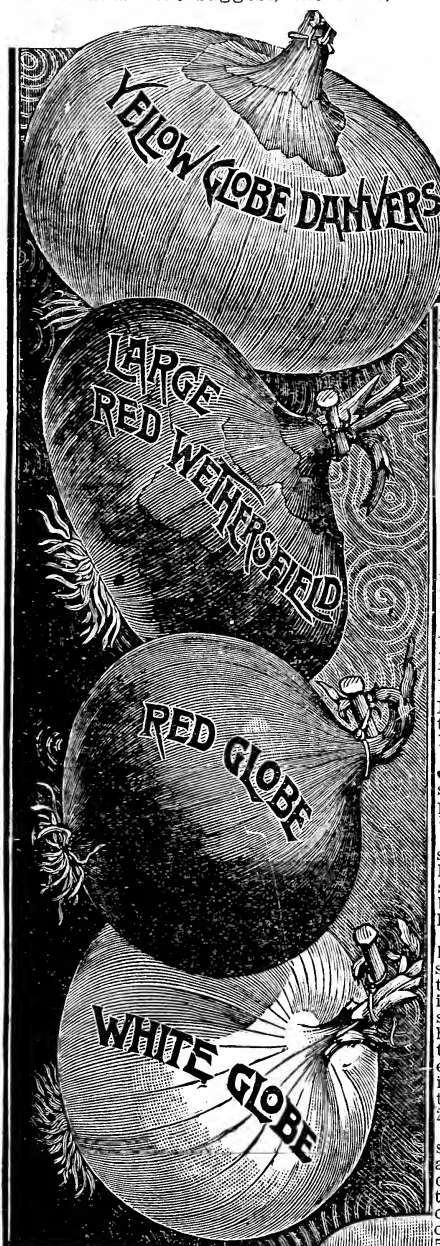
**SOUTHPORT RED GLOBE.**—The standard Red Globe; productive; splendid keeper. Attains great size; quality excellent. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.85.

**LARGE RED WETHERSFIELD.**—The standard red sort; more flattened than the globe shaped varieties, but attains a large size; very popular; a splendid keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**YELLOW GLOBE DANVERS.**—Perfectly globe shaped; heavy cropper; excellent keeper, and large size. Most excellent flavor, mild and sweet. Has yielded by actual test over 1,000 bushels per acre. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.35.

**PRIZE TAKER.**—It is one of the largest, handsomest and most profitable varieties. By sowing early and transplanting, it can be grown to an extraordinary size. The Prize Taker onion is globe shaped, of a clean, bright yellow or straw color; has a small neck and ripens up hard. Keeps well until about midwinter. Flesh thick, white, mild and agreeable in flavor. It is easily grown, medium early in maturing. This is the large yellow variety commonly sold on the markets as "Spanish" onions. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.85.

**MAMMOTH SILVER KING.**—Of attractive shape, with silver-white skin and flesh of most agreeable, mild flavor. Larger size than any other of the flat varieties, often measuring twenty inches in circumference. Must be thinned out to stand five inches apart in the row in order to produce the largest sized onions. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.



## PEAS

One quart will sow about 125 feet of drill; 1½ bushels an acre.

### GREATER DES MOINES. New Sweet Wrinkled, Mammoth Podded Pea.

This splendid pea is of the same large podded type as the Telephone and the Duke of Albany, but the pods are larger and the peas sweeter. Excelling, as it does, in these particulars the two noted sorts mentioned, the Greater Des Moines Pea surpassed all other large-podded varieties in another particular, that of productiveness. In other words, a pint of Greater Des Moines pea pods will yield as many shelled peas as a quart of most other sorts; a bushel, as many as two bushels. Quality is always to be preferred to quantity, but a pea which will give better quality and larger quantity is the pea to plant—that pea is the Greater Des Moines. This pea came to us from Europe, where the pea crop is very short this year, as is, in fact, the case all over the world; therefore, the quantity we offer is limited. On this account we urge early orders and that at least a small quantity of these peas be included with every order as far as possible. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c. Not prepaid, half-peck, \$1.75; peck, \$3.25.

**AMERICAN WONDER.**—Height, 10 in. Seeds, green; wrinkled. Is a great favorite on account of its earliness and excellent quality; is particularly adapted for family use, as it requires no brush or other support. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 70c. Not prepaid, half-peck, \$1.75; peck, \$3.10.

**ALASKA.**—Height, 2½ feet. Seeds blue. Very early and exceedingly uniform in maturing its crop. A great favorite with canners and southern truckers. Pkt., 5c; ½ pt., 20c; pt., 35c; qt., 70c. Not prepaid, half-peck, \$1.50; peck, \$2.75.

**FIRST AND BEST.**—Height, 2½ to 3 feet. Standard, white seeded, extra early, favorably known in all pea trucking centers. Pkt., 5c; ½ pt., 20c; pt., 35c; qt., 65c. Not prepaid, half-peck, \$1.60; peck, \$2.75.

**GRADUS (Prosperity).**—Height, 30 inches. As an extra early pea, the Gradus, being wrinkled, is far superior to all smooth varieties, not only in its delicious quality, but also in the long pods. While the early smooth varieties contain but four or five peas to the pod, the Gradus usually contains eight to twelve. Pkt., 10c; ½ pt., 30c; pt., 55c; qt., 80c. Not prepaid, half-peck, \$2.25; peck, \$4.25.

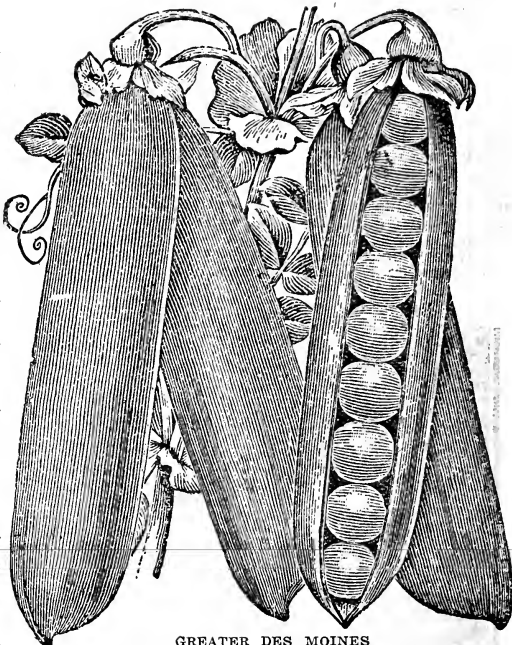
**NOTTS EXCELSIOR.**—Height, 12 inches. Seeds green, wrinkled. Resembles American Wonder, but preferred by many as being a little less dwarf and having larger pods. Quality fine. Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 80c. Not prepaid, half-peck, \$2.00; peck, \$3.75.

**LITTLE GEM.**—Height, 14 inches. Seeds green, wrinkled. Yields profusely. Excellent quality. One of the very best for family use. Remains fit for use longer than the Wonder and Excelsior, and thought by many to be sweeter. Pkt., 5c; ½ pt., 20c; pt., 35c; qt., 70c; Not prepaid, half-peck, \$1.85; peck, \$3.25.

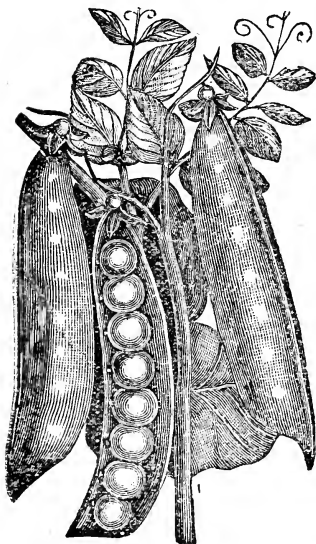
**TELEPHONE, TRUE STOCK.**—Gardeners prefer this pea to any other. Our stock this year has been carefully selected. Vines and leaves are large and coarse. Long, straight pods, filled with large, tender, sweet peas of fine flavor. Pkt., 5c; ½ pt., 20c; pt., 35c; qt., 70c. Not prepaid, half-peck, \$1.75; peck, \$3.25.

**STRATAGEM.**—Vigorous habit, luxuriant foliage. A heavy cropper. A general favorite not only in private gardens, but also for gardeners. Large, handsome pods, well filled. One of the most desirable sorts. Pkt., 5c; ½ pt., 20c; pt., 40c; qt., 75c. Not prepaid, half-peck, \$2.00; peck, \$3.50.

**DWARF WHITE MARROW.**—Much better than the old White Marrowfat. Pods larger, well filled, and of the true marrow flavor. Pkt., 5c; ½ pt., 20c; pt., 30c; qt., 50c. Not prepaid, half-peck, \$1.25; peck, \$2.25.



GREATER DES MOINES



FIRST & BEST

## CROP SHORTAGE THIS SEASON

Several items in the vegetable seed list gave very poor crops this season, but none are so near an absolute failure as Peas. There has been a shortage of this item for three seasons until now it is almost a famine. Prices are unusually high, but we are offering them at retail at the very lowest prices in order to take care of our regular customers as best we may. We fear that our stocks may be exhausted before the end of the season and ask our friends to send in their orders early so that we will not have to disappoint them.

**PARSLEY**

Soak bed for several hours and sow in border or frame. Thin the rows or transplant to another bed. If to be carried late into the fall, set 8 inches both ways, and cover with litter. It will go through the winter with moderate protection. Use one ounce of seed to 150 feet of drill. Make open air sowing in April.

**DOUBLE CURLED.**—The variety so generally popular with hotels and restaurants for serving with meats and to garnish fancy dishes of all kinds. Fine, dwarf, crimped leaves. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**HAMBURG TURNIP ROOTED.**—The part generally used is in the fleshy root, which resembles a small parsnip, and is esteemed for flavoring soups, stews, etc. The flesh is white, a little dry and with the flavor of Celeriac. The foliage is the same as the plain parsley. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.

**PARSNIPS**

**IMPROVED HOLLOW CROWN.**—Don't depend on old parsnip seed for your sowing. It won't grow. This item you have to buy fresh each year, as it loses vitality quickly. Our stock of this old favorite is very smooth and fine. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**IMPROVED TABLE GUERNSEY.**—Roots somewhat shorter but thicker than Hollow Crown. Extra heavy cropper and extra quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.20.



DOUBLE CURLED PARSLEY

**PEPPERS**

One ounce seed to 1,500 plants.

**GOLDEN DAWN.**—Sweet, handsome, yellow. Splendid for mangoes, as it is lighter in color when ready for use than are the red sorts. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

**RUBY KING.**—Beautiful bright red, large fruit, mild, one of the best. Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

**LONG RED CAYENNE.**—Bright red, pods small. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**LARGE BELL, OR BULL NOSE.**—Large and mild, early, favorite sort. Large pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

**CHINESE GIANT.**—The largest of the peppers, the fruits growing to enormous size. Flavor is mild and shape is just right for a market pepper. By far the finest sort for stuffed peppers, as they hold so much more. Flesh is unusually thick, and they are frequently sliced and served as a salad. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.



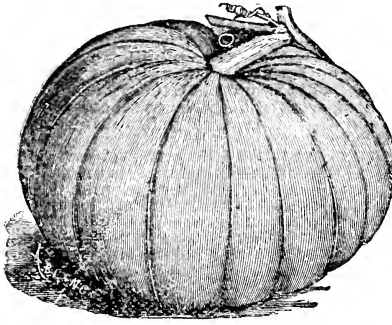
**PEANUTS**

**CHALLENGE RED.**—Peanuts can be successfully grown in almost any place where corn succeeds. Every part of the peanut is useful. They do best on a light sandy soil, but any open soil will do. The ground should be plowed deeply and thoroughly harrowed. Careful tillage is important. All weeds and grass should be killed to give the plants all the food in the soil. The seed peanuts should be carefully hulled to prevent breaking the skin on the kernels. They should be planted in rows two and a half to three feet apart and ten to twelve inches apart in the row. Cover with about two inches of earth. When they are matured, pull them up and expose to the sun for a few days. Large pkt., 10c; lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.00.



## PUMPKINS

One ounce to 15 hills.



KENTUCKY FIELD

largely used for stock for winter feeding and makes splendid pies, though not quite so rich as some of our other varieties. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c, postpaid. Not prepaid, 5 lbs., \$1.40; 10 lbs., \$2.50.

**MAMMOTH PRIZE.**—The king of all pumpkins. Has been known to weigh over 225 pounds. It has a salmon-colored skin, flesh bright yellow, fine grain and of excellent quality, and a splendid keeper. It is truly a colossal variety, and if you wish to astonish your neighbors and win first premium at your county or state fair, do not fail to include a packet of "Mammoth Prize Pumpkin" in your order for other seeds. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.



CONNECTICUT FIELD

in sweetness and fine texture. Customers who know it prefer it to other sorts. It is a splendid keeper and will stand up a long time.

**GOLDEN CUSHAW.**—A golden type of the old-fashioned Jonathan variety, and preferred on account of its attractive color. Shape is long with a crooked neck, which is solid and seedless. It is very popular because there is so little waste when compared with the ordinary round types of pumpkins. Flavor and texture equal to any, and keeps splendidly. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

**WINTER LUXURY (Golden Russet).**—A little beauty. About the size of the small sugar pumpkin, but the skin is russeted and the color is a lighter shade of yellow. Its attractive appearance makes it very desirable for a market sort. It also has quality. Unsurpassed by any variety

### WHAT CUSTOMERS SAY

YOU WILL HAVE EQUALLY GOOD RESULTS WITH OUR SEEDS.

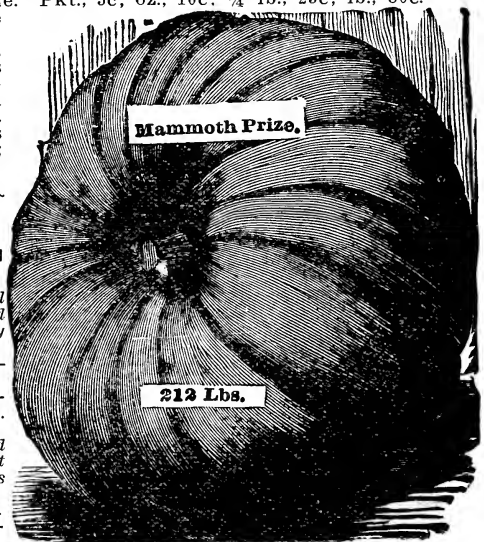
*The Greater Des Moines Tomato proved to be all you claim for it, and all of the seeds I purchased from you grew well. The onion seed did especially well.*—L. B. Cooley, Oklahoma.

*All of the seeds I purchased of you did well.*—Mrs. H. H. Fleener, Iowa.

*All of the seed I got from you did fine. My lettuce, onions and peppers were specially nice.*—I. Bradley, Kansas.

*All the seeds received from you came up and did well. I like the Greater Des Moines Tomato just fine. It did well for me, has a fine flavor and is a good producer.*—Mrs. Fred Fisher, Iowa.

*The plants I purchased from you did very well. The Greater Des Moines Tomato was very good indeed.*—Anna C. Smith, Iowa.





# RADISHES



SCARLET GLOBE

One ounce to 100 feet of drill; 9 or 10 lbs. per acre, in drills.

**EARLY BIRD.**—The earliest of all round red radishes. Really wonderful how quick it matures; illustrated and listed on back cover of the catalogue in the Novelty Collection. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.

**CRIMSON GIANT FORCING.**—A variety extraordinary in that, while growing to an unusually large size, it is always tender, crisp and of mild flavor. It remains in perfect condition a remarkably long time, and, unlike other forcing varieties, does not become pithy even when twice their size in diameter. Root turnip shaped, color a beautiful crimson carmine; flesh firm, crisp and tender. While a very desirable early forcing variety, we specially recommend it for outdoor planting. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**EARLY SCARLET TURNIP, WHITE TIPPED.**—We have a very clean and beautiful strain of this popular sort. It is extremely early and is largely used both for growing under glass and outdoors. One of the most attractive radishes for the table. Large pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**ROSY GEM.**—The handsomest of white-tipped round radishes. Quick grower, very early, small top and splendid quality. We offer it specially in the Capital Vegetable Collection on the back cover page of this book. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**EARLY WHITE TURNIP.**—A medium sized variety, grown very largely for summer use. It takes about 30 days to mature and remains fit for use a long time after reaching edible size. Large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**EARLY SCARLET GLOBE.**—Fine for forcing or open ground. The shape is a little longer than round, and the color, which it holds long after pulling, is very brilliant and attractive. Large pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**FRENCH BREAKFAST.**—A great favorite. Beautiful bright scarlet, with pure white tip. Oval in shape; fine for open ground or forcing. Large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

**ICICLE.**—A splendid long variety of almost transparent whiteness. Produces nice roots in twenty-two days from 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. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**WHITE STRASBURG.**—Of a handsome, oblong, tapering shape, both skin and flesh are pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**LONG WHITE VIENNA, OR LADY FINGER.**—Pure white in color, of long, tapering shape, very attractive in appearance; sweet, mild and delicious. Large pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**LONG SCARLET SHORT TOP.**—A standard popular sort. Grows to six inches in length, matures quickly and can be used before it is fully grown. Large pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**CHARTIER, OR SHEPHERD.**—The largest and handsomest summer sort. The color at the top is of vivid crimson, fading gradually to pure white at tip. Is delicious in flavor, resists drouth effectively. Large pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

## WINTER RADISHES.

Sow about the same as winter turnips.

The radishes must be taken up before severe frosts and stored in a cool cellar and covered with earth. Put them in cold water an hour before using. Every family should raise a supply of winter radishes.

**CHINA ROSE.**—Bright rose color; flesh firm and piquant; oblong in shape; one of the best for winter use. Large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**LONG BLACK SPANISH.**—One of the largest and best for winter use. Large pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**CELESTIAL or All Seasons.**—A large white radish for late summer and fall. It is in our opinion the best of the late radishes. Quality excellent and very productive. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

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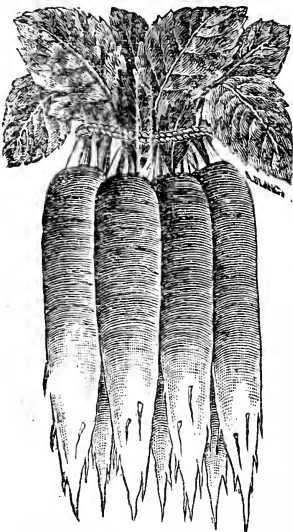
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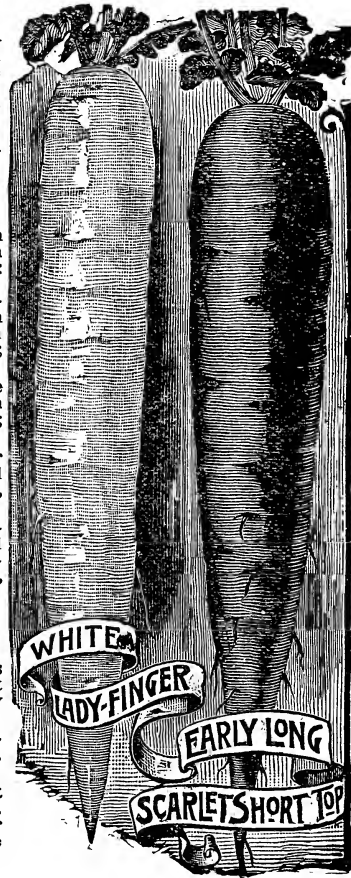
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**CELESTIAL or All Seasons.**—A large white radish for late summer and fall. It is in our opinion the best of the late radishes. Quality excellent and very productive. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



CHARTIER



**SALSIFY OR VEGETABLE OYSTER**

One ounce for 60 ft. of drill.

**MAMMOTH SANDWICH ISLAND.**—This new Salsify, recently introduced from the Sandwich Islands, grows fully double the size of the common variety, and is superior in quality. It is pure white in color, and is invaluable to market gardeners. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.25.

**SPINACH**

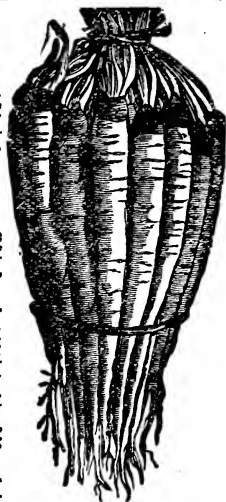
One ounce to 100 ft. of drill; 10 to 12 lbs. in drills per acre.

**BLOOMSDALE, OR SAVGY LEAVED.**—Standard sort. It grows quickly to suitable size for use, but soon goes to seed. It is one of the hardiest varieties. Quality is excellent. Large

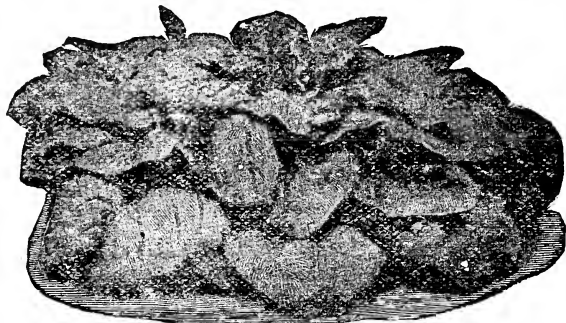
pkt., 5c;  $\frac{1}{4}$  lb., 20c; lb., 35c.

**LONG STANDING.**—Round, thick leaved; stands longest without running to seed. Best for family use. Large pkt., 5c;  $\frac{1}{4}$  lb., 20c; lb., 35c.

Either variety, not prepaid, 5 lbs., \$1.



MAMMOTH SANDWICH ISLAND SALSIFY



LONG STANDING SPINACH

**SQUASH**

One ounce for 50 hills, 4 to 6 lbs. per acre, in drills.

**WHITE BUSH SCALLOPED.**—Earlier than any other variety, of on the ground than any other. Pkt.,

dwarf habit, and productive, and occupies less room

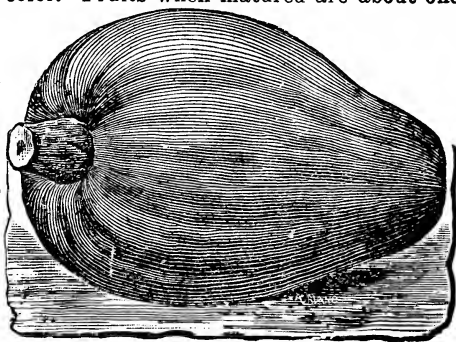
**GOLDEN SUMMER CROOK NECK.**—Early and prolific. The fruits are of the true crook-neck type, heavily warted, and of light golden color. Fruits when matured are about one foot long. One of the most popular sorts for home and market. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 95c.

**PERFECT GEM.**—Is a strong grower, as many as twenty-four squashes having been produced on a single vine. Squashes are from 4 to 6 inches in diameter; of a creamy white, with thin, smooth shell, slightly ribbed. Flesh when cooked is dry, sweet and rich in flavor. It is a splendid keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**CHICAGO WARTED HUBBARD.**—Is similar in size and quality to the Hubbard. The vines are vigorous and productive, while the large, dark olive-green fruits are rather more heavily warted. Very handsome in appearance; an excellent keeper and of splendid quality. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**GREGORY'S DELICIOUS.**—Mr. Gregory, the originator of the Hubbard squash, writes us that this new variety of his in dryness, sweetness and richness of flavor, surpasses all other squashes. The shell is green in color, the flesh of a rich orange. An excellent winter keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**HUBBARD.**—The great popularity of the Hubbard has led us to pay particular attention to our stock of this important sort. It is hardly necessary to say that the Hubbard is the standard sort, not only as a long keeper, but on account of its quality, which is unsurpassed. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

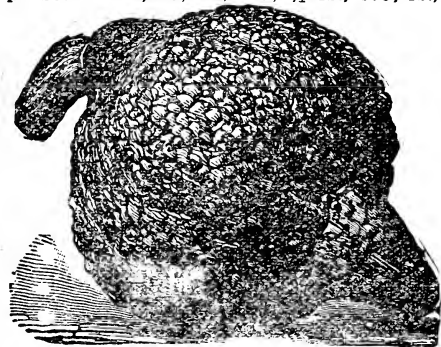


SIBLEY SQUASH

**SIBLEY, OR PIKE'S PEAK.**—We consider this one of the very best winter varieties. It has the reputation of being the only variety surpassing the Hubbard in quality. Has large oval fruits tapering at the blossom end. Shell hard, dark olive green color. Flesh light orange color, of the very best quality. Vines of strong growth and very productive. Seed has been scarce for several years past, but we now have a good supply. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**BOSTON MARROW.**—Second early, coming in about ten days after the bush sorts. Skin yellowish, very thin; flesh dry and fine grained, and of unsurpassed flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

**MAMMOTH CHILI.**—Attains enormous size, often reaching a weight of 200 lbs. Despite its size, its flesh is rich and fine flavored. It is especially desirable for stock feeding and exhibition purposes. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.20.



WARTED HUBBARD SQUASH

# TOMATOES

One ounce to 1,500 plants;  $\frac{1}{4}$  lb. to transplant an acre.

**SPARKS' EARLIANA.**—Is as near seedless as any tomato we ever saw, containing less than one-fourth the seeds of other varieties, and for this reason the genuine seed can never be sold at a low price. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00.

**STONE.**—Its solidity and carrying qualities are far in advance of any other sort now known. Its color is a rich red; shape perfectly smooth and thicker from stem to blossom end than most varieties, making it very handsome and salable. While in every particular this tomato is especially good, its leading characteristic is its remarkable solidity, which places it in this respect far ahead of any other sort. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**PONDEROSA.**—This is the largest fruited tomato and is of fine quality for slicing. The vines are of strong growth; fruits oblong in form, deep through, and generally ridged or ribbed; deep purple in color. They are solidly fleshy with small seed cells; of fine flavor. Planted in good soil, fruits frequently attain a weight of one pound or more. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**CRIMSON CUSHION.**—A continuous and late fruiter. Of immense size, often weighing a pound, and smooth as an apple. Ripens thoroughly all over. Nearly round and of very good quality, being free from acid taste; color, bright scarlet. Nearly seedless and as solid as beefsteak. A prodigious bearer. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**GREATER DES MOINES.**—Our own magnificent large tomato which we are making our leader, and offering as special on the back page of the cover of the catalogue. Color shown in the lithograph and included in our Novelty Collection. See page 65. Pkt., 15c; oz., 75c.

**MATCHLESS.**—This great tomato is well named. The color is a rich, cardinal red. The skin is so tough that it is a splendid keeper and shipper, and is less liable to crack in wet weather than any other large tomato. Unsurpassed for market or for table. The plant is a strong grower, and is very productive. The fruit is free from core, and the seed spaces are small. The leaves are of a rich, dark green color, and very luxuriant, indicating great vigor, and giving the plant ability to produce fruit of the largest size throughout the entire season. It stands at the front as a large, bright red, main crop sort, and we can safely highly recommend it to all our friends, and especially to those who are running market gardens. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**JUNE PINK.**—This may briefly be described as a pink Sparks' Earliana. About ten days earlier than most of the early sorts. Fruits medium size, smooth, without cracks or green core. Skin is tough, thus making it a good shipper. Color is bright pink. Pkt., 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**PERFECTION.**—This is shaped like the Acme, but is larger, fully as early, perfectly smooth, blood red in color, very solid, and a heavy cropper. It is one of the first of the large, smooth varieties and it still retains a place among standard varieties of merit. Constant selection and careful breeding for many years have brought it up in quality, and we really think it is the equal of any of the newer sorts as a main crop tomato. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

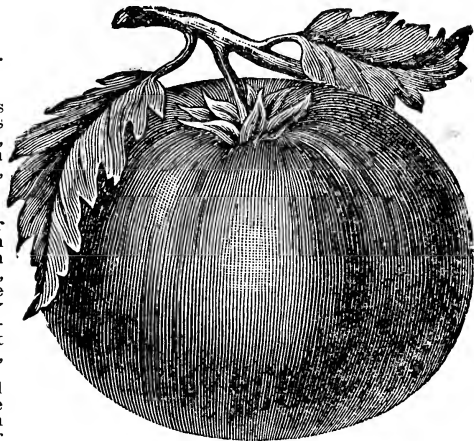
**FAVORITE.**—Ripens evenly and early; holds its size to the end of the season; free from cracks, and does not rot at the blossom end; very prolific, good flavor, few seeds, flesh solid; bears shipping long distances. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

**DWARF CHAMPION.**—Leads all others in productiveness; foliage very distinct; pulplish pink; flesh solid; early; fine quality; may be planted 3x3 feet or even more closely. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

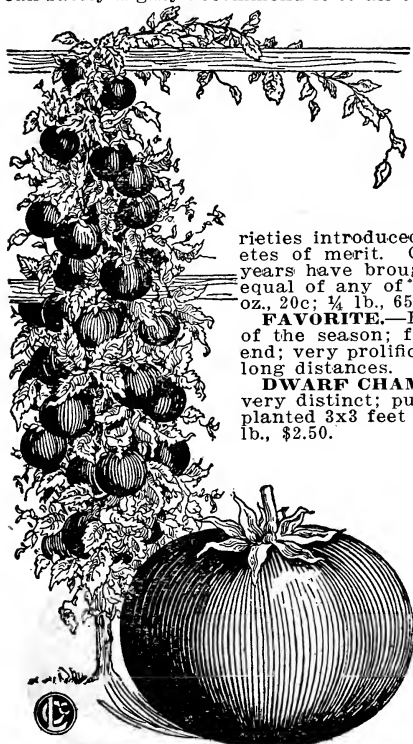
**BEAUTY.**—A decided favorite for either home market or shipping purposes, being early, hardy, a strong grower, productive, large size, always smooth, perfect in shape and excellent in quality. The color is very glossy crimson with a tinge of purple. It grows in clusters of four to six large fruits, retaining its large size late in the season. It ripens with Acme and Perfection, and is entirely free from ribbed and elongated fruit. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**GOLDEN QUEEN.**—Some persons do not care for yellow tomatoes, yet they will appeal to those who desire to have color in table effects, as when sliced they contrast nicely with the red sorts. This variety is of bright lemon yellow color, large, smooth and among the best of the large yellow varieties. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

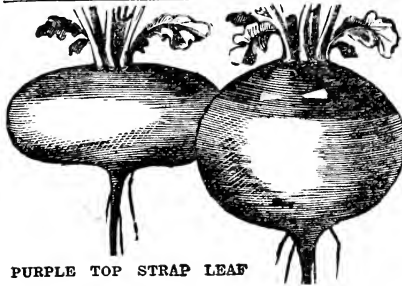
**YELLOW PEAR.**—Fruits are yellow, pear-shaped, growing in clusters. Excellent. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 75c.



THE STONE TOMATO



MATCHLESS TOMATO



PURPLE TOP STRAP LEAF

PURPLE TOP GLOBE

It is a very popular sort for either table use or for market; grows quickly, comes early; clear white skin and flesh of juicy, mild flavor and excellent quality; produces bulbs entirely free from small roots. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**WHITE EGG TURNIP.**—A quick grower; a grand, good keeper; excellent either as an early or late variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**PURPLE TOP WHITE GLOBE.**—Of a perfect globe shape, about six inches in diameter, with smooth skin two-thirds white with purple top, flesh pure white and crisp, of quick growth. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

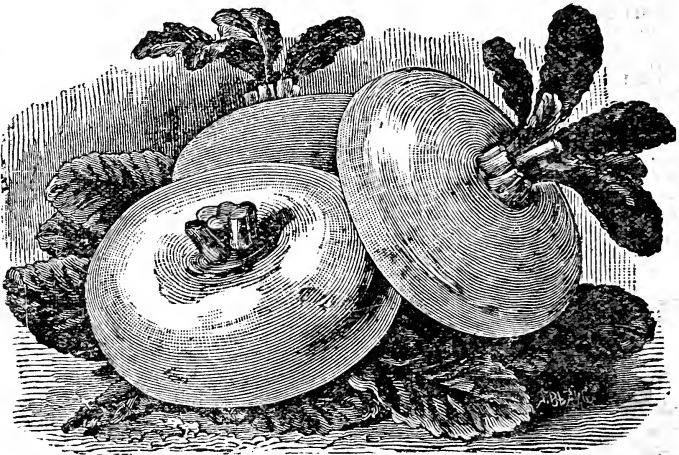
**GOLDEN BALL, OR ORANGE JELLY.**—A very beautiful and bright yellow turnip, of medium size and universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Brings a good price on the market. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

## RUTA BAGA

**PRIZE WINNER.**—This is a purple top, yellow flesh variety. The roots reach to a good size and are exceedingly uniform in appearance. The Prize Winner is an all around Ruta Baga, suited to every purpose and every soil. We do not hesitate to say that in the Prize Winner we possess the handsomest and most productive stock of purple top Ruta Baga known to the trade. We have sold many pounds of this magnificent strain and have never received one complaint about them. Large pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



TOBACCO



NIMBLE DICK.

## TOBACCO

Tobacco is looked upon generally as a distinctive southern crop, but this is an error and a great deal is now being produced successfully in the northern states.

**CONNECTICUT SEED LEAF.**—Grown over a wider range of territory than any other sort. It is well adapted to this climate and largely grown for cigar fillers. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**WHITE BURLEY.**—The variety most largely grown in the South and the most popular market variety with manufacturers, as it is used for all the various processes with the best results; a splendid, vigorous grower and heavy yielder. Pkt., 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25.

## VINE PEACH

Also listed by seedsmen as Melon Peach and Mango Melon. Grows on a vine somewhat similar to the muskmelon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color, somewhat russeted. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup present a beautiful and tempting appearance. In general the methods used in making melon preserves or pickles will be found adapted to the use of this fruit. Where fruit is scarce, they are becoming popular, as they are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach, except that they are not usually liked raw. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.





## VEGETABLE PLANTS

They can be shipped fresh, well packed at the beds, on a day's notice. 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. Early orders filled soon as plants are ready.

**CABBAGE PLANTS.—Early Varieties.**—Ready by April 10th. Jersey Wakefield and Early Spring. Mail, 25 for 35c; 100, \$1.00; by express, 100, 85c; 1,000, \$7.50.

**CABBAGE PLANTS.—Late Varieties.**—Ready May 15th. Surehead, Premium Flat Dutch and Drumhead. Mail, 25 for 25c; 100, 65c; by express, 100, 45c; 1,000, \$3.50.

**CAULIFLOWER PLANTS.**—Ready April 15th. Henderson's Snowball. By mail, doz., 25c; 100, \$1.50; by express, 100, \$1.25; 1,000, \$10.00.

**CELERY PLANTS.**—Ready May 1st. White Plume and Golden Self-Blanching. Mail, doz., 20c; 100, 75c; express, 100, 60c; 1,000, \$4.50. Outdoor grown, after June 15th, by express, 100, 40c; 1,000, \$3.00.

**EGG PLANTS.**—Ready May 1st. New York Spineless. Mail, doz., 25c; 100, \$1.25; by express, 100, \$1.00.

**PEPPER PLANTS.**—Ready May 1st. Ruby King and Large Bell. By mail, doz., 25c; 100, \$1.25; by express, 100, \$1.00; 1,000, \$7.50.

**TOMATO PLANTS.**—Ready May 1st. Strong transplanted plants: Earliana, Dwarf Champion, Beauty, Matchless. By mail, doz., 25c; 100, \$1.40; by express, 100, \$1.20; 1,000, \$7.50. Not transplanted, by express, 100, 75c; 1,000, \$5.00.

**GROUND CHERRY.**—Ready May 15th. Improved Yellow. By mail, doz., 25c; 100, \$1.25; by express, 100 for \$1.00.

**SWEET POTATO PLANTS.**—Ready May 1st. Plants strong and vigorous, well rooted, hardy. Can furnish either the Yellow Nansemond or Early Yellow Jersey. Write if you want a large lot. Prices vary. By mail, 100, 60c; by express at purchaser's express, 100, 45c; 1,000, \$3.25.

## GARDEN PLANTS

### RHUBARB ROOTS.

**MAMMOTH.**—The largest and best. Strong roots 25c each; doz., \$2.00, postpaid. By express, not prepaid, per doz., \$1.50.

**LEMON MINT.**—Also called Citronelle and Bergamot Mint. A perennial, hardy herb, the leaves of which furnish a sweet lemon fragrance and flavor. Each, 10c;

**LAVENDER.**—A favorite plant for perfume. Each, 10c; 3 for 25c.

**PEPPERMINT.**—Has high medicinal value. Each, 10c; 3 for 25c; doz., 75c.

**SPEARMINT.**—Is commonly called Mint and immense quantities of it is sold annually in cities for flavoring salads, garnishing meats, mint julep, etc. Each, 10c; 3 for 25c; doz., 75c.

**TARRAGON.**—Appreciated thoroughly by all who know it, for use of its aromatic leaves in seasoning salads, soups, pickles, etc. Each, 15c; 3 for 40c; doz., \$1.25.



HORSE RADISH SETS

**CHIVES.**—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. Plant in small clumps in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots per bunch, 15c; 3 for 35c; doz., \$1.00.

**GARLIC.**—Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. Pungent, used for flavoring soups, stews, etc. Per lb., 40c, postpaid. By express, lb., 25c; 10 lbs., \$2.25.

**HORSE RADISH.**—Plant the sets small end down in rows 2 feet apart, about 18 inches apart in the row in rich, loose soil, covered about 2 or 3 inches. Doz., 15c; 100, 75c, postpaid. By express, per 100, 50c; 1,000 for \$4.

### ASPARAGUS ROOTS.

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.

**CONOVER'S COLOSSAL.**—One year plants.—Doz., 25c; 100 for 90c, postpaid. By express or freight, not prepaid, 100 for 60c, 1,000 for \$4.00.

**Two-year plants.**—Per doz., 50c; 100 for \$1.40, postpaid. By express or freight, not prepaid, 100 for 90c, 1,000 for \$6.00.

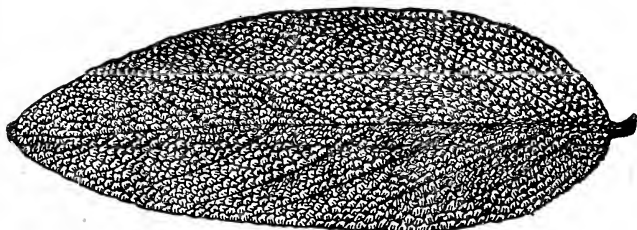
**PALMETTO.**—One year plants.—Per doz., 30c; 100 for \$1.00, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for \$5.00.

**Two-year plants.**—Per doz., 55c; 100 for \$1.50, postpaid. By express or freight, not prepaid, 100 for \$1.00, 1,000 for \$6.50.

**HOP ROOTS.**—A fine variety of commercial hops. Vines are ornamental with the added value from crop produced. Each, 15c; 3 for 25c; doz., \$1.00.

### HOLT'S MAMMOTH SAGE.

—Great improvement on common sage. Plants very strong growing, first season attaining one foot in height, and so spreading that a single plant covers three feet in diameter; leaves borne well above soil; 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; hardy. Each, 10c; 3 for 25c; doz., 75c.



MAMMOTH SAGE LEAF

# Challenge Farm Seeds



MEDIUM RED  
CLOVER

## Alfalfa Clover

This is becoming very popular in Iowa and the eastern middle states, while it is by far the principal grass crop west of the Missouri river. It is a most valuable forage plant for permanent meadows and pastures as it will make three to six crops of hay per year in good seasons. Like our clovers, it builds up the fertility of the soil, and we carry both a Challenge and a Staple grade, priced according to quality. Ask for samples and prices. By mail, postpaid, lb., 40c; 3 lbs. for \$1.10.

## Alsike Clover

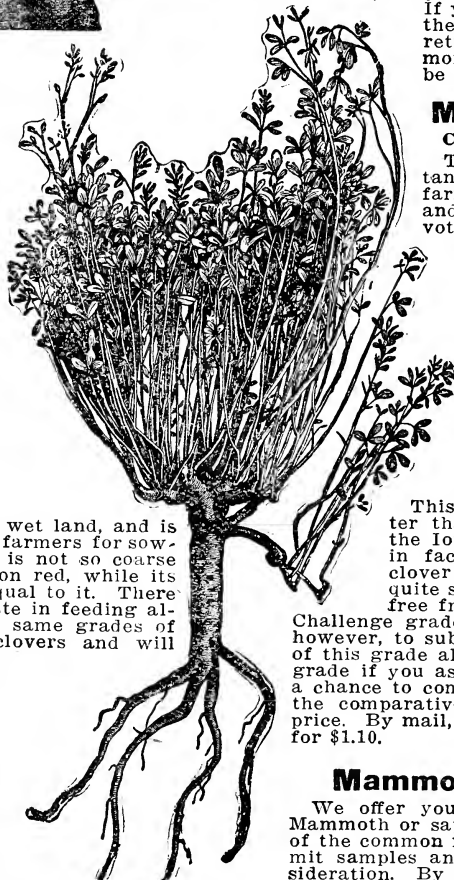
This is the clover for wet land, and is also preferred by many farmers for sowing with timothy, as it is not so coarse in growth as the common red, while its feeding value is fully equal to it. There is comparatively no waste in feeding alsike hay. We offer the same grades of this as of our other clovers and will mail samples and name prices as wanted. By mail, postpaid, lb., 40c; 3 lbs. for \$1.10.

## WHITE DUTCH CLOVER.

A good clover for lawns and bees. By mail, postpaid, lb., 70c; 3 lbs. for \$2.00.

## SWEET OR BOKHARA CLOVER.

Quantity price on application. By mail postpaid, lb., 46c; 3 lbs., \$1.10.



ALFALFA PLANT

We give special attention to this department of our business, and are in position to supply you with varieties of grain that have proven to be best by field trials, not tested plots. We shall give you grass seeds of quality only. We shall handle no grass seeds that do not fully meet all the requirements of the Iowa Pure Seed Law, and our Challenge Grades will be very much superior to even that high standard.

**PRICE IS SUBJECT TO CHANGE.**—Markets on grain and grass seed change constantly and in our Farm Seed Department prices are quoted subject to change of price without notice. Should change occur, however, you will be notified before shipment.

**PRICES ARE NOT PREPAID.**—The pound prices include prepayment of seeds so quoted, the larger quantities are to go by express or freight not prepaid.

**NO CHARGE FOR BAGS.**—The prices quoted include payment for bags to ship in and for delivery to the freight depots in Des Moines.

**NO WARRANTY IS GIVEN.**—All seeds which we send out are tested for vitality and purity, and we have full confidence in them, but we went it distinctly understood that we give no warranty, express or implied, as to description, quality or productiveness, or any other matter, of any seeds, bulbs or plants we sent out, and we will not be in any way responsible for the crop.

If you do not want seed on these terms, they may be returned to us at once and money paid for them will be promptly refunded.

## Med. Red Clover

### CHALLENGE GRADE.

This is the most important item for the western farmer in our entire stock, and is one to which we devote extreme care in cleaning, handling and shipping, and our Challenge grade is so extra choice that we urge our farmer friends to send for a sample and prices, as we cannot make a price in this catalogue, owing to the constant change in value which occurs almost daily. By mail, postpaid, lb., 40c; 3 lbs. for \$1.10.

### STAPLE GRADE.

This grade of seed is better than the requirements of the Iowa Pure Seed Law, and in fact is better than most clover seed sold, but is not quite so bright in color, nor so free from impurities as is our Challenge grade. We will be pleased, however, to submit samples and prices of this grade along with the Challenge grade if you ask us to do so. We ask a chance to compete for your trade on the comparative basis of quality and price. By mail, postpaid, lb., 40c; 3 lbs. for \$1.10.

## Mammoth Red Clover

We offer you the same grades of Mammoth or sapling clover that we do of the common red clover and will submit samples and prices for your consideration. By mail, postpaid, lb., 40c; 3 lbs. for \$1.10.

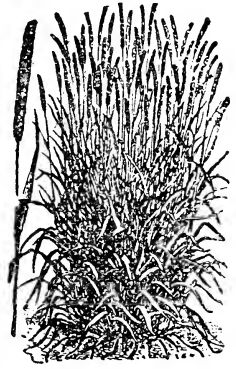
## CHALLENGE GRASS SEEDS

We take as much care in the selection and quality of our grass seeds as we do of clover. You need not hesitate to order from us because if the seed don't suit you when it arrives, send it back and we will return your money.

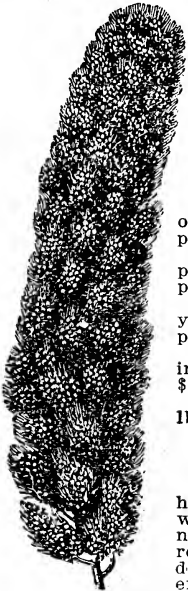
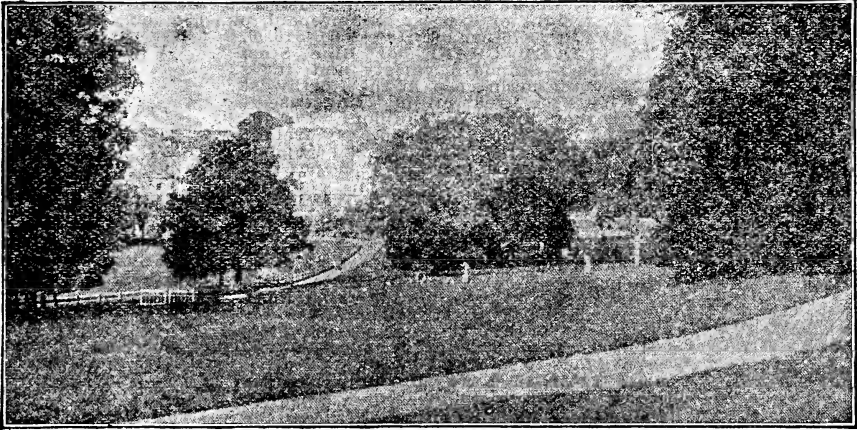
**TIMOTHY.**—The most important of all grasses. We sell two grades, "Challenge" and "Staple," and the price is according to quality supplied. Timothy is scarce and high in price this season, and there is an element of uncertainty about it that makes it impossible for us to name a specific price, but when you are ready to buy, let us know and we will send samples and prices. By mail, postpaid, lb., 30c; 3 lbs., 75c.

**KENTUCKY BLUE GRASS.**—Our grade of Kentucky Blue Grass is fancy cleaned, new crop, Kentucky grown, and is plump, bright seed, and better both in purity and vitality than the blue grass seed commonly sold. It is by far the best of all grasses for lawns and make a permanent pasture of finest quality. By mail, postpaid, lb., 45c; 3 lbs. for \$1.25. Not prepaid, per bushel (14 lbs.), \$4.50; 5 bushels for \$22.00.

**ORCHARD GRASS.**—A valuable grass for pasture or hay land, and on account of its earliness very valuable for permanent pastures. It furnishes the first green bite in the spring and the last in the fall, and is quick to recover from close cropping, and even thrives better the more it is cropped. Suited to shady places, orchards and groves. Sow 15 lbs. per acre. Per lb., 40c; 3 lbs., \$1.10 postpaid. By frt., bu. (14 lbs.), \$3.75; 5 bushel or more at \$3.60 per bu.



TIMOTHY



**CHALLENGE LAWN GRASS.**—Many customers want a lawn grass that will keep green during July and August when blue grass is dormant. If you have plenty of water and method of applying it you can keep blue grass growing all the time, but unless you can do this it will stand still, turn brown and dull, and look poor during the latter part of summer. To avoid this we have made a mixture of seeds of different lawn grasses which will make a green lawn from early spring until the ground freezes for winter, and offer it to you under the name of **Challenge Lawn Grass**. It is not expensive, and will supply a dense green turf that will make the lawn a thing of beauty at all times. Use 1 lb. to each 20 ft. square. By mail, postpaid, lb., 50c; 3 lbs., \$1.35. Not prepaid, per bu. (15 lbs.), \$4.75.

**RED TOP.**—A very hardy native perennial grass which succeeds best on moist land. Fancy cleaned or solid seed. Per lb., 40c; 3 lbs., \$1.00, postpaid. By freight, per bu. (14 lbs.), \$3.50; 5 bu. or more at \$3.35 per bu.

**PERENNIAL RYE GRASS.**—Or English Rye Grass.—Well adapted for permanent meadows. Sows 20 lbs. per acre. Per lb., 30c; 3 lbs., 75c, postpaid. By freight, bu. (14 lbs.), \$1.85; 5 bu. or more at \$1.70.

**ITALIAN RYE GRASS.**—Annual variety; will give a large crop first year. Sow 20 lbs. per acre. Per lb., 30c; 3 lbs., 75c, postpaid. By freight, per bu. (14 lbs.), \$1.85; 5 bu. or more at \$1.70 per bu.

**SWEET VERNAL.**—Valuable on account of delicious perfume; when included in hay its aroma is imparted to other grasses. Per lb., 35c; 3 lbs., \$1.00. By freight, bu. (14 lbs.), \$3.25; 5 bu. or more at \$3.10 per bu.

**RHODE ISLAND BENT.**—Used for particularly close, heavy turf. Per lb., 60c; 3 lbs., \$1.50, postpaid. By freight, bu. (14 lbs.), \$4.40.

## MILLET

The millets are of wonderful value to farmers generally. You don't have to sow them until June or July and by that time you can know whether you are going to have hay enough for your needs. There is nothing that you can sow so late and make a crop of hay, and for this reason nearly every farmer can use more or less millet seed, and the demand is enormous every year. We cannot make a price that will govern the entire season. When ready to buy ask for prices. We can supply any kind,

# Challenge Seed Grains

In this line we handle only the best grade of seed grains. The only way to improve your grain crops is to sow heavy, well-ripened, plump seed, unmixed and pure bred, and these requirements are all met in the quality we supply. You have to be very careful about your own grain. The threshermen are very apt to leave you with oats in your wheat, rye in the oats, or a dozen different mixtures in the grain they thresh for you, and you can't separate them. We won't sell you that kind. Ours will be pure, free from mixture, from fields of highest yield, and while they will cost a trifle more, they are really worth four times the price of ordinary grain for seeding purposes.

## SEED WHEAT

Sow wheat; sow spring wheat, sow winter wheat, sow macaroni wheat. Sow any kind that meets your needs and conditions. All wheat is profitable now. Will yield more dollars per acre than oats or corn, and is fine as a nurse crop for grass seeds.

**EARLY JAVA WHEAT.**—For several years past this has given far better satisfaction in central Iowa than any other variety and wherever introduced it is driving all other sorts out. The growers are delighted with it. Ten days earlier than Velvet Chaff or other standard sorts, and escapes the extreme hot weather so injurious to small grain. Yields in this locality ordinarily about 35 bu. per acre. Per lb., 25c; 3 lbs., 60c, postpaid. By freight or express, not prepaid, pk., 65c; bu., \$1.85; 2 bu. or more at \$1.75 per bu.; 10 bu. for \$16.00.

**VELVET CHAFF, or Blue Stem Wheat.**—Standard variety and it is now the main crop in the Northwest where the great milling kings use it for their highest grade flour. Per lb., 25c; 3 lbs., 60c, postpaid. By freight or express, not prepaid, pk., 65c; bu., \$1.75; 2 bu. or more at \$1.65 per bu.; 10 bu., \$15.00.

**CHALLENGE WINTER WHEAT.**—(Selected Turkish Red)—The best in all respects of any winter wheat. We recommend it without reservation. Many crops are reported of 35 to 45 bushels. Everyone is delighted with it. Ask for price in the fall. Price by mail, per lb., 25c; 3 lbs., 60c. By freight or express, not prepaid, pk., 60c; bu., \$1.60; 2 bu. or more at \$1.50 per bu.; 10 bu. for \$14.50.

**MACARONI, or Durum Wheat.**—(Kubanka)—Per lb., 25c; 3 lbs., 60c, postpaid. By freight or express, not prepaid, pk., 65c; bu., \$1.85; 2 bu. or more at \$1.75 per bu.; 10 bu. for \$16.00.

## SEED OATS

Change your seed oats. Get a fresh start of a thoroughbred variety, which is pure and unmixed and grown in Iowa, the center of oats production in the United States. The best authorities agree that Iowa oats are the best in the country for seed purposes. We have as good as can be found in Iowa and so if you buy of us you will get the best to be had.

**SWEDISH SELECT.**—Distributed by the U. S. Department of Agriculture and very highly recommended by them. It warrants the praise bestowed upon it, and is really a very valuable variety. Grain is usually very heavy and plump. Pk., 40c; bu., \$1.20; 3 bu. or more at \$1.10 per bu.; 10 bu., \$10.50; 25 bu., \$25.00.

**EARLY CHAMPION.**—This variety has comparatively short straw, matures a week to ten days earlier than other kinds, largely escaping the liability of rust. Its greatest value lies in its adaptability as a nurse crop to grow with grass seed, as it does not stool freely as some other sorts. It will not lodge on rich land. Pk., 35c; bu., \$1.20; 3 bu. or more at \$1.10 per bu.; 10 bu., \$10.50; 25 bu. or more at \$1.00 per bu.

**SILVER MINE.**—A popular variety in some sections; has the reputation of yielding immense crops of 100 to 160 bu. per acre. The grain is usually large, plump and heavy, but has a reasonably thin hull. It is quite a hardy, vigorous variety and has greatly pleased our customers. It stands up well and has shown little tendency to rust or lodge unless soil was very rich. Pk., 35c; bu., \$1.20; 3 bu. or more at \$1.10; 10 bu., \$10.50; 25 bu., \$25.00.

**LINCOLN.**—One of the very best and most popular varieties, frequently yielding over 100 bushels per acre. On account of its soft nib, and heavy meat and thin hull it is unsurpassed for feeding or making into oatmeal. Pk., 40c; bu., \$1.20; 3 bu. or more at \$1.10; 10 bu., \$10.50; 25 bu., \$25.00.



EARLY JAVA WHEAT



EARLY CHAMPION OATS



**SEED BARLEY**

BEARDLESS BARLEY

farm crops. Pkt., 5c; lb., 25c; 3 lbs., 60c, postpaid. By freight, pk., 60c; bu., \$1.90; 2 bu. or more at \$1.80; 10 bu. or more at \$1.75 per bu.

**CHALLENGE WINTER.**—We consider Winter Rye one of the most important of all farm crops. It is usually sown in the fall, and as it grows very vigorously, will furnish pasture till late in the fall and also early in the spring before other grasses have made a growth. If sown early in the spring it makes an early and abundant pasture, but makes no grain crop. Our Challenge Rye is of extra quality. Pk., 50c; bu., \$1.50; 2 bu. or more at \$1.40; 10 bu. or more at \$1.35 per bu.

**SEED FLAX**

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have ruled very high. Our seed is thoroughly cleaned, free from mustard or any other weed seed and is as good as can be purchased anywhere. Don't buy flax seed on open market. It is generally full of weed seed. One of the most profitable crops, especially on new land. Price subject to change. Per lb., 20c; 3 lbs., 50c, postpaid. By freight or express, not prepaid, pk., \$1.00; bu., \$3.50; 2 bu. or more at \$3.40; 10 bu. or more at \$3.30 per bu.

**SPELTZ**

A comparatively new grain generally grown and handled in the same manner as barley. Is of high value for feeding and will make a fair grade of flour similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it; will make a good crop with almost any condition of soil and climate. It makes excellent pasture and good hay if cut at proper season. It yields 70 to 100 bushels of grain to the acre, besides several tons of straw for feeding. The grain is very rich for feeding and of superior quality for fattening hogs, cattle, sheep, poultry, etc. May be sown in the spring or fall, 50 to 75 lbs. per acre. Per lb., 25c; 3 lbs., 60c, postpaid. By freight or express, not prepaid, pk., 50c; bu. (35 lbs.), \$1.26; 2 bu. or more at \$1.10; 10 bu. or more at \$1.00 per bu.

**BUCKWHEAT**

Buckwheat is a valuable crop for those parts of the farm which always seem to be left unplanted at the close of the season. As it is generally sown in late June or early July it will fill up the vacant plots at a time when all other planting is past and produce a profitable crop on what would otherwise be waste places. Use about one-half bushel seed per acre. Prices subject to change.

**JAPANESE.**—A week earlier than Silver Hull and yields more. Flour is equal to any other buckwheat, while it is more productive than any other, and succeeds well far north. The kernels are quite large, but the straw is heavier and it branches more; need not be sown as thickly as other kinds. Per lb., 25c; 3 lbs., 60c, postpaid. By freight or express, not prepaid, pk., 50c; bu. (52 lbs.), \$1.60; 2 bu. at \$1.50 per bu; 10 bu. for \$14.00.

GRAINS OF SPELTZ



**AMBER CANE**

One of the most valuable fodder plants in existence. Eaten by cattle, horses and hogs. Dairymen find that the cows will give more and richer milk from its use and it is claimed that as high as ten ton of fodder have been grown per acre. Can be grown successfully in any part of the country. It is usually put in during the first half of June, sowing 100 pounds per acre broadcast, or 60 to 75 pounds per acre is sown with a wheat drill. Cut in September or just before frost with a mower and cure like hay, or with a binder and stand the bundles up. If wanted for sorghum purposes we recommend sowing the Kenney's, which is purer, but this cheaper grade is about as desirable for fodder purposes. Price is subject to market changes, but it usually advances later in the season. Per lb., 20c; 3 lbs., 50c, postpaid. By freight or express, not prepaid, 10 lbs., \$1.00; 25 lbs., 80c; 100 lbs., \$2.75; 500 lbs. or more at \$2.50 per 100.

**KENNEY'S AMBER CANE**

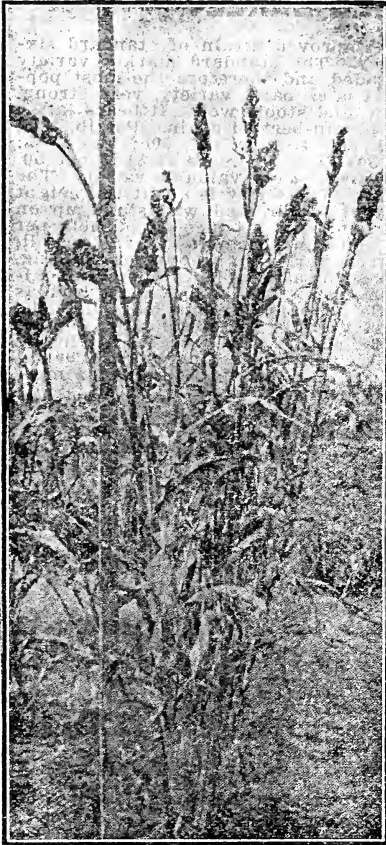
An improved variety which will make the very finest grade of beautiful amber syrup of delicious flavor and many persons will prefer it for table use to either maple syrup or honey. Easily grown and succeeds well in all parts of the country. Sow 5 lbs. of seed per acre. Per lb., 25c; 3 lbs., 65c; 6 lbs., \$1.00, postpaid. By freight or express, not prepaid, 10 lbs., \$1.00; 25 lbs., \$3.00; 50 lbs., \$5.00; 100 lbs., \$8.50.

**MILO MAIZE**

Similar in manner of growth and uses as Kaffir corn, although it is distinct and no one can mistake one for the other when grown. Seeds are red. Per lb., 20c; 3 lbs., 50c, postpaid. By freight or express not prepaid, pk., 40c; bu. (56 lbs.), \$1.50; 2 bu. or more at \$1.40 per bu.; 10 bu. or more at \$1.25 per bu.

**KAFFIR CORN**

A most excellent fodder plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight, upright growth. The stem or stalks keep green and are brittle and juicy, making excellent fodder either green or dried. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. Both grain and fodder are excellent. The stalks remains tender to full maturity of the seed. There is no failure about it; can go without rain without any loss in yield. The grain



AMBER CANE

is extremely valuable for feeding. Cultivated the same as common corn, requiring five pounds of seed per acre. For fodder sow one-half to one bushel, either broadcast or in drills. Per lb., 20c; 3 lbs., 50c, postpaid. By freight or express, not prepaid, pk., 40c; bu. (56 lbs.), \$1.50; 2 bu. or more at \$1.40 per bu.; 10 bu. or more at \$1.25 per bu.

**SUNFLOWER**

A small patch of cultivated sunflowers will produce an immense amount of the very best poultry feed for winter. Drill in rows, cut with a corn harvester, dry thoroughly and let the fowls do the threshing. If you can't spare land for cultivating plant in waste corners.

**MAMMOTH RUSSIAN.**—An extremely large sunflower. Large pkt., 5c; lb., 25c; 2 lbs., 65c, postpaid. By freight or express, not prepaid, 10 lbs., \$1.00; bu. (25 lb.), \$2.00.

**TEOSINTE**

Somewhat resembles corn in its general appearance, but the leaves are much longer and broader and the stalks contain sweeter sap. In its perfection it produces a great number of shoots growing as much as 12 feet high, very thickly covered with leaves. Eighty-five stalks have been grown from one seed, attaining a height of 11 feet. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm at usual corn planting time, in hills 3 to 4 feet apart each way, two seeds to the hill. Teosinte is one of the heaviest-yielding forage plants known, having yielded 50 tons of fodder to the acre. Large pkt., 5c; oz., 10c; ¼ lb., 50c; lb., \$1.00; 3 lbs. (sufficient for acre), \$2.75, postpaid.

**BROOM CORN**

**TALL EVERGREEN.**—The most popular sort, largely grown in the West. Produces big, fine brush of good appearance and quality. Per lb., 25c; 3 lbs., 65c, postpaid. By frt. or exp., not prepaid, pk., 85c; bu. (50 lbs.), \$2.75.

**DWARF EVERGREEN.**—Rather late in maturing, but popular because it produces fine brush suitable for whisks and fine brooms. Per lb., 25c; 3 lbs., 65c, postpaid. By frt. or exp., not prepaid, pk., \$1.00; bu. (50 lbs.), \$3.25.



KAFFIR CORN



DWARF ESSEX RAPE

ably sown broadcast, four or five pounds per acre, and grows so rapidly that weeds are quickly smothered. Our seed is the best quality, direct from Essex, England, and far superior to the cheap Dutch grown seed. Per pkt., 5c; lb., 30c; 3 lbs., 75c, postpaid. By freight or express, not prepaid, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$7.00.

## DWARF ESSEX RAPE

This is beyond all question the most popular and profitable of all forage plants, and everywhere it is giving the best satisfaction. It is easily grown anywhere and stands unsurpassed as a forage plant for hogs, cattle or sheep. They eat it greedily and seem to prefer it to any other pasture during the summer and till late in the fall or early winter. It can be sown early in the season to provide early pasture for sheep and swine or sow in small grain a week or so before cutting to provide pasture after harvest, or sow on the stubble, but it is usually sown in June, July or August with corn or potatoes or on well-prepared land alone for summer and fall pasture. Makes a wonderfully productive pasture for sheep, hogs and cattle, and they gain flesh so rapidly that they soon "weigh like lead." While it is the ideal food for sheep, still it is of equal value for hogs and cattle, as they are very fond of it. It is extremely cheap and very prolific, having yielded twenty tons of fodder per acre. In the East it is usually sown in drills, two or three pounds per acre, and cultivated, but in western states it is almost invariably

## SAND OR WINTER VETCH

Recommended by U. S. Dept. of Agriculture. Succeeds and produces good crops on poor sandy soil, but is more vigorous on good land and grows 4 or 5 feet high. Recommended for seeding with fall rye for winter pasturage and spring hay. Perfectly hardy throughout the United States; is green all winter. Exceedingly nutritious, more so than clover; eaten with a relish; may be fed to all stock. Earliest for cutting and a full crop may be taken off before planting spring crops. Sow  $\frac{1}{2}$  bu. per acre in spring or fall. Pkt., 5c; lb., 30c; 3 lbs., 85c, postpaid. By freight or express, not prepaid, pk., \$3.25; bu. (60 lbs.), \$9.00.

## COW PEAS

**NEW ERA.**—The earliest variety of Cow Peas in existence and therefore most decidedly the best for growing in the northern states. Throughout the South cow peas are considered one of their most profitable crops, as they yield immensely and are largely used as green summer feed and also for planting in corn and other crops and plowing under as a fertilizer. Particularly recommended for planting after grain harvest and plowing under in fall. If you will get the grain off the ground early and plow and plant to New Era Cow Peas you can put the ground in fine shape for next year's crop. Matures in 60 days. Pkt., 5c; lb., 25c; 3 lbs., 65c, postpaid. By freight, pk., \$1.00; bu., \$3.25; 2 bu. for \$6.25.

## CANADA FIELD PEAS

For northern states there is no crop of greater value than Field Peas, and none is more neglected, which can only be attributed to a lack of knowledge as to their merits as a fodder, being very rich in the elements that improve the muscle, bone and nervous system. Sow as early as the ground can be worked, using two bushels of peas and two bushels of oats per acre. Cut when oats are in the milk and cure for hay. Especially valuable to the farmer who has not enough meadow land.

**WHITE CANADA PEAS.**—More used than any other. Pkt., 60c; bu., \$2.25; 2 bu. or more at \$2.15; 10 bu. or more at \$2.10 per bu.

## SOJA OR SOY BEANS

The berries ripen in about three to four months from the time of planting and produce a crop of 20 to 40 bu. to the acre and are as easily grown as other beans. Their great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds greatly to the milk production. This variety will ripen in all the northern states, where it has been grown over 4 feet high, heavily podded with seed and yielded over 10 tons per acre. It is a valuable fodder variety either for feeding green or for the silo. Being a rich, nitrogenous feed, it is unsurpassed as a flesh former, and, like the clovers, is a soil improver. Plant in drills two or three feet apart and one foot between plants. Pkt., 5c; lb., 30c; 3 lbs., 75c, postpaid. By freight, pk., \$1.00; bu. (60 lbs.), \$3.75.

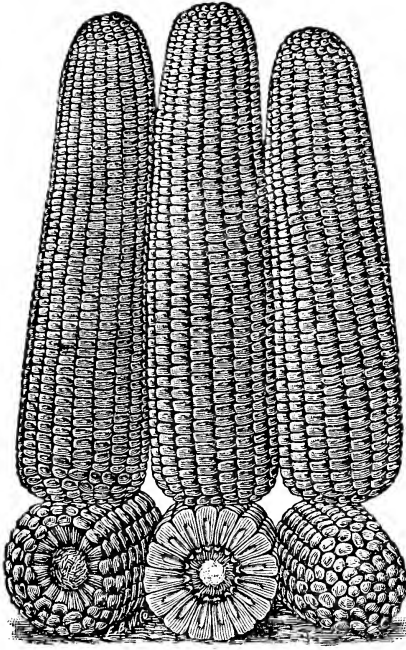


SAND OR WINTER VETCH

# Challenge Seed Corn

There is no farmer but who is a judge of seed corn. Difference in ideas have made necessary a number of different styles and types of corn to please different customers. You know what you want. We know that our seed corn is good and are willing to take a chance on its pleasing you. Order the kind you want. Send the money along with the order, and when the corn comes, if it isn't up to our representations or doesn't please you, send it back and we will return the money you paid us for it. We take great pains in the production of our seed corn, but we shall not take up much space to tell you all about how we do it. All we have to say is to repeat our offer. If it isn't right send it back to us and we will send your money back to you. This offer speaks a good deal more to the point than whole pages of claims could do.

## IOWA GOLD MINE



IOWA GOLD MINE CORN

sell Iowa Gold Mine on the market, shell it first; in this way you get the increase which amounts to at least 10 per cent on every bushel. Perhaps you don't understand how this is, but here is the reason: There is never more than 10 lbs. of cobs in a bushel of Gold Mine and many lots have shelled out only 6 lbs. of cobs per bushel. You can't afford to sell good corn for cobs. It's just as pretty as a picture, and if you want to see a sample before ordering, let us know and we will mail you a few grains for inspection free of charge.

### PRICES

By mail or prepaid, 1 lb., 25c; 3 lbs. for 60c; 7 lbs. (enough for an acre), \$1.00 By express or freight, not prepaid, pk., 90c; bu., \$3.00; 2 bu. or more at \$2.85 per bu. Ask for price on larger lots.

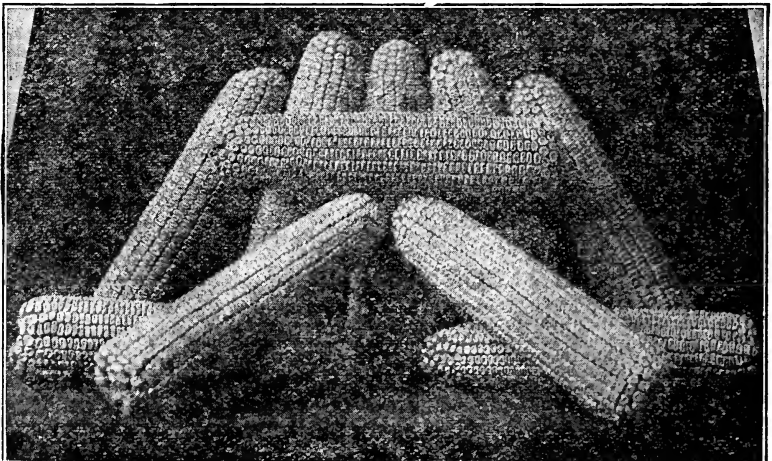
## IOWA SILVER MINE

The standard variety and the best white corn for general use. Grows and matures over a wider range of territory than any other white sort. Ripens from Minnesota to Texas and is always of good quality. Yields immensely. Has a record of 215 bushels per acre, the greatest yield of corn in history, and this amount was produced in Iowa, too. Of course it won't yield that much in ordinary field culture, but it will yield as much and more than any other kind grown in central or northern Iowa. It will compete in quality with the larger kinds of the South, and will beat them all when it comes to sound, well-matured quality corn. It grows to a height of about seven or eight feet, and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking.

One peculiarity which will be noticed in going over the fields is that there are no barren stalks; every one has an ear, many stalks have 2 or 3 good ears.

### PRICES

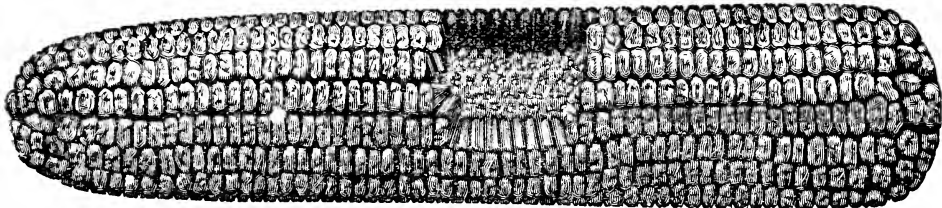
For high grade extra select seed corn postpaid or by express prepaid: Pkt., 5c; lb., 25c; 3 lbs., 60c; 7 lbs. (will plant one acre), \$1.00. By freight or express, not prepaid, pk., 90c; bu., \$3.00; 2 bu. or more at \$2.75 per bu. Write for prices in quantity.



IOWA SILVER MINE CORN

## REID'S YELLOW DENT

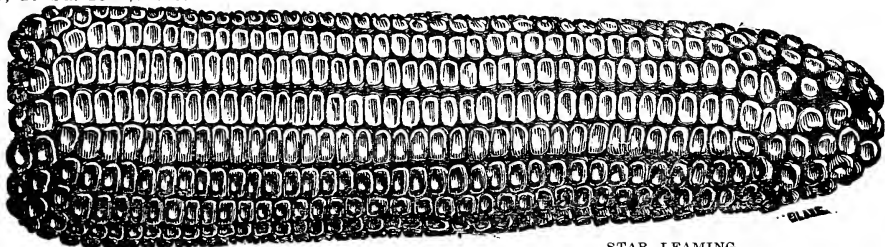
This variety is the best known among progressive farmers who grow for the great corn shows and who try to breed to the show standard. The type of Reid's Dent is the standard for corn judges and through its popularity at the shows it has become widely known and generally distributed. It is a thoroughbred corn having many years of selection for its foundation, and the type is thoroughly fixed so that reversion seldom occurs, and the crop is always uniform in size, shape and color. Is the most highly recommended by Professor Holden, the noted corn expert of the Iowa Agricultural College, and is too well known to require lengthy description, our illustration well showing the general characteristics. It requires about 115 days to mature and we do not, therefore, recommend it for planting north of central Iowa. In good years it will often produce splendid crops as far north as the Minnesota line, but it cannot be depended on to ripen in short seasons in that latitude. A splendid variety for the farmer who sells corn in the ear. Our stock is extra fine, handsome yellow color, smooth, deep grained, and the kernels are packed very closely on the cob, thus giving it an appearance of great solidity. 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., 75c; bu., \$2.50; 2 bu. or more at \$2.40 per bu.; 10 bu. for \$22.50.



REID'S YELLOW DENT

## STAR LEAMING

The Leaming Corn, originated by Mr. Leaming, of Ohio, had the reputation of being the hardest and surest growing yellow corn, but particular growers objected to its red undercolor and uneven kernels, due to its rapid tapering. Our Star Leaming, so called to distinguish it from other strains, has been carefully bred up through a long series of years to overcome these objections and still retain all its desirable qualities. Ears are large and handsome, with deep, large grains of rich, deep orange color, on a medium to small cob. It grows to medium height, setting the ears about 4 feet from the ground, husks easily, and the corn is snug on the cob, thus making a very solid, heavy feeding ear. Surface is quite smooth for dent corn. It is very productive, and it is the ideal variety for selling in the ear. 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., 75c; bu., \$2.50; 2 bu. or more at \$2.40 per bu.; 10 bu. for \$22.50.



STAR LEAMING

## FARMERS' RELIANCE

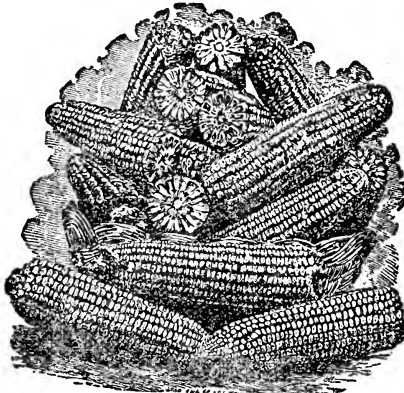
This is a choice variety of early corn. Preferred by many to Iowa Gold Mine because it is smooth and solid on the cob. It is claimed to be the earliest large corn and it will mature in 95 days in good seasons. Has been planted June 26th in central Iowa and made a good crop. Grows strong and vigorous with broad leaves of dark green color. Cobs are rather small and 70 lbs. of ears will make 60 lbs. of shelled corn. Fully 40 per cent of the stalks produce two good ears. Altogether this is a very valuable variety, especially for the northern portion of the corn belt, and we recommend it specially to our friends in northern Iowa and like latitudes. Per lb., 25c; 3 lbs., 60c; 7 lbs. (will plant one acre), \$1 by mail postpaid. By freight or express not prepaid, pk., 90c; bu., \$3.00; 2 bu. or more at \$2.85 per bu.; 10 bu. for \$26.



IMPROVED YELLOW FLINT

## IMPROVED YELLOW FLINT

An eight-rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and well filled out to the extreme end of the cob. The cob is small and the kernel large and broad; ripens in 75 to 85 days. This corn is well adapted to the Northwest and is said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Pkt., 5c; lb., 25c; 3 lbs., 60c, postpaid. By freight or express, not prepaid, pk., 65c; bu., \$2.50; 2 bu. or more at \$2.40; 10 bu., \$22.50.



PRIDE OF THE NORTH

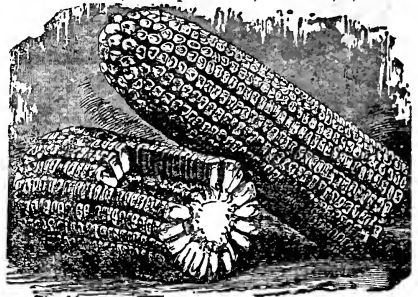
or express, not prepaid, pk., 90c; bu.,

## PRIDE OF THE NORTH

The variety originated with A. L. Goddard, of Kossuth county, Iowa, near Minnesota line, about twenty years ago, and sprang at once into prominence as the earliest of all yellow dent corns. The ears are 7 to 8 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Good soil capable of producing four or five good stalks to the hill and many of the stalks have two ears each. The same results can be better accomplished by growing closer together or planting in drills, as it does not require as much room as the large-growing sorts. This will enable one to get as large a crop as with a large-eared variety and much more fodder. It is the dependence of the man in a pinch. If for any reason you cannot plant at proper time Pride of the North will make you a crop in 30 days less time than the large-eared sorts. **PRICES:** Pkt., 5c; lb., 25c; 3 lbs., 60c; 7 lbs. (will plant one acre), \$1.00, by mail or express, prepaid. By freight \$2.75; 2 bu. or more at \$2.60 per bu.; 10 bu., \$25.00.

## LEGAL TENDER

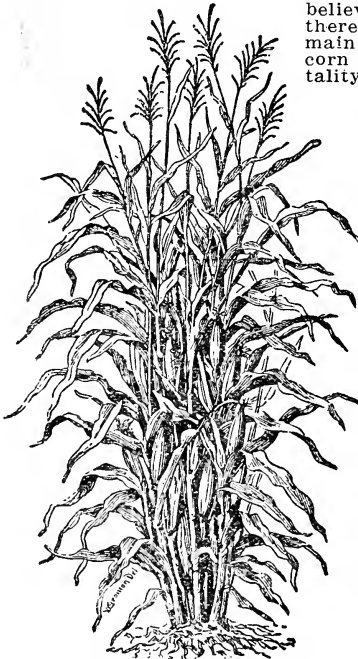
One of the most prominent late varieties of yellow dent corn. The result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premiums at many state and county fairs. Productive and of uniform pure yellow color, ear very large and long and a deep grain on a small cob, while stalk does not grow too large. The introducer says: "Our ideal ear is two-thirds as large around as it is long, containing 16 to 20 rows, and small shank. Kernels are deep, cob is small at butt and the ear holds its bigness toward the point, until near tapering off. Is capped over and the kernels hold their bigness toward point, and the butt runs out straight and not crinkled." Matures in about 115 days; not recommended for northern portion of this state. Our stock extra select, improved in hardness. **PRICES:** Pkt., 5c; lb., 25c; 3 lbs., 60c; 7 lbs. (will plant one acre), \$1.00, by mail or express prepaid. By frt. or express, not prepaid, pk., 90c; bu., \$2.75; 2 bu. or more at \$2.60 per bu.; 10 bu., \$25.00.



LEGAL TENDER

## IOWA YELLOW DENT

We always advise farmers to select the best named varieties in buying seed corn, and believe it pays them in the long run. Every year, however, there are thousands of farmers in need of seed corn, and their main object is to secure at a low price a nice grade of yellow corn which is well matured, thoroughly tested, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you will find it superior to nine-tenths of the corn offered by other dealers. It is not crib corn nor is it purchased on the market for sale, but is specially grown for us and given the same care accorded to our other varieties. At our price it will cost you only about 20 cents per acre to plant your field with this variety and it will pay you well to order sufficient for your planting. **PRICES:** By freight or express, not prepaid, pk., 60c; bu., \$1.75; 2 bu. or more at \$1.60; 10 bu. or more at \$1.50 per bu.

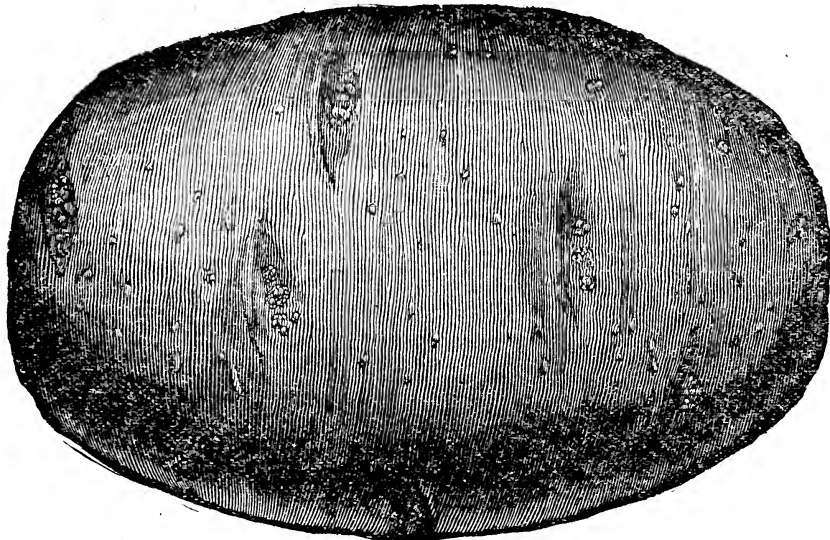


SWEET FODDER CORN

## LATE SWEET FODDER CORN

The past two years seed sweet corn has been so scarce and high in price that we did not urge our customers to plant it, but last year we grew a splendid crop, both in quality and quantity, and are therefore enabled to offer it at a low price. We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. On a strong soil it will grow 10 to 12 feet high and produce almost an incredible amount of fodder, which when well cured is equal to hay, besides being cheaper. It is claimed by dairy farmers this fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being so sweet and palatable that cattle eat every part of the stalk and leaves. As a green fodder for cutting in the summer, one acre is worth eight acres of ordinary pasture. Of high value also for hogs, and an excellent plant to plow under for soiling. Sow thickly in drills, or broadcast at rate of 2 bu. per acre. **PRICES:** By freight or express, not prepaid, pk., 60c; bu. (measured), \$2.25; 2 bu. or more at \$2.10 per bu.

# CHALLENGE SEED POTATOES



EXTRA EARLY OHIO POTATO

**EXTRA EARLY OHIO.**—Fancy Stock.—They are of good, average size, strictly pure, smooth and free from scab or rot, and outyield the other early sorts. A favorite with marketmen, and the most profitable potato they can grow. The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices. They will keep firm till late in the spring. This variety is frequently sold under the name extra Early Six Weeks. This is our specialty in standard varieties. Also desirable for late planting, as they keep well for winter and spring use. Pk., 65c; bu., \$2.00; 5 bu. or more at \$1.75 per bu.

**BURBANK.**—This has been a standard main crop potato for many years and still retains its popularity with market and private growers because of its immense yield and good quality. Tubers are large, long, and have fairly deep eyes. Outer color white, cooks white and mealy. Pk., 50c; bu., \$1.60; 5 bu. or more at \$1.50 per bu.

**ROSE OF THE NORTH.**—An Early Rose grown on the virgin soil of the far North. It is 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. Keeps sound and fresh well into the spring. Pk., 60c; bu., \$2.00; 5 bu. or more at \$1.75.

**CARMAN NO. 3.**—It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but few eyes and they are shallow, the skin and flesh are extremely white and its cooking qualities are very fine. Keeps well. Pk., 50c; bu., \$1.60; 5 bu. or more at \$1.50 per bu.

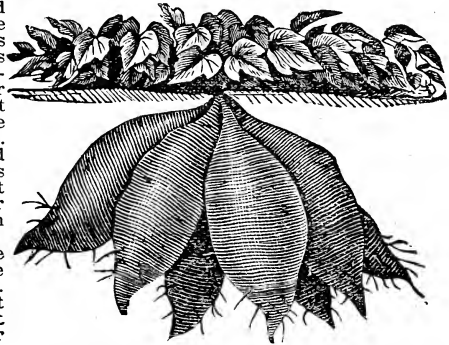
**RURAL NEW YORKER NO. 2.**—One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes, skin white as is also flesh. Medium late and the best drouth resister. Pk., 50c; bu., \$1.60; 5 bu. or more at \$1.40 per bu.

**BONANZA.**—Tubers are shaped very much like Carman, but are somewhat more flattened on the sides. Color is pink or light red when harvested, changing a duller shade when thoroughly matured. Tubers are medium to large in size and will produce abundantly. It is quality that recommends this variety, as where it is known it is preferred to all the other sorts for its mealiness and fine flavor. We do not believe it is possible to cook a Bonanza to be "soggy." Pk., 50c; bu., \$1.60; 5 bu. or more at \$1.40 per bushel.

## SEED SWEET POTATOES

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 the spring, as they do not keep well after being taken from the storage bins. We cannot guarantee them to be sound upon arrival and we try to protect our customers by prompt service. We usually ship from April 12th to 20th and notify customers when we start them. Prices are subject to change of market. It does not pay to buy sweet potatoes in small lots. Better buy the plants unless you will need more than 1.00. See page 25 for price of plants.

**EARLY YELLOW JERSEY.**—In spite of the many so-called new varieties, all of which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short chunky shape and of the very best quality. It will probably always remain the most popular market sort. Pk., 50c; bu., \$1.75; barrel, \$4.00.



YELLOW JERSEY SWEET POTATOES

## Challenge Flower Seeds

When we sell you Challenge Flower Seeds you get Challenge quality—the best to be had anywhere. Only the best growers contribute to our stocks. We cannot use poor flower seeds. We must have such as will please our customers with blossoms of beauty and substance. The list of flowers in this book is of the most popular and desirable kinds with selections of varieties chosen for range of color and type that will afford pleasure and satisfaction to our planting patrons.

### ASTERS

We put this the very first on our list, as it is a universal favorite and our stocks are so choice that we want every customer to try our Aster seeds this year, knowing with certainty that if you plant our Aster seeds once you will be so greatly pleased that we shall have your trade for years to come.

**CARDINAL.**—This novelty surpasses all others in brilliant cardinal red color and profusion of bloom. Pkt., 15c.

**DAYBREAK.**—Large flowers, intensely double and covering the plant in great profusion. The color is a beautiful light seashell pink. It flowers medium early and continuously. Pkt., 10c.

**SNOWBALL.**—A beautiful and distinct variety and the best white; of refined and faultless form and very freely produced. Fine for pot culture. Pkt., 15c.

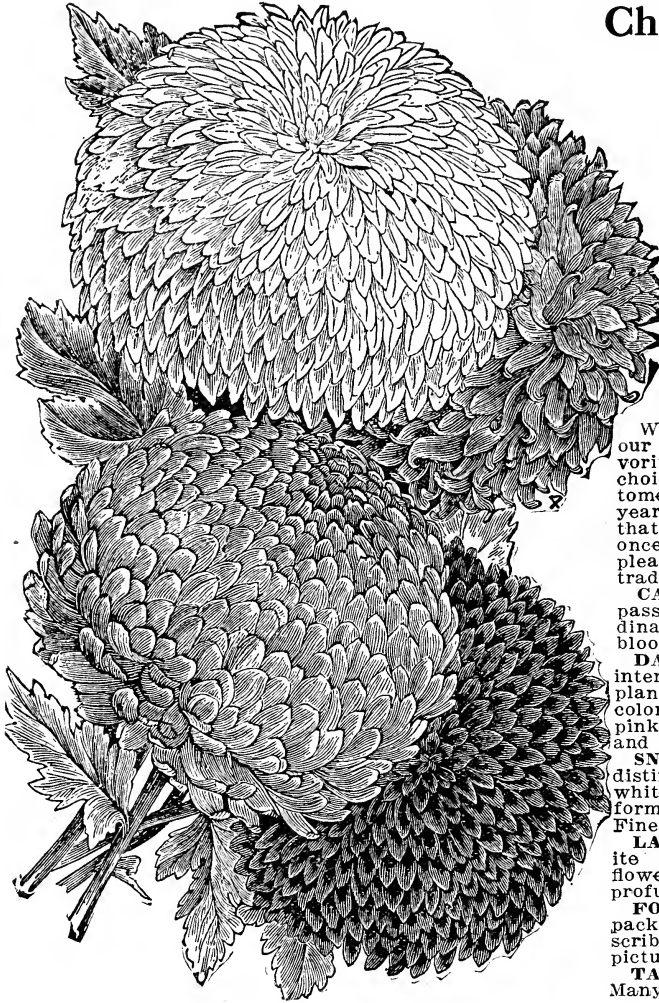
**LAVENDER GEM.**—An exquisite delicate lavender colored flower which branches freely and profusely, blooming early. Pkt., 10c.

**FOUR LOVELY ASTERS,** one packet of each of the kinds described above and shown in the picture, postpaid for only 30c.

**TALL VARIETIES MIXED.**—Many varieties and colors. Pkt., 5c.

**DWARF MIXED.**—Splendid assortment of the best dwarf varieties. Pkt., 5c.

**PERFECTION MIXED.**—(Truffant's Improved Peony Flowered)—A favorite; flowers large and almost perfectly round, incurved petals. Pkt., 5c.



FOUR LOVELY ASTERS

### ANTIRRHINUM.

(Snapdragon)

**GIANT FLOWERED.**—Most beautiful new class, having all the finest colors and markings known in the old varieties, together with several new shades. Flowers of immense size and produced in long spikes, 1 to 2 ft. in height almost as large and beautiful as gladiolus, blooming continuously. Pkt., 10c.

**MIXED VARIETIES.**—The older common sorts in mixture. Pkt., 3c.

### ALYSSUM.

**SWEET.**—Has little white flowers, useful for small bouquets. Its fragrance, while sufficiently pronounced is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt., 3c.

**LITTLE GEM.**—Very dwarf and remarkably uniform in growth, only 3 or 4 inches high. Pkt., 5c.

### ARCTOTIS GRANDIS.

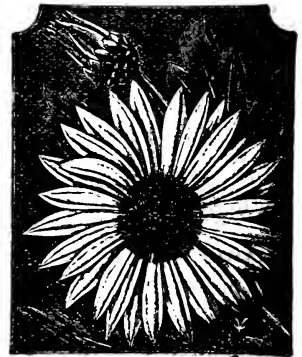
It is a remarkably handsome annual which forms much-branched bushes 2 to 3 feet high, the foliage is soft and downy and of a whitish color; its flowers, borne on long stems, rising well above the foliage, are large and showy; the ray florets pure white on the upper surface, embellished with a narrow yellow zone at base; reverse of petals pale lilac-blue; disc is light blue with slightly projecting stamen; a lovely flower. Pkt., 10c.

### BEGONIA.

Seeds very small, almost microscopic, and should be sown on the top of the soil.

**VERNON.**—Comes absolutely true from seed. Plants grow rapidly and thrive amazingly under our hot summer sun. Fine for bedding. Pkt., 10c.

**MIXED VARIETIES.**—Excellent varieties of the flowering sorts. Pkt., 10c.



ARCTOTIS GRANDIS



**BALSAM.**—One of the most beautiful of our annuals and under the old names, Lady Slipper and Touch-Me-Not, has always been popular, but by the care and attention given it in the last few years it has been greatly improved. The flowers are most brilliantly colored, very large and double.

**Peerless Mixed.**—Made up from the best foreign and American strains. Flowers are double and of all known colors; plants are loaded with hundreds of flowers. Pkt., 10c.

**Camellia Flowered Mixed.**—Very double, unusual size, perfect shape. Our mixture contains all best colors. Pkt., 5c.

**All Varieties Mixed.**—Mixture of older sorts. Pkt., 4c; oz., 25c.

**BLUE BELLS.**—The popular flower of Scotland. Beautiful bell-shaped, bright blue flowers. Hardy perennial. Pkt., 10c.

**CANTERBURY BELLS.**—A very pretty perennial quite popular in some sections of the country. Double and single, mixed. Pkt., 6c.

**CALLIOPSIS OR COREOPSIS.**—Mixed Colors.—Flowers of every shade of yellow, orange, crimson, red and brown. Pkt., 5c.

**Lanceolata.**—(New Golden Coreopsis.—One of the most showy hardy perennials grown, bearing in great profusion for a long period during the summer, large flowers of bright golden yellow. Grows anywhere. Pkt., 8c.

**Golden Wave.**—Plant very bushy and compact, reaching two feet in height, and covered from July until October with hundreds of beautiful golden blossoms two inches in diameter with small, dark centers. Pkt., 5c.

**Double.**—A grand novelty, bearing double flowers. Pkt., 10c.

**CANDYTUFT.**—**Giant Empress.**—One of the finest varieties in cultivation. Intermediate in height between old Rocket and newer Tom Thumb sorts. Of very branching habit and when fully grown and covered with its pure white flowers resembles a floral candelabra. Pkt., 7c.

**Best Mixed.**—Mixture of all varieties and colors. Pkt., 3c; oz., 40c.

**Sempervirens.**—Profuse blooming white perennial. Pkt., 10c.

**CANARY BIRD FLOWER.**—A most beautiful climber with delicate, finely cut foliage and curious bright yellow flowers resembling the canary bird in shape and color. Pkt., 5c.

**CELOSIA.**—**Giant Empress.**—(Cockscomb)—Is very handsome either for pot plants or specimen plants in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. It is not uncommon for heads to measure over 12 inches in breadth, very bright reddish purple combs and dark bronze foliage. Pkt., 10c.

**Spicata.**—A wonderful new variety of Celosia and far different from any other. Bears tall growing pluming spikes of flowers. Pkt., 15c.

**Ostrich Feather.**—Curled crimson plumes. Pkt., 10c.

**Mixed Varieties.**—Includes both the cockscomb and feathered sorts. Pkt., 5c.

**CENTAUREA.**—**Cyanus.**—Called Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Bluet. A very old favorite garden annual, flowering freely in any situation. Height 2 to 3 ft. Mixed colors. Pkt., 3c.

**Cyanus Double.**—A most charming sport from the above. Flowers very large and globular. A continuous bloomer and becoming quite popular. Mixed colors. Pkt., 8c.

**COSMOS.**—**Mammoth Perfection.**—Flowers measuring 12 to 15 inches in circumference; the petals are broader and overlapping; flowers white, pink or crimson. Seed should be sown early in the house, as they are quite late. Pkt., 7c.

**Early Dawn Mixed.**—Two months earlier than any other. Mixed colors. Pkt., 5c.

**CYPRESS VINE.**—A beautiful rapid climber with delicate, dark green foliage and an abundance of bright, star-shaped scarlet and white blossoms, which in bright sunshine present a mass of beauty.

**Scarlet.**—Is very bright. Pkt., 5c.

**White.**—Pretty in contrast with scarlet. Pkt., 5c.

**Mixed Colors.**—The above mixed. Pkt., 3c; oz., 30c.

**DIANTHUS.**—The Dianthus, or Chinese Pink, has long been a great garden favorite. It is, in fact, one of our most useful plants, furnishing an abundance of gay, pretty flowers. Plants from seed grow and bloom very quickly.

**Fireball.**—A beautiful very dwarf and compact growing pink, only 10 to 15 inches high. Flowers are perfectly double. Rich, velvety blood red. Pkt., 10c.

**Snowball.**—A fit companion to the above. Pure white, double, finely fringed, perfect form. Pkt., 8c.

**Chinensis.**—(Double Chinese Pink)—The finest double mixed. Pkt., 3c.

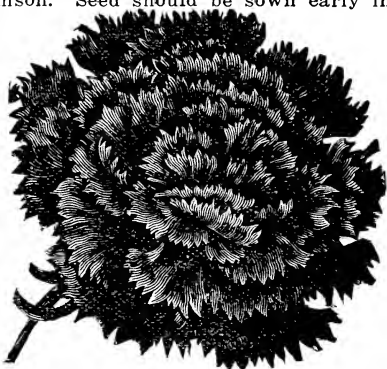
**Mixed Varieties and Colors.**—Pkt., 5c.



PEERLESS  
MIXED BALSAM



GIANT EMPRESS COCKSCOMB



FIREBALL DIANTHUS



FOUR O'CLOCK

**GOLD AND SILVER FLOWER.**—A great novelty from New South Wales. Flowers are silvery white, while center petals are yellow, giving the appearance of a five-dollar gold piece in the center of a silver dollar. It is an everlasting and retains its colors when dry. A remarkably beautiful new flower. Pkt., 10c.

**HELIOTROPE.**—*Fine Mixed.*—Great favorite with flower lovers for beauty and fragrance; suited for beds or borders, where they will bloom in summer, and may be potted and cut back for winter blooming. Saved from choice plants. Pkt., 5c.

**New Mammoth.**—Grand new variety producing immense clusters of flowers. Pkt., 10c.

**HOLLYHOCK.**—*Fine Mixed.*—No garden flower is more showy or admired. Start seeds in a box in house in February or March, and about May 1st transfer to permanent place in garden where they will produce elegant spikes of flowers. Mixed colors. Pkt., 5c.

**Chater's Prize Double Mixed.**—Has magnificent double flowers 3 to 4 inches across, and all of brightest colors. Flowers are quite as beautiful as perfect as those of the Camelia. A mixture of seventeen prize varieties including all colors and shades known. Pkt., 10c.

**Allegheny Mammoth Fringed.**—Entirely new and distinct variety. Flowers single, semi-double and double, of rich colors and fine form. Pkt., 10c.

**Everblooming Annual.**—This fine variety if started in the house in March or April may be set out in open ground in May and will bloom from July till killing frost in the fall. All colors. Single, semi-double and double. Pkt., 15c.



DOUBLE MIXED HOLLYHOCK

**ESCHSCHOLTZIA.**—*Single Mixed.*—California Poppies. Showy summer flowering plants; large saucer-shaped flowers of striking brilliancy in the sunlight. They flower profusely throughout the season. Mixed colors. Pkt., 5c.

**Double Mixed.**—We believe the double form of this flower will prove very satisfactory to all flower lovers. Pkt., 5c.

**Golden West.**—A giant flower from 3½ to 6 inches across, with wide overlapping petals often delicately waved at the edge. It is of a rich golden yellow color, some specimens having a dark orange blotch in the center. Pkt., 10c.

**FOUR O'CLOCK.**—(*Mirabilis.*)—The marvel of Peru, or Four O'Clock is one of the most brilliant and showy of annuals. Presents a gorgeous sight during the afternoon.

**Tom Thumb Mixed.**—Very handsome, compact dwarf bushy plant, with golden variegated foliage; numerous brilliant yellow, red and striped flowers. Pkt., 5c.

**Mixed Colors and Varieties.**—Contains a fine assortment of colors and is satisfactory. Pkt., 3c.



GOLD AND SILVER FLOWER

**LOBELIA.**—Handsome trailing plants, profuse bloomers; for baskets, vases and borders. Mixed. Pkt., 6c.

**LARKSPUR.**—*Dwarf German Rocket.*—An old and well known hardy annual. The flowers are borne in compact spikes, showy and desirable. Mixed colors. Pkt., 5c.

**Tall German Rocket.**—Mixed colors. Pkt., 3c.

**American Banner.**—Plants 2 ft. high, loaded with long spikes of double striped and blotched flowers. Pkt., 10c.

**Perennial Mixed.**—Delphinium. Pkt., 5c.

**MARIGOLD.**—*African.*—These old favorites have been greatly improved recently in size and doubleness of its flowers. Double mixed. Pkt., 3c.

**Dwarf French.**—Double mixed, colors. Pkt., 3c.

**Eldorado.**—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt., 5c.

**MAIZE.**—*Striped Japanese.*—An ornamental foliage plant of rapid growth, giving immediate effect. Desirable for groups or ribbon beds or a back border. Pkt., 5c; oz., 15c.

**MIMULUS.**—*Triginus.*—(Monkey Flower)—Very showy and free blooming. The hardy kinds are well suited for outdoor culture. Mixed varieties. Pkt., 10c.

**Moschatus.**—The well-known musk plant, quite pretty, and has a strong musk fragrance—the odor is pleasant and refreshing. A nice plant also for pot culture. Pkt., 3c.

**MIGNONETTE.**—*Sweet Scented.*—The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. Sow seed early in the garden, and they commence blooming first of June. Pkt., 2c; oz., 15c.

**Allen's Defiance.**—Mammoth spikes 12 to 15 inches long, and more fragrant than any other variety. Pkt., 10c.

**Machet.**—Dwarf, vigorous growth; throws up numerous stout flower stalks, terminated by massive spikes of delicately scented red flowers. Pkt., 5c.

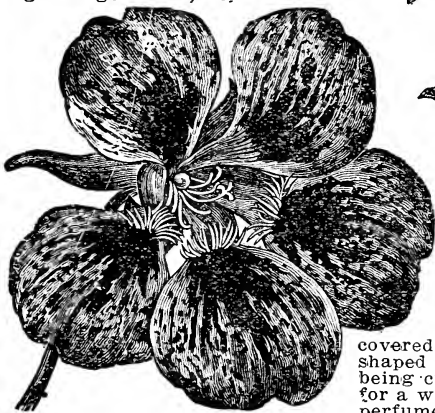
**MORNING GLORIES.—Imperial Japanese.**—Remarkable for the large size and exquisite new colors of the flowers, sometimes measuring four or five inches across. The colors of the leaves, shading and markings are really wonders of nature, and of incomparable beauty. Double and single mixed. Pkt., 8c; oz., 25c.

**Improved Climbing.**—A great improvement on the old climbing morning glory. Of large size and great variety. Pkt., 5c; oz., 20c; ¼ lb., 60c.

**New Double Flowering.**—A novelty of rapid growth. About 80 per cent of the seed will come double. Pkt., 10c.

**Fringed Japanese.**—A splendid strain, with beautifully fringed flowers presenting an odd yet attractive appearance. Pkt., 10c; oz., 35c.

**NIGELLA (Love in the Mist).—Mixed Colors.**—Hardy annuals about one foot high; fine cut leaves and handsome flowers. Blooms early. A very pretty flower, and one our customers should try. Double flowers, blue, white and purple, beautifully veiled with feathery, delicate appearing foliage. Pkt., 4c.



CHAMELEON NASTURTIUM

**NASTURTIUM.**—Classed among the most beautiful and showy annuals. Of very easy culture; make a continuous show of bloom.

**Imperial Mixed.**—Includes about twenty of the dwarf varieties, selected from both American and foreign growers, so that the colors harmonize beautifully and delight flower lovers, as they are of neat, compact habit of growth, and bloom freely when planted in beds, producing a mass of colors. Pkt., 5c; oz., 15c; ¼ lb., 50c.

**Dwarf Chameleon.**—The flowers of this new Tom Thumb nasturtium are in color crimson, gold and bronze, bordered and flamed, changing in hue almost daily, hence named "Chameleon." No variety could be more satisfactory, and as our crop was good we have reduced price. Pkt., 5c; oz., 15c.

**Dwarf Varieties Mixed.**—A nice mixture of colors of this class. Pkt., 3c; oz., 10c; ¼ lb., 20c; lb., 65c.

**Lobb's Nasturtium.**—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height, rapid growth. All best named sorts, mixed. Pkt., 5c; oz., 15c.

**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., 5c; oz., 15c; ¼ lb., 45c.

**Kaleidoscope.**—Finest of all climbing nasturtiums. A single plant will often have in bloom on it at one time a dozen or more apparent distinct variety and colors. Some of clear color and various shades of yellow, orange, red, pink and creamy white, while others are variously blotched, splashed, striped or bordered with rich contrasting shades. Pkt., 10c; oz., 30c.

**Tall Varieties Mixed.**—Pkt., 3c; oz., 10c; ¼ lb., 20c; lb., 65c.



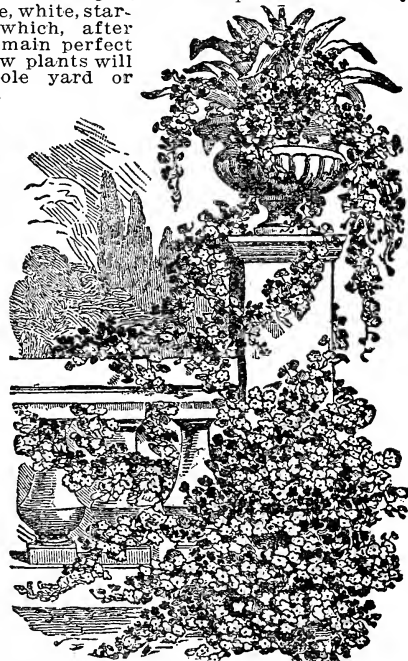
IMPERIAL JAPANESE MORNING GLORIES

**MOON FLOWER.—White.**—One of the grandest summer climbers, growing 25 to 40 ft. high, and covered nightly and on dull days with beautiful white, moon-like flowers from 5 to 6 inches in diameter. Pkt. of 10 seeds, 7c.

**Blue Flowering.**—A beautiful and striking contrast to the true White Moon Flower described above. The color is exquisite, clear, satiny blue with crimson bars. Pkt., 10c.

**NICOTIANA.—Affinis.**—Of all varieties of tobacco which are grown for their sweet-scented flowers this is the best. The plant is literally

covered with large, white, star-shaped flowers, which, after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden. Pkt., 5c.



MADAM GUNTER'S HYBRIDS NASTURTIUM

### PANSIES

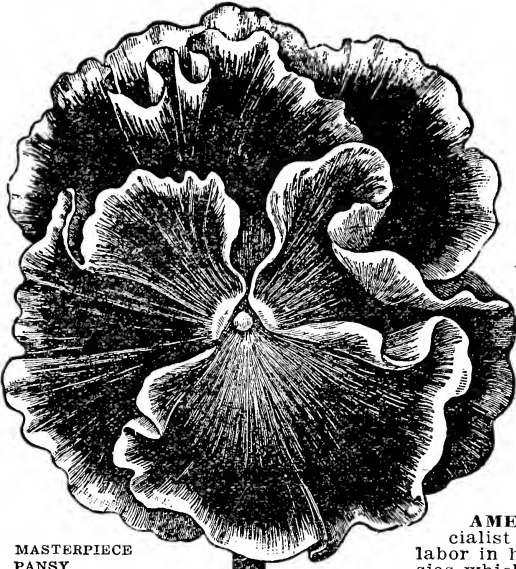
Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains.

**MASTERPIECE.**—(Also offered under the names Superbissima and Germania). This superb new pansy is distinct from all others in form of flowers, the border of every petal being conspicuously undulated and curled, giving flowers appearance of a double pansy. The flowers are extremely large. Pkt., 20c.

**INTERNATIONAL MIXTURE.**—In almost every country in the world there are pansy specialists, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers. Also many choice American strains which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International Mixture. Pkt., 20c; ¼ oz., \$3.00; oz., \$10.00.

**IMPERIAL GERMAN MIXED.**—Magnificent flowers of richest hues; one of our most popular sorts and of high standard of excellence. Pkt., 10c; ¼ oz., \$1.00; oz., \$3.50.

**AMERICAN GIANT.**—A prominent pansy specialist has put in years of careful, painstaking labor in hybridizing and selecting a strain of pansies which would be superior to anything in existence, and as a consequence we have this extra-ordinary, and as a consequence we have this extra-



MASTERPIECE PANSY

dinarily fine variety which is of such strong, robust, luxuriant growth and produces such magnificent immense-sized flowers that it might almost be said to be a superior race of pansies. They comprise practically all shades, colors and markings known in pansies, including the Giant Bugnots, Cassier's, and the best of the large-flowered sorts from France, Germany, England, Holland and other countries. Also a strain of curled and ruffled pansies which appear double. Pkt., 25c.

**PEACOCK.**—This new variety is named Peacock because upper petals of flower resemble in color the peculiar shade seen only in feathers of the peacock, a beautiful ultramarine blue. Petals edged with a thin white line, within which is purplish crimson passing into a rich central blotch of blue, shading to black. Pkt., 10c.

**GIANT TRIMARDEAU.**—Flowers of very large size, some have measured 4 inches in diameter. Each flower marked with three large blotches or spots and stands well above foliage. Choice mixed colors. Pkt., 10c.

**LARGE FLOWERING MIXED.**—Pkt., 7c; ¼ oz., 75c; oz., \$2.75.

**FINE MIXED.**—Of many good sorts. Pkt., 5c; ¼ oz., 35c; oz., \$1.00.

**FIRE KING.**—Very distinct and striking. Upper petals are bright red, really a fiery shade, warranting the name. Pkt., 10c.

**MAHOGANY.**—A beautiful, rich mottled mahogany color. Pkt., 5c.

**SNOW QUEEN.**—Flowers of a delicate, pure satiny white, handsome and attractive. Shows finely in beds or for cut flower work; beautiful for cemetery use. Pkt., 5c.

**QUADRICOLOR, or Pheasant's Eye.**—Upper petals sky blue edged with violet; lower petals spotted and marbled. Pkt., 5c.

**KING OF BLACKS, or Faust.**—Flowers intensely dark, almost black. Pkt., 5c.

**GOLDEN YELLOW.**—Best of the yellow varieties. Desirable as a contrast. Pkt., 5c.

**AZURE BLUE.**—A very fine shade sky blue. Pkt., 5c.

### Our Challenge Flower Garden A Great Big Bargain of Challenge Flower Seeds.

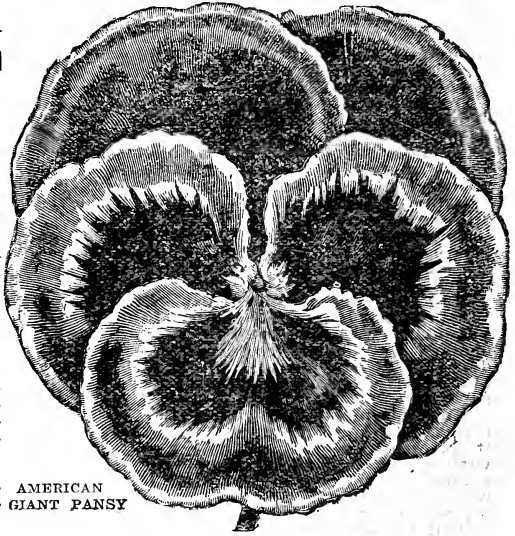
67 cents in actual catalogue value. New crop, choice seeds, 12 full-sized packets, only..

25 Cts. Post-Paid

Notice the names and varieties as offered. They are our regular catalogue sorts, in full-sized packets. We put up these collections in quantity and cannot change or divide them at this low price. We show just what each one costs at catalogue price so you can readily see how great a bargain this collection really is:

- Aster, Perfection Mixed. Pkt., 5c.
- Balsam, Peerless Mixed. Pkt., 8c.
- Four o' Clock, Mixed colors. Pkt., 3c.
- Morning Glory, Imperial Jap. Pkt., 8c.
- Climbing Nasturtium, Mad Gunter. Pkt., 5c.
- Pink, Mixed varieties and colors. Pkt., 5c.
- Pansy, Large flowering mixed. Pkt., 7c.
- Phlox, Grandiflora mixed. Pkt., 8c.
- Petunia, Fine mixed. Pkt., 3c.
- Sweet Peas, best Spencer mixed. Pkt., 5c.
- Zinnia, Finest double mixed. Pkt., 3c.

AMERICAN GIANT PANSY



TOTAL VALUE 67 cts. POSTPAID FOR ONLY 25c.



GIANT FANCY FLOWERED PETUNIA

**PORTULACA, Grandiflora Single Mixed.**—This old favorite is brightest in the hot, dry weather, when other flowers are drooping. They are almost every conceivable shade of color, and will make one of the brightest spots in the garden. Large flowered. Pkt., 3c.

**Double Mixed.**—Very handsome, double as a rose, and contains a

color and shading unknown to the single. Our seed is extra choice and will produce sixty to seventy-five per cent of double flowers. Pkt., 10c.

**PHLOX DRUMMONDII, Grandiflora Mixed.**—This special large-flowering strain has been selected with great care for many years, until we now have an ideal flower of immense size and for beauty of color they are unsurpassed. Pkt., 8c.

**Fringed Mixed.**—Very handsome. Flowers of the most velvety colors and handsomely fringed. Pkt., 7c.

**Mixed Varieties.**—A mixture of the common varieties. Pkt., 5c.

**RHODANTHE.**—Fine everlastings; rosy crimson, yellow center. Pkt., 5c.

**RICINUS, Cambogiensis.**—(Castor Oil Plant)—This beautiful plant grows to a height of 8 feet, and of a most stately, majestic tropical appearance. Large palm-like leaves of darkest reddish maroon, covered with a bright bronzy lustre, while the main stalk and leaf stems are ebony black. Seed will always be scarce and high. Pkt. of ten seeds, 10c.

**Zanzibarensis.**—Grows to a height of 12 to 14 feet, with leaves two to nearly four feet across. A handsome specimen plant for lawns. Pkt., 5c.

**Sanguineus Tricolor.**—Blood red stalk. Pkt., 5c.

**All Varieties Mixed.**—Pkt., 4c.

**SWEET SULTAN.**—Large, fragrant flowers; mixed color. Pkt., 10c.

**SMILAX.**—One of the prettiest house climbers for winter. Pkt., 8c.



DOUBLE PORTULACA

**PETUNIA, Grandiflora Mixed.**—Very large, elegant flower; a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt., 200 seeds, 10c.

**Giant Fancy Flowering.**—A new strain and undoubtedly the handsomest of all. Most of the flowers are beautifully fringed and ruffled. Very large and with exquisite markings. Produces very little seed and will always be high in price. Pkt., 25c.

**Double Inimitable.**—A splendid mixture. Pkt., 25c.

**Fine Mixed.**—Pkt., 3c.

**POPIES, Shirley.**—A new single of the most delicate shades. Pkt., 5c.

**Rosy Morn.**—Is really superb. Flowers very durable and of good size, forming perfect balls of beautiful rose, a new and distinct color in poppies. Pkt., 7c.

**Double Carnation.**—A splendid assortment of the best double carnation flowered sorts. Pkt., 5c.

**Oriental Hybrids.**—For brilliancy of color there is nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over 6 inches in diameter. They are hardy perennials, increasing in size and beauty every year. Pkt., 10c.

**Annual Varieties Mixed.**—Pkt., 3c.



**SCABIOSA.**—Mourning Bride. Double dwarf varieties. Many colors mixed. Pkt., 5c.

**SCARLET RUNNER.**

**BEAN.**—Dark scarlet flower and pods. Pkt., 5c.

**SUNFLOWER, Globe of Gold.**—Is densely double, globe shaped flower of rich, deep, golden yellow color, being veritable globes of gold. Wonderfully beautiful. Pkt., 7c.

**Excelsior Branching.**—Has a single flower, five inches across, producing a pyramid of bloom. Pkt., 10c.

**Silver Leaved.**—Leaf is long and densely covered with long white hairs which give it a peculiar shining silvery appearance. Flowers clear golden yellow, three to four inches across. Pkt., 5c.

**Peerless Mixed.**—A splendid assortment of fifteen best varieties grown together on our grounds. Pkt., 5c; oz., 15c.

**Mammoth Russian.**—Largest of all and the most profitable to grow for feeding purposes. Pkt., 5c; lb., 25c.

**Pillar of Gold.**—Beautiful double flowers on short stems, close to the stalk. A veritable pillar of gold. Pkt., 5c.

## SWEET PEAS

These may well be called America's favorite, as it is such a popular and easily-grown flower that everybody can enjoy its fragrance and beauty.

**King Edward Spencer.**—Color of wings and standard carmine scarlet, with reverse of wings a rosy carmine, make a rich and strikingly handsome blossom. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.

**White Spencer.**—One of the finest type of the Spencer class. Flowers deeply waved and curled. Color pure white. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

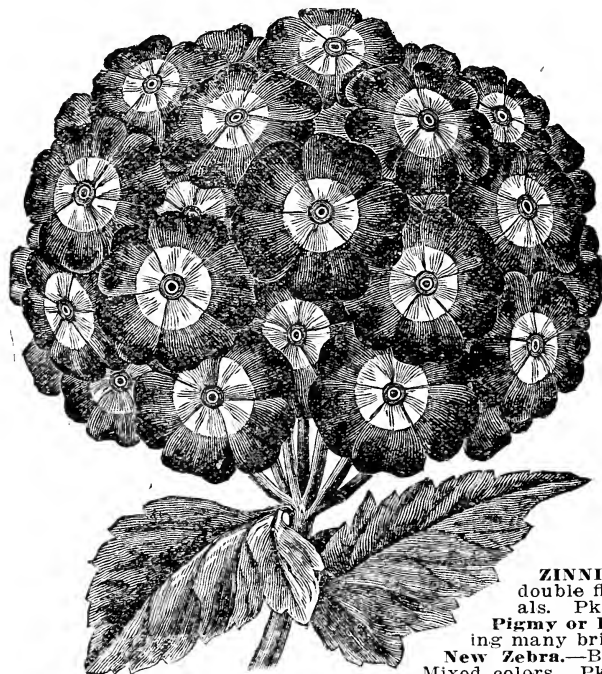
**Captain of the Blues Spencer.**—A name strikingly appropriate for this lovely flower. Standard is purple and the wings are bright blue petals finely frilled and waving; blossom is very large. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

One packet each of red, white and blue Spencer Sweet Peas for only 15c.

**Spencer Hybrids Mixed.**—Choice mixture of the Spencer types and varieties. This mixture has been specially and carefully grown that planters may have a chance to secure the Spencer type in varied colors at a reasonable cost. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

**Imperial Mixed.**—Sixty of the best varieties carefully selected so as to get the proper proportion of each color in the assortment. This makes the choicest mixture ever offered. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Perfect Mixed.**—Of graceful form, charming color, exquisite fragrance and simple loveliness. This mixture contains many choice new varieties and some old favorites. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.



MAMMOTH VERBENA

IMPERIAL MIXED SWEET PEAS

**SALPIGLOSIS.**—New Varied.—Pkt., 8c.

**SALVIA.**—Splendens.—A brilliant scarlet flower. Pkt., 10c.

**Mrs. C. N. Page.**—More dwarf than Splendens. Pkt., 20c.

**STOCKS.**—Large Flowering Dwarf German.—Pkt., 5c.

**Princess Alice.**—(Perennial White)—Pkt., 10c.

**SWEET WILLIAM.**—Giant Double Mixed.—Pkt., 5c.

**Single Varieties Mixed.**—The old favorite. Pkt., 5c.

**SENSITIVE PLANT.**—A pretty, curious plant, the leaves closing when touched. Pkt., 5c.

**THUNBERGIA.**—Beautiful rapid growing climbers; bloom freely. Pkt., 5c.

**VIOLETA ODORATA.**—Well-known Sweet violet; mixed colors. Pkt., 10c.

**VERBENA.**—New Century Mammoth.—Of most beautiful colors, largest flowers, and largest truss. When well grown every flower truss measures over nine inches in circumference, while single florets are large as a twenty-five cent piece. Pkt., 15c.

**Extra Choice Mixed.**—Finest collection of named sorts. Pkt., 7c.

**Fine Mixed.**—Contains a nice variety of colors. Pkt., 4c.

**WILD CUCUMBER.**—The quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, and very profuse bloomer. Pkt., 5c; oz., 20c.

**ZINNIA.**—Curled and Crested.—Large double flowers with peculiarly shaped petals. Pkt., 5c.

**Pigmy or Lilliput.**—Small bushy plants bearing many brilliant colors. Pkt., 7c.

**New Zebra.**—Beautifully and brilliantly striped. Mixed colors. Pkt., 5c.

**Finest Double Mixed.**—All colors. Pkt., 3c.

# GREENHOUSE PLANTS

**Notice.**—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until usual season for setting out. If plants are ordered for immediate shipment they will be sent at purchaser's risk. We pay postage at prices named.

**Special Express Rates.**—All express companies now carry plants at a reduction of 20 per cent from regular merchandise rates. If you wish your plants sent by express we will put in gratis a few extra plants to help pay the charges.



ASPARAGUS PLUMOSUS NANUS

**BEGONIAS.**—*Metallica.*—Has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded with white. Each, 10c.

*Argenta Gutta.*—Purple bronze leaves with silvery markings. Flowers are white. Each, 15c.

*Haageana.*—Flowers rosy pink, bright and attractive, plant tall. Shrubby, with hairs on stems and leaves. Each, 15c.

*Thurstanii.*—Under side of leaves rich purplish red, with prominent veinings, while the upper side is bronzy green, shaded crimson and olive and a metallic lustre over all. Flowers rosy white, borne in clusters. Each, 15c.

*Rex.*—Make a magnificent showing with their rich lustrous tints and tropical looking leaves. Each, 20c; large specimen plants, 40c.



REX BEGONIA

**WHITE ENCHANTRESS.**—Type and habit like the original Enchantress. Flowers extra large and of purest color. Each, 15c.

**EL DORADO.**—Canary yellow, distinctly edged and penciled bright carmine. Beautifully fringed, fragrant, and of striking appearance. Each, 10c.

**ABUTILON.**—*Savitzii.*—A most beautiful new variegated-leaved plant. Its large maple-like leaves are almost white, being blotched here and there only with clear, bright green, a most charming contrast. Each, 15c.

**Arthur Belsham.**—Green foliage. Flowers large, dark red without markings. Tall and erect. Strong grower, free bloomer; a satisfactory variety. Each, 15c.

**Golden Bells.**—The best yellow flowering variety; of dwarf habit. Each, 15c.

**ASPARAGUS.**—*Sprengeri.*—Splendid for hanging baskets or pots. It droops most naturally, sending out numerous feathery fronds, forming an exquisitely handsome and striking picture. Literally a mass of emerald green. Nice young plants, each 10c; large size, each 25c.

**Plumosus Nanus.**—Easily grown, even in a north window. Leaves bright green gracefully arched, and as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining freshness for weeks. Each, 10c; large, 25c.

**ACALYPHA.**—*Sanderi.*—(Chenille Plant)—A most striking ornamental plant of branching habit, healthy foliage and the flower spikes which appear in pairs from the axis of the leaves, grow from two to three feet in length. They are of a brilliant crimson color, drooping and mixing among the green foliage with charming effect. Desirable for outdoor bedding and in house. Each, 15c.

**ASTER PLANTS.**—All best varieties mixed. Price is low. Doz., 40c; 100 for \$3.00, prepaid.



ENCHANTRESS CARNATION

## CARNATIONS

**BEACON.**—Color is bright scarlet slightly tinged with orange. Produced on long stems which stand up well. Each, 15c.

**HARLOWARDEN.**—Is a bright, dazzling crimson flower. Each, 15c.

**ENCHANTRESS.**—Delightful blush pink in color. The original of the popular Enchantress type. Each, 15c.

**ROSE PINK ENCHANTRESS.**—A sport from the Enchantress and is of extra large size and of beautiful rose color. Each, 15c.

**MRS. THOMAS W. LAWSON.**—The immense pink variety for which \$30,000 was paid by Mr. Lawson. Flowers 3½ inches in diameter; color beautiful deep pink. Each, 10c.

## CHRYSANTHEMUMS

The most popular autumn flower. Beautiful as pot plants for decorative purposes, and specially lovely as cut blossoms for vases or personal adornment.

**Pacific Supreme.**—The earliest flowering pink sort. Blooms early October. Each, 10c.

**Mrs. H. Patrick.**—A bicolor flower of red and yellow. Large and fine. Each, 15c.

**Percy Plumridge.**—A Japanese incurved of bright shining yellow. Each, 15c.

**Mlle. C. Tousett.**—Incurved fine, white with glistening pearl tints. Each, 10c.

**Mrs. H. Robinson.**—Large size, pure white. Ea., 15c.

**Helen Frick.**—A bright shining pink. Each, 10c.

**J. Schrimpton.**—One of finest red varieties. Ea., 15c.

**Roi De Italia.**—A splendid new yellow. Each, 15c.

### OSTRICH PLUME VARIETIES.

**Beauty of Truro.**—A new Ostrich Plume of beautiful bronze color. Each, 15c.

**Leo Cadie.**—Finest of yellow Ostrich Plume sorts. Bright golden color. Each, 15c.

**La Enfaata.**—A new type of White Ostrich Plume chrysanthemum. Each, 15c.

One each of the three Ostrich Plumes, only 30c.

**CYCLAMEN.**—**Giant Flowered.**—Foliage broad, massive and graceful, of dark, olive green, beautifully variegated with silver and rose. The fairy-like flowers are carried on long stems and produced in profusion for several months; quite fragrant. Assorted colors. Each, 15c; extra large size, 25c.



PACIFIC SUPREME CHRYSANTHEMUM

**COLEUS.**—Used in our large city parks for ornamental beds, curving and quaint designs which look like varicolored rugs spread on smooth lawn.

**Golden Bedder.**—Color yellow. This is the best yellow coleus for bedding; deep gold in the sun.

**Mrs. John Boehmer.**—Rich maroon bordered with golden band. Large pointed leaf.

**Anna Pfister.**—Pointed leaves with deep scalloped edges. Color bright golden yellow intermingled with green and crimson. Of dwarf and compact, but spreading habit.

**John Pfister.**—Like above in dwarf habit, but of bright crimson color; edged with gold.

**Verschaffeltii.**—The oldest, still one of the best; dark rich velvety crimson.

Any variety named each, 10c; doz., 75c.

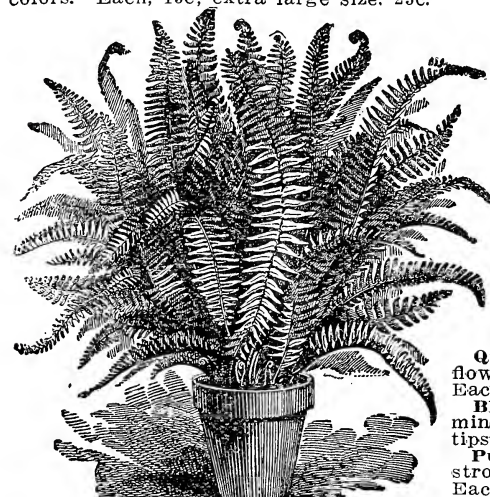
### FUSCHIAS.

**Queen Olga.**—A good grower, upright and free flowering. Single flowers of bright carmine red. Each, 15c.

**Black Prince.**—Tube and sepals bright carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Each, 10c.

**Purple Prince.**—A double purple flower on a strong and healthy plant. Each, 10c.

**Rosaines Paitre.**—



BOSTON OR SWORD FERN

Double white corolla with deep carmine sepals; a blossom of beautiful contrast. Extra large. Each, 15c.

**Gustave Nadaud.**—One of the newer varieties, double purple flowers of great size and substance. Each, 15c.

**Ballet Girl.**—One of the finest of double white Fuchsias. Beautiful large flowers. Each, 10c.

**Trophee.**—A standard double purple variety; very popular because it blooms freely. Each, 10c.

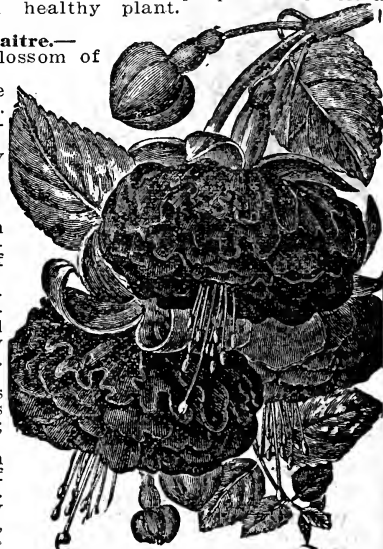
### FERNS.

**Boston Fern.**—(Improved Sword Fern)—Thrives in all rooms, gas or furnace heat does not seem to injure it. It is one of the most beautiful and useful of house plants. Each, 15c; large plants, 25c and 50c.

**Ostrich Plume Fern.**—(Piersonii)—A beautiful novelty which is a sport from the above, but is indescribably more beautiful. The fronds grow broad and heavy, measuring at least six inches across when fully developed, increasing in beauty as they grow larger. Each, 15c; large, 25c, 50c and \$1.00.

**Whitmani.**—Combining all the graceful pluminess and charm of *Elegantissima*, with additional features of shape, size and growth. Each, 20c; large, 50c; extra fine specimens, \$1.00.

**Elegantissima.**—This is a sport from the well-known Ostrich Plume Fern in which the plump peculiarity of the original form is even more distinctly developed. Plant is of much more compact habit, growing only one-half as tall, but with fronds nearly twice as wide, making it a much more desirable plant for all purposes. Each, 15c; large, 50c.



TROPHEE FUCHSIA



## SINGLE GERANIUMS

**Admiration.**—A flower of beautiful light salmon color, feathered with apricot. A delicate and lovely shade. Strong and robust. Each, 15c.

**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 with scarlet; center white. Each, 10c.

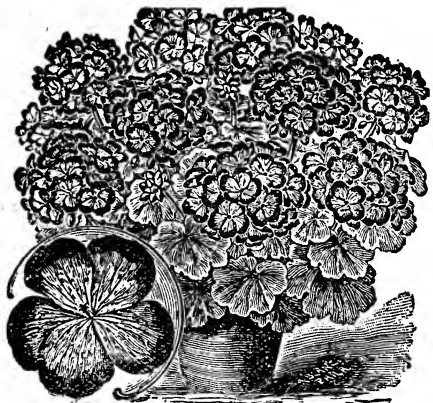
**Carmen Sylva.**—One of the very finest single white geraniums. Strong, healthy and vigorous, free blooming, with immense trusses that remain pure white even during the sunniest weather. Each, 15c.

**Glorie de Rouges.**—Bright, rich scarlet. Growth and habit strong and robust. One of the best of single scarlet for all purposes. Ea., 15c.

**Jaquerie.**—Fine shade of crimson scarlet flowers in immense trusses on very long stems. Fine for bedding, very vigorous grower. Each, 15c.

**Maxime Kovalevski.**—A brilliant orange. A fine growing 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.

**Yvette Prost.**—Fine large flowers and strong trusses. Color violet rose shading to white center. A striking and beautiful blossom. Each, 15c.



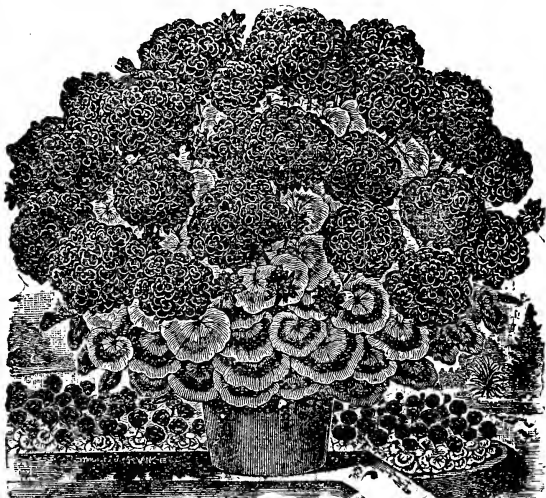
ALICE OF VINCENNES  
DOUBLE GERANIUMS.

**Beauty Poitevin.**—Great favorite, conceded one of the best semi-double sorts. Color salmon pink, shading to clear salmon in center. Each, 15c.

**Bertha De Presilly.**—A beautiful light pink. Stands sun without fading. Will be sure to give satisfaction, for beds or in pots. Each, 15c.

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

**S. A. Nutt.**—The best crimson bedding variety. This, the finest of dark crimson geraniums, has now taken 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, profuse blooming qualities and sun-proof constitution combined give it the prominence as a bedder it has attained. As a pot plant is cannot be excelled. We sell thousands for borders and large beds. Each, 10c; doz., 85c. By express, not prepaid, 50 for \$2.75; 100 for \$5.00. Large plants from four-inch pots by express, per dozen, \$1.50.



S. A. NUTT

## FANCY LEAVED GERANIUMS.

**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, 15c.

**Mrs. Pollock.**—Magnificent. Green leaf disc, overlaid by beautiful bronze, red, belted with bright crimson, outwardly margined with golden yellow. Each, 15c.

**Marshall McMahon.**—Golden yellow, marked with a deep chocolate zone. A splendid bedding variety. Each, 15c.

## 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, 25c.

**Jean de Arc.**—Very large and finest white in existence. Perfectly double, white as snow; flowers literally cover the plant when in full bloom. Each, 10c.



WM. LANGGUTH



NIGHT BLOOMING JASMINE

**Paniculata Grandiflora.**—(See shrubs). Each, 10c; large, 30c.

**Arborescens.**—The new snowball hydrangea.—(See shrubs). Each, 20c; large, 50c.

**IMPATIENS.**—**Sultana.**—Beautiful plant producing waxy, bright flowers, of rosy scarlet almost continuously, winter and summer; suitable for either pot or garden culture. Of compact growth; almost a perpetual bloomer. Each, 10c.

**White Lady.**—A fine pure white, desirable for contrast. Each, 15c.

**JASMINE.**—**Night Blooming.**—World famous variety, producing pure white fragrant flowers incessantly. Each, 15c.

**Cape Jasmine.**—(Gardenia Florida)—A pretty, low growing evergreen shrub with thick, glossy green leaves and waxy white double flowers of delicious sweetness; highly valued for winter flowering. Each, 20c.

**Grandiflorum.**—Flowers pure white, star shape. Fragrant. Each, 15c.

**LANTANA.**—Leo Dix.

**Amiel.**—Semi-dwarf, very compact; fine bloomer, umbel and floret fine size. Reddish orange with yellow center. Each, 10c.

**Weeping.**—A beautiful trailing variety, very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of lovely clear pink flowers from early summer until late in the fall. Each, 15c.

**LEMON VERBENA.**—A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. In good rich soil each plant will cover a space of 3 to 4 feet in diameter. Each, 10c; doz., \$1.00.

**MARGUERITE DAISY.**—**White.**—Improvement on the old White Marguerite. Is much larger and will produce ten times as many flowers. Each, 10c; doz., \$1.00.

**Blue.**—(Agatha)—Plants are fairly loaded with clear sky-blue flowers. Each, 10c.

**Yellow.**—Similar to above, but of canary yellow color. Each, 10c.

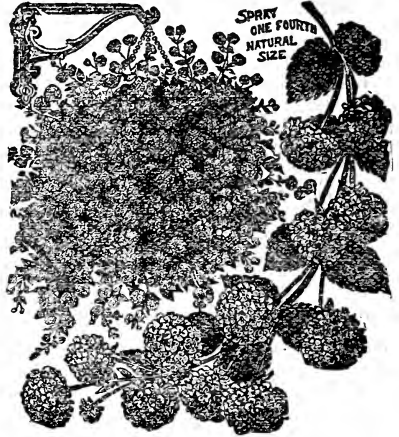
**Queen Alexandra.**—Great improvement on the White Marguerite, larger flowers, produced in greater abundance, many flowers coming perfectly double. Each, 15c; dozen, \$1.25.

**OTAHETE ORANGE.**—An extra fine pot 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. Each, 15c. Large size, 50c, by express, not prepaid.

**PONDEROSA LEMON.**—On a plant six feet high no less than eighty-nine of these ponderous lemons were growing at one time. It was a beautiful sight to see. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from the tree weighing over four pounds. Strong plants, each 15c, postpaid. The large two-year-old plants, 50c and 75c each by express, not prepaid.



PONDEROSA LEMON



WEeping LANTANA

SPRAY ONE FOURTH NATURAL SIZE



FANTASA DOUBLE PETUNIA

**Choice Bedding Mixed.**—Per doz., 35c; four doz., \$1.25; 100 for \$2.00, postpaid.

**SALVIA.—Splendens.**—The plants appearing to be almost completely hidden by the mass of brilliant scarlet flowers. Each, 10c; doz., \$1.00.

**Snowstorm.**—A white flowered, tall growing variety. Each, 10c; doz., \$1.00.

**Purple Prince.**—A beautiful purple shade of this popular flower. Each, 10c; doz., \$1.00.

**Silver Spot.**—Foliage green, spotted clear white; flowers bright scarlet. Each, 15c; doz., \$1.25.

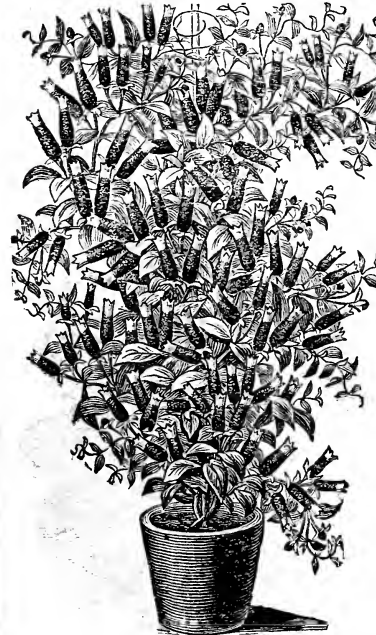
**STREPTOSOLEN.—Jamesoni.**—Belongs to the Browallia class. Grows one to two feet high and produces flowers of beautiful orange scarlet. Each, 15c; doz., \$1.25.

**VERBENAS.**—We have a large stock of the large flowered varieties which bloom freely and are of finest colors. Ea., 10c; doz., 75c.

**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. Erect, rigid, sword-like leaves which are thick and fleshy, dark green color, beautifully striped crosswise with white. Each, 15c; large plants, 40c.



SANSEVERIA ZELANICA



MANETTA VINE

**DOUBLE PETUNIAS.—Vivian.**—A beautiful bright glowing red, bordered white, finely fringed. Ea., 15c.

**Fantasa.**—A handsome double white and purple petunia. Petals are usually fringed. Striking variegation. Each, 15c.

**Defender.**—A beautiful light variegation on still lighter ground color. A beautiful sort in contrast with the darker shades. Each, 10c.

**Helen Gould.**—A beautifully fringed pink variety. One of the handsomest sorts in existence. Each, 15c.

**Snow Queen.**—This is an extra choice new double white petunia unsurpassed; for keeping has no equal. Each, 15c.

**Double Mixed.**—Best blotched and fringed sorts. Mixed varieties. Each, 10c; doz., 90c.

**PRIMROSE.—Mexican.**—Is a perpetual bloomer, in flower all times of the year, a good specimen showing always from ten to 30 large saucer-shaped blossoms 2 or 3 in. across, of several beautiful colors. Ea., 10c.

**Obconica.**—A lovely perpetual blooming primrose. Flowers of rose lilac, shading to white. Each, 10c.

**Chinese.**—Flowers are all shades of color, with distinct and beautiful markings. Each, 15c.

**PANSIES.**—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. Per doz., 50c; 4 doz., \$1.50; 100 for \$3.00, postpaid.

#### TENDER VINES AND BASKET PLANTS.

Listed separately for the convenience of our patrons who desire them for special uses.

**MANETTA.—Bicolor.**—The flower is of the size and shape shown in our illustration, and of brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Each, 10c; large size, 25c.

**IVIES.—English.**—An old favorite vine. Each, 10c; large, 25c.

**German.**—Well-known ivy which is very popular. Each, 10c; doz., 75c.

**MOON FLOWER.—White.**—A 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, 15c; doz., \$1.25.

**SAXAFRAGA.—Strawberry Geranium.**—The well-known, much used old plant for hanging baskets or vases. Long strawberry-like runners. Each, 15c.

**PASSION FLOWER.—Mammoth.**—Will climb up a trellis 10 to 12 feet high in a season. The flowers are 3 to 4 inches across and the colors a remarkable combination of white and blue. Each, 15c.

**Constance Elliott.**—A white flowered mammoth variety. Each, 15c.

**VINCA MAJOR.—Elegantissima.**—The long, trailing stems of glossy green leaves are broadly margined and variegated with white and they are always bright and pretty. Of easiest culture, will stand neglect and mistreatment and grow very rapidly. Blue flowers. Each, 10c; doz., \$1.00. Large size, 25c.

**Harrison.**—Similar to the above, but with darker variegation. Each, 10c; doz., \$1.00.

## 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.

**BARON VON MARSCHALL.**—Dark carmine, buds long and pointed, flowers large, full and of perfect imbricated form. Each, 15c; two-year-old plants, 35c.

**BON SILENE.**—One of the oldest varieties, has been grown for 70 years. Color deep rose, though varying at times to a lighter shade. Each, 10c; two-year-old plants, 25c.

**BRIDE.**—A fine pure white cut flower rose. Very double. Buds are of very large size, carried high and erect; unsurpassed for purity and whiteness. Each, 15c; two-year-old plants, 25c.

**BRIDESMAID.**—Like the Bride, but of a lively shade of clear pink. Thousands of this sort are grown every year for cut flowers, and it is also very desirable for summer bedding out of doors. Each, 10c; two-year-old plants, 25c.

**CHATENAY.**—Flowers are of elegant shape with slightly recurved petals. Color is creamy rose shaded with rose carmine. Each, 15c; two-year-old plants, 35c.

**CHAMPION OF THE WORLD.**—Claimed it will produce more flowers during the year than ten plants of any Tea Rose. Blossoms are semi-double to center, of good shape. Color, rich, deep, rosy pink. Each, 15c; two-year-old plants, 30c.

**COQUETTE DE LYON.**—Light canary yellow color. Flowers are extra large, finely formed, deep and double. Each, 15c; two-year-old plants, 35c.

**FRANCISCA KRUGER.** **CHAMPION OF THE WORLD**—Strikingly beautiful deep copper yellow; quite unique and distinct from all others. Each, 15c; two-year-old plants, 35c.

**GOLDEN BEDDER.**—The finest golden yellow Tea Rose. Each, 20c; two-year-old plants, 35c.

**GOLDEN GATE.**—Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each, 10c; two-year-old plants, 25c.

**HERMOSA.**—An old favorite variety. Color a beautiful shade of bright pink. Each, 10s; two-year-old plants, 25c.

**IVORY.**—Flower is pure white; a strong grower, vigorous and healthy. Ea., 10c; two-year-old plants, 25c.



BARON VON MARSCHALL



HERMOSA

**KING OSCAR.**—It is such a rich, dark color that in comparison with other varieties it appears almost a maroon black. Each, 20c; doz., \$1.75. Large two-year-old plants, each, 40c; doz., \$3.50.

**MARIE VAN HOUTTE.**—Flowers deep, double, canary yellow in color. As they mature color changes to cream with tints of rose. Each, 15c; two-year-old plants, 30c.

**MAD. DE WATTEVILLE.**—The tulip rose. A beautiful variety, color cream yellow, tinted rose pink. Petals are bordered with crimson, making it a striking and attractive. Each, 15c; two-year-old plants, 30c.

**METEOR.**—The color is bright, rich, velvety crimson, a delightful shade and the most popular of colors. Each, 15c; two-year-old plants, 30c.

**RICHMOND.**—Strong rival of American Beauty. Beautiful scarlet crimson. Each, 15c; two-yr.-old plants, 30c.

**UNCLE JOHN.**—Always in bloom during growing season. Flowers fine buff yellow, shading to pink and white; fragrant, very large and double. Each, 15c; two-year-old plants, 30c.

**FRANCES E. WILLARD.**—This extremely beautiful new pure white everblooming rose has proven a most valuable variety for garden bedding. Blooms much more second season than first. Ea., 15c; two-year-old, 35c.



RICHMOND



MRS. JOHN LAING

**HARDY CLIMBING ROSES.**

For porches and trellises nothing surpasses the climbing roses.

**THOUSAND BEAUTIES.**—(Tausendschon)—A hybrid from crossing the Crimson Rambler with Tea and Polyantha varieties. Blossoms are borne in large clusters. The colors range from white to rich carmine with various tints between, so that seldom will two blossoms be of the same shade. Not so thorny as most varieties. Each, 20c; dormant, 40c.

**KEYSTONE.**—In this we have at last secured a hardy ever blooming rose of bright lemon color and delicious fragrance. Each, 15c; dormant, 35c.

**RUSSELL'S COTTAGE.**—Dark crimson, very double and full. Each, 15c; dormant, 30c.

**SEVEN SISTERS.**—Crimson, changing all shades of white. Blooms in clusters. Each, 15c; dor't, 25c.

**MARY WASHINGTON.**—Hardy, perpetual blooming climber, producing double snow white blossoms from June until frost. Each, 15c; dor't, 30c.

**RAMBLERS.**

**PHILADELPHIA RAMBLER.**—An improvement on the Crimson Rambler. Begins blooming two weeks earlier and color is brighter, more intense crimson; almost entirely free from mildew. Each, 15c; dormant, 30c.

**CRIMSON RAMBLER.**—The most popular rose in existence, as it is always satisfactory. Each, 10c; strong dormant plants, 25c.

**YELLOW RAMBLER.**—Like above except that it is golden yellow. Each, 10c; dormant, 25c.

**WHITE RAMBLER.**—Pure white, very fragrant. Each, 15c; dormant, 25c.

**PINK RAMBLER.**—Of shining rose color. Each, 10c; dormant, 30c.

**BABY RAMBLER ROSES.**

**CRIMSON BABY RAMBLER.**—The very best bedding rose in existence. The bush is vigorous, absolutely hardy, about 27 inches in height. Sometimes as high as 120 flowers have been counted on a single panicle. Well-grown plants, each 15c; per dozen, \$1.50. Large two-year-old dormant plants, each 40c.

**WHITE BABY RAMBLER.**—(Catherine Zeimet)—The true Baby Rambler type, with pure white flowers. Deliciously fragrant and perfectly hardy. Each, 15c; two-year-old growing plants, 35c.

**BEAUTIFUL HARDY ROSES.**

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value.

**AMERICAN BEAUTY.**—One of the best and most valuable roses. Color rosy crimson, exquisitely shaded and very handsome. Extra large, full flowers and fine buds. A good bloomer. Each, 15c; dormant, 35c.

**GLORIE DE MARGOTTIN.**—One of the very finest varieties. Color is clear, dazzling red. It is certainly one of the most brilliant roses ever seen. Each, 15c; dormant, 40c.

**PAUL NEYRON.**—Double flowers of shining carmine pink. Largest rose known and one of the most prolific bloomers. Each, 15c; dormant, 30c.

**COQUETTE DES ALPS.**—Flowers are large and full, finely formed and pure white. Profuse bloomer. Each, 15c; dormant, 30c.

**MRS. JOHN LAING.**—A beautiful soft pink; delicious fragrance; very double and of large size. Each, 15c; dormant, 30c.

**GENERAL JACQUEMINOT.**—Color a rich dazzling scarlet, shaded with deep velvety crimson, a superb glowing color. Each, 15c; dormant, 30c.

**BARON DE BONSTETTEN.**—The Black Rose.—Rich, dark red, passing to a deep velvety maroon, nearly black. Large; highly scented. Each, 15c; dormant, 35c.

**VICK'S CAPRICE.**—Is perfectly hardy. Flowers are large, soft, satiny pink, distinctly striped and dashed with white and carmine. Each, 15c; dormant, 30c.

**ULRICH BRUNNER.**—Rich, glowing crimson scarlet; flowers of exquisite shape. Ea., 15c; dormant, 30c.

**GENERAL WASHINGTON.**—Color a brilliant crimson, very rich and beautiful; large, perfectly double and fine bloomer. Each, 15c; dormant, 30c

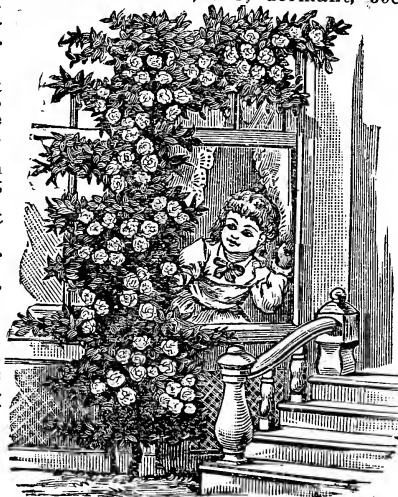
**MOSS ROSES.**

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossoms; half hardy; needs winter protection.

**PRINCESS ADELAIDE.**—Deep pink buds surrounded by mossy fringe; fine. Each, 20c; dormant, 30c.

**CRIMSON MOSS.**—Large flower; deep, rich crimson, very mossy, fragrant; one of best. Each, 15c; dormant, 35c.

**WHITE MOSS.**—Everyone should have this. Each, 15c; dormant, 35c



MARY WASHINGTON



JACKMANII CLEMATIS

**Paniculata.**—Small flowered variety of Clematis. Flowers pure snow-white, produced in immense clusters, fairly covering the plant with a mass of fleecy white; deliciously fragrant. Each, 15c; large, extra strong plants, 35c.

**HONEYSUCKLE.—Red Coral.**—Produces its bright red, fragrant, trumpet-shaped flowers almost continuously. Each, 15c; doz., \$1.50; large plants, 25c.

**Halliana.**—(Hall's Japan)—Flowers pure white changing to yellow, and of peculiarly delicious fragrance. Fine for trellises or pillars. Each, 10c; doz., \$1.00. Large two-year-old plants, 20c; doz., \$2.00.

**Golden Leaved.**—Slender, moderate grower; prevailing color of foliage is bright yellow; flowers yellow and sweet-scented. Each, 15c; large plants, 25c.

**WISTARIA.—Blue Chinese.**—Perfectly hardy, climbing fifty feet. Each, 15c; large, 35c.

## HARDY VINES

**AMPELOPSIS.—Veitchii.**—(Boston Ivy)—Very beautiful hardy climbing plant. Each, 15c; doz., \$1.25. Large plants, 25c; doz., \$2.50.

**Engelmannii.**—Has the upright manner of growth of the Veitchii and is preferred by many because of its much heavier growth of leaves. Each, 15c; large, 25c.

**CINNAMON VINE.**—A tuberous-rooted, hardy vine. Has beautiful heart-shaped leaves and clusters of delicate white flowers and cinnamon fragrance. Large tubers, each 10c, 3 for 25c; doz., 75c. Bubbles from which the large tubers can be grown in one season, doz., 10c; 100 for 60c.

**LYCIUM.—Chinese Matrimony Vine.**—Every new shoot becomes filled with small purple flowers, which are followed by brilliant scarlet berries which remain on the vine until winter. The long stems droop gracefully. Ea., 10c; large, 25c.

**HARDY CLEMATIS.**—The most popular climbing plant.

**Jackmanii.**—Flowers four to six inches in diameter, of a rich, deep, velvety purple, distinctly veined. It is a prince among all hardy flowering vines. Strong plants, each 50c.

**Henryii.**—Briefly a white flowered Jackmanii. Each, 50c.

**Mad. Edouard Andre.**—Nearest to bright red. Each, 50c.

## HARDY SHRUBS

There is nothing which is so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs.

**ALTHEA** (Rose of Sharon)—**Double White, Red, Purple, Bicolor.** Each, 25c.

**CYDONIA.—Japonica.**—(Japan Quince)—Bright scarlet crimson flowers. Blooms early in the spring. Each, 15c; large, 35c.

**DEUTZIA.—Pride of Rochester.**—It is a very desirable shrub of strong, hardy growth, bearing abundance of beautiful racemes of double white flowers. Each, 15c; large, 30c.

**FORSYTHIA.—Suspensa.**—(Golden Bell)—Of weeping or pendulous habit; bright yellow flowers. Each, 15c; large plants, 25c.

**Fortunata.**—A more upright-growing variety. Each, 15c; large, 25c.

**Viridissima.**—Blooms among first shrubs. Flowers yellow, drooping and in great numbers. Each, 15c; large, 25c.

**HYDRANGEA.—New Snowball.**—(Arborescens Grandiflora Alba)—A magnificent new variety of the hardy hydrangea. The blooms are like the snowball. Each, 15c; large, 40c.

**Paniculata Grandiflora.**—Unsurpassed for the lawn, a hedge, or cemetery planting. It readily attains a height of 5 to 7 feet; flowers are massive, cone-shaped, sometimes ten inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red. Each, 10c; doz., \$1.00. Per 100, by express, \$7.00. Large dormant plants, each 30c; dozen, \$2.50. Large tree form plants, 75c. **Special**—Two-year-old plants grown specially for hedges, by express, per 100, \$12.75; 25 for \$3.50.

**LILACS.—Persian.**—A well-known shrub, bearing large, purple flowers. Each, 15c; large, 25c.

**Single White.**—Has white flowers. Each, 15c; large, 35c.

**Fiery Plum.**—A novelty in lilacs. The brightest and nearest red. Ea., 25c; large, 50c.

**New Double White.**—A novelty of great merit; truss is of large size, and produced in profusion. The individual flowers resemble miniature tuberose. Each, 25c; large, 50c.

**Common.**—The old standard variety with bluish purple flowers. Each, 15c; large, 25c.

**SNOWBALL.—Common.**—A well-known and popular shrub covered with dense white flowers. Each, 15c; large, 25c.

**Japan.**—A valuable improvement on the common snowball. Each, 15c; large, 35c.

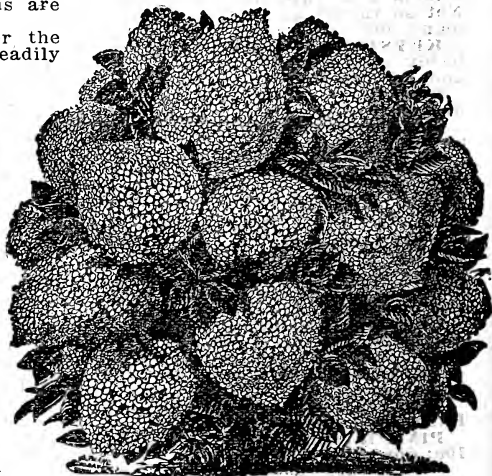
**SYRINGA.—(Mock Orange)**—Immense masses of pure white, intensely fragrant flowers in June. Each, 15c; large, 30c.

**Grandiflora.**—One of strongest growing varieties with large flowers. Ea., 15c; large, 30c.

**SPIREA.—Billardii.**—A strong growing variety, pink flowers. Each, 15c; large, 25c.

**Anthony Waterer.**—Makes a dwarf bush 15 to 18 inches high, with large heads of crimson flowers. Each, 10c; doz., 85c. Large, 25c; doz., \$2.00.

**Van Houttei.**—(Bridal Wreath)—Pure white flowers borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of a snowbank of white bloom. Each, 15c; doz., \$1.25; per 100, \$8.50. Large, each, 25c; doz., \$2.00; per 100, by express, \$14.00.



HYDRANGEA, PANICULATA GRANDIFLORA

## HARDY FLOWERING PLANTS

These require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older.

**ACHILEA.—White Pearl.**—Finest of all plants for cemetery planting. Flowers good sized, forming a beautiful plant eighteen inches high, completely covered with white flowers from July until frost. Each, 10c; doz., 75c.

**CANTERBURY BELLS.**—We can furnish both double and single in assorted colors. Each, 10c; doz., \$1.00.

**COREOPSIS.—Grandiflora.**—Very desirable for permanent plantings, producing flowers of bright yellow from June until frost. Flowers last a long time in bouquets. Each, 15c; doz., \$1.50.

**COLUMBINE.**—The Columbines are old favorite late spring and early summer blooming plants growing about 2 feet high, that succeed in any ordinary garden soil. Each, 15c; doz., \$1.25. Large clumps, each 25c.

**DAY LILY.—White.**—(Funkia).—A very beautiful plant for partly shady places. Large, round, heart-shaped leaves, clusters of fragrant lily-shaped white flowers. Each, 15c; doz., \$1.50.

**Blue.**—Flowers are of a lovely blue color, borne on tall spikes. Each, 10c; doz., \$1.00.

**Variegated.**—Beautifully mottled, dark green and pure white leaves, lilac flowers. Each, 15c; doz., \$1.50.

**FOXGLOVE.—Digitalis.**—Are used extensively with good effect in shrubberies and in other shady situations. Each, 10c; doz., \$1.00. Large clumps, each 25c.

**DICENTRA.—Spectabilis.**—The old Bleeding Heart, bears long chain of pendulous bloom of exquisite beauty. Each, 15c; doz., \$1.40.

**GAILARDIA.—Grandiflora.**—The flowers are large, from 2½ to 3½ inches in diameter, of gorgeous coloring. Center is dark reddish brown. Petals brilliant scarlet, crimson, orange and vermillion. Each, 15c; doz., \$1.50.

**CRIMSON EYE HIBISCUS.**—A robust grower with dark red stems and foliage. The flowers are immense in size, often measuring 20 inches in circumference. The color is of purest white, with a large spot of deep velvety crimson in the center of each flower. Each, 15c; doz., \$1.25; extra large, 25c.

**JAPANESE IRIS.—Kaempferi.**—Among the most beautiful of our summer flowering plants. Of immense size and beautiful colors. Blossoms 8 to 10 inches across and of most beautiful colors, markings and combinations—white, indigo, purple, bluish, yellow, etc. Double mixed, each, 15c; doz., \$1.50. Single mixed, each, 15c; doz., \$1.25.

**Dwarf hardy plants that will grow anywhere and increase in beauty every year. Delightful clove-like fragrance.**

**Her Majesty.**—A grand variety; plants grow to large size, spreading and producing immense numbers of pure white, double flowers. Ea., 10c; doz., \$1.00.

**Souv de Saie.**—Soft rosy pink, very double. Each, 15c; doz., \$1.25.

**HELIANTHUS.—Multiflorus Plenus.**—This should be in every garden and will give entire satisfaction. Flowers from 3 to 4 in. in diameter, double as any Double Dahlia, and cover plant from the ground to the top. Color a bright golden yellow. Each, 15c; doz., \$1.25.

**HEMEROCALIS.—Kwanso.**—(Double Corn Lily)—A double flowering orange lily. Flowers beautiful orange, shaded copper, and blooms freely during July and August. Each, 10c; doz., \$1.00.

**GERMAN IRIS.**—The true "Flour-de-Lis," the national flower of France. Perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water or if planted in moist situation.

**Mme. Chereau.**—Tall growing sort. The standard petals white, edged lilac; fall petals violet. Very large flowers and strong spikes.

**Florentina.**—Early, tall, flowers blue. Fine variety.

**Florentina Alba.**—A lovely soft white, very handsome plant. Very early bloomer; tall. Plant with Florentina for contrast.

**Gipsy Seedling.**—Standards rich cream yellow; falls deep purple; medium height.

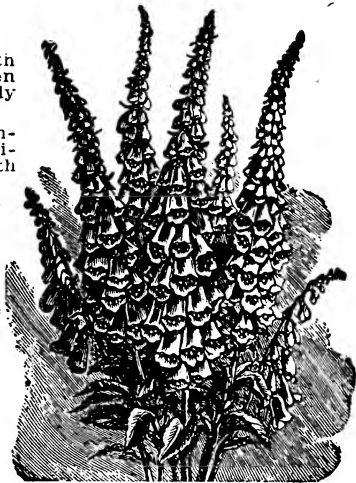
**Honorable.**—Standards cream yellow; falls chestnut brown; medium height. Striking in contrast planting.

**Canary Bird.**—Standards are canary yellow; falls white striped with dark purple. A very fine variety. Not tall, and flowers just at top of plant.

**Celeste.**—(King of the Blues)—Standards lavender blue; falls dark blue. Dark growing and beautiful.

**Flavencens.**—Standard cream white; falls cream, veined with bronze. Tall growing; later than most sorts, but fine for contrast.

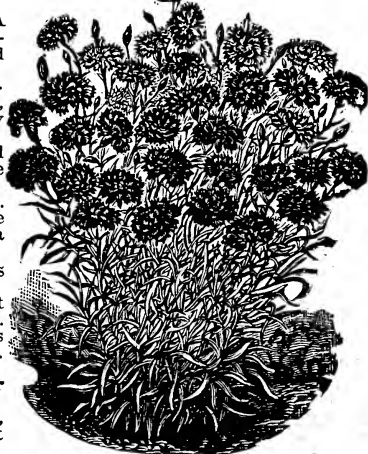
Any of the above named sorts, 10c each; doz., \$1.00.



FOXGLOVE (DIGITALIS)



HEMEROCALIS KWANSO



HARDY GARDEN PINKS

## PAEONIES

They are as hardy as an oak, of the easiest culture, most vigorous habit, and free from all disease and insects. Many of the newer varieties are quite fragrant and well adapted for large showy bouquets.

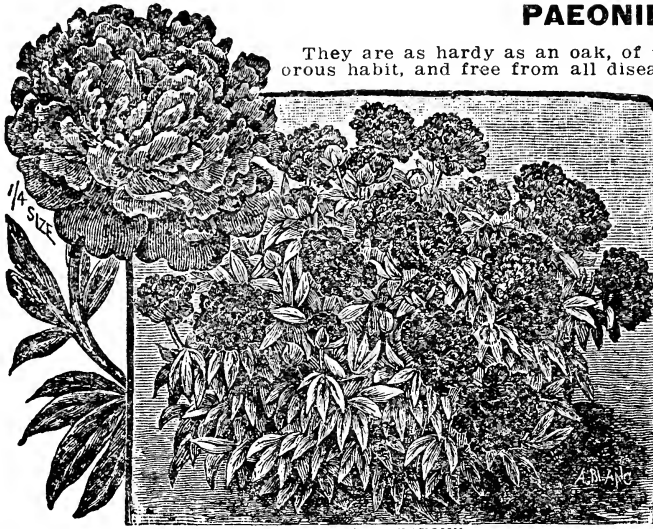
**Festiva Maxima.**—Color is of the purest snow white with sometimes slight carmine marks in the center. Each, 50c; doz., \$5.00.

**Queen Victoria.**—Very double and compact; color flesh white, white center, petals lightly spotted with red. Each, 25c; doz., \$2.50.

**All Aglow.**—A magnificent pink. Outer and guard petals are a delightful pink, while entire center is a rich salmon. Ea., 35c; doz., \$3.50.

**Humelii.**—Color a bright cherry red; delightfully fragrant. Elegant foliage; a fine specimen for the lawn. Blooms late. Each, 25c; doz., \$2.50.

**La Esperance.**—An exceedingly vivid rose-colored flower, growing compact and



GRANDIFLORA RUBRA PAEONY

highly perfumed. Early and free flowering. Each, 25c; doz., \$2.50.  
**Grandiflora Rubra.**—Probably the largest red variety in existence, often 8 or 9 inches across. Give it rich soil and you will be surprised. Each, 50c; doz., \$4.75.

**Andre Lauries.**—A very double flower of deep bright red. Blooms till late in the season. Each, 25c; doz., \$2.50.

**HARDY PHLOX.**—Flowers are very large and have exceedingly brilliant shades of color. They bloom from June until very late fall.

**Amorite.**—Ground color white overlaid with l lac. Center rosy crimson. Each, 10c.

**Bridesmaid.**—White with large crimson carmine center. A striking and harmonious combination of color. Each, 15c.

**Maculata.**—A tall, vigorous growing variety with large trusses. Color rosy crimson. Each, 15c.

**Obergartner Wittig.**—A bright magenta with crimson carmine eye. Large flower and truss. Each, 15c.

**Pearl.**—Best pure white variety. Large, beautiful flowers. Each, 10c.

**Henry Murger.**—Flowers are extra large, floret white with very large crimson center. Each, 15c.

**CREeping PHLOX.**—We can furnish three colors: Pure white, deep pink and light blue. Each, 10c; doz., 75c; 100, \$5.00.



RUBBECKIA OR GOLDEN GLOW

**GRASS PINKS.**—The hardy and pretty clove-scented flowers which our grandmothers loved. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each, 10c; dozen, 75c.

**RUBBECKIA.**—**Golden Glow.**—A glorious hardy plant that should find a place in every garden. It attains a height of 6 to 8 feet, and a small plant set out in the spring will produce hundreds of blossoms. Nice for a screen row at back of lawn. Price, 10c; doz., \$1.00.

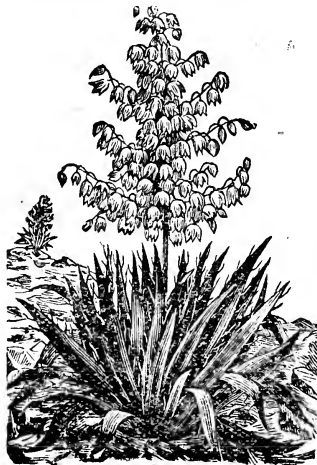
**SWEET WILLIAM.**—One foot high. Flowers are borne on heads or umbels, with individual flowers nearly an inch across. Color white, pink, crimson, carmine, purple, etc., with eyes and rich markings. Each, 10c; doz., 85c. Field-grown clumps, each 25c.

**SHASTA DAISY.**—Flowers extremely large and graceful, about 4 inches in diameter with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly two feet in length. Each, 15c; doz., \$1.25. Field-grown clumps, 25c.

**VIOLETS.**—**Swanley White.**—Plants are of vigorous growth, producing a great many of the pure, snowy white, double flowers. Each, 10c; doz., \$1.00.

**Lady Campbell.**—Fine large double flowers of deep, rich purple color. Each, 10c; doz., \$1.00.

**YUCCA.**—**Filamentosa** (Adam's Needle)—Tropical looking plant with long, narrow leaves; remains green the entire year. Grows in clumps and throws up a flower stalk from 3 to 4 feet high, from which hang 100 to 300 creamy white, bell-shaped flowers. Each, 15c; doz., \$1.50.



YUCCA FILAMENTOSA



## SUMMER BLOOMING BULBS



CALADIUM ESCULENTUM

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the caladium, and the wonderful markings of the tigridia.

**CALADIUM.—Esculentum.**—(Elephant's Ear)—A splendid tropical plant; it grows 4 to 5 feet, with immense leaves, beautifully veined and variegated with different shades of green; leaves often growing 3 feet long. Medium sized bulbs, 15c, 3 for 40c; large bulbs, 25c, 3 for 60c; mammoth bulbs, 40c, 3 for \$1.00.

**CALLAS.—Mammoth White.**—Largest flowering variety and most majestic, with large tropical appearing leaves of bright green color, and yielding a profusion of white flowers. Large bulbs, each 25c; 3 for 60c; medium size, 15c; 3 for 40c.

**Spotted Leaf.**—For planting in the garden in summer. Each, 10c; dozen, \$1.00.

**CANNAS.**—Such a great improvement has been made in Cannas during the past few years that they may well be called "glorious." They are generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

**Alsace.**—Color is a creamy white, without any spotting, and when grown with the dark yellow and red varieties appears like clear white. Each, 15c; doz., \$1.30.

**Burbank.**—The well-known Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches. Flower is rich canary yellow; crimson spots near center. Height 5 feet. Each, 15c; doz., \$1.20.

**Buttercup.**—Beautiful clear yellow flower; large spikes. Each, 15c; doz., \$1.50.

**Crimson Bedder.**—One of the most showy flowered. Bright crimson scarlet. Each, 10c; doz., \$1.00.

**Dr. Nansen.**—Flower a clear bright yellow. Strong, vigorous and free flowering dwarf sort with large blooms of good substance; 2½ to 3 ft. Each, 20c; doz., \$2.00.

**Dr. Robert Funke.**—A scarlet-flowered variety growing heavy, dense blossoms of beautiful brightness. Height 4 to 4½ ft.; green foliage. Each, 20c; doz., \$2.00.

**Florence Vaughan.**—Height 5 feet. Dark green foliage; yellow flowers, spotted with bright red. Each, 10c; doz., \$1.00.

**Louisiana.**—Orchid flowered, color vivid scarlet. A strong grower; height 6 feet. Foliage green. Each, 20c; doz., \$2.00.

**Madam Crozy.**—Height 3½ feet. Green foliage; flowers vermilion red, gold bordered; a succession of flower trusses. Each, 10c; doz., \$1.00.

**Mie Beratt.**—Brightest pink. Blooms profusely; height 3½ feet. Each, 15c; doz., \$1.50.

**Pres. Meyer.**—Height 4½ feet. A dark foliage variety, with very large petaled flowers of cherry red. A choice variety. Each, 15c; doz., \$1.50.

**Richard Wallace.**—Height 4½ feet. Flower canary yellow; large flowers carried well above foliage. Strong, robust grower; dark green, massive foliage. Each, 15c; doz., \$1.50.

**Venus.**—Flower bright pink, with narrow border of bright lemon yellow, center and throat spotted orange. Each, 15c; doz., \$1.50.

**Mixed Bedding Cannas.**—Each, 8c; doz., 75c.

**DAHLIAS.**—One of the showiest of autumn flowers. They have been greatly improved; start roots in house. Why dry roots are sold out, we fill orders with strong rooted plants.

**Catherine Duer.**—Bright, shining red of decorative form; fine cut flower. Ea., 20c; 3 for 50c.

**Crimson Cactus.**—A desirable dark crimson variety. Each, 15c; 3 for 40c.

**Mrs. Chas. Turner.**—Extra large, with long pointed petals and perfect form. Color bright lemon yellow. Each, 15c; 3 for 40c.

**Ethel Vick.**—Early blooming, shell pink variety; handsome. Each, 15c; 3 for 40c.

**Grand Duke Alexis.**—Flowers of the largest size known in dahlias, being 18 in. in circumference, and of most beautiful form, petals being rolled up, overlapping each other. Pure snow white, slightly tinged delicate pink at center. Each, 25c; 3 for 65c.

**Maid of Kent.**—The richest crimson velvet color imaginable; about half of the petals are tipped with a large spot of white, thus adding greatly to its brilliancy. Flowers are very large. Each, 15c; 3 for 40c.

**Miller's Red.**—Bright red color, fine form and splendid size. Each, 15c; 3 for 40c.

**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, very freely and continuously. Each, 15c; 3 for 40c.

**Queen Emma.**—A paony flowered sort. Ground color bright rose, yellow margined. A strong, robust grower. Flowers are borne on long stems and are fine for cutting. Each, 25c; 3 for 60c.

**Red Hussar.**—A double show dahlia of bright carmine red. Fine form and vigorous growth. Each, 20c; 3 for 40c.

**Wm. Agnew.**—Carmine red, rich and bright. Decorative type. Each, 20c; 3 for 50c.

**Wm. Pierce.**—Deep, rich yellow; free flowering. Each, 15c; 3 for 40c.

**Double Mixed.**—Many shades of the choicest varieties. Each, 10c; doz., \$1.00.



GRAND DUKE ALEXIS DAHLIA

**GLADIOLUS.**—These are a specialty with us and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors.

**Groff's Hybrids.**—A mixture containing all the new varieties of this splendid type. Is universally admired. Each, 7c; doz., 50c; 100 for \$4.00.

**LaMoine Mixed.**—Often called Butterfly Gladiolus. Have odd and fantastic markings. Each, 5c; doz., 50c; 100, \$3.50.

**Fine Mixed.**—Each, 4c; doz., 35c; 100 for \$2.50. Second size, doz., 25c; 100 for \$1.50.

**GLOXINIA.—Giant Flowered.**—Large trumpet-shaped blossoms of crimson rose, scarlet, purple, white, etc., tinted with dots of contrasting color. If bulbs are planted at intervals will give a continuous bloom. Each, 10c; doz., \$1.

**HYACINTHUS CANDICANS.**—Stem 3 or 4 feet high bearing drooping, ivory-white bell-shaped flowers of delicate fragrance. Appear like giant snowdrops. Ea., 5c; doz., 50c.

**LILY OF THE VALLEY.**—A well-known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. They are 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. Four strong roots for 15c; doz., 35c; 100 for \$2.00.

**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 abundantly.

**Lemon Lily.**—Not a true lily, as the bulb is of different shape, but the flower is very much like the Lilium Speciosum in form, about 3 in. in diameter. Color clear lemon yellow, very bright pleasing appearance. Ea., 15c; doz., \$1.50.

**Orange Lily.**—(Hemerocallis Demoteri)—Similar to the Lemon Lily, but of fine orange color. Each, 10c; doz., 75c.

**Melpomene.**—Frosted white, spotted, clouded and bearded with pinkish crimson. Petals recurved and widely bordered. Ea., 20c; 3 for 50c.

**Auratum.**—(Japanese Gold Banded Lily)—This is justly entitled to the name often given it—"The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each, 20c; doz., \$1.75; extra large bulbs, each, 30c; doz., \$2.75.

**Speciosum Rubrum.**—Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots. Ea., 15c; 3 for 40c.

**Speciosum Album.**—Has large white flowers of great substance, recurved. Each, 20c; 3 for 50c.

**Tigrinum Splendens.**—Improved Tiger Lily growing sometimes 6 feet high, and producing pyramids of orange red flowers spotted black. Each, 10; doz., \$1.00.

**Double Tiger Lily.**—Is densely double, color orange red, spotted with black. Blooms freely. Each, 15c; doz., \$1.35.



LEMOINE MIXED GLADIOLUS

**MADEIRA VINE.**—A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. Pretty for shading a veranda. Each, 5c; doz., 45c.

**MONTBRETIA.—Crocosmiflora.**—A showy summer-flowering plant producing many handsome, star-shaped blossoms of orange red. Hardy, improve each year if left undisturbed. Each, 5c; doz., 40c.

**OXALIS.—Dieppi Alba.**—Pretty low-growing variety, with light green leaves and clusters of pure white bell-shaped flowers; blooms freely. Doz., 10c; 100, 40c.

**Lasiandra.**—Large, dark green, palmate or five-fingered leaves with clusters of rosy pink flowers. Doz., 10c; 100 for 50c; mammoth bulbs, doz., 15c.

**RESURRECTION PLANT.**—A curiosity sure to interest the children. Looks like



LILIAM  
AURATUM

a ball of dried moss, but when dropped in a bowl of tepid water it quickly opens out into a beautiful fern-like plant. Each, 10c; 3 for 25c.

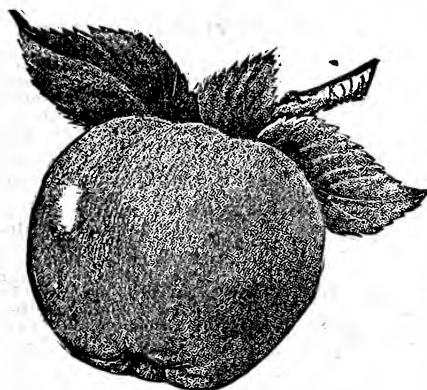
**TRITOMA.—Pfitzeri.**—At all floral exhibitions, and when sent as cut flowers to market, this plant attracts great attention. Grows from 3 to 4 feet high, flower measures 12 to 15 inches long. Dazzling scarlet, lower half of flower tinged rich orange. Each, 15c; 3 for 40c.

**TUBEROSES.—New Excelsior Pearl.**—The tuberose is justly a universal favorite and very easily grown. Ours are superior to the ordinary Pearl tuberoses. Characterized by short, robust stem and long spikes of large flowers, 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. Always wax-like, pure white, and unsurpassed for buttonhole bouquets. Will please you greatly. Monster bulbs, each 7c; doz., 65c. First size bulbs, each, 5c; doz., 40c; second size, doz., 25c; 100 for \$1.25.



PEARL TUBEROSE

## NURSERY STOCK



YELLOW TRANSPARENT APPLE

### ORNAMENTAL TREES.

We can supply the following ornamental trees at prices named. Write for prices on larger sizes than here named. They come direct from the nursery and cannot be shipped in the same package with other good except nursery stock.

	Each.
Ash, American White, 4 to 6 ft. . . . .	\$ .33
Ash, American White, 6 to 8 ft. . . . .	.50
Birch, Cut Leaf Weeping, 4 to 5 ft. . . . .	1.00
Birch, Cut Leaf Weeping, 5 to 6. . . . .	1.25
Box Elder, 4 to 6 ft. . . . .	.30
Box Elder, 6 to 8 ft. . . . .	.50
Carolina Poplar, 4 to 6 ft. . . . .	.30
Carolina Poplar, 6 to 8 ft. . . . .	.40
Catalpa, Hardy, 4 to 6 ft. . . . .	.30
Catalpa, Hardy, 6 to 8 ft. . . . .	.40
Chestnut, Am. Sweet, 4 to 6 ft. . . . .	.75
Crab, Dbl. Flowering, 2 to 3 ft. . . . .	.75
Elm, American White, 4 to 6 ft. . . . .	.35
Elm, American White, 6 to 8 ft. . . . .	.60
Hackberry, 4 to 6 ft. . . . .	.60
Hackberry, 6 to 8 ft. . . . .	.75
Linden, American, 4 to 6 ft. . . . .	.60
Linden, American, 6 to 8 ft. . . . .	.75
Locust, Black, 4 to 6 ft. . . . .	.30
Locust, Black, 6 to 8 ft. . . . .	.50
Locust, Honey, 4 to 6 ft. . . . .	.50
Locust, Honey, 6 to 8 ft. . . . .	.75
Maple, Soft or Silver, 4 to 6 ft. . . . .	.30
Maple, Soft or Silver, 6 to 8 ft. . . . .	.50
Mountain Ash, 4 to 6 ft. . . . .	.40
Mountain Ash, 6 to 8 ft. . . . .	.60
Sycamore, American, 4 to 6 ft. . . . .	.40
Sycamore, American, 6 to 8 ft. . . . .	.60
Willow, Weeping, 4 to 6 ft. . . . .	.50
Willow, Weeping, 6 to 8 ft. . . . .	.75

All fruit trees are two and three years old, five to seven feet high. Grape Vines and Small Fruit plants are one-year No. 1 stock.

Secure good plants and trees in order to grow good fruit. We aim to send out the very best stock, carefully packed for shipping. 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.—Each, 30c; doz., \$3.00.**

**Summer Varieties.**—Yellow Transparent, Red June, Benoni, Duchess, Early Harvest.

**Autumn Varieties.**—Maiden's Blush, Fameuse or Snow Apple, Rambo, Autumn, Strawberry, Ramsdell Sweet.

**Winter Varieties.**—Baldwin, Banana, Ben Davis, Dominie, Grimes Golden, Genetin, Jonathan, N. W. Greening, Tolman's Sweet, Wealthy, Winesap, Wolf River.

**CHERRIES.—Each, 50c; doz., \$4.00.**

Early Richmond, Montmorency, English Morello.

**PEACHES.—Each, 40c; doz., \$3.50.**

Crosby, Elberta, Champion, Bokhara.

**PLUMS.—Each, 50c; doz., \$4.00.**

Abundance, Burbank, De Soto, Forest Garden, Weaver, Wild Goose.

**PEARS.—Each, 50c; doz., \$4.00.**

Bartlett, Clapp's Favorite, Keiffer, Seckel, Worden Seckel.

**GRAPES.—Each, 15c; doz., \$1.00; 100 for \$4.50.**

Agawam (red), Brighton (red), Concord (purple), Moore's Early (purple), Niagara (white), Worden (purple).

**BLACKBERRIES.—Doz., 60c; 100 for \$2.50.**

Erie, Ancient Briton, Snyder.

**CURRENTS.—Each, 15c; doz., \$1.25.**

Pomona, Fay's Prolific, White Grape, Red Cherry.

**DEWBERRIES.—Doz., 75c; 100 for \$2.50.**

Lucretia.

**GOOSEBERRIES.—Each, 25c; doz., \$2.25.**

Josselyn, Pearl, Industry, Houghton, Downing.

**RASPBERRIES.—Doz., 75c; 100 for \$2.50.**

Cardinal, Cumberland, Gregg, Kansas.

### STRAWBERRIES.

Perfect flowered varieties are marked (s); the imperfect marked (p), must have perfect flowered sorts planted with them or they will not fruit. Ask for price by the thousand.

### SPECIAL OFFER.

**25 Bederwood, 25 Crescent, 25 Senator Dunlap, 25 Warfield.** Four kinds to grow together and make a bed for the ordinary family. Postpaid for only \$1.00.

**BEDERWOOD (s).**—One of the best for planting with the Warfield or Crescent. Per doz., 30c; per 100, \$1.00, postpaid. By express, per 100, 75c.

**BISMARCK (s).**—This resembles Bubach, of which it is a seedling, but much better in shape, color and quality. Per doz., 40c; per 100, \$1.25, postpaid. By express, per 100, \$1.00.

**BRANDYWINE (s).**—Fine for market, being large, firm and of a handsome red color. Per doz., 40c; per 100, \$1.25, postpaid. By express, per 100, \$1.

**CLIMAX.**—Per doz., 40c; per 100, \$1.75. By express, per 100, \$1.50.

**CLYDE (s).**—Decidedly the best early sort. Per doz., 40c; per 100, \$1.25, postpaid. By express, per 100, \$1.00.

**CRESCENT (p).**—Old standard variety, will produce a large crop where other varieties would fail. Per doz., 25c; per 100, \$1.00, postpaid. By express, per 100, 75c.

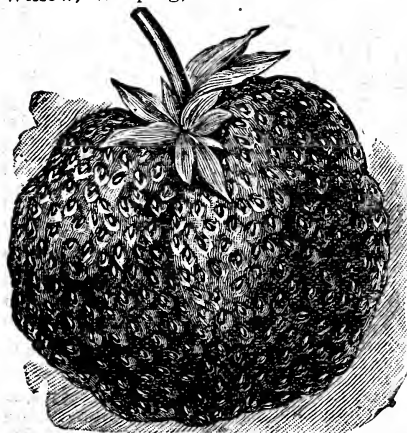
**PARKER EARLE (s).**—One of the most vigorous and best sorts for family garden. Per doz., 50c; per 100, \$1.75, postpaid. By express, per 100, \$1.50.

**SAMPLE (p).**—Per doz., 40c; per 100, \$1.75, postpaid. By express, per 100, \$1.50.

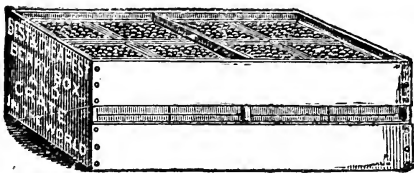
**SENATOR DUNLAP (s).**—Claimed to be the best all round variety yet introduced. Per doz., 40c; per 100, \$1.50, postpaid. By express, per 100, \$1.25.

**SEAFORD (p).**—Per doz., 40c; per 100, \$1.25, postpaid. By express, per 100, \$1.00.

**WARFIELD (p).**—One of the best known market berries. Per doz., 25c; per 100, \$1.00, postpaid. By express, per 100, 75c.



SENATOR DUNLAP STRAWBERRY



goods in this department go by freight or express at customer's expense for carriage.

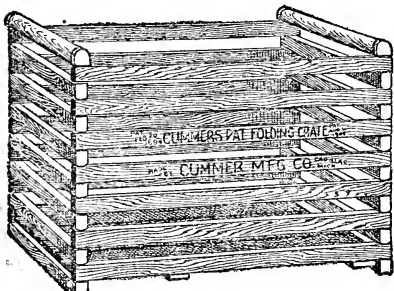
**Terms Cash With Order.**—The profit is so small on these goods that we cannot afford to make C. O. D. shipments.

**BERRY BOXES.**—Made of the best white wood (poplar), heart stock, cut smoothly, and perfect shape, size  $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{3}{4}$ , and will hold a wine measure quart. The bottom is set up for ventilation. Usually put up in bunches 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, 40c; 1,000, \$3.25; 3,000 or more at \$3.15; 10,000 or more at \$3.00.

**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 pound will make 1,000 boxes. Lb., 30c; 4 lbs., \$1.00.

**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 and 24 quart boxes. Price: 16-qt. crates per 10, \$1.00; per 100, \$8.50; 24-qt. crates per 10, \$1.20; per 100, \$10.00.

**CRATE NAILS.**—Far superior to common nails, as they hold much better. Twelve pounds (makes 100 crates), \$1.00.



FOLDING ONE BUSHEL CRATE

**FOLDING ONE-BUSHEL CRATE.**—Light, strong and durable. Slats are all run with round corners so that contents are not bruised or cut. Size  $11\frac{1}{2}$  in. in width,  $20\frac{1}{2}$  in. long,  $13\frac{1}{2}$  in. high outside. No. 1, each 35c; per 10, \$3.00.

**APPLE BOXES.**—Apple growers in Iowa at last realized that to obtain the best prices for apples, they must pack them in neat packages and grade them in sizes. The Standard apple box holding one bushel, such as has been used by western growers for years, is now being adopted by the Iowa growers, and is giving much better satisfaction than barrels and are more economical when used in large numbers. Prices are given below for panel end boxes. For solid 48 inch end add \$1 per hundred. The panel end is most generally used. Price: 10 for \$1.65; 25 for \$3.90; 100, \$14.50.

**MAGNETIC TACK HAMMER.**—Picks up the tacks and save much labor. Each, 15c.

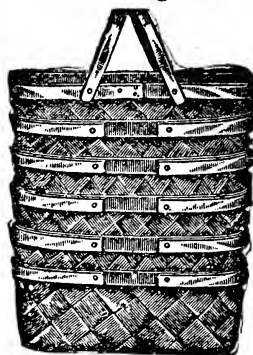
**IRON MEASURES.**—Made of heavy galvanized iron with side handles. Peck size, each 40c;  $\frac{1}{2}$ -bushel, each 50c; 1-bushel, each 70c.

**WOOD MEASURES.**—Iron bound, to make them stronger. Half-peck, each 20c; peck, each 25c.

## Berry Boxes and 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 are enabled to select superior stock and give instructions for cutting so that it will suit our trade. Bright, smoothly-cut stock will make the fruit look nicer and sell better. Prices named here are subject to change during season. All

express at customer's expense for carriage.



well as for some kinds  
doz., 50c; 10 doz., \$4.65.

**CLIMAX GRAPE BASKET.**—The best package for shipping grapes, cherries, plums, etc. It is the standard 8-lb. size, making a strong, but light package. Baskets are made of the best material. They are nested for shipment with the covers and bent handles in separate packages. Price for 10, 50c; 25 for 90c; 100 for \$3.25; 1,000 for \$28.50.

**HALF-BUSHEL BASKET.**—This is the best all-round basket for the use of farmers, fruit growers and grocers that we know of. It is very strong and well made, smooth inside, so that it does not bruise or scratch the fruit. It is particularly adapted to picking fruit, potatoes, tomatoes and other vegetables. The swinging bale makes it easily handled. Made with wide band inside. Price, 20c each; \$2.00 per dozen.

**NO. 1—ONE-BUSHEL BASKET.**—The ideal basket for general use. Standard elm staves with elm hoops and handles; also both inside and outside bottom hoops. Is also reinforced with a 6-inch band around inside at the top which makes it both smoother and stronger. Is meant for hard usage and should last many years. Each, 25c; dozen, \$2.70.

**TREE PRUNER.**—Strong wooden handles 24 inches long; knife 3 inches long. Has cutting knife 2 inches long. Powerful and effective. The best pruner for low-headed trees or where branches are within reach. Each, \$1.50.

**WATER'S TREE PRUNER.**—The standard make; with 6-ft. pole, 35c; 8-ft. pole, \$1.00; 10-ft. pole, \$1.20.

**IMPROVED HAND PRUNING SHEARS.**—The best hand shears on the market. Made of best steel, 8 inches long, spiral spring. Price, 75c; postpaid, 90c.



**DIAMOND MARKET BASKET.**—As will be noticed we are now having these baskets made with two handles which close down over the edge of the basket. The baskets nested in this way can be shipped at about half the cost of the old style over-handle baskets, and they are also quite convenient for shipping the fruit in. They are used quite largely for marketing grapes, plums, cherries, etc., as of vegetables. Per

## SPRAYING PUMPS

No one engaged in agricultural work of any kind can afford to work without a sprayer. Insect pests ravage the garden and orchards, annoy the live stock and poultry, and make trouble for the housewife during the summer months. We offer in this list only a few styles, but from years of study and experiment we have selected the kinds offered as giving a choice in styles and we know every one here listed will give satisfaction. We can also supply compressed air and barrel pumps if desired.



**DAISY SPRAYING PUMP**  
lbs. with little exertion. For whitewashing it is superior to all other bucket pumps.

**FAULTLESS INSECT SPRAYER.**—An all-brass sprayer. Will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Also valuable for spraying grape vines, small trees and shrubbery. Made of heavy brass very durable. We sell hundreds of these and have heard no complaint. For the purposes intended it is by far the best pump offered. Price by express, not prepaid, \$1.00. Same in tin, 50c.

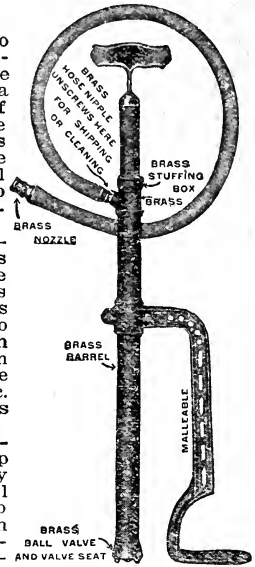
**CONTINUOUS FAULTLESS SPRAYER.**—Made like the old standard Faultless sprayer which has for years been the most popular of this type. Made in such a way that the action of the plunger forces a continuous fine mist spray and the drawing back of the plunger does not stop the flow as it does in the old-style sprayer. All brass, \$1.25; tin, 75c.

**LITTLE GIANT BUCKET SPRAY PUMP.**—Constructed entirely of brass and provided with a large air chamber and has ball valves, and the pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and is not affected by the movement of the plunger. Will throw a solid stream 50 to 80 feet; fitted with hose and imperial combination and the fine and coarse spray, and solid stream nozzle and malleable foot rest. Price, \$3.00; with 8-foot pipe extension, \$3.50.

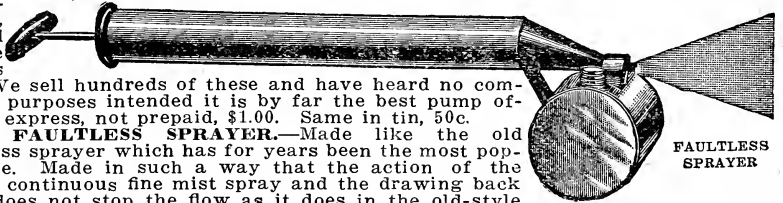
**STANDARD SPRAY PUMP.**—The nozzle end is also the plunger. Can be used in a bucket, tank or barrel. Made entirely of brass, with two solid brass ball valves. Simple, strong and durable and will last for years. Price with whitewash nozzle, each, \$4.00.

**DAISY SPRAYING PUMP.**—This popular little pump is shown by our illustration. We sell hundreds of these pumps which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed so as to throw a solid stream of water 20 to 30 feet high and can be used for washing windows, buggies, etc. Price, only \$1.00. Can be sent by express only.

**LIGHTNING SPRAY AND WHITE-WASH PUMP NO. 2S.**—This all brass pump is in many respect the most satisfactory pump on the market. Has brass ball valves, brass plunger filled with hemp packing. Furnished complete as shown in cut. Is provided with a large air chamber enabling the operator to keep a constant pressure on the nozzle of 50 to 100



**LIGHTNING SPRAY PUMP**



**FAULTLESS SPRAYER**

## INSECTICIDES

### STANDARD SPRAY PUMP

**ARSENATE OF LEAD, Paste.**—The best of all arsenical insecticides. Does not burn the foliage and as it shows white you can tell just what has been sprayed. Sticks well to the foliage and is sure death to all leaf eating insects. The best known insecticide for spraying fruit trees. Applied at the rate of one ounce to one gallon of water. Price: 1 lb., 25c; 2 lbs., 35c; 5 lbs., 90c; 20 lb. keg, \$3.20; 50 lb. keg, \$6.50; 100 lb. keg, \$12.00; 300 lb. barrel, \$33.50.

**BORDEAUX MIXTURE, Paste.**—For all fungus diseases. An excellent remedy for mildew, black rot, blight, leaf curl, scab and other fungoid diseases on fruits and plants. One gallon will make 50 gallons of liquid. Price: 1 lb., 20c; 2 lbs., 35c; 5 lb. jug, 75c; 20 lb. keg, \$1.75; 100 lb. keg, \$7.50.

**HELLEBORE, Powdered.**—Very effective to use on currant worms, and rose slugs. Price: ¼ lb., 10c; 1 lb., 25c.

**PARIS GREEN.**—The most effective destroyer of potato bugs, codling moth, worms, caterpillar, slugs and bugs. When applied in powdered form it should be mixed with plaster or flour, 100 parts to one part of Paris Green. In solution mix 1 lb. in 200 to 300 gallons of water. Price: ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75; 100 lbs., \$30.00.

**TOBACCO DUST.**—For green and black aphid, fleas and beetles. Price: 1 lb., 10c; 5 lbs., 30c; 10 lbs., 50c.

**SLUG SHOT.**—A non-poisonous powder used largely in dusting potato plants and melon and squash vines. Price: 1 lb., 10c; 5 lbs., 35c; 10 lbs., 60c.

**KEROSENE EMULSION.**—One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphid, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. Price: 1 qt. can, 40c; 1 gal, \$1.00; 5 gal. can, \$4.50.

# CHALLENGE POULTRY SUPPLIES



Ask for our illustrated **Poultry Supply Catalogue**. You will find that our stock and prices are both right.

We handle a complete line of Poultry Supplies of the best quality, and as we purchase many items in carload lots, we are prepared to quote as low prices as can be obtained anywhere for first-class quality, freight considered.

**CHALLENGE CHICK 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. It is composed of various kinds of grain, bone and other nutritive foods, making it the most complete and cleanest chick feed on the market. Price per 25-lb. bag, 75c; 50 lbs., \$1.35; 100 lbs., \$2.50.

**CHALLENGE SCRATCH FEED.**—In preparing this feed we have had in mind the production of the best feed that can be made for laying hens and the keeping of all fowls healthy. Our Challenge Brands of Poultry Foods contain no grit of any kind. Price, 25 lbs., 60c; 100 lbs. \$2.

**CHALLENGE POULTRY MASH.**—Just like our scratch foods. Made

from clean grain meals, mixed in proper proportions for a balanced ration. We put some alfalfa meal in it to give it added value and it will really make the hens lay eggs in the coldest winter weather. Price, 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25; 500 lbs., \$10.00.

**STAPLE SCRATCH FOOD.**—This is the same formula as our Challenge Brand, but we add grit and shell in proper amounts. Price, 25 lbs., 50c; 50 lbs., 90c; 100 lbs., \$1.75; 500 lbs., \$8.50.

**STAPLE CHICK FOOD.**—Some customers prefer to have the grit mixed in with the grains, and for such we furnish our Staple Brand, as this contains the necessary amount of grit for the chicks. In other respects it is almost the same as our Challenge Brand. Price, 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25; 500 lbs., \$10.90.

**ALFALFA CLOVER MEAL.**—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with mash feed. Valuable as a winter feed. Price, 10 lbs., 35c; 25 lbs., 65c; 100 lbs., \$2.00.

**SPRATTS CHICK MEAL.**—Specially prepared to be used as a feed for young chicks. It keeps them healthy and thrifty. Price, 5 lbs., 50c; 25 lbs., \$2.00; 100 lbs., \$6.00.

**GROUND BEEF SCRAPS.**—Made from fresh beef, thoroughly cooked and dried. Excellent food for young chicks or laying hens. Price, 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.50.

**CRUSHED RAW BONE.**—Really better than the shell, but will pay to use both. Of best quality, being made from fresh bones. 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$2.75.

**RAW BONE MEAL.**—Ground fine for feeding small chickens; also used as a lawn fertilizer. 10 lbs., 45c; 25 lbs., 85c; 100 lbs., \$2.75.

**PEARL GRIT.**—No better grit can be found for poultry. Sharp and wears sharp. Per 25 lbs., 35c; 100 lbs., 85c; 500 lbs. or more at 75c per 100 lbs.

**PEARL CHICK GRIT.**—A small grit which is a necessity when raising young chickens. Per 25 lbs., 35c; 100 lbs., 85c; 500 lbs. or more at 75c per 100 lbs.

**CRUSHED CLAM SHELL.**—Used very extensively by poultrymen, and being harder than oyster shell, and not dissolving so readily, will serve as a grit and at the same time contains a large amount of available lime necessary in egg production. Per 25 lbs., 35c; 100 lbs., 75c; 500 lbs. or more at 70c per 100 lbs.

**CRUSHED OYSTER SHELL.**—This is a most important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. Per 10 lbs., 25c; 25 lbs., 40c; 100 lbs., 90c; 500 lbs. at 85c per 100.

**HUMPTY DUMPTY EGG CASE.**—The original folding egg case. The strongest and best folding case ever put on the market. Each case holds twelve dozen eggs. Price: Each, 35c; three for \$1.00.

**HEN FRIEND DRINKING FOUNTAIN.**—Made of galvanized iron. Easily filled and handled. Two-quart size, each, 25c; 4-qt., each 35c; 10-qt., each 50c.

**SANITARY DETACHABLE FOUNTAIN.**—Made of stoneware. Chicks can drink all around. Easily cleaned. Two-quart, 25c; doz., \$2.50; gallon, 35c; doz., \$3.50; 2-gal., 50c; doz., \$5.00.



**MICA CRYSTAL GRIT.**—Hard, sharp, and instead of grinding smooth like an ordinary stone it breaks off in such a way that it stays sharp. It is fine for poultry, pigeons and turkeys. Per 10 lbs., 25c; 25 lbs., 40c; 100 lbs., \$1.00; 500 lbs. or more at 85c.

**HUMPHREY'S GREEN BONE AND VEGETABLE CUTTER.**—One of the leading bone cutters. Be sure and investigate before you purchase. Manufacturer's guarantee given with each cutter sold. No. 1 cutter, \$12.00; No. 2½, semi-power, \$15.00. No. 2 all-power cutters, each \$13.50.

**LEADER LEG BAND.**—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, 65c, postpaid. 500, not prepaid, for \$2.75.

**CROWN BONE CUTTERS.**—No. 1—Weights 50 lbs. and is to be bolted to a bench or table for operation. Each, \$6.50.

No. 2—Same as above, but has a tripod metal stand upon which the cutter is fastened. Weighs 80 lbs. Each, \$8.50.

**WILSON DRY BONE AND SHELL MILL.**—It will grind either shell or dry bone and crack wheat or corn. Each, \$4.50.

**MODEL GRINDING MILL.**—To grind shell, grit, bone and grains. Easily adjusted to grind coarse or fine as desired. No. 1½, each \$2.50. No. 2, \$4.50.

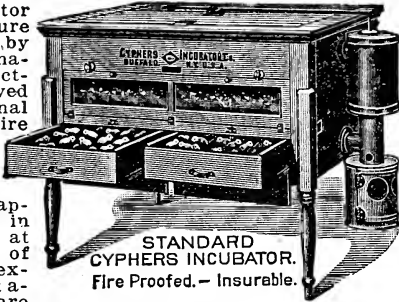
**EYRIE EGG BOX.**—Made of corrugated paper. Very strong, light and durable. Self-locking. No. 1 holds 15 eggs, per doz., \$1.50. No. 2 holds 30 eggs, per doz., \$2.50.

**ANDERSON EGG CASES.**—Similar to above, but shipped in flat, saving freight or express charges. We recommend them. Price, 15-egg size, \$1.25 per doz.; 30-egg, \$2.00 per doz.; 50-egg, \$3.00 per doz.; 100-egg, \$5.00 per doz.

**SEFTON LIVE CHICK BOX.**—Made from corrugated paper with ventilating holes in top and sides; for shipping small, live chicks. 25-chick size, \$1.50 doz.; 50-chick size, \$2.00 doz.; 100-chick size, \$3.50 per doz.

# Cyphers Standard Incubators

The incubator you can insure against loss by fire. Each machine is inspected and approved by the National Board of Fire Underwriters and it bears their official label of inspection and approval. Are in general use at poultry farms of the college experiment stations and are recommended by them. Conceded the best on the market.



STANDARD  
CYPHERS INCUBATOR.  
Fire Proofed.—Insurable.

- No. 0—Capacity, 70 eggs. Price.....\$15.00
- No. 1—Capacity, 144 eggs. Price..... 22.00
- No. 2—Capacity, 244 eggs. Price..... 32.00
- No. 3—Capacity, 390 eggs. Price..... 38.00

**CYPHERS BROODERS.**—Well ventilated well made, and will save every chick that is hatched.  
**Style A**—Outdoor brooder, capacity 75 chicks. \$12.50  
**Style B**—Outdoor brooder, capacity 75 chicks. 16.50  
**Style C**—Outdoor brooder, capacity 100 chicks. 18.50  
**Style D**—Indoor brooder, capacity 75 chicks... 11.50  
**Adaptable Hover**—Can be used in any brooder.. 8.50

## WIRE POULTRY NETTING

The best make; thoroughly galvanized 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 long.

Width		Width	
Inches	Per Roll	Inches	Per Roll
12	.....\$ .90	36	.....\$2.70
18	..... 1.35	48	..... 3.60
24	..... 1.80	60	..... 4.50
30	..... 2.25	72	..... 5.40
One-inch mesh, No. 20 wire, for young chicks and Belgian hares.			
12	.....\$2.00	30	.....\$5.00
18	..... 3.00	36	..... 6.00
24	..... 4.00		

Other widths if desired. Will allow 5 per cent discount on lots of five rolls or more.

Cut rolls, any width, of 2-inch mesh, 1 cent per square foot.

Cut rolls, any width, of 1-inch mesh, 2 cents per square foot.

**CLIMAX WIRE AND POULTRY FENCING.**—Made from steel wire and galvanized after weaving, making it very strong and lasting. Woven with small meshes at the bottom, and meshes increase in size to the top of the fencing. Specially desirable for yards for young chicks.  
**4-ft. Size**—Per roll of 10 rods.. \$4.00  
**6-ft. Size**—Per roll of 10 rods.. 5.00  
**6-ft. Size**—Per roll of 10 rods.. 6.00

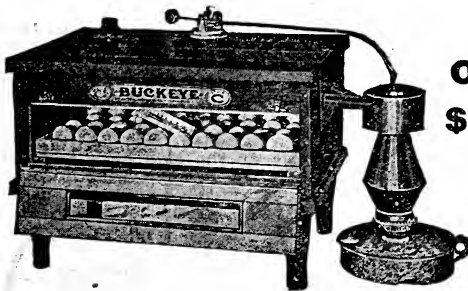
## BUCKEYE 50 EGG INCUBATOR

Lessens the risk of operation, for a failure only means the loss of fifty eggs, while the loss from similar cause with a large standard machine would be three to six times as heavy. You can buy the same egg capacity for less money than if a large standard make is purchased. It is suitable for any poultry raiser whether he breeds from ten or ten hundred hens. One of the largest poultry farmers of the country has discarded all the large machines and filled his incubator house with these small hatchers, claiming he gets better results, and has less loss from failures than under the old system.

**Style C.—Equipment**—One tank and boiler, one lamp bowl, one burner with wick, one chimney, one thermometer, one thermometer holder, one complete Buckeye regulator, one egg tester and two egg trays. Has single walls and weighs 35 lbs. crated. Price each \$6.00.

**Style A.**—Has in addition to double walls and regulator equipment, compartment below for chicks as hatched. Price each \$8.00.

**Only \$6.00 buys the Style C machine.** It is cheaper than to set hens. Each machine hatches as many chicks as four hens, and it won't be half the bother to care for that hens are.



**ONLY  
\$6.00**



BUFF PLYMOUTH ROCKS

### EGGS FOR HATCHING.

From choice farm-raised, high-grade, thoroughbred stock.

**Barred Plymouth Rocks**—Setting of 13 eggs \$1.25.

**White Plymouth Rocks**—Setting of 13 eggs \$1.25.

**Buff Plymouth Rocks**—Setting of 13 eggs \$1.50.

**White Wyandottes.**—Setting of 13 eggs \$1.50.

**Black Langshans.**—Setting of 13 eggs \$1.25.

**Brown Leghorns.**—Setting of 13 eggs \$1.25.

**Rose Comb Brown Leghorns**—Setting of 13 eggs \$1.50.

**Light Brahas.**—Setting of 13 eggs \$1.25.

**Eggs for Incubators.**—Write us for prices.

**Breeding Stock.**—A few very choice cockerels and pullets at reasonable prices. Write for price list.

**Bronze Turkeys.**—Setting of 9 eggs for \$3.00.

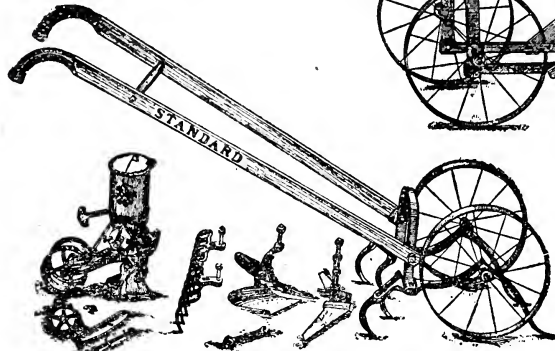
**Mammoth White Pekin Ducks.**—Setting of 9 eggs \$1.50.

**WE WILL MAKE YOU SPECIAL PRICE ON FIVE OR MORE**

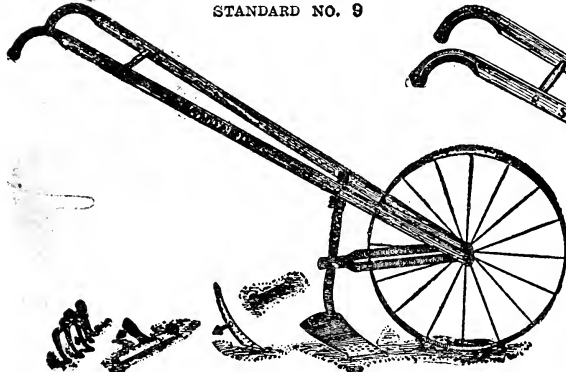
Just the right size, just the right price. You can set them anywhere, and move them any time without jarring eggs. Guaranteed by the manufacturers.

# Standard Garden Tools

**STANDARD NO. 7.**—Spring Beam Cultivator, a great favorite for the reason that the attachments are fastened to spring beams allowing them to be moved to and from each other very easily. The arch is adjustable in width from 7 to 11 inches. Wheels 16 inches high. We wish to recommend this as a specially good tool for the money. It is much cheaper in price than the other high-class double wheel hoes and we think it better. Prices as shown with cultivator teeth and hoes, \$4.75.



STANDARD NO. 9



**STANDARD NO. 20.**—Cultivator has 24-inch wheel and the handiest adjustment ever put on a tool of this kind. Mouldboard has landslide to prevent side-draft. Furnished with attachments shown. Price complete, \$3.00.



**IRON AGE DOUBLE WHEEL HOE**  
**IRON AGE NO. 1.**—Complete Double Wheel Hoe. A standard tool made by one of the best factories in America. Equipment consists of one pair side hoes, four cultivator teeth, one pair plows, one pair rakes, one pair of vine lifters. Made of best material in best manner. Ea., \$7.00.

**IRON AGE NO. 13.**—Double Wheel Hoe. This is same frame as the No. 1, but has only a pair of hoes and the four cultivator teeth. Ea., \$6.00.



STANDARD NO. 7

**STANDARD NO. 7** plant seed in hills 4, 6, 8, 12 and 24 inches apart or drill in a continuous row. All parts liable to be broken are of malleable iron. Frame is very stiff and strong. Has very fine seed adjustment. Wheels are 16 in. high. Price complete, \$12.00.

**STANDARD NO. 4.**—Cultivator, a great labor-saving tool for large or small gardens. All castings malleable, wheels 16 inches high. Can be used as a single or double wheel. Shovels, hoes and diamonds are finely polished and of the best material for the purpose. Price complete as shown, \$6.50.



STANDARD NO. 4

**IRON AGE NO. 6.**—Combined Hill and Drill Seeder, Double and Single Wheel Hoe. One of the most complete garden tools. As indicated, it is not only a drill which sows seed in rows or hills as desired, but when seeding is done you change it to a cultivator and keep the crops clean. Splendid time saver for the ordinary gardener. Each, \$12.00.

**IRON AGE NO. 7.**—Hill and Drill Seeder Only. This is for planting only, but it does this work in the best manner. Ea., \$8.00.

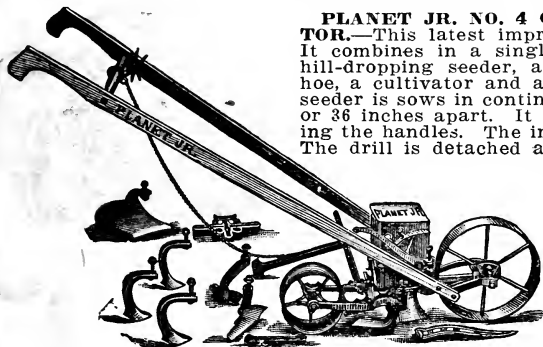
**IRON AGE NO. 14.**—The same as the No. 7 Hill and Drill Seeder with the addition of the side hoes and cultivator teeth; no other attachments. Ea., \$10.



IRON AGE COMBINED DRILL AND CULTIVATOR



**PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR.**—This latest improved tool is giving good satisfaction. It combines in a single convenient implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts and as a seeder is sows in continuous rows, or drops in hills 6, 9, 12, 18 or 36 inches apart. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. With this one implement the ordinary farmer can do practically all the work in his small crops. Price, \$10.50. Set of three rakes, if desired, \$1.00 extra.



**PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR** is admirably adapted to deep mellowing of the soil. **Shown in cut.** Price, \$9.00. Pair of rakes for same, 50 cents extra.

**PLANET JR. NO. 3 SEED DRILL.**—We regard this as the acme of perfection and most decidedly the best seed sower made. It will sow perfectly either to a continuous row or drop the seeds in hills 4, 6, 8, 12 or 24 inches apart. It opens the furrows, drops in hills or drills, covers, rolls down and marks the next row, all at one operation. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. Price, \$10.00.

**PLANET JR. NO. 25 COMBINED SEEDER AND CULTIVATOR.**—Large drill and double wheel hoe, intended especially for market gardeners. Sows all kinds of garden seeds in hills or drills, and combines with it a double wheel hoe, cultivator and plow. Ask for descriptive circular. Price, \$13.00.

**PLANET JR. NO. 13 DOUBLE-WHEEL HOE.**—This is identical with No. 12, described above, but has only one pair of hoes, no other attachments. Price, \$4.25.



**PLANET JR. NO. 44 DOUBLE WHEEL DISC HOE** right assortment of tools for a family garden and should be very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price, \$4.50.

**PLANET JR. NO. 12 DOUBLE-WHEEL HOE.**—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until plants are 18 inches high, then wheels can be set close together and work between rows. It will do the work of six men with ordinary hand hoes. The cultivating attachments consist of one pair 6-inch hoes, two pairs hollow steel cultivator teeth, one pair of plows and one pair leaf lifters. Price, \$6.50. Five-tooth rakes, 75c per pair extra.

**PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE.**—Is a new tool especially satisfactory on heavy soils. There are three discs on each side, of which two or more may be used as desired, and can be adjusted for depth. Two sets of prong cultivator teeth constructed on entirely new lines. Tooth next to the row is narrow and arranged to run shallow, the middle tooth is wider and runs one-half inch deeper, outside tooth is very much wider and runs deeper still. Teeth are set out of line from front to back with greater freedom. Two plows of regular Planet Jr. model. Price, \$7.50.

**PLANET JR. NO. 1 COMBINED DRILL AND CULTIVATOR.**—This is the most popular tool to have ever sold. As a hoe it works safely to and from both sides of the row at once, or between rows. As a cultivator it Each machine sent out with the tools



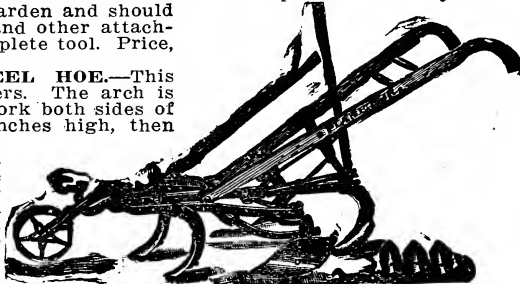
PLANET JR. NO. 17 SINGLE WHEEL HOE

**PLANET JR. NO. 16 SINGLE-WHEEL HOE.**—

The latest and best single-wheel hoe; has a very full set of tools, several of them being of new design, such as have been found to

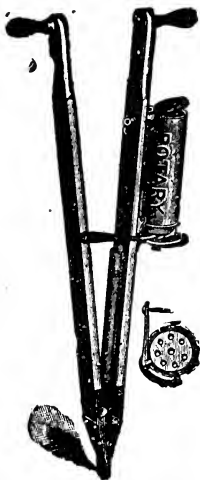
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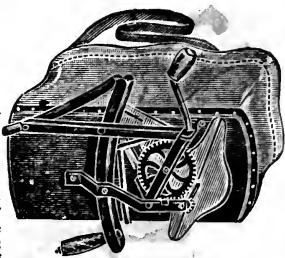
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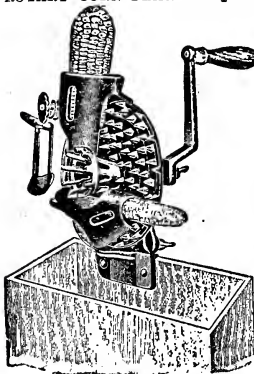
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SEGMENT CORN PLANTER



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WEEDER**

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TOOL  
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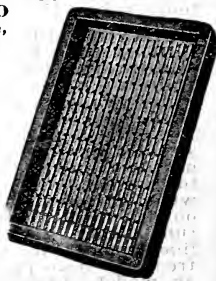
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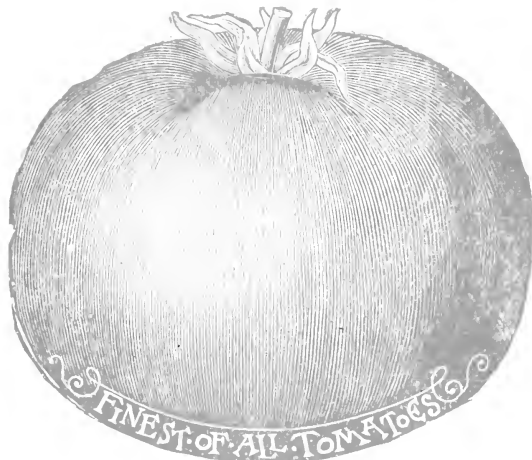


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