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Indexed

# Griswold's

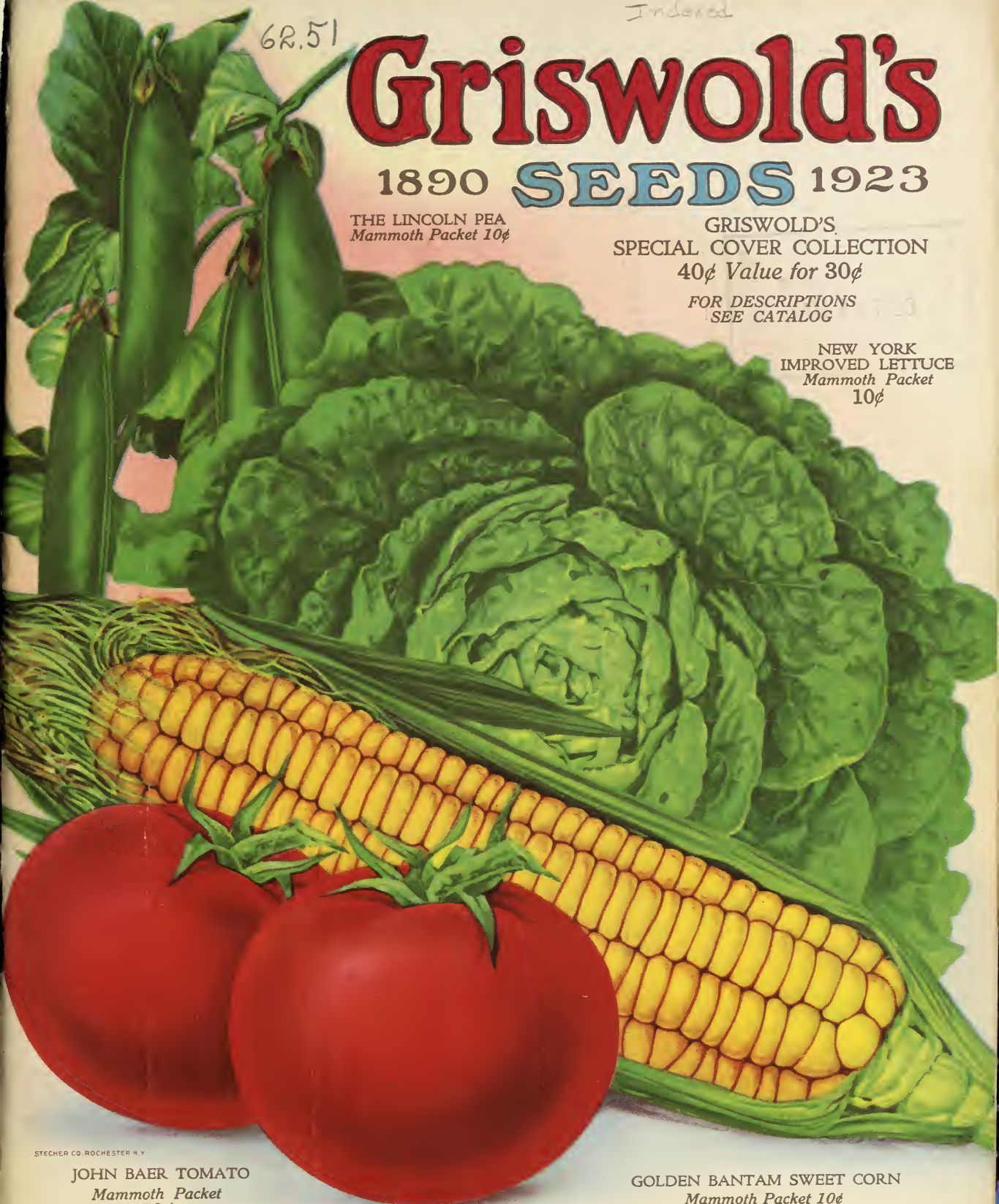
## 1890 SEEDS 1923

THE LINCOLN PEA  
*Mammoth Packet 10¢*

GRISWOLD'S  
SPECIAL COVER COLLECTION  
40¢ Value for 30¢

FOR DESCRIPTIONS  
SEE CATALOG

NEW YORK  
IMPROVED LETTUCE  
*Mammoth Packet*  
10¢



STECHEE CO. ROCHESTER N.Y.

JOHN BAER TOMATO  
*Mammoth Packet*  
10¢

GOLDEN BANTAM SWEET CORN  
*Mammoth Packet 10¢*

GRISWOLD SEED & NURSERY CO., LINCOLN, NEBRASKA



# SIMPLE RULES FOR ORDERING

BE SURE TO READ  
THIS PAGE

Next in importance to supplying the best seeds is the prompt and accurate filling of orders. To that end we ask the co-operation of our patrons. It will hasten forwarding materially, if they will kindly make up orders alphabetically, as the goods are offered in the catalog. This method is easier and is a safeguard against neglecting to order some item of importance. Seeds are put in compartments in our stores alphabetically, hence an order can be filled more quickly if it is made out in that manner.

**CATALOG CHANGE**—We have made one important change, which we believe you will like. We quote all seeds by pound instead of pint, quart, peck and bushel.

**TESTED SEEDS.** We test all of our seeds for both purity and germination and have a large electric tester, built according to the plans approved by the Government Department of Agriculture. The value of tested seeds to the buyer cannot be over-estimated. It is an assurance to you that the seed is full of vigorous life and vitality, and that if you plant under proper conditions and follow our instructions you will not be disappointed.

**ERRORS.** We exercise the utmost care in filling orders, striving to do a little more than we offer; yet in the press of business errors sometimes occur, in which event we wish to be promptly notified of the fact and will make such corrections as will be satisfactory. Errors made in printing this catalog are subject to correction. Please keep copies of all your orders for comparison.

**OUR TERMS** are cash with order. We cannot ship C. O. D. unless you remit at least one-fourth of the amount of the order. It always costs you extra for goods to come that way. We will take your personal check, but will hold order till banks report checks paid. Better send us Draft, Money Order, or Registered Letter. We always refund your money if we cannot fill order.

**MARRIED WOMEN** will save confusion in correspondence by using husband's initials.

**HOW WE SHIP.** We ship all heavy goods by freight at your expense, unless otherwise instructed. We send you duplicate bill of lading, showing date, number of bags sent, and route. All plants and perishable goods are sent only by express at your expense, unless quoted "prepaid," in which case we send by mail or prepaid express, and notify you.

**SAFE ARRIVAL.** We guarantee all goods except sweet potatoes to arrive safely and will refund you for any loss, providing you have Agent make notations of such loss on expense bill and return it to us. This applies on Irish potatoes if time of shipment is left to our judgment.

We also guarantee all seeds that we send out at catalog prices to be carefully selected and tested. We are always pleased to make good any mistake, but all complaints must be made within 15 days from receipt of goods. On account of weather conditions, etc., we cannot guarantee the crop. You can have the Experiment Station test any of our seed and if not satisfactory will take it back and refund to you.

**OUR RESPONSIBILITY.** We have been in business here for 33 years. We would be pleased to have you write (enclosing stamp) any bank or business firm here in Lincoln as to our standing.

**LARGE ORDERS.** Any market gardener, association, or individual requiring large quantities of seeds, are invited to write for special prices. Although we have made our prices in this catalog very low, yet when a considerable quantity in pounds or bushels is wanted, we are in a position to supply at a lower price than by the single pound or bushel. We wish it to be distinctly understood, however, that we will not sacrifice quality in so doing. Mail us a list of your wants, and we will submit to you our lowest cash price for the lot.

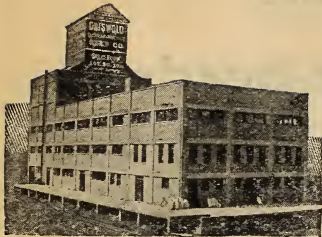
**FALL CATALOG.** Our fall catalog will be ready about July 1. It is brimful of seasonable seeds, plants and bulbs to plant during the summer and autumn months. Don't fail to write for a copy if you do not receive one.

**ORDERS WITHOUT MONEY OR ADDRESS.** Always give Post Office address when writing about orders. Every year we get hundreds of orders from our customers unsigned. We have at present on our files a number of orders for various amounts, which we are unable to send out as we do not know where to forward them. Every day or so we get a long letter of complaint from some customer, upbraiding us for not sending his seeds promptly. Then we get busy with this file and endeavor to locate the order. Often it is a hard proposition. So, if you do not hear from us within a reasonable length of time after you mail your order, send us a duplicate order, naming the date on which the former order was sent, the amount of money enclosed, and in what form. We want to satisfy you and don't want you to complain about our service—if we can help it.

**NON-WARRANTY.** Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success, and although we take all possible care to supply only such goods as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop, and every order for articles named in this catalog will be executed on these conditions only. It must, however, be plain to everyone who gives the matter the slightest thought, that it is to our best interests to send out only such stock as will not only grow but prove true to name and description.

**FREE SAMPLES.** We are always too glad to send you free samples of Corn, Grass, and other Field Seed, for testing purposes. You are not imposing on our good nature when you ask us to send you these samples, for we know the quality of the samples will bring us your big order.





1890

1923

# THIRTY-THIRD ANNUAL CATALOG



Dear Friends and Customers:

In issuing our catalog for 1923, the 33rd annual, we take advantage of the occasion to thank our old customers for their friendship, loyalty and patronage during the past year and to express the hope that it will be continued. The greatest asset we have is the good will of satisfied customers, but it is to prospective buyers we largely address this portion of our remarks, begging the indulgence of our old customers. With hundreds of illustrations from photographs and carefully written descriptions this book is a **SAFE GUIDE** to success in the garden, and should be consulted by every one who plants seeds, either for pleasure or profit.

It is with a feeling of confidence that we look forward to the coming season, believing that conditions are better, and continually getting better, whereby the farmer may make a good profit from the soil, for, after all, nearly every line of business is affected by the condition of the farmer and unless he is prosperous, they will not be. We must work hard and plan well, taking advantage of every opportunity. Some things will pay better one year than others; right now it seems that vegetable gardening, dairying, and poultry raising are the most profitable.

Some kinds of seeds are lower in price now than they have ever been and most kinds are as low, but our constant aim is to make the highest quality the first consideration, and next, to put our prices as low as good seed can be sold.

As many people are sometimes at a loss to know just what varieties to select, we have tried to make our descriptions and illustrations plain and truthful in every instance, and have arranged some Special Collections of both Garden and Flower Seeds, which we feel sure will be helpful to our customers.

In purchasing seeds, the first consideration should be quality, for without this, good seed beds are of no avail, and time, labor and money are lost. This year we have painstakingly persisted in maintaining, improving and developing our stocks. Our seeds are grown in the favored seed sections all over the United States, and some in Europe, thus assuring you seeds of the strongest germination and vitality. We are trying, if possible, to be even more accurate in testing every lot of seed that goes out of our warehouse or into our packets, having installed an expensive and up-to-date new seed testing and analyzing laboratory. Under no consideration do we allow any seeds to leave our establishment unless we know their source of origin and a satisfactory test obtained.

Again thanking our many thousands of customers in advance for their orders, and soliciting a trial order from our new friends, assuring them no order will be too small, no trouble to great to merit our most appreciative and careful attention, we are

Yours for better service,

GRISWOLD SEED & NURSERY CO.

### SINGS NIGHT AND DAY

Lincoln Co., Nebr., Dec. 8, 1922.

Dear Sirs: My bird came in fine shape, and we think he is fine. He starts the day at 6:30 with his beautiful, sweet song; will sing at night as well as day.

MRS. H. H. BURTON.

### DID WELL

Thomas Co., Nebr., June 12, 1922.

Dear Sirs: The Sweet Potatoes are doing fine. They were in fine shape when we got them, and the seeds were good too.

ERNEST C. PEARMAN.

### GROWING NICELY

El Paso Co., Colo., June 20, 1922.

Gentlemen: The Strawberry Plants you sent in May are growing nicely.

MRS. A. A. DEVOR.

### LOADED WITH FRUIT

Pawnee Co., Nebr., July 25, 1922.

Gentlemen: I thought I would tell you how I got along with the Huckleberries. They are four feet high and loaded with berries, big as grapes. The people are wild over them.

S. B. DAY.

### A GOOD RECORD

Hall Co., Nebr., May 26, 1922.

Dear Sirs: I have planted your seed for 8 years and never got but one packet of seed that did not come up. I almost always have garden for my own use, and the seeds I get from you are sure good.

MRS. FRED BOOTH.

### ALWAYS GROW

Clay Co., Kans., Dec. 22, 1922.

Dear Sirs: I got my order of bulbs and flowers all right and have them planted now. The things I had from you a ways grew. Also got my Fern all right.

MRS. LEWIS BOSCH.

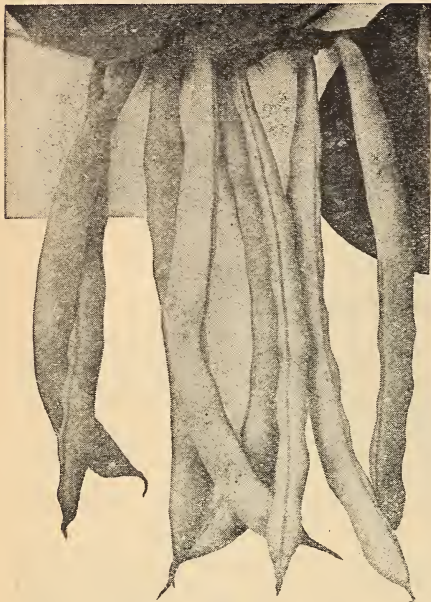


# Griswold Seed and Nursery Co.

LINCOLN NEBRASKA







Sure Crop Wax

## DWARF OR BUSH LIMA BEANS

The Bush Limas are quite desirable for the garden, as their cultivation does away with poles. These should be planted edgewise with the eyes down and two inches deep. Plant June 1.

**HENDERSON'S BUSH LIMA**—Grows in compact bush form about 18 inches high. The beans are small in size but of delicious flavor and great productiveness and about two weeks earlier than the others. Price: Pkt., 5c; lb., 35c; postpaid.

**BURPEE'S BUSH LIMA**—A dwarf or bush form of the true large Lima which is of great value. They grow from 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder, bearing a handsome large pod, well filled, makes excellent green shelled beans. Price: Pkt., 5c; lb., 35c; postpaid.

## Brussels Sprouts

Matures 140 to 150 days from seed

**IMPROVED HALF DWARF**—Brussels Sprouts are miniature cabbages formed on a plant stalk which usually grows from 20 inches to 2 feet in height, they may be boiled like cabbage or cooked in cream like cauliflower. They are by all means the most delicious and delicately flavored of the cabbage family. On this variety the heads grow very closely and its quality is the finest. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

## Broccoli

The culture is the same in all essentials as for cauliflower, in fact it is a good deal like cauliflower. It is grown most successfully where the season is long, cool, and rather moist. One of the most valuable features is that it withstands greater extremes of temperature than cauliflower.

**NEW WHITE CAPE**—A very desirable variety. It has medium sized heads, close and compact, and of a beautiful creamy white color. A sure header. Price: Pkt., 5c; oz., 35c; postpaid.

## POLE BEANS

One quart to 200 hills

These are more tender than the Dwarf Beans, and planting should be delayed about a week longer. Set a stout stake about 8 feet long, firmly in the center of each hill, leaving four plants to a hill.

**CUTSHORT (Corn Hill)**—A standard sort for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at ends, white with reddish-brown spot. Price: Pkt., 5c; lb., 35c; postpaid.

**DUTCH CASE KNIFE**—An early corn hill bean. Pods very long and flat; beans flat, kidney-shaped, white, of excellent quality, green or dry. Price: Pkt., 5c; lb., 35c; postpaid.

**EARLY GOLDEN CLUSTER WAX**—Begins bearing in July, continuing to produce abundantly until frost, large clusters of golden yellow pods 6 to 8 inches long and of delicious flavor. Valuable either as a shell or snap bean, white seed. Price: Pkt., 5c; lb., 35c; postpaid.

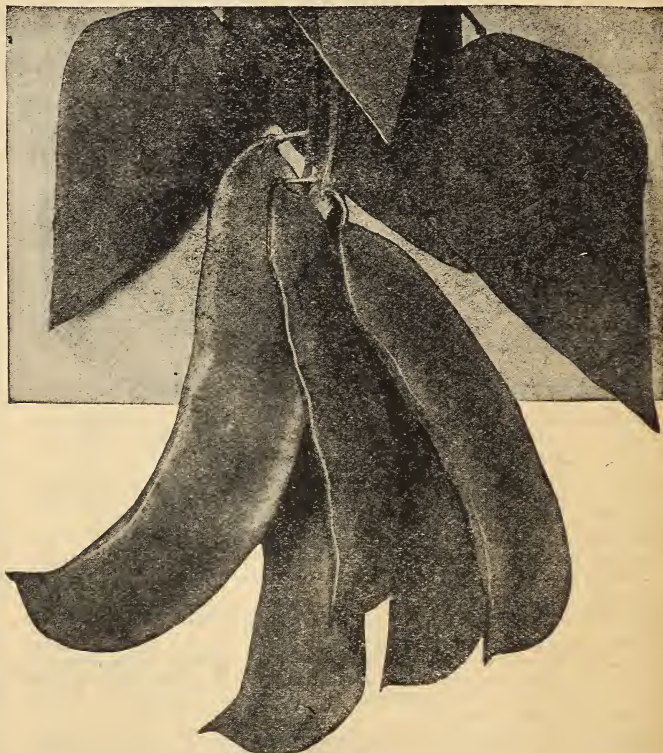
**LARGE LIMA (Butter)**—Productive. Large flat pods; beans white, of excellent flavor. Price: Pkt., 5c; lb., 35c; postpaid.

**LAZY WIFE**—A late bean. Pods long, broad, thick and entirely stringless; rich and buttery; dry beans, white and unsurpassed as shell beans for winter use. Very prolific. Price: Pkt., 5c; lb., 40c; postpaid.

**RED KIDNEY**—Usually grown for dry beans but excellent also as green shell, splendid for boiling or baking. These are the old-fashioned Red Kidney. Price: Pkt., 5c; lb., 35c; postpaid.

**OLD HOMESTEAD OR KENTUCKY WONDER (65 days)**—This old variety is well known to everyone. It is still one of the best Pole Beans. Vine vigorous, very productive, bearing its pods in clusters; pods green, very long, often reaching nine or ten inches, nearly round and very crisp. Ten days earlier than any other green-podded pole bean. Good market sort. Price: Pkt., 5c; lb., 35c; postpaid.

**YARD LONG**—A great curiosity but withal an excellent variety. Produces pods fully three feet long. Splendid for use in the green state as the pods are tender and of fine flavor. Price: Pkt., 10c; Mammoth Pkt., 25c; postpaid.



Large Lima (Butter)

## GRISWOLD'S BEAN COLLECTION NO. 2

15c POSTPAID

Four of our best beans for home gardens are our Stringless Green Pod, Wardwell's Kidney Wax, Old Homestead or Kentucky Wonder Pole Bean and Henderson Bush Lima. We will send you by mail one 5-cent packet of each of these 4 varieties postpaid for 15c. This is your chance to have these 4 splendid varieties at the lowest cost.

MARKET GARDENERS PRICES, SEE PAGES 26 and 27



# BEETS

PRICE OF ALL BEET SEED SHOWN ON THIS PAGE:  
Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; 1b., 70c; Postpaid.

One ounce to 100 feet of drill; 5 to 7 lbs., to acre in drills. The early turnip varieties are ready for the table in from 50 to 60 days from sowing of seed.

The best results are obtained on a deep, rich, sandy loam, in freshly prepared soil, which should be pressed firmly over the seed. In dry weather soak seed 24 hours before planting.

**BEST EARLY BLOOD TURNIP**—A favorite early variety. Roots turnip-shaped, dark red, fine flavor, tender and sweet. Good for winter.

**CRIMSON GLOBE**—Early, of medium size, uniformly round; color deep crimson throughout; exceedingly tender and sweet; good keeper

**CROSBY'S EARLY EGYPTIAN**—An improved strain, of the Egyptian; skin and flesh are dark red, roots smooth, round, fine quality, extra early.

**DETROIT DARK RED TURNIP**—A grand beet for bunching for market, and for the home garden. Tops small, roots globular, skin smooth, dark blood-red, flesh bright, crisp, tender, sweet.

**DEWING'S EARLY RED TURNIP**—Of good form and flavor. Flesh and top deep blood-red; excellent for early or winter use. Smooth and handsome.

**EARLY MODEL**—A perfect globe in shape with a small tap root. The color of the flesh is equal to that of the best beet in existence. The foliage is very small. The beets are always smooth and of deepest blood red color, quickly attaining good size.

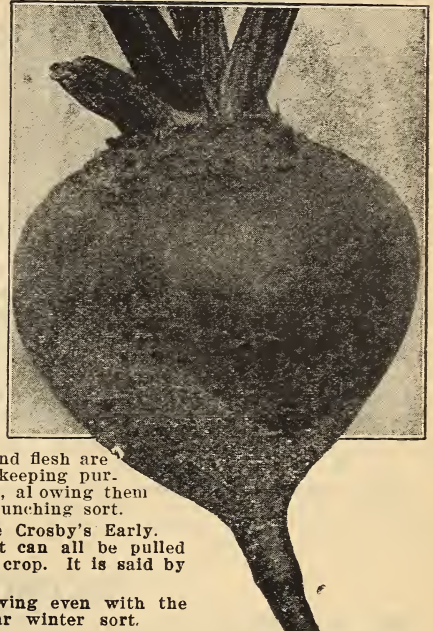
**ECLIPSE**—An extra early variety with round, smooth blood-red roots. Matures very early and is popular both for market and home garden.

**EDMOND'S 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 right marketable size. Tops are small, allowing them to be grown close together. They mature early and give every satisfaction as a bunching sort.

**WOODRUFF'S EARLY WONDER**—A very early beet, maturing earlier than the Crosby's Early. Has a very small tap root and fine deep color. It matures very evenly so that it can all be pulled within a few days after you begin pulling crop. A good beet to sow as a second crop. It is said by market gardeners to be the earliest beet in existence.

**LONG DARK BLOOD**—Tops large, with good sized, long roots, tapering and growing even with the surface; dark red; flesh sweet and tender, remaining so until spring. A popular winter sort.

**STOCK BEETS ARE LISTED ON PAGE 28.**



Ey. Blood Turnip

## PLANT BANDS AND FROST PROTECTORS



Ready to Plant

**PLANT BANDS**—The simplest way to handle plants for transplanting is to grow them in our Ready-to-Use Plant Bands, because they are ready to use and no time is lost in setting them up. You will find these bands very economical; they make an ideal worm guard. When transplanting the old way, roots are exposed to air and with the result that the plants are seriously set back. With Plant Bands it is even possible to transplant corn and cucumbers. Plants started in these bands and set in the field never know they have been moved. Prolong your growing period by getting an early start. Plants mature by this method from two to four weeks ahead of those grown by any other method. You can have the earliest vegetables



Ready to Use

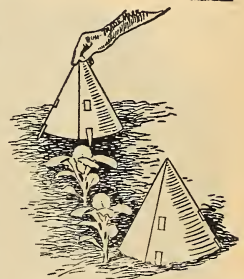
by using these Plant Bands. Take advantage of high prices which plants and vegetables bring when brought to early maturity.

PRICES (All Bands packed 250 to carton)

No.	Size	Depth	Per 100	Pkg. of 250	Per 1000
1-B	1½ x 1¾	2½	\$0.50	\$1.00	\$2.50
2-B	2x2	2½	.60	1.25	2.65
3-B	3x3	3	.75	1.50	3.95
4-B	4x4	3	1.00	2.00	4.65

### FROST PROTECTORS—

With a supply of Ever-Ready Frost Protectors, there is no hunt for tin cans pails, flower pots, or anything that will keep off the frost and anything earthen or metallic is a good conductor of heat and cold, and often plants covered with such articles are frozen. Our Ever-Ready Frost Protector is made from black, shiny, waterproof paper which will last indefinitely. They come flat, packed in packages of 50, with stakes for locking the edges and anchoring the cone to the ground. Once assembled they can be nested for storage and used from year to year. They are just as good as shade and wind protectors for plants just set out for by allowing these stakes on the side opposite the wind or sun to extend beyond the edge, the cone will be tilted enough for ventilation. Price, including stakes: 7c each; 70c per dozen; 25 for \$1.35; 50 for \$2.50.



Frost Protector

## GRISWOLD'S CHOICE VEGETABLE PLANTS

We grow these in large quantities and also contract with careful hotbed growers to guard against failures. Note—We can supply only the varieties listed below.

**CABBAGE**—Ready about April 25th. We can supply the following varieties: Copenhagen Market, Early Jersey Wakefield, Early Winningstadt, Early Flat Dutch, Sure Head, Late Flat Dutch, Large Late Drumhead.

**CAULIFLOWER**—Early Snowball.

**CELERY**—White Plume, Golden Self-Blanching.

**CHIVES**—Clumps of roots. 25c each, postpaid; \$1.50 per dozen, by express.

**EGG PLANT**—New York Purple.

**PEPPER**—Chinese Giant. Large Bell or Bull Nose, Ruby King, Long Red Cayenne.

**SWEET POTATOES**—Yellow Jersey, Red Jersey, Southern Queen.

**TOMATOES**—Dwarf Champion, Chalk's Early Jewell, John Baer, Ponderosa, Stone, Golden Ponderosa, Yellow Pear.

	Ready about	Per doz.
Early Cabbage	Apr. 25	\$0.25
Late Cabbage	May 10	.20
Early Tomato	Apr. 25	.25
Late Tomato	May 10	.20
Cauliflower, Snowball	May 10	.25
Egg Plant	May 10	.25
Early Celery	May 10	.20
Late Celery	June 1	.20
Pepper	May 10	.25
Sweet Potatoes, Yellow Jersey	May 10	.....
Sweet Potatoes Red Jersey and So. Queen	May 10	.....
Asparagus Roots	.....	.25
Rhubarb Roots	.....	10c each

	Postpaid		By Express, Your Expense		
	Per 25	Per 100	Per doz.	Per 100	Per 1,000
Early Cabbage	\$0.40	\$1.25	\$0.15	\$1.15	\$10.00
Late Cabbage	.30	1.00	.15	.90	7.50
Early Tomato	.40	1.25	.15	1.15	10.00
Late Tomato	.35	1.20	.15	1.00	9.00
Cauliflower, Snowball	.40	1.50	.20	1.35	12.50
Egg Plant	.40	1.50	.20	1.35	12.50
Early Celery	.35	1.00	.15	.90	7.50
Late Celery	.30	.75	.15	.60	5.00
Pepper	.45	1.50	.20	1.35	12.50
Sweet Potatoes, Yellow Jersey	.....	.70	.....	.60	5.00
Sweet Potatoes Red Jersey and So. Queen	.....	.95	.....	.85	7.50
Asparagus Roots	.40	1.15	.15	1.00	8.50

PRICES OF VEGETABLE PLANTS SUBJECT TO CHANGE

50c per doz.



## Cabbage

One ounce to 5,000 plants; 2 ounces to transplant an acre. Ready for table in from 100 to 160 days from seed, according to varieties.

FOR CABBAGE PLANTS SEE PAGE 5

For early summer use sow in hotbed in February or March. Before transplanting to the open ground they should be hardened off by exposing them gradually to the night air. For winter use sow in open ground in May or June, taking care in either case not to let the plants stand too closely, as this makes them "spindling". When five or six inches high, transplant in rows two feet apart one way, and 12 to 18 inches the other way, according to variety, burying to the first leaf, whatever the stem length. Hoe frequently drawing the earth up about the plants until they begin to head.

### EXTRA EARLY VARIETIES

**COPENHAGEN MARKET**—Best early flatheaded cabbage. The illustration is a good representation of a splendid new early cabbage, one our customers should not overlook. It is the earliest large round flat headed sort. The ripening is early and uniform, all maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging 10 pounds in weight. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**EXTRA EARLY EXPRESS**—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

**EARLY JERSEY WAKEFIELD**—Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

**EARLY WINNINGSTADT**—One of the best, being very hardy and sure to head; suffers less from the cabbage worm than any other sort; heads regular, conical, very hard and keeps well. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.



Late Drumhead

### SECOND EARLY or SUMMER VARIETIES

**EARLY DRUMHEAD**—A fine strain; of dark bluish-green color, plant very hardy, compact, flat head. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

**EARLY DWARF FLAT DUTCH**—An early cabbage of good size. Heads are flat and very solid. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

**EARLY SUMMER**—Deservedly popular with market gardeners throughout the country. It forms large, solid, round, flattened, compact heads of excellent quality, tender and sweet. The heads average over double the size of the Jersey Wakefield weighing eight to ten pounds each, while it matures only ten or twelve days later. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

**ALLHEAD EARLY**—Earlier than any other large cabbage, larger than any other early cabbage. Heads deep, flat, solid uniform and very tender owing to its rapid growth. An all-the-year cabbage. We consider this one of the best second-early sorts on our lists. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

**ALL SEASONS (Vandergaw)**—This excellent sort is early, maturing a week or ten days after All Head Early; makes larger and harder heads than that sort, averaging ten to fifteen pounds in weight. Truly an all-season variety. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

### LATE or WINTER VARIETIES

**HOLLANDER (Danish Ball Head)**—Hardest heading variety known. Remarkable for great weight and long-keeping qualities. Price: Pkt., 5c; oz., 35c; ¼ lb., 90c; postpaid.

**LARGE LATE DRUMHEAD**—A favorite winter variety, extra large, solid heads. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

**PREMIUM LATE FLAT DUTCH**—(Selected Strain). The heads are of a bluish-green color, flat on top, and are solid and large. Has no useless outer leaves and grows low with short stem. It cuts white and crisp, the flavor is excellent with no stringiness. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.



Copenhagen Market

**RED DUTCH**—The best, largest and surest heading red cabbage. Used mostly for pickling. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

**SUREHEAD**—This cabbage never fails to make a fine, solid, large head, with few outer leaves. It is a vigorous grower, maturing late. First-class main crop variety. Price: Pkt., 5c; oz., 20c; ¼ lb., 55c; postpaid.

For your convenience in ordering we have made up a number of Seed Collections. You will find them in different places in the Seed Department. If you wish a collection just order by number

The simplest method of keeping root crops in good condition for winter use—store in cool cellar in boxes, etc. and cover with dry sand or fine soil, thus excluding the air. They will keep as solid as when freshly dug, and are ready for use at any time.



Late Flat Dutch

MARKET GARDENERS PRICES, SEE PAGES 26 and 27



# Carrots

One ounce to row 100 feet long. 3 lbs. per acre. Ready for table in from 45 to 120 days from seed, according to variety.

Any good land if thoroughly and deeply worked will produce satisfactory crops. Sow as early as the ground can be worked, sow the smaller kinds in rows 16 to 18 inches apart. For field culture sow in drills 18 to 24 inches apart.

**CHANTENAY**—The market gardener's and trucker's favorite. It is an early, very prolific, half long, stump-rooted variety, smooth-skinned, fine in appearance and entirely coreless. It is pulled very easily. The color is a rich orange and the texture and quality are unsurpassed. The finest of all sorts, and it is undoubtedly the best bunching carrot for early market use.

**DANVER'S HALF LONG POINTED**—A half long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. Roots six to eight inches long, tapering uniformly to a blunt point. Flesh deep orange tender and of good quality. Although the roots of this variety are comparatively short they often produce as large a bulb as the longer field sorts and are more easily harvested.

**EARLY SCARLET OR SHORT HORN**—One of the most popular varieties grown; color deep orange; flesh fine grained and of agreeable flavor; tops small; has a short stump-shaped root. Grows well in shallow soil one of the best for early outdoor planting and for table use.

**HALF LONG STUMP ROOT**—The tops are of medium size, roots deep orange, large, tapering to a dull point. Smooth, crisp and tender.

**HALF LONG SCARLET NANTES**—The leaves are fine, the roots are almost cylindrical, very smooth, of good shape and size, and about six inches long; the flesh is red and very sweet. They are easily pulled and keep well. A most excellent sort.

**IMPROVED LONG ORANGE**—The roots grow uniform and smooth, 8 to 10 inches long, of large size and deep, rich orange color. It is a good keeper and of fine quality for table use, also highly nutritious for stock. A heavy yielder, best late carrot.



Danver's Half Long

**OX HEART or GUERANDE**—A thick carrot, five inches long and very blunt at the lower extremity. It grows very rapidly and the roots attain a weight of more than a pound. It is tender, of good flavor and of a deep orange color and is a variety we can recommend to all market gardeners.

PRICE OF ALL TABLE CARROTS: PKT., 5c; OZ., 10c; ¼ LB., 25c; POSTPAID.

## CARROTS FOR STOCK

Sow 4 to 6 lbs. to the acre in April or May

These are undoubtedly the most valuable of all the roots usually grown for stock. They are more nutritious than turnips and nearly all animals like them and are benefited by them.

**LARGE WHITE BELGIAN**—Grows one-third out of ground. Roots pure white, green above ground with small top. Flesh rather coarse. The roots grow to a large size. Price: Pkt., 5c; ¼ lb., 20c; lb., 65c; postpaid.

**LARGE YELLOW or VICTORIA**—Largest, heaviest cropping and most nutritious variety in cultivation; roots fine, of light orange color, and possessing high feeding properties; good keeper. Price: Pkt., 5c; ¼ lb., 20c; lb., 65c; postpaid.

# Cauliflower

These need a deep, rich moist soil, and require the same treatment as cabbages. For early summer varieties, seed should be sown in hotbed early in March, transplant when weather is warm. For late or autumn varieties, sow in March or April, transplant in June. Hoe often.

**DANISH GIANT (Dry Weather)**—The merits of this first class cauliflower are recognized by its increasing popularity. The crop is 2 or 3 weeks earlier than the Earliest Erfurt. The heads are pure white and of fine quality. The plants are less

affected by dry weather than any other variety making it very valuable for dry sections. Price: Pkt., 5c; ½ oz., 1.65; oz., \$3.00; postpaid.

**EARLY SNOWBALL (Early Selected)**—This very superior strain is noted for producing plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. For forcing or planting in open ground no other variety can surpass it. Good for early, second early, and late planting. Price: Pkt., 5c; ½ oz., \$1.35; oz., \$2.50; postpaid.



Early Snowball

**FREE \$1.00 BOOK FREE**  
**GRISWOLD'S READY REFERENCE FARM GUIDE**

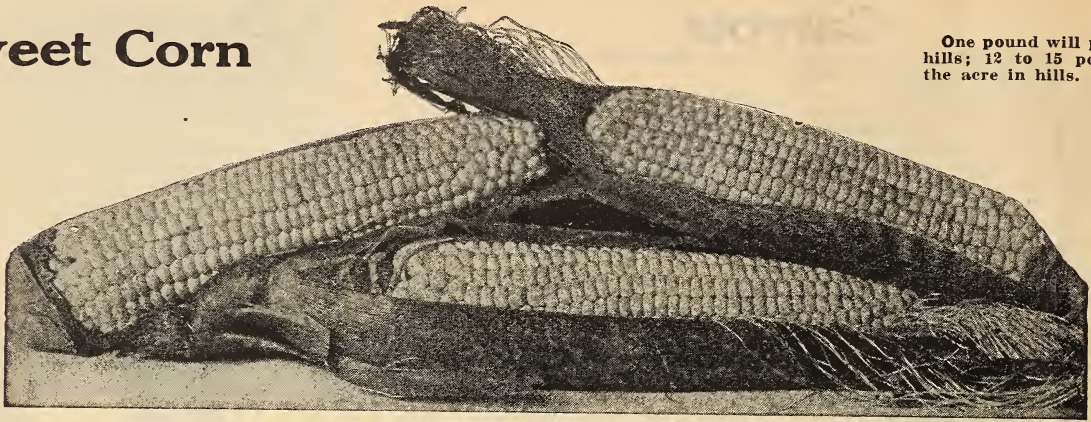
You cannot afford to be without the Farmer's Ready Reference Book. Contains 192 pages of the most vital interest to the Farmer, Gardener, Ranchman, Dairyman, etc. Chapters on all departments of life. Each chapter written by an expert in his particular line. Government and state experts wrote it. This book is easily worth \$1.00 to anyone and it will save you many dollars in the course of a season. Send us your order for \$5.00 worth of seeds and a copy of this book will be sent you free, postpaid, if you mention this offer when ordering. The supply is limited. Only one to a customer. Order today.

**MARKET GARDENERS PRICES, SEE PAGES 26 and 27**



# Sweet Corn

One pound will plant 100 hills; 12 to 15 pounds to the acre in hills.



**Howling Mob**

Sweet Corn being liable to rot in cold wet ground should not be planted before May, or until the ground is warm; nothing is gained in time, and much is lost in quality by planting too soon.

**ARISTOCRAT (The Peer of all Sweet Corn)**—This delicious sweet corn was first introduced a few years ago. It is a very reliable sort and an extra early variety, stalks grow 4 to 6 ft. high and ears of large size. Grains are extremely sweet and, being broad, allow of easy scoring with the knife preparatory to buttering when eating from the cob. **Price: Pkt., 5c; lb., 35c; postpaid.**

**COUNTRY GENTLEMAN (Shoe Peg)**—Has a small cob densely covered with irregular rows of long, slender grains of quality. **Price: Pkt., 5c; lb., 30c; postpaid.**

**CROSBY'S EARLY**—Remarkably early and of the best flavor.

Ears of medium size, twelve-rowed, with grains very tender and sweet. **Price: Pkt., 5c; lb., 25c; postpaid.**

**EARLY CHAMPION**—Only a few days later than the extra earlies, bearing large, handsome, twelve-rowed ears. Deep, white, plump, grains of milky tenderness and very sweet. Very productive. **Price: Pkt., 5c; lb., 25c; postpaid.**

**EARLY EVERGREEN**—This is a very popular Sweet Corn. It is in the second early class, comes to maturity fully ten to twelve days earlier than Stowell's Evergreen and yields large, handsome ears of most delicious flavor. It has a ready sale in the market on account of its handsome appearance and earliness. **Price: Pkt., 5c; lb., 25c; postpaid.**

**EARLY MINNESOTA**—One of the best early sorts for the market or private garden. Stalks four to five feet high and bearing one or two long, eight-rowed ears, kernels very broad, sweet and tender, not shrinking much in drying. **Price: Pkt., 5c; lb., 25c; postpaid.**

**EXTRA EARLY PREMO**—A real Sweet Corn as early as Aristocrat. Large, sweet and tender. Plant early, as it will stand some frost. **Price: Pkt., 5c; lb., 25c; postpaid.**

**GOLDEN BANTAM**—Extremely hardy, can be planted earlier than any other true sweet corn, thus producing the earliest supply. Ears 6 inches long, with 8 rows of grains, which are a golden yellow when ready for use. Can be planted thickly, and every stalk should have from 1 to 3 perfect ears. **Price: Mammoth Pkt., 10c; lb., 30c; postpaid.**

**GOLDEN EVERGREEN**—A cross between Golden Bantam and Stowell's Evergreen and a most excellent sort of fine quality. Ears 8 inches long, 12-rowed; matures with Howling Mob; grain rather board and deep, and of a rich golden-yellow color. **Price: Pkt., 20c; lb., 35c; postpaid.**

**HOWLING MOB**—Its peculiar but apt name refers to the vociferous demand for the ears when the originator, Mr. Keller, took them to market. The stalks are of strong, vigorous growth,  $4\frac{1}{2}$  to 5 feet in height, have abundant foliage and generally produce two fine ears to a stalk. The ears measure from 7 to 9 inches in length with twelve to fourteen rows of good sized pearly-white grains. **Price: Pkt., 5c; lb., 25c postpaid.**

**MAMMOTH SUGAR**—Produces the largest ears of any sort; excellent quality, sweet, tender, delicious; late variety. **Price: Pkt., 5c; lb., 25c; postpaid.**

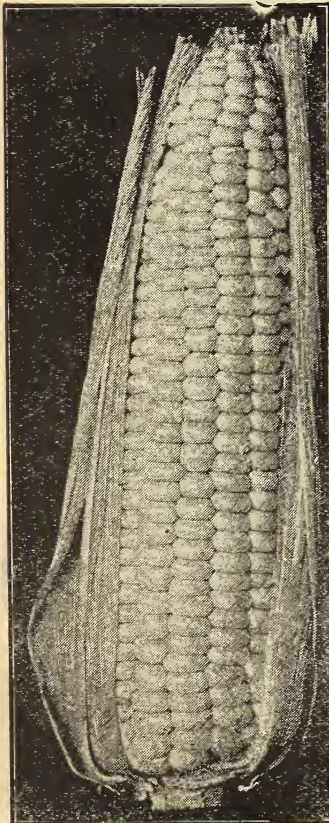
**MAMMOTH WHITE CORY**—Nearly as early but larger than Early Cory. The ears are 12 rowed; grains are broad, very white and of excellent quality for an early sort. **Price: Pkt., 5c; lb., 25c; postpaid.**

**PEEP O' DAY**—The two points of this new corn are its extraordinary earliness and sweetness. It is also very productive, the stalks bearing from two to five ears, are very dwarf, which admits of their being planted close together. **Price: Pkt., 5c; lb., 25c; postpaid.**

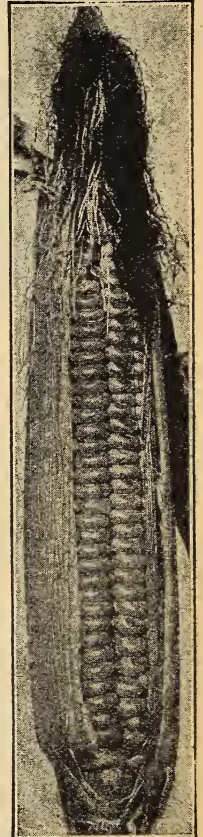
**STOWELL'S EVERGREEN**—The standard main crop variety. It is hardy, large growing and productive, very tender and sugary, remaining a long time in condition suitable for boiling. **Price: Pkt., 5c; lb., 25c; postpaid.**

**PAPAGO**—We call it Papago because a few kernels were found several years ago on the Papago Indian Reservation south of Tucson, Arizona. It thrives well on heat and grows and produces admirably in an arid section. The stalks grow to a height of about 7 feet, and each one produces from two to four well-filled ears of the sweetest and most delicious corn one ever ate from a cob. In hot, dry sections it will outyield all varieties of Sweet Corn nearly 10 to 1. **Price: Pkt., 10c; lb., 35c; postpaid.**

**POPCORN**—See page 35.



Early Minnesota



Golden Bantam

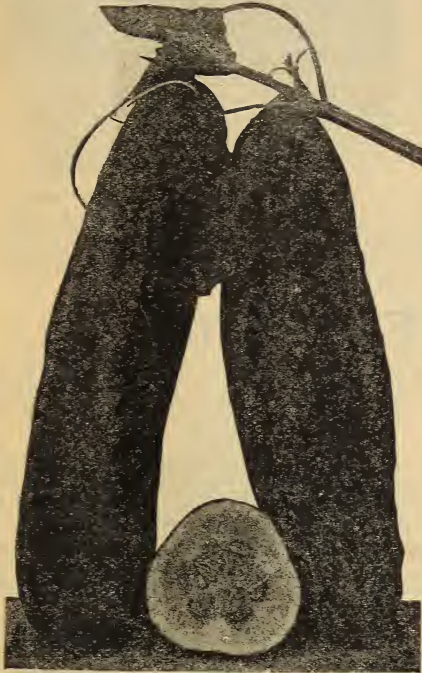
**MARKET GARDENERS PRICES, SEE PAGES 26 and 27**



# Cucumbers

One ounce to 50 hills; 2 to 3 lbs. to the acre. Earliest variety ready for table use in 50 to 55 days from seed. Main crop in 65 to 75 days.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 or 10 seeds in a hill cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects leave 3 or 4 plants to a hill.



Improved Long Green

**BOSTON PICKLING or GREEN PROLIFIC**—One of the best pickling varieties; dark green, tender, crisp and productive. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**DAVIS PERFECT**—This cucumber has the merit of being not only a first-class variety for forcing under glass, but is equally good for outdoor culture. The color is dark, glossy green; in shape it is smooth and symmetrical with an average length of ten to twelve inches. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**EARLY CLUSTER**—A short pale green variety; fruit borne in clusters near the root, containing few seeds. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**EARLY FRAME or SHORT GREEN**—Excellent for table use and for pickling. Fruit straight, smaller at each end; bright green, flesh tender and crisp. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

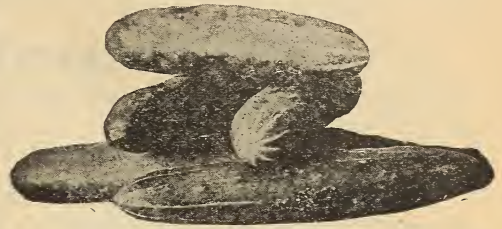
**EVERBEARING**—Small, very early and productive; solid, few seeds and of fine quality. It continues to bear until frost. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**IMPROVED JERSEY PICKLING**—A standard small variety, dark green, tender, crisp, productive, of fine flavor and uniform size. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**IMPROVED EARLY WHITE SPINE**—For forcing it is preferred to all others. Flesh tender and crisp. Fruit uniform in size, straight and light green, with a few white spines. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**IMPROVED LONG GREEN**—A well-known standard, main crop variety, about 9 inches long, of excellent quality, and makes the best of pickles. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**LEMON CUCUMBERS**—A new kind of cucumber, called the "Lemon". It is similar in color and shape to a lemon, hence its name. Its flavor is delicious and it is never bitter. Excellent for slicing—we know of none equal to it; used in salads and when quite small is often eaten like radishes. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.



Boston Pickling

# Celery

One ounce to 3,000 plants or 200 feet of drill

Sow the seed (which is slow to germinate) in shallow boxes or hotbed, cover the seed not too deep. Keep the bed moist, almost wet, until the seeds germinate. When about four inches, thin out and transplant so that they may stand three inches apart, when the plants are four inches high, cut off the tops, which will cause them to grow stocky. The essentials to success in celery growing are rich soil and plenty of water. The best results are usually obtained from setting about the middle of June or the first of July.

**CELERIAC GIANT PRAGUE**—The roots of this celery are turnip-shaped, large and smooth; are almost round and with a very few side roots. Sweet and tender and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

**GIANT PASCAL**—One of the best for fall and winter use. The stalks are very large, solid, crisp and of rich, nutty flavor. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

**GOLDEN SELF-BLANCHING**—This is without doubt the best celery for general use, the ribs are perfectly solid, crisp, brittle and of delicious flavor, while it has the decided merit of being self-blanching to a very remarkable degree. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.

**WHITE PLUME**—A variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white. By simply tying up the stalks and drawing up the soil with the hoe the work of blanching is complete. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

## SAVED CUCUMBERS

Nuckols Co., Nebr., June 14, 1922.

Gentlemen: The Vaporkil has saved my Cucumbers and Cantaloupes. Please send another package at once.

MRS. J. W. MCCOY.



Golden Self-Blanching

For Sprayers and Spray Material See Pages 60-62



## Corn Salad

A hardy winter salad, the small leaves being served like lettuce during the fall and early winter months. It is used for garnishing meat dishes the same as parsley and cress. Seed should be sown thinly in drills during August, September and October to supply fresh leaves during the cool fall and winter months. It is quite hardy, and after cool weather sets in can be protected by a thin mulch of hay or straw. Price: Pkt., 5c; oz., 15c; postpaid.

## Collards

Make excellent greens and are also excellent for all kinds of stock. Leaves may be pulled from underneath the head of the plant, and cattle, hogs and poultry are very fond of it. Such action does not injure the growing and preserving of the Collard for human food. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; postpaid.

## Chufas or Earth Almond

In sweetness and flavor very much resembles a coconut or almond and greatly liked by all children. Vary in size from a large pea to a hazelnut. The nuts grow under and near the surface of the ground, easily reached and relished by pigs and poultry. As soon as the crop is grown, turn the animals into the field, thus saving the labor of harvesting and feeding, and when either hogs or chickens get a taste of them they will go over the whole field in search for them. Very prolific, nutritious and fattening. Price: Pkt., 5c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 70c; postpaid.

## Finocchio

**FLORENCE FENNEL**—A delicious vegetable which should be more largely grown in this country. It is extensively used in Italy as a salad, and also may be served boiled. When the enlargement of leaf stalk, at base of stem, is about the size of a hen's egg it should be earthed up so as to cover half of it and in about ten days cutting may be commenced and continued as the plants increase in growth. The flavor is somewhat like celery but it has a sweet taste and delicate odor. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.25; postpaid.

## Cress or Peppergrass

Ready in from 21 to 40 days. Cress should be sown in a sheltered spot quite thick in shallow drills, in a short time it will be fit for cutting. Sow frequently, as it matures rapidly.

**EXTRA CURLED**—This small salad is much used with lettuce. The warm, pungent taste makes a most agreeable addition. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**WATER CRESS**—Hardy perennial, growing rapidly on the banks of streams or ponds. Price: Pkt., 5c; ½ oz., 25c; oz., 40c; postpaid.

## Chives

**CHIVES (Schnittlauch)**—A perfectly hardy plant something like an onion. Tops are cut off from time to time and used to flavor soup. Price: Seed, pkt., 10c; clumps, 25c each; postpaid. By express, \$1.50 per dozen.



Chinese Cabbage



New York Purple

## Egg Plant

One ounce to 1,000 plants. Ready for table in 145 to 160 days.

A tender plant, start early in hotbed or in the house. Plant out early in June, be careful to prevent plants being chilled by the change.

**BLACK BEAUTY**—Is ten days to two weeks earlier than New York Improved. The fruits are large, of a rich glossy purplish black color, very handsome and attractive. It is entirely free from spines. Price: Pkt., 5c; oz., 40c; postpaid.

**IMPROVED NEW YORK PURPLE**—Entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large satiny smooth and a rich purple color. Price: Pkt., 5c; oz., 40c; postpaid.

## Garden Huckleberry

This new fruit belongs to the same family as tomatoes, egg plant and potatoes. It can be grown from seed the first year; easiest plant in the world to grow, succeeding anywhere and yielding great masses of rich fruit all summer and fall. The greatest boom to the family garden ever known. Everybody can have this grand fruit at small expense as one or two packets of the seed will be sufficient for any garden and produces all the fruit wanted. The fruit is as large as a grape, and jet black when ripe. It is non-edible when green, but when ripe it is fine for cooking, the flavor being very much like the real Huckleberry. It makes delicious pies, jellies, preserves, sauce, jam, etc. It may be canned or preserved in any form. Price: Pkt., 10c; Mammoth Pkt., 25c; postpaid.

## Endive

One ounce to 100 feet of drill. Ready for table in 43 to 50 days from seed

One of the best autumn and winter salads. Sow from June until August, ½ inch deep in drills 14 inches apart and thin out to one foot apart in rows. When nearly grown, bleach by tying tips of leaves together.

**GREEN CURLED, WINTER**—Very hardy; leaves dark green and tender. Much better than the common varieties. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**MOSS CURLED**—Leaves very finely curled. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**WHITE CURLED**—Very tender when cut young; blanches readily. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

## Chinese or Celery Cabbage

A delicious celery-flavored cabbage. Large, compact head, crisp, tender and brittle with a fine celery flavor. Makes a most excellent salad or may be cooked as cabbage. Culture the same as for winter cabbage. When large enough should be blanched by earthing up and tying closely with burlap. Price: Pkt., 5c; oz., 50c; ¼ lb., \$1.75; postpaid.



## GARDEN HERBS

Herbs delight in a rich, mellow soil. Those marked with an \* are perennial. Sow early in spring in shallow drills, one foot apart; when up a few inches thin out; cut just before they come into full blossom, tie in bunches and hang up or spread thinly.

**DILL**—Leaves and seed are used in soups, sauces and pickles. It reseeds itself each year. Price: Pkt., 5c; oz., 15c; ¼ lb., 50c; postpaid.

\***LAVENDER**—Aromatic, medicinal herb. Price: Pkt., 5c; oz., 65c; ¼ lb., \$2.00; postpaid.

**MINT**—The old-fashioned mint has been growing in favor of late years. Used in flavoring meats, etc., also for mint sauce. Easily grown. We offer only roots. Price, per clump, 20c; 2 for 35c; postpaid.

\***MAJORAM** (Sweet)—Leaves and shoots used for seasoning. Price: Pkt., 5c; oz., 65c; ¼ lb., \$2.00; postpaid.

**LEEK** (American Flag)—The Leek is a very hardy plant with a sweet onion-like flavor. It does not make bulbs, but the plant has a long, thick neck somewhat resembling the young growth of the onion in the spring. Price: Pkt., 5c; oz., 20c; postpaid.

\***SAGE**—Most useful herb for seasoning. Price: Pkt., 10c; mammoth Pkt., 25c; postpaid.

**SUMMER SAVORY**—Used for flavoring soups. Price: Pkt., 5c; oz., 60c; ¼ lb., \$2.00; postpaid.

\***THYME**—For medicinal use. Price: Pkt., 5c; oz., 65c; ¼ lb., \$2.00; postpaid.



## Kohlrabi

One ounce to 300 feet of drill, and makes 3,000 plants  
A vegetable intermediate between the cabbage and turnip. The edible bulb is served like turnip. Sow from May to July in rows 18 inches apart, and thin. Cultivate the same as cabbage.



Kale, Tall Green Curled

**EARLIEST SHORT-LEAVED WHITE VIENNA FORCING**—This variety is especially adapted for early work and forcing; delicate flavor, flesh white and very tender. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

**EARLY WHITE VIENNA**—A favorite sort; flesh white and tender. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

**EARLY PURPLE**—Purple outside with white flesh. Price: Pkt., 5c oz., 25c; ¼ lb., 75c; postpaid.

## Kale or Borecole

This is a popular boiling-green for fall, winter and early spring use, resembling cabbage in flavor. The plant is entirely hardy in well-drained soil and can be grown easily from seed planted during the summer and fall months. The plants are usually cut off for use when the leaves are 6 inches in length. The sweetness and flavor of the leaves are improved by freezing weather. One ounce should produce 4,000 plants.

**DWARF KALE**—The leaves are curly, bright green, very tender, and delicate flavor. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.

**TALL GREEN CURLED**—About two feet high, with numerous dark green curled leaves. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.

## Mustard

**CHINESE**—The immense leaves grow rapidly, and can be cut frequently until killed by frost. Leaves are eaten boiled, like Spinach. Price: Pkt., 5c; ¼ lb., 20c; lb., 60c; postpaid.

**MAMMOTH SOUTHERN CURLED**—The large curled-leaf variety, popular in the South, where the seed is sown in the fall for spring use. Price: Pkt., 5c; ¼ lb., 20c; lb., 60c; postpaid.

**WHITE**—A small pungent salad; the seed is also used for flavoring pickles, etc. Price: Pkt., 5c; ¼ lb., 20c; lb., 60c; postpaid.



Mustard

### LOVELY TOMATOES

Chase Co., Nebr., Feb. 27, 1922.

Gentlemen: I bought some Baltimore Baer Tomatoes, John Baer and Pink Beauty last year and had more tomatoes than I could use. Sold a great many bushels and everybody that bought of me sure bragged on my lovely tomatoes.

JESS JONES.

## Mushroom Spawn

The Mushroom is a delicious edible fungus of which there are numerous varieties. We handle the ordinary commercial variety of a creamy white color with loose gills which underneath are of pinkish-red, changing to liver color. These can be grown in a warm cellar or enclosed shed in which an even temperature can be maintained of fifty or sixty degrees and where a plentiful supply of fresh horse manure for making the bed can be obtained.

**AMERICAN** (Spore Culture Spawn)

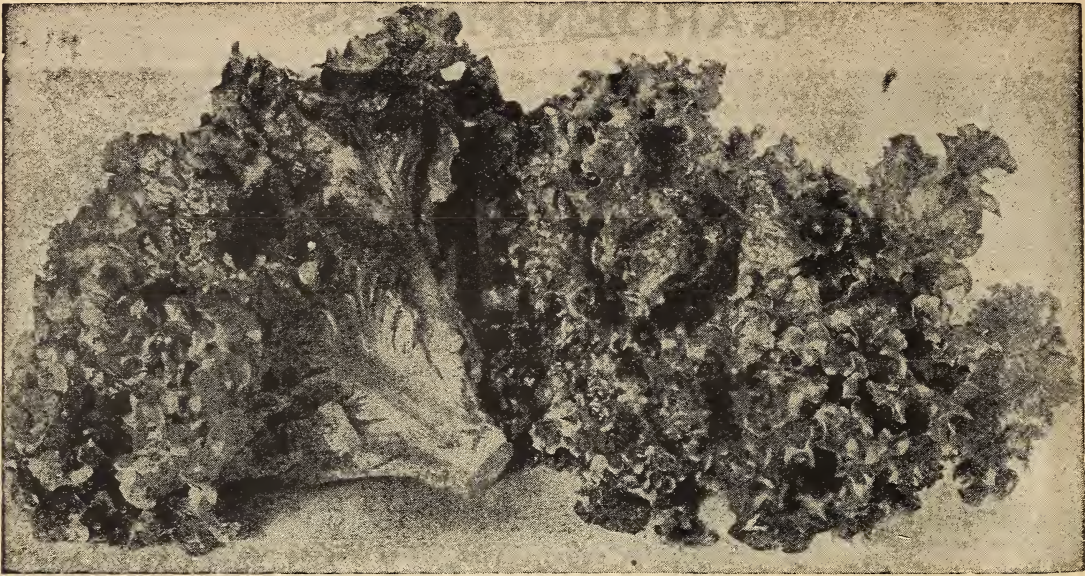
Produced by the new grafting process, from selected and most prolific varieties, has never failed to run. Price per brick, (enough for 8 square feet, 35c; 5 for \$1.50; by mail, postpaid. By express, at buyer's expense, per brick, 25c; 6 bricks, \$1.40; 12 bricks, \$2.75.



**MUSHROOM CULTURE**  
A most practical work on the growing of mushrooms. Describes how they may be grown with profit by market gardeners, and also how to grow them for home use. Illustrated 32 pages. Price: 25c; postpaid.

FOR MARKET GARDENERS PRICES, SEE PAGES 26 And 27





Simpson's Early Curled

## LETTUCE

One ounce to 400 feet of drill. Ready for use in 3 or 4 weeks; marketable size 60 to 75 days from seed.

### CURLED OR LOOSE LEAF VARIETIES

**BLACK SEEDED SIMPSON**—The leaves are large and form a compact mass. They are thin, tender and of a very light green color. Well adapted for growing under glass or for very early spring use. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**EARLY PRIZE HEAD**—Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinged with brownish red. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**GRAND RAPIDS**—As a lettuce for greenhouse forcing, this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days

after being fit to cut. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**EARLY CURLED SILESIA**—An early, erect growing and loose heading lettuce, especially adapted for outdoor planting, and can be used when very young. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**SIMPSONS EARLY CURLED**—Leaves broad, frilled and blistered. Light green, sweet, tender, and well flavored. An early, erect growing sort. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

### CABBAGE OR HEADING VARIETIES

The best results with head or cabbage sorts is only obtained when the plants are transplanted several times.

**BIG BOSTON**—A large heading, forcing sort, very hardy and vigorous, with broad, comparatively smooth, thin and very hard, bright green leaves. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**CALIFORNIA CREAM BUTTER**—Forms round, crisp, solid heads, of buttery flavor, medium early. One of the best summer varieties of head Lettuce. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**HANSON**—Forms a large, flat head, resembling that of cabbage and so slow to form a seed stalk that it often fails to seed. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**ICEBERG**—Makes a large handsome crisp head, conical in shape, tightly folded and well balanced; outer leaves fringed. Very highly esteemed for its beautiful appearance and mild flavor, even during hot summer months. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

## Lentils

A leguminous annual, resembling peas, with round, flat seeds, which are much used for soup and making a delicious dish; they are also splendid for pigeon feed. The stems and leaves make good fodder. Succeeds well on dry soil. Price: Pkt., 5c. Write for price in larger quantities.

## Horseradish

This splendid appetizer cannot be overestimated. Twenty-five plants are sufficient for a family. The roots grow and increase rapidly in size with each succeeding year. Plant in a corner of the yard where you wish it to grow and you can begin digging the next year. Postpaid, 50c per doz.; not postpaid, 40c per doz.

We are agents for Myers Spray Pumps. The World's Best. See page 60.



Improved Hanson Head

FOR MARKET GARDENERS PRICES, SEE PAGES 26 And 27



# MUSK MELONS

One ounce to 50 hills: 2 to 3 pounds per acre. Earliest varieties ready in 90 to 100 days from sowing. General crop requires 115 to 140 days.

Melons thrive best in light, rich soil. Plant when the ground has become warm and dry. The letter G following name signifies green meat; S, salmon colored.

**BANANA CANTALOUPE. S.**—The melons grow 24 to 30 inches long; stand summer sun as no other cantaloupe will, and continue to bear until late in the season. The salmon-colored flesh is thick and of delicious banana-like flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.15; postpaid.

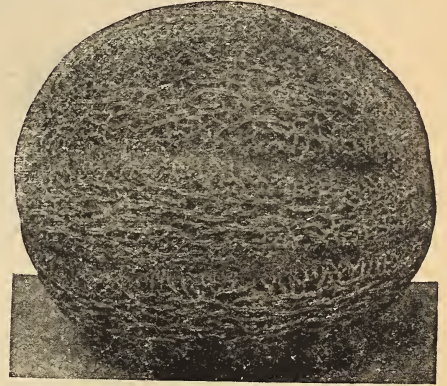
**BURRELL'S GEM. S.**—Very much like Rocky Ford, but has orange colored flesh. The flesh is fine grained and spicy. It is a good keeper. Fruits large and somewhat elongated. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.05; postpaid.

**EDEN GEM or NETTED ROCKY FORD CANTALOUPE. G.**—This magnificent new muskmelon is a selection of the old Rocky Ford, which it completely surpasses in lusciousness, yield, carrying, and good selling qualities. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; postpaid.

**EMERALD GEM. S.**—Where an extra early melon for home use is wanted, nothing can equal this superb sort. Of medium size, outside skin emerald green and smooth. Ripens clear through to rind, which is very thin. Flesh is thick and juicy, of nice salmon color. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.05; postpaid.

**EXTRA EARLY HACKENSACK. G.**—Ten days earlier than Hackensack. Melons weigh 4 to 10 pounds each. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; postpaid.

**GOLD LINED ROCKY FORD. G.**—This strain of the Eden Gem type is the result of several years' selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. It is thick meaty, fine grained and sweet; color green with a gold margin next to the seed cavity. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75; postpaid.



Gold Lined Rocky Ford

**HONEY DEW MELON**—It is as sweet as honey and has the mingling of several flavors—pineapple, banana and vanilla predominating. The average size of the melon is 6 inches in diameter and 7 to 8 inches in length, weight 5 to 6 pounds. The seed cavity is very small, the rind impervious to water, the melon does not shrink in weight, is not easily bruised and is a splendid shipper. Yields at the rate of 8,000 to 10,000 melons per acre. The melon slips from the vine when ripe and will keep for several weeks; the late maturing ones may be kept until Christmas. Price: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.40; postpaid.

**HACKENSACK. G.**—A popular variety of large size. It is round in shape, flattened at both ends, of most delicious flavor and wonderfully productive. Flesh green. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; postpaid.

**LONG ISLAND BEAUTY. G.**—A variety similar to Hackensack but of superior quality. Melons are large, deep ribbed and heavily netted. Flesh a clear green. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; postpaid.

**NEW BUSH. G.**—A Compact Bush-growing Variety.—It has every indication of revolutionizing the melon-growing industry on account of its bush growing habit. Contrary to expectations, it is unusually productive, and permitting, as it does, close planting (2½ feet apart), the yield per acre is considerably enhanced. It is one of the most deliciously flavored and most spicy melons in cultivation being more than noticeably sweet and juicy. The plants grow 15 to 18 inches wide, should be planted in hills 2½ feet apart, 3 to 4 plants in a hill; they yield twice as much as vine sorts. Deeply netted with shallow ribs, the flesh is light green and of exquisite quality. Price: Pkt., 20c; oz., 40c; ¼ lb.,

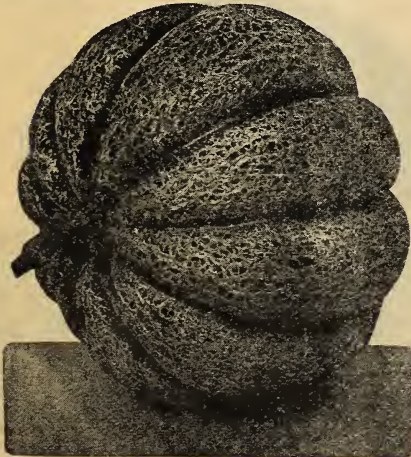


Rocky Ford

\$1.35; lb., \$4.00; postpaid.

**NUTMEG. G.**—Fruits round, 7 inches in diameter, slightly flattened at the ends. Well ribbed and heavily netted; thick, pale green flesh, sweet and melting. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; postpaid.

**OSAGE or MILLER'S CREAM. S.**—A standard sort, medium size, oval, dark green, netted and slightly ribbed. The flesh is thick and firm, rich salmon colored, highly flavored and delicious to the rind. Price: Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.05; postpaid.

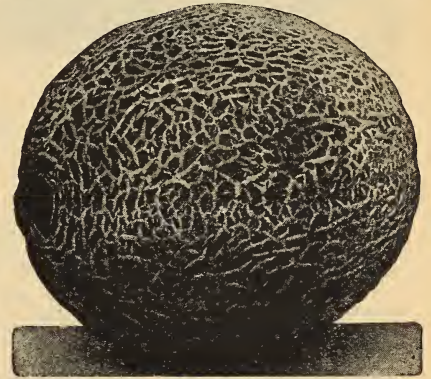


Large Hackensack

**PAUL ROSE or PETROSKY. S.**—It is an ideal melon, form oval, about 5 inches in diameter. It has the flesh color and quality of Osage with a flavor entirely its own. It has no equal as a market melon for professional growers. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.05; postpaid.

**ROCKY FORD. G.**—This variety has everywhere been in great demand. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colo., to the large cities, taking the place of other varieties. Of just the right size for table use. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; postpaid.

**SANTA CLAUD MELON. G.**—Just think of having a melon to eat with your Christmas dinner! But this is what is claimed by the originator of this wonderful novelty. There is no seed cavity. The seeds are embedded in a jelly-like pulp. The light green flesh is absolutely stringless; its flavor excels anything in the melon line; it is in a class by itself and is beyond description. This melon should become more popular than the Rocky Ford because it is more delicious and it is a Christmas melon. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40; postpaid.



Burrell's Gem

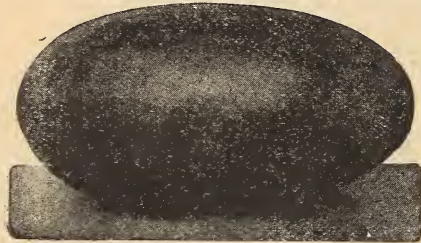
TO KILL MUSKMELON AND CUCUMBER BUGS USE VAPORKIL, PAGE 65.



# WATERMELONS

Ready from 90 to 140 days from seed. One ounce to 30 hills; 4 pounds per acre.

To get good strong vines early in the season, make large, well-drained hills of earth, made very rich, about eight feet apart. In these plant the seed as soon as the ground is warm and dry and carefully protect the young plants from insects, and hasten their growth by the use of liquid manure.



Florida Favorite

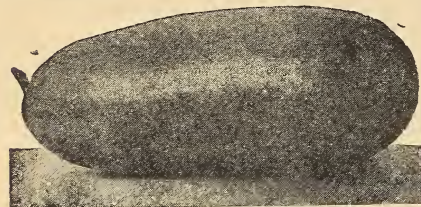
melon, just the right kind for home use and nearby markets. It is a large smooth, beautifully shaped melon, of dark green color, irregularly striped with lighter green, very early, and prolific. Flesh red, very crisp, tender and juicy. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**GYPSY or GEORGIA RATTLESNAKE**—ls.—One of the largest, oldest and most popular sorts, especially in the South. Fruit very long, of light green color, distinctly striped and blotched with a darker shade. Flesh bright scarlet. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**HALBERT'S HONEY**—ls.—A splendid sort for home use or local market. Vine vigorous and productive; fruit large and oblong; color dark glossy green. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**HARRIS' EARLIEST**—An extra early melon of excellent quality. The fruits are exceptionally large for so early a variety, slightly oval with irregularly mottled broad stripes of light and dark green. The flesh is bright red, sweet and tender. Seed black. The vines are vigorous and productive. One of the best varieties for northern latitudes. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**ICE CREAM (Peerless)**—ls.—Medium in size, almost round; the skin is pale green; slightly mottled; flesh bright scarlet, solid to the center. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.



Kleckley's Sweet

**MOUNTAIN SWEET**—The old standard still quite popular in the North, where the large fruited southern sorts do not ripen. Early fruit large, oval, rind dark green, flesh scarlet. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**PHINNEY'S EARLY**—Very early, quality good; hardy. Bears abundantly, medium sized, oblong with thin, smooth rind; flesh pink and tender. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**SWEETHEART**—ds.—Vine vigorous and productive, ripening its fruit early; fruit large, oval, very heavy, uniformly mottled, green and light green. Rind thin, but firm, flesh bright red, firm and solid but very melting and sweet. The melons retain their good quality for a long time. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**TOM WATSON (The Most Popular of All Melons)**—ds.—Is a long, green variety covered with a fine netting, giving it a most attractive appearance. The flesh is of most superb quality and intensely red color. The rind is thin, but hard and tough, and is unequalled as a market and shipping sort. The melons are of large size and heavy, about 24-inches long and 10 to 12 inches through. A good yielder and great money maker in all markets. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

## ABSOLUTELY DEPENDABLE

Harrison Co., Ia., Mar. 9, 1922.

Gentlemen: I formerly lived in Pierce Co., Nebr., where I always used your seeds with the best success. Last year I had very poor success with my garden owing to seeds not germinating. Therefore, I am again sending for seeds I know are absolutely dependable.

MRS. H. FULLER

**ALABAMA SWEET**—ls.—This is a large oblong melon; color, dark green with faint lighter stripes. Being of good size, though not ungainly, it is first class for shipping purposes. Its flavor is simply delicious, it is entirely stringless. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

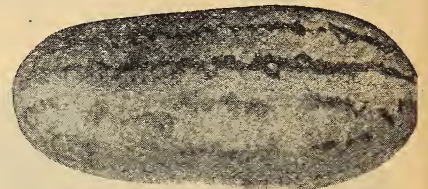
**COLORADO PRESERVING CITRON**—ds.—This is a large fruiting strain of citron for preserving. Flesh clear white and very solid. Green seed. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**COLE'S EARLY**—A very choice melon for the home garden; can be grown farther north than any other variety. The flesh is bright red, crisp and very delicate in texture. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**CUBAN QUEEN**—ds.—One of the latest varieties, skin striped dark and light green; heavy cropper, flesh bright red, luscious. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**DUKE JONES**—Early, round, striped, of fine flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**FLORIDA FAVORITE**—Is an unsurpassed extra early, good quality, medium-sized melon, just the right kind for home use and nearby markets. It is a large smooth, beautifully shaped melon, of dark green color, irregularly striped with lighter green, very early, and prolific. Flesh red, very crisp, tender and juicy. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.



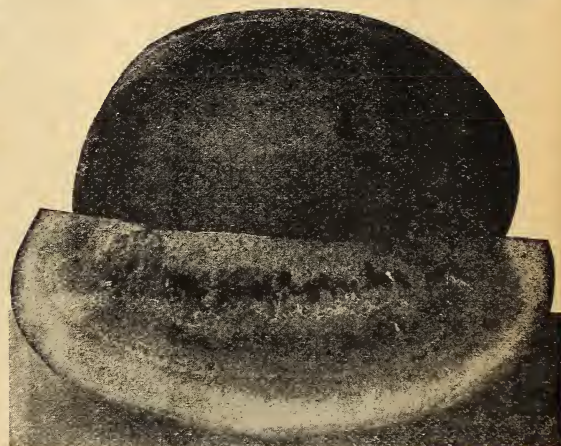
Gypsy or Rattlesnake

**KENTUCKY WONDER**—Distinct, and the melon itself proves it. In shape it is oblong, attaining a good size; skin dark green and beautifully marked. Extra fine flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**KLECKLEY'S SWEET (Monte Cristo)**—ls.—Large, oblong, melon, skin dark green. Rind about ½ inch in thickness. The scarlet flesh is sweet and sugary and of such texture that it leaves no strings of pulp in eating. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

**KOLB'S GEM**—A favorite on account of its excellent shipping qualities. It is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow stripes. Very thin rind; flesh bright red, good flavor. Our seed is choice. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

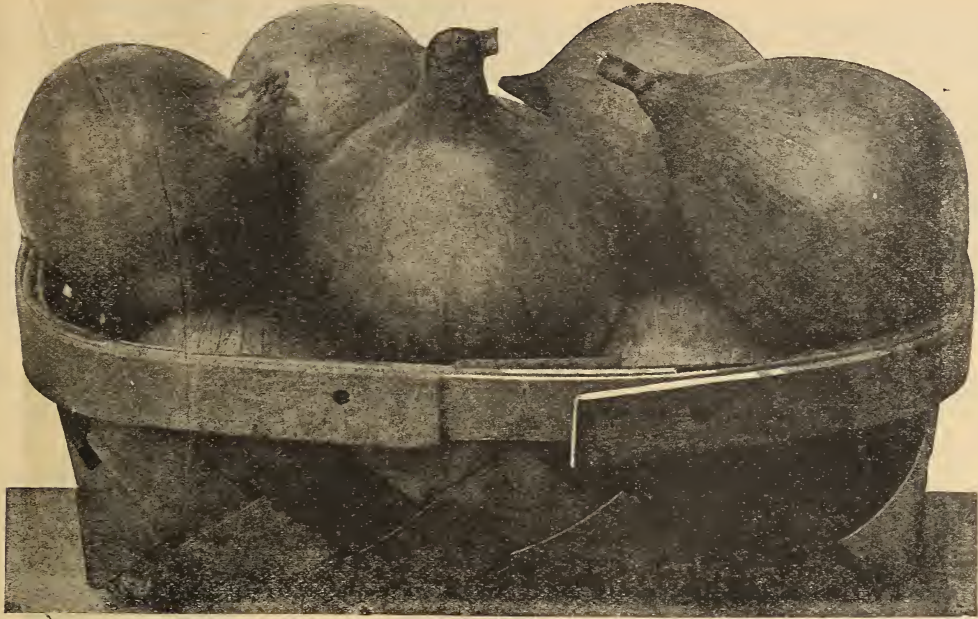
**McIVER'S WONDERFUL SUGAR**—ls.—The melons attain a great weight, are of a very handsome appearance, never crack or lose their fine flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.



Kolb's Gem

FOR MARKET GARDENERS PRICES, SEE PAGES 26 And 27





Danvers Yellow Globe

## ONIONS

One ounce to 300 feet of drill; 4 to 5 pounds to the acre. Ready for green onions in 60 days. Main crop matures in 180 to 190 days from sowing.

The onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise. As early as the ground can be worked in the spring, sow the seeds in drills 14 inches apart, covering half an inch. When plants can just be seen in the rows, commence hoeing, skimming the surface. Subsequently weed thoroughly and carefully by hand. When tops die, pull onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off  $\frac{1}{2}$  inch from the bulb.

**AUSTRALIAN BROWN**—Distinct from all others; is nearly round, wonderfully hard and solid; ripens extremely early; never makes scallions; of medium size, skin a deep amber brown, flesh mild and agreeable. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; postpaid.

**EXTRA EARLY RED FLAT**—Matures very early, yields abundantly, and is of mild flavor; medium size; deep red and solid. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.

**GLOBE WETHERSFIELD, RED**—Remarkable for size, earliness, productiveness, beauty of color, perfection of shape, long keeping qualities. Possesses all the excellent qualities of Red Wethersfield and Yellow Globe Danvers. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.

**LARGE RED WETHERSFIELD**—This is the standard and favorite variety. Large size, deep purplish red, flesh purplish white, stronger flavored than extra large varieties. Very productive and an excellent keeper. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.

**YELLOW GLOBE DANVERS**—A fine productive variety of medium size, skin coppery yellow, flesh white, comparatively mild and well flavored. Best of keepers. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.

**MAMMOTH SILVER KING**—Average 15 to 22 inches in circumference and weigh 2  $\frac{1}{2}$  pounds each. Matures early and is uniformly large and of good shape, is flat but thick. Skin is clear silver white, flesh snowy white. Price: Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; postpaid.

**MAMMOTH PRIZE TAKER**—One of the largest, handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of clear, bright straw color, and uniform, perfect globe shape. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.

**RED BERMUDA**—Bulbs of this variety are similar in form and early ripening to the Bermuda. White but grow larger in size, ranging from three to four inches larger in diameter; very flat and of a light pink color. The flesh is white, slightly suffused with pink. Price: Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; postpaid.

**SOUTHPORT LARGE RED GLOBE**—The handsomest and most richly colored of all red onions. Are remarkably uniform in size. The extra dark rich coloring makes a most attractive appearance when prepared for market. The plants are thin-necked, ripening down to a hard solid ball—insuring the largest per cent of market onions and the best keeping qualities. Flesh fine grained, mild, tender. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.

**SOUTHPORT WHITE GLOBE**—Of all our American varieties of market onions, this generally commands the highest price. Of true globe form, the onions are two or two and a half inches in diameter, with a thin, delicate skin of purest paper whiteness. The flesh is crisp, fine grained, snowy white in color and very mild flavor. Price: Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; postpaid.

**SOUTHPORT YELLOW GLOBE**—Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.



Red Wethersfield

Don't overlook the many bargains in this book



## ONIONS—CONTINUED

**WHITE QUEEN**—This is the best of all for small pickles and the earliest ripening onion in cultivation. The bulbs of a pure paper-white are generally very small. Price: Pkt., 5c; oz., 25c; ¼ lb., 70c; postpaid.

**WHITE BERMUDA**—The bulbs are quite broad and flat in form. The color is not a clear white, as in our American varieties, but rather a pale straw; flesh crisp, solid and mild in flavor and early ripening. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

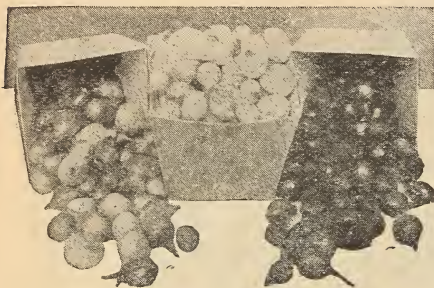
**WHITE PORTUGAL** or **SILVER SKIN**—Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper; handsome appearance. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

## ONION SETS

PRICES POSTPAID

Red Bottoms .....	15c pt.	25c qt.
Yellow Bottoms .....	15c pt.	25c qt.
White Bottoms .....	15c pt.	30c qt.

SEE PAGE 27 FOR PRICES ON ONION SETS IN LARGER QUANTITIES



Onion Sets, Red, White and Yellow

## BOOKS WORTH WHILE

**POULTRY MANUAL**, by Sewell—Breeds of fowls including turkeys, ducks and geese; practical methods of raising poultry and eggs for market and home use. Price: 50c, postpaid.

**COUNTRY KITCHEN COOK BOOK**—A book that should be in every farm home. Nine hundred tried and tested recipes of good, wholesome dishes and many suggestions of great value to the farm kitchen. Price: 50c, postpaid.

**AMATEUR FRUIT GROWING**—Covers the entire subject of growth, cultivation and marketing of small fruits such as Strawberries, Raspberries, Blackberries, Currants, Gooseberries, Grapes, Cranberries, Juneberries, Sand Cherry, Buffalo Berry and Mulberry in addition to the cultivation, pruning of the larger fruits such as the Apple, Plum and Cherry. Price: 50c, postpaid.

**VEGETABLE GARDENING**—Each garden crop is discussed fully from seed to marketing. There are also valuable treatments of Gardening in general, the Home Garden, Fertilizers, Tillage, Seeds, Transplanting, Development of Varieties, Glass Structures, Insects and Insecticides, Marketing, Exhibiting, etc. Price: 75c, postpaid.

**500 SWINE QUESTIONS ANSWERED**—The information and answers are wholly dependable and come from the practical experience of the largest Swine Breeders and Feeders in the West and the most authoritative veterinarians. Price: 50c; postpaid.

All of these books are interesting, prepared by recognized authorities and will be found very profitable.

## Okra or Gumbo

One ounce to 40 feet of drill. Ready for table in from 90 to 105 days.

The pods when young are used in soups, stews, etc. The plants are of the easiest culture. Sow at the usual time for all tender vegetables in drills two inches deep, setting the plants two feet apart



Parsley, Moss Curled

**IMPROVED DWARF**—An early variety, pods comparatively short but very numerous. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**WHITE VELVET**—Pods round, smooth, large and attractive; produced in great abundance. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.



Okra

## Parsley

One ounce to 150 feet of drill

Soak the seeds a few hours in lukewarm water and sow early in the spring in drills one foot apart. Thin out to four inches. A few seeds sown in onion rows use no space. To preserve in winter transplant to a light cellar or glass frames.

Parsley is esteemed for flavoring and for the beautiful appearance of the fresh green leaves as a garnish.

**CHAMPION MOSS CURLED**—The plant resembles a tuft of finely curled moss, leaves extra large, and a rich deep green. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**TURNIP-ROOTED** or **HAMBURG**—The root is the edible portion of this variety, and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to Celeriac. Very hardy and should be cultivated like parsnip. Extensively grown and used for flavoring soups, etc. Foliage same as plain parsley. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

## Garden Peas

Two pounds to 100 feet of drill; 150 pounds per acre.

**CULTURE**—You will have the best results with early peas on light, warm soil, but the main crop will do better on a fairly heavy soil that will retain moisture. Avoid too much nitrogen fertilizer such as fresh manure, as that causes heavy vine growth at expense of pods. A plot prepared the fall before is best. Sow early kinds, as soon as possible in rows 2 to 3 inches deep and 2½ to 3½ feet apart, and for succession every 2 weeks until June 15th. The very earliest varieties, planted in August, will often give a good fall crop.

The taller varieties will do better if supported by bush or wire. Some plant in double rows (6 inches apart) and support the two together. The smooth sorts are hardiest, but wrinkled varieties are of better quality. Planting distances and depth depend on variety and type of soil.

Those marked \* are wrinkled and sweet.

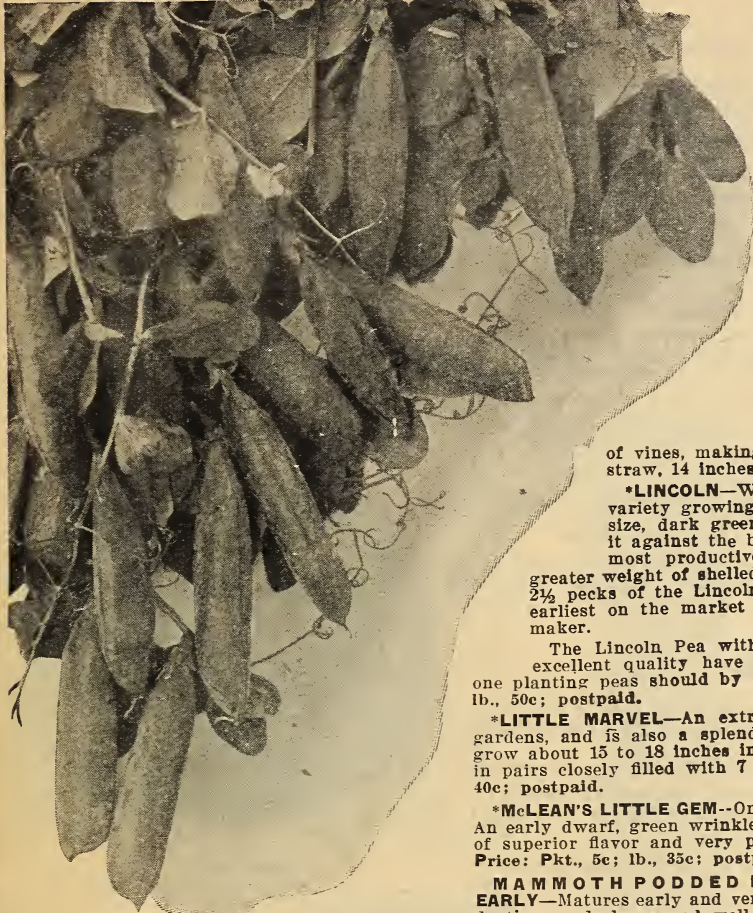
## EXTRA EARLY VARIETIES

**ALASKA**—Two feet. The earliest blue pea of good flavor, dark green pods, well filled and ripen uniformly. One of the very best for market gardeners. Price: Pkt., 5c; lb., 35c; postpaid.

**\*AMERICAN WONDER**—One foot. Of the finest quality. Very prolific, with pods of fine size and form, requires no brush or support. It may be planted a week apart for succession. Price: Pkt., 5c; lb., 35c; postpaid.



**PEAS—Continued**



McLean's Little Gem

gardeners' first early pea. Height, 3 feet. Price: Pkt., 5c; lb., 40c; postpaid.  
 \***NOTT'S EXCELSIOR**—One foot. Earliest wrinkled pea; of close, compact, dwarf growth. The pods average 3 inches in length and are well filled to the squared ends with large peas, unusually sweet. It not only yields heavily in pods, but also in shelled peas. Price: Pkt., 5c; lb., 35c; postpaid.

**SECOND EARLY**

\***EVERBEARING**—Two feet. Peas are very large, of excellent quality. For continuance and profusion of bearing this variety is unexcelled. Price: Pkt., 5c; lb., 35c; postpaid.

\***TOM THUMB**—This is the most dwarf pea. The vines grow about 12 inches high and are well filled with pods which are 2½ inches long and filled with 5 or 6 medium-sized peas. Price: Pkt., 5c; lb., 35c; postpaid.

**LATE OR MAIN CROP VARIETIES**

\***CHAMPION OF ENGLAND**—Four feet. Vines are very robust. Bears many pods, straight and well filled with tender peas. A profuse bearer, most reliable late sort. Price: Pkt., 5c; lb., 35c; postpaid.

\***MELTING SUGAR**—This is the best of the edible peas. The pods grow about 5 to 6 inches long, are stringless and very tender, and may be used the same as a snap bean; 3 to 4 feet. Price: Pkt., 5c; lb., 40c; postpaid.

\***TELEPHONE**—Four feet. Immensely productive. Pods are very large, peas of excellent quality. Has become one of the most prominent late peas to be grown for market. Price: Pkt., 5c; lb., 35c; postpaid.

\***WHITE MARROWFAT**—Four feet. Vines are very robust. Bears many pods, always well filled. Price: Pkt., 5c; lb., 25c; postpaid.

of vines, making it an easy pea to pick, heavy yielder. Height of straw, 14 inches. Price: Pkt., 5c; lb., 35c; postpaid.

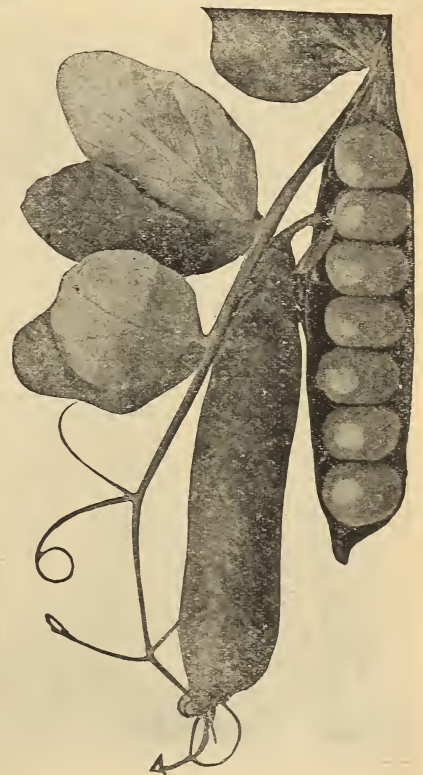
\***LINCOLN**—Without doubt the best pea in existence, an early variety growing from 1 to 1½ feet in height; the pods are of good size, dark green in color and always well filled. We have tested it against the best varieties of Dwarf Peas, and it has proven the most productive of all, the pods being heavy and producing a greater weight of shelled peas to the peck. A local market gardener planted 2½ pecks of the Lincoln Pea seed and produced 59 bu. of peas, being the earliest on the market they brought the highest price; it's a big money maker.

The Lincoln Pea with its abundance of heavy, well-filled pods of such excellent quality have made it a leading market growers variety. Any one planting peas should by all means plant The Lincoln Pea. Price: Pkt., 10c; lb., 50c; postpaid.

\***LITTLE MARVEL**—An extremely valuable variety, especially suited to small gardens, and is also a splendid variety for early market gardening. The vines grow about 15 to 18 inches in height. Pods are dark green, fair sized, produced in pairs closely filled with 7 to 8 peas of extra fine flavor. Price: Pkt., 5c; lb., 40c; postpaid.

\***McLEAN'S LITTLE GEM**—One foot. An early dwarf, green wrinkled pea, of superior flavor and very prolific. Price: Pkt., 5c; lb., 35c; postpaid.

**MAMMOTH PODDED EXTRA EARLY**—Matures early and very productive; pods large and well filled; seed large, smooth, white. Bound to take first place as a leading market



The Lincoln Pea

**CAN'T BE BEAT**

Shawnee Co., Kans., Dec. 31, 1921.

Gentlemen: We have been using your seeds now for five years and they can't be beat.

GEORGE WILLIAMS.





Large Cheese

**LARGE CHEESE**—This is a very popular pumpkin for pies and is quite commonly known as "Sweet Pumpkin." In size they average about as large as the Connecticut Field, but are flat shaped, with creamy buff skin and thick golden flesh; tender, large, hardy and productive. Excellent for table use. Good keeper. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

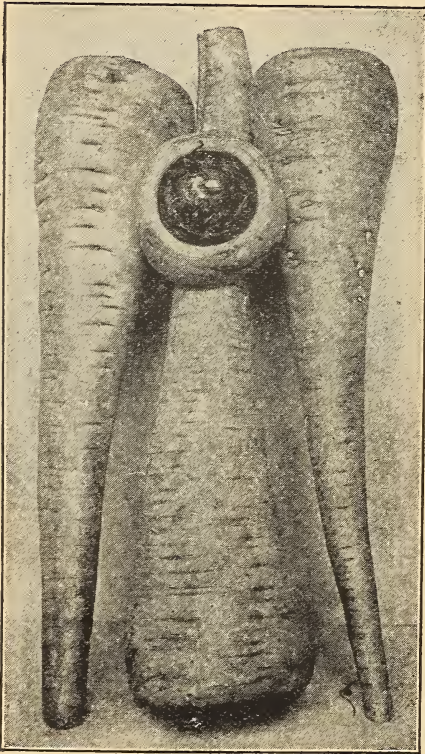
**SMALL SUGAR**—Fruits of small size, averaging about ten inches in diameter, of excellent keeping qualities, flattened, slightly ribbed. Skin deep orange-yellow; flesh sweet. Very early. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**SWEET POTATO**—Pear shaped, good size, skin creamy white. The seed is all in the cavity of the large end, the thick neck being solid; exceptionally fine quality. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

## Peanuts

Culture very simple. Plant in light, sandy soil in April, in pods or shelled, two in a hill on level ground. Hill up from time to time as required. Price: Pkt., 5c lb., 40c; postpaid.

Don't overlook the money-saving collections in this catalog



Hollow Crown

## Pumpkins

One ounce to 50 hills; 3 to 4 pounds per acre. From 100 to 120 days from sowing to maturity.

Pumpkins are planted frequently in connection with a crop of corn, or as a second crop after early peas, etc. The following varieties are all thin and tender skinned, distinct from the hard or thick shelled squashes.

**CONNECTICUT FIELD**—An immensely productive, large, orange-colored, field pumpkin, usually grown for stock feeding, but it also makes good pies. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**CUSHAW or CROOKNECK**—(Sometimes called a squash.) Productive; color light cream, sometimes lightly striped; flesh salmon colored; mealy and sweet. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**JAPANESE PIE**—Early and productive, of medium size, large at one end, terminating in a crooked neck. Skin deep green with darker stripes; flesh is a rich salmon color; excellent quality; a good keeper. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; postpaid.

**KING OF THE MAMMOTH (Jumbo or Potiron)**—Weighs from 40 to 150 pounds. Round, flattened at both ends, skin and flesh bright yellow. It makes a good table pumpkin. Good keeper. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.



Small Sugar

## Parsnips

One ounce to 100 feet of drill; 5 to 6 pounds per acre. Matures in 125 to 140 days from seed.

Sow in April or early May. Cultivate the same as carrots. They may be dug in the autumn and stored for winter use, but if left in the ground till spring are very much improved in flavor.

**HOLLOW CROWN**—Standard variety, roots long, very smooth; white, sugary, tender and of excellent flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

**IMPROVED GUERNSEY (Improved Half Long)**—The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. Very smooth, the flesh fine grained and of excellent quality. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; postpaid.

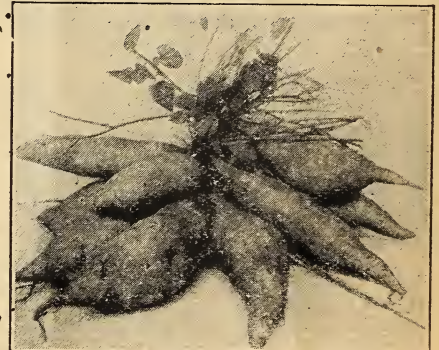
## SWEET POTATOES

One bushel of potatoes should produce 2,000 sprouts, 6,000 to 7,000 plants to acre.

**YELLOW JERSEY, YELLOW NANSEMOND, SOUTHERN QUEEN, RED JERSEY, RED BERMUDA**—These are the most desirable varieties. Ready about April 1st. Write for prices.

**SWEET POTATO PLANTS**—Ready about May 1st. For prices, see page 5.

**LIKES SWEET POTATOES**  
Antelope Co., Nebr., Jan. 23, '22  
Dear Sirs: Enclosed find order for Yellow Nanesmond Sweet Potatoes. I have been getting them from you for the last three years and you sure have treated me fine, so this year I am sending for more. Will send for my garden seed later on. Your seeds are sure good. MRS. JOHN HECK.



Yellow Jersey



# Peppers

One ounce to 2,000 plants. Requires from 125 to 160 days from sowing to maturity

The small peppers are the hottest, the large varieties being quite mild in flavor. Sow in hothed early in April and transplant to the open ground when weather is favorable. May also be sown in the open ground when danger of frost is past and soil is warm.

**CHINESE GIANT**—This desirable variety of recent introduction, is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. Price: Pkt., 5c; oz., 45c; ¼ lb., \$1.50; postpaid.

**LARGE BELL or BULL NOSE**—Large and early square shouldered, flesh thick, and less pungent than most other sorts; much used for mangoes. Price: Pkt., 5c; oz., 45c; ¼ lb., \$1.50; postpaid.

**LONG RED CAYENNE**—If you want a genuine hot pepper, the kind to use is the long red Cayenne. This is the real red-hot kind. Grows 3 to 4 inches. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**NEAPOLITAN**—Large, early, decidedly the earliest of all large mild red peppers, and the most productive of all large peppers. From seed started February 15th and plants set out May 20th, the first peppers were picked for market on June 24th. The fruits measure four inches long and four and a half inches in circumference. The strong vigorous plants grow two feet high by eighteen inches across; they are completely laden with large handsome fruits and bear continuously until frost. Single plants carry from thirty-five to fifty marketable fruits at one time. The peppers grow upright until they become so heavy that their own weight turns them down. The skin and flesh are bright-red, sweet, and "mild as an apple"; they carry well and keep in prime condition a long time. Price: Pkt., 5c; oz., 45c; ¼ lb., \$1.50; postpaid.

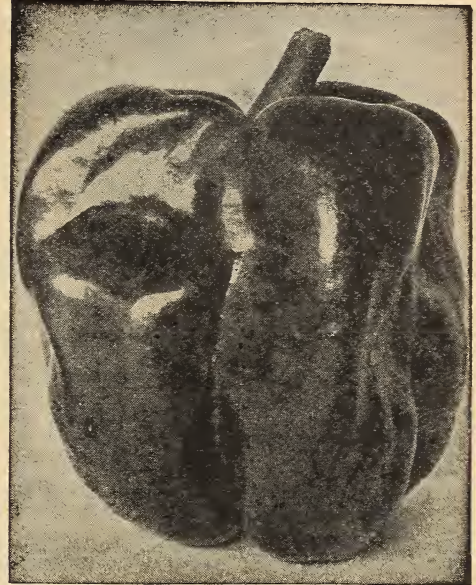
**PIMENTO**—This is a new and distinct pepper. Perfectly sweet, having no trace of pungency. Plants are loaded with fine, perfectly smooth fruits, medium size and thick meated. Price: Pkt., 5c; oz., 45c; ¼ lb., \$1.50; postpaid.

**RED CHILI**—Fruit is small, bright red, very hot and pungent. Plants are very productive. Generally used for making pepper sauce. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.15; postpaid.

**RUBY KING**—The most popular large red pepper. Plants grow 2 feet high and bear a fine crop of handsome, extra large, scarlet fruits. Flesh is thick, sweet and mild. Fine for mangoes. Price: Pkt., 5c; oz., 45c; ¼ lb., \$1.50; postpaid.

**SWEET MOUNTAIN**—Similar to Bull Nose, though usually larger in size and longer; of very mild flavor. Much used for mangoes. Price: Pkt., 5c; oz., 45c; ¼ lb., \$1.50; postpaid.

ALL KINDS OF VEGETABLE PLANTS ARE LISTED ON PAGE 5.



Chinese Giant

# Spinach

One ounce to 100 feet of drill; 12 lbs., to the acre.

Cultivated very extensively for "greens". A profitable crop for market. Select a rich, well-drained soil, highly manured. For a succession, sow early in April and again in May in drills, 1 foot apart and 1 inch deep, properly thinning out when the plants are an inch in the leaf. For early spring use, sow early in autumn and protect the plants with a light covering of leaves.

**BLOOMSDALE (Savoy)**—The earliest of all and one of the best; the leaves are numerous curled and wrinkled. Price: Pkt., 5c; ¼ lb., 15c; lb., 45c; postpaid.

**LONG STANDING (Thick Leaved)**—A fine market sort. Leaves large and thick, somewhat crumpled. Does not run to seed early. Price: Pkt., 5c; ¼ lb., 15c; lb., 45c; postpaid.

**NEW ZEALAND**—It thrives during hot weather and in any soil, rich or poor. The tender, golden leaves are comparatively small, broad and pointed. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

# Rhubarb

One ounce to 500 plants

Rhubarb is an excellent spring food, possessing medicinal properties. It is the first vegetable of the season from the garden, and no planter should be without it.

**VICTORIA**—Stalks very tall and large; skin thick and red stained; pulp quite acid; very productive. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**LINNAEUS**—A large, tender sort, sometimes called wine plant. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

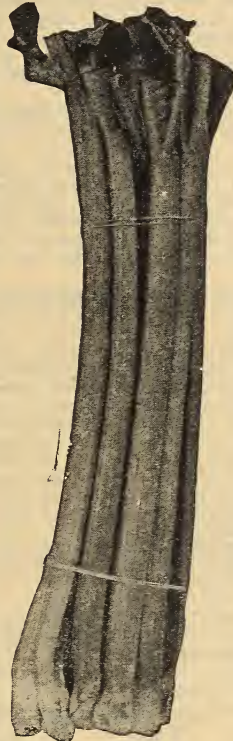
**RHUBARB ROOTS**—Set in spring and they will be ready for use the following season. Price: 10c each, 75c per doz; postpaid. By express, 50c per dozen.

# Salsify or Vegetable Oyster

One ounce to 75 feet of drill

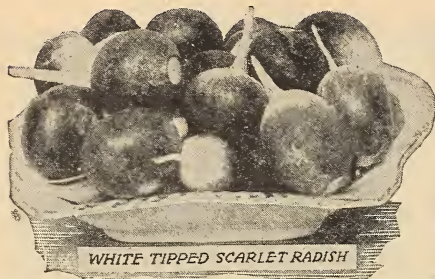
Resembles a small parsnip, and when thinly sliced and cooked is a good substitute for oysters, having a very similar flavor. It succeeds best in light, rich soil. Sow early and quite deep. The leaves when they first appear look like grass, making it important to plant in rows.

**MAMMOTH SANDWICH ISLAND**—Grows uniformly to an extra large size. The root is pure white and of superb quality. Invaluable to market gardeners. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.



Spinach, Long Standing





WHITE TIPPED SCARLET RADISH

**EARLY SCARLET TURNIP, WHITE TIP**—A radish is bright scarlet, with white tip and  $\frac{1}{4}$  lb., 25c; postpaid.

**EARLY SCARLET GLOBE**—A very handsome radish, of rich, bright scarlet color, and oval shape, with very small tops; the flesh is delightfully crisp, juicy and tender. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**EARLY LONG SCARLET, SHORT TOP**—The long, slender, handsomely colored roots are most attractive in appearance, crisp brittle and of the choicest quality. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**EARLY SCARLET TURNIP**—A round, red, turnip-shaped radish, with a small top and of quick growth. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**FRENCH BREAKFAST**—A great favorite. Beautiful, bright, scarlet, with pure white tip. Oblong in shape, medium size, makes rapid growth. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**\*GIANT CRIMSON GLOBE**—A new variety suitable for forcing or early planting out of doors. Will grow to 6 and 7 inches in circumference. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**\*NON PLUS ULTRA FORCING**—This variety has as small a top as is as early as any in cultivation, making it one of the best for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other early variety. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; postpaid.

**LONG WHITE VIENNA or LADY FINGER**—Pure white, long tapering shape, attractive, sweet, mild, delicious. Matures in 25 days. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

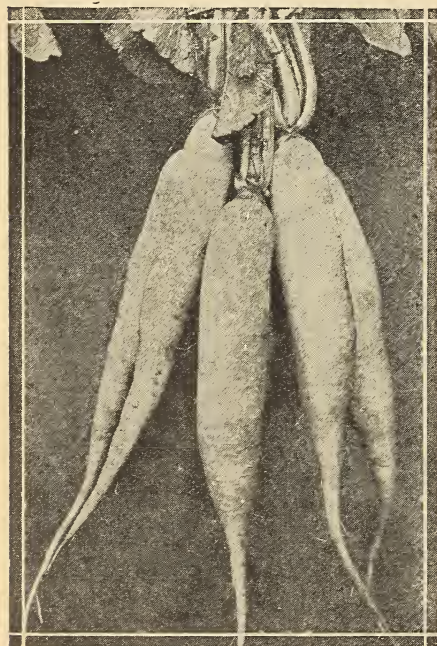
**NEW SPARKLER**—A distinct new 18 to 21-day radish; has a beautiful scarlet top; with tip of purest white. Is solid, crisp and sweet, remaining so for a long time. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; postpaid.

**ROSY GEM**—We have a very clean, beautiful strain of this popular sort. It is extremely early, maturing in 25 days. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**STUTTART**—Early giant white large top-shaped, often 4 inches across, flesh and skin white. Remains crisp and solid even after it has attained its full size. Can be stored for winter use. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**SAKURAJIMA**—A Japanese radish of immense size; some single specimens of this variety weigh 15 lbs. Oval with cream colored skin, white flesh. Cooked like turnips. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; postpaid.

**\*SAXA RADISH**—At last we have found a good forcing radish, which is also very fine for outdoor culture. In repeated trials the Saxa has been found to reach a remarkable size three days earlier than any other forcing variety. The radish at maturity is about  $\frac{1}{4}$  the size of Early Crimson Globe. The roots are round or ball shaped; color deep fiery scarlet with no tinge of purple. Price: Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; postpaid.



White Icicle

## RADISHES

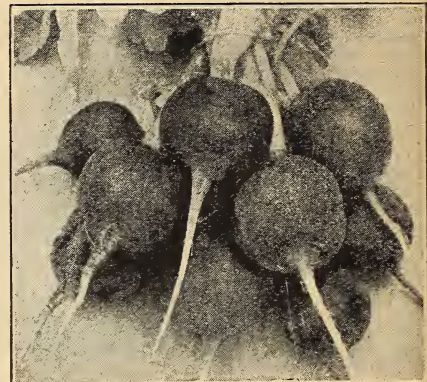
One oz. to 100 feet of drill; ready in 18 to 45 days from seed, according to variety.

Radishes must make a rapid growth to be crisp and tender. For early use sow in the hotbed, half an inch deep. For an early crop in the open ground, sow thinly in drills on rich, sandy soil as early in the spring as it is fit to work. For a succession sow every two weeks. Varieties marked \* good for forcing.

**CHARTIER**—One of the best varieties for growing out doors. The radishes are in good condition for the table, very early and remain hard and crisp until they reach a diameter of about  $1\frac{1}{4}$  inches, thus affording good roots for a long time. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**EARLY BIRD**—Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**EARLY BIRD**—Decidedly the earliest of radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from the time of sowing. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.



Crimson Globe

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

**WHITE STRASSBURG**—Of somewhat larger size and thicker than Vienna. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

**WHITE ICICLE**—Finest of early, pure white varieties. Ready for pulling in about three weeks. Long and slender, clear pure white. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.

7 Best  
Radishes

### COLLECTION NO. 3

25 Cents  
Postpaid

This collection includes 1 packet each of the following best varieties: Early Bird, Early Scarlet Turnip White Tip, Icicle, French Breakfast, Early Long Scarlet, Crimson Globe and Chinese Rose Winter, all for 25c; postpaid.

### WINTER SORTS

Sow in July. Pull before severe frost and store in damp cellar.

**CHINESE ROSE (Scarlet China)**—Large oval, bright rose-colored, good keeper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**CALIFORNIA MAMMOTH WHITE**—Very large, growing 12 inches long. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**ROUND BLACK SPANISH**—Fine globe shape, 3 or 4 inches in diameter, skin black, flesh white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**LONG BLACK SPANISH**—Black skin; white flesh, long, will keep until spring. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; postpaid.



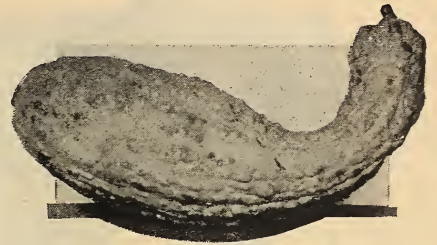
Saxa Radish

For Quantity Prices,  
See Pages 26 and 27



# SQUASH

## SUMMER AND EARLY SORTS

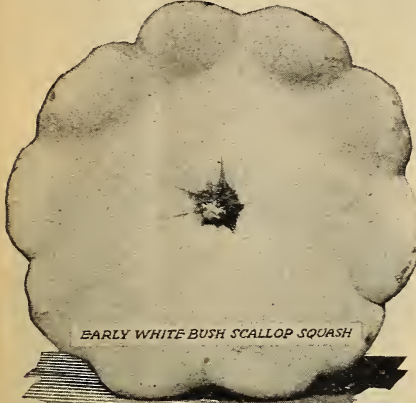


Summer Crookneck

One ounce to 20 hills; 4 to 5 lbs. to the acre. Hills 4 feet apart each way. Ready for use in from 55 to 65 days from planting

Any good, enriched soil is adapted to the growth of the Squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm and thoroughly settled. Keep the earth about the plants loose and clean. Three plants to the hill. For remedy against bugs, see Insecticides, page 65.

**DELICATA SQUASH**—A perfect all-season Squash, summer and winter crop on one plant. Produces fifteen to twenty fruits to a vine. Delicious chestnut flavor. Delicata produces an enormous number of fruits of such convenient size that the entire squash can be used at one time. It is ready almost as soon as the early summer sorts, is better flavored, and remains in perfect condition as long as any keeping variety. Its flavor when cooked has been compared to the sweet potato, others liken it to roasted chestnuts, but all agree that it is delicious. The fruits are about 9 inches long, and when ripe are deep yellow, irregularly striped and mottled with a dark olive-green. The flesh is thick, fine texture and pale yellow in color. It is unexcelled for baking—the shape and size make it perfect for this purpose and none better for pies. When boiled it is dry, granular and mealy. Price: Pkt., 5c; oz., 20c; ¼ lb., 50c; postpaid.



EARLY WHITE BUSH SCALLOP SQUASH

**FORDHOOK**—Small, oblong, shell yellow, flesh dry and sweet, and of good flavor. Very early; desirable for either summer or winter use. Price: Pkt., 5c; oz., 15c; ¼ lb., 45c; postpaid.

**GOLDEN BUSH SCALLOP**—A very early flat, scalloped variety; skin deep yellow; flesh pale yellow and well flavored. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**SUMMER CROOKNECK**—Very early and productive. Fruit about one foot long, with crooked neck and warty surface; color bright yellow. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**WHITE BUSH SCALLOPED (Patty Pan)**—Very early; skin white; flesh tender and delicious, bears abundantly. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

## FALL AND WINTER SORTS

From planting to maturity, 100 to 125 days.

One ounce to 20 hills; 3 to 5 lbs. to the acre. Hills 8 feet apart each way.

Gather before injured by the frost for winter use, care being taken not to break the stem from the squash, as the slightest injury will increase the liability to decay.

**ORANGE MARROW**—The earliest by 10 days of the winter squashes. It is creamy orange in color; fine form, handsome appearance. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**BOSTON MARROW (Autumnal)**—Large, oval form; skin bright orange, mottled with cream color; flesh rich salmon yellow, fine grained and good flavor, unexcelled for pies. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

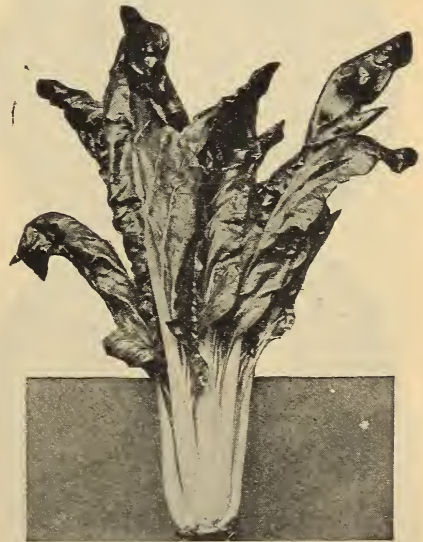
**MAMMOTH CHILI**—Enormous size, round, flattened at ends, skin orange color and slightly ribbed. Flesh thick and deep yellow. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**SIBLEY (Pike's Peak)**—Pear-shaped with stem on large end, skin smooth, pale green; flesh thick, orange color; very dry, rich and delicate flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**CHICAGO WARTED HUBBARD**—Large size, dark green color, distinguished by a dense covering of knots (warts), a sure indication of splendid quality, thick flesh; good keeper. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

**GOLDEN HUBBARD**—Similar to the above, except that the skin is deep orange yellow. Flesh fine grained and of exceptional flavor. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.

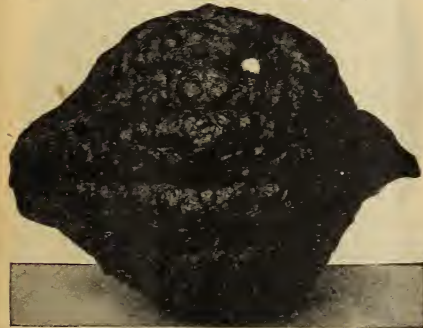
**PERFECT GEM**—Nearly round; skin creamy white, flesh fine grained. Vine bears great numbers of small squashes. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.



Swiss Chard

## Swiss Chard or Sea Kale

Far superior to the common beet for greens, of almost the same flavor and equal to spinach. Sow early in spring in rows; thin seedlings out to 6 inches in the rows; it makes rapid growth of leaves and is fit for use for greens sooner than any other variety, and can be cut throughout the entire summer. Later the leaves grow very large with broad, flat, wax-like stems and mid ribs, which may be cooked, like asparagus, or made into pickles. Price: Pkt., 5c; oz., 15c; ¼ lb., 40c; postpaid.



Chicago Warted Hubbard

### SEVENTEEN YEARS A SUCCESS

Latah Co., Ida., Feb. 15, 1922.

Dear Sirs: Am sending here-with our annual seed order. We have ordered garden and flower seeds from you for the last seventeen years, and have always had good success with Griswold seeds—they grow, and are always true to name.

MRS. GEO. O. MILLER.

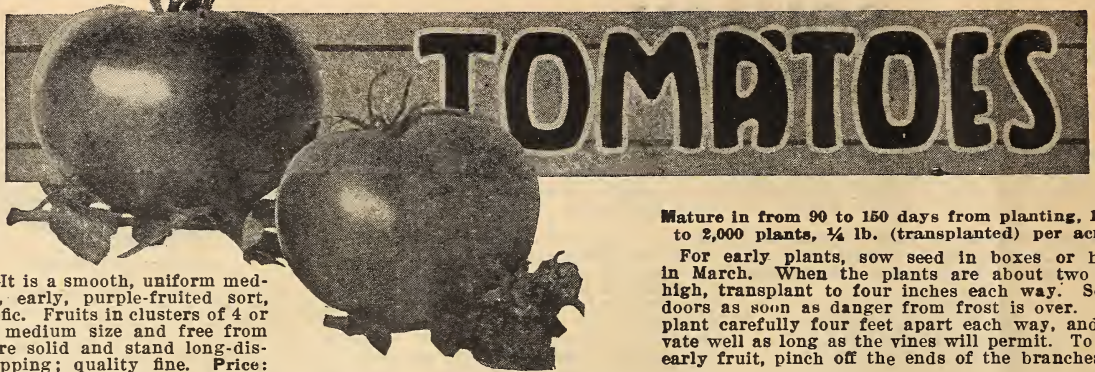
### GREAT GARDEN

Republic Co., Kans., Feb. 18, 1922.

Gentlemen: My garden is always great from the Griswold seeds. I thank you.

MRS. B. VEACH.





**ACME**—It is a smooth, uniform medium-sized, early, purple-fruited sort, very prolific. Fruits in clusters of 4 or 5, are of medium size and free from cracks; are solid and stand long-distance shipping; quality fine. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**BALTIMORE BAER**—Tomato is a cross between two of our best tomatoes, John Baer and Greater Baltimore. Baltimore Baer Tomato is a beautiful brilliant red; it is of perfect shape and free from core. The fruit is firm, solid and heavy, crowded full of delicious meat, the flavor is distinct, mild, refreshing and delicious entirely free from any stinging or biting acidity. It ripens perfectly right up to the stem and is smooth at both ends, is free from wilt and blight. Baltimore Baer Tomato ripens a little later than John Baer Tomato, but earlier than Greater Baltimore; is a marvelous yielder producing heavy crops of the fine fruit when other varieties are complete failures. Price: Pkt., 25c; ½ oz., \$2.50; oz., \$4.50; ¼ lb., \$14.50; postpaid.

**BEAUTY**—The standard large fruited, medium early, pink variety. A hardy, strong, productive grower, producing large, always smooth fruits of perfect shape, excellent quality and purplish-pink color. Flesh is very firm; has a tough skin and but few seeds. Seldom rots or cracks after a rain. A good shipper. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

**CHALK'S EARLY JEWEL**—The largest, smoothest and finest flavored second early scarlet tomato incultivation. The plants are of compact growth with dark green leaves and fairly loaded with fruit throughout the entire season. The large, handsome, bright scarlet fruits are very solid and deep through, being almost round, and ripen right up to the stem without any cracks or green core and have comparatively few seeds. The flesh is thick and sweet; skin thin, but strong, making it a good shipper. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**CRIMSON CUSHION (Beefsteak Tomato)**—Large size, nearly round and of very good quality. The color is bright scarlet and flesh very thick and meaty. Specimens of this tomato have weighed as heavy as one pound. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**DWARF PONDEROSA**—An improvement over the old Giant Ponderosa. As its name implies, it is not quite so large, but otherwise the fruit is very similar. The vines grow in bush, or tree form, similar to the Dwarf Champion. It has proven a great success wherever grown. Price: Pkt., 10c; oz., 40c; ¼ lb., \$1.35; postpaid.

**DWARF STONE (Livingston's)**—Very early and productive; in size, color and quality of fruit equals the Stone; in habit of vine resembles Dwarf Champion, but is stronger and more erect, admitting very close planting. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**EARLY DWARF CHAMPION**—A great favorite, especially in the northern states, on account of its dwarf habit and upright growth. The fruit is of medium size, of purplish pink color, very smooth and symmetrical, very solid and of fine quality. The stems are short, thick stiff and almost self-supporting. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

**EARLIANA**—It is a full week ahead of all others. Plants of strong growth and very productive. Fruits large, deep red and of superior quality. Smooth and free from cracks. Price: Pkt., 5c; oz., 25c; ¼ lb., 80c; postpaid.

**ENORMOUS**—Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through the fruit at once. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

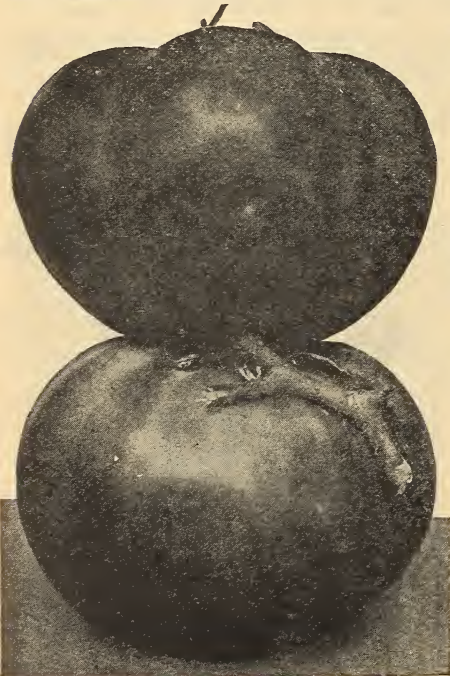
**FAVORITE (Livingston's)**—Large, smooth, blood-red sort; early; ripens all over and through at once. Will bear shipping long distances. Very few seeds and no hard, green core. Price: Pkt., 5c; oz., 20c; ¼ lb., 65c; postpaid.

**GOLDEN PONDEROSA**—It equals its parent, Ponderosa, in every respect, possessing all the qualities that have made our Ponderosa a household word throughout the land, and in addition, has a rich golden yellow color which compels instant attention. Price: Pkt., 10c; oz., 35c; ¼ lb., \$1.15; postpaid.

**MARVEL (Wilt Resistant)**—There are only a very few varieties of tomatoes that have been developed to resist the wilt, and tomatoes of this kind are sure to replace the now wilt-resistant varieties. The Marvel is an excellent variety for forcing or medium early trucking and for home gardening. It is a medium early sort, bearing a heavy crop of smooth, red fruit. Price: Pkt., 10c; oz., \$1.25; ¼ lb., \$4.00; postpaid.



Early Jewel



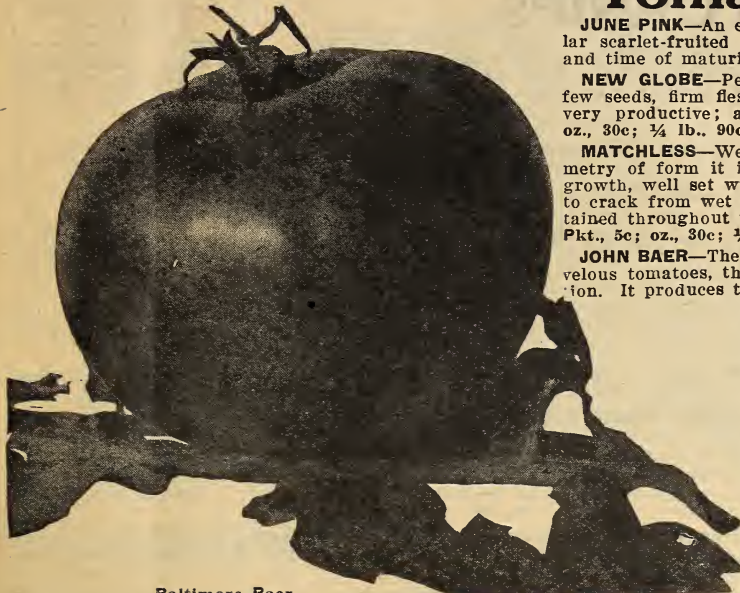
Dwarf Champion



Earliana



# Tomatoes—Continued



Baltimore Baer

**JUNE PINK**—An extra early purple-fruited tomato similar to the popular scarlet-fruited Earliana in growth of vine shape and size of fruit and time of maturing. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**NEW GLOBE**—Perfectly globe shaped, very early, large, smooth, has few seeds, firm fleshed, ripens evenly; rose-colored tinged with purple, very productive; an excellent keeper, flavor superb. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**MATCHLESS**—Well worthy of its name, for in beauty, color and symmetry of form it is indeed without a peer. Vines of strong, vigorous growth, well set with fruit, very rich cardinal red color, and not liable to crack from wet weather; of large size, and the size of fruit is maintained throughout the season. Solid, of fine quality, keeps well. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**JOHN BAER**—The best tomato on earth. It is the offspring of two marvelous tomatoes, the result of 15 generations of improvement and selection. It produces the most perfect, high crown red tomatoes in 30 days,

also an enormous crop under ordinary conditions; 50 to 100 fruits to each plant; ripens evenly right up to the stem, no cripples, no scalds, no blight, no cracked, wrinkled, one-sided, uneven, scarred fruit. When dead ripe John Baer tomato will not burst. It has a wonderful glistening, bright red color, and a mild, delicious, sweet flavor, is almost seedless, a marvelous stem setter, often 10 fruits in first cluster, solid and meaty. John Baer Tomato is the earliest, finest shaped fruit and has the best color and shipping quality of any tomato on earth. Price: Pkt., 10c; oz., 30c; ¼ lb., \$1.10; postpaid.

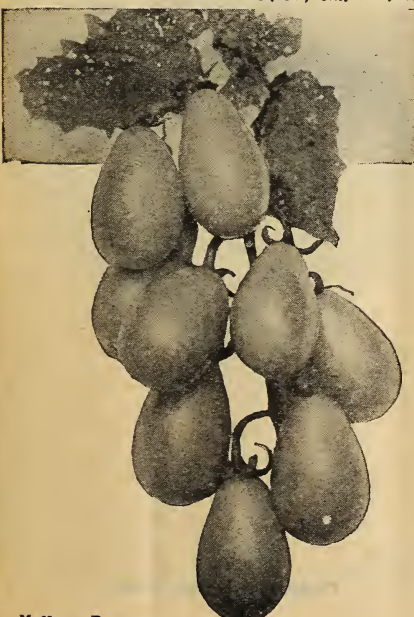
**CORELESS**—A new, large main-crop variety. In shape it is almost round, having about the same diameter each way. It has no green core, and is of a bright red color, making it valuable either for slicing or for canning. Price: Pkt., 5c; oz., 25c; ¼ lb., 80c; postpaid.

**NEW COLOSSAL**—An immense, very handsome variety, ripening medium early. This will undoubtedly supersede the popular Stone Tomato as the leading market variety. It is bright red, of truly mammoth size, often weighing two pounds and more, and round and smooth. The flesh is firm, solid and of finest quality and flavor, with very small core, making it one of the best for slicing. As it is almost free from acid it is most desirable for canning. Price: Pkt., 5c; oz., 40c; ¼ lb., \$1.35; postpaid.

**NORTON (Wilt Resistant)**. It has the same characteristics as the Marvel, being wilt resistant. This variety was selected from the Stone, producing a heavy yield of large, smooth, solid, red fruit which ripens medium early; fine market sort. Price: Pkt., 10c; oz., \$1.00; ¼ lbs., \$3.00; postpaid.

**PERFECTION**—It is a medium-sized, smooth, bright red sort of excellent quality. It ripens earlier than Stone, keeps its good size to the end of the season and is excellent for either market or home use, and an excellent shipper. Used in northern sections for canning because early. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**PONDEROSA**—This is the largest fruited tomato, and is of fine quality for slicing. Vines are of strong growth; fruits oblong in form, deep through and generally ridged or ribbed; deep purple in color. They are solidly fleshed with small seed cells; of fine flavor. Planted in good soil, fruits frequently attain weight of 1 pound or more. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.10; postpaid.



Yellow Pear

**QUARTER CENTURY**—Very early Like the Dwarf Champion, only bright red. Price: Pkt., 5c; oz., 30c; ¼ lb., 90c; postpaid.

**STONE**—This variety is very large and of bright scarlet color; very smooth, ripening evenly to the stem without a crack, exceedingly solid; is an excellent shipper; quality the very best; fine for canning; a good keeper; without hard core; not subject to rot; its vines and foliage rank and robust. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

**TROPHY**—(110 days)—One of the best. Fruit large, smooth, of very deep color and a good flavor. A well-known variety and largely planted. Price: Pkt., 5c; oz., 25c; ¼ lb., 75c; postpaid.

## SMALL TOMATOES

Used for preserves, pickles, etc.

**YELLOW PEAR**—Bright yellow, fine flavor. Pkt., 5c; oz., 35c.

**RED PEAR**—Fruit bright red. Pkt., 5c; oz., 35c.

**YELLOW PLUM**—Clear deep yellow. Pkt., 5c; oz., 35c.

**RED CHERRY**—Bright red, grows in clusters. Pkt., 5c; oz., 35c.

**YELLOW CHERRY**—Deep yellow, a favorite for preserving. Pkt., 5c; oz., 35c.

**RED PEACH**—Similar to Yellow Peach, but red in color. Pkt., 5c; oz., 35c.

**YELLOW PEACH**—Skin covered with slight bloom as in a peach. Pkt., 5c; oz., 35c.

**HUSK (Ground Cherry)**—Golden yellow. Pkt., 5c; oz., 35c.



Matchless

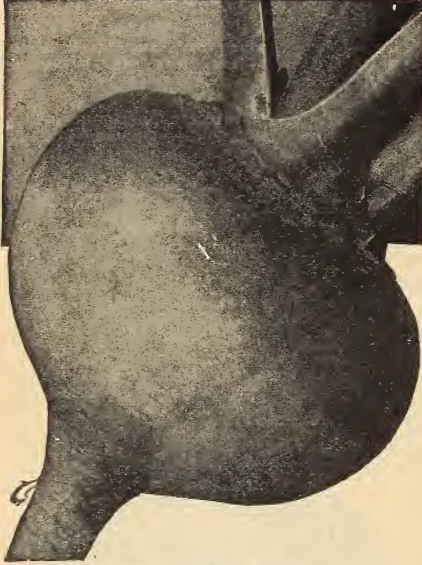


Ready from 40 to 60  
days from seed

## TURNIPS

1 oz. to 150 ft. drill  
2 lbs. to acre

The turnip is most easily affected in form and flavor by soil, climate and mode of culture. Sow in drills about 16 inches apart and half an inch deep, or sow broadcast, but in either cast be sure to have the ground rich and freshly dug. Sow for main crop from the middle of July to last of August. In the field, turnips are generally sown broadcast though much larger crops are obtained by drill culture.



Purple Top Strap Leaf

**EARLY PURPLE TOP GLOBE**—Deservedly popular, heavy yielder, of rapid growth and superior quality. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**EXTRA EARLY PURPLE TOP MILAN**—Two weeks earlier than any other. Flat, white, with purple top. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; postpaid.

**EXTRA EARLY WHITE MILAN**—The earliest of all turnips, and of excellent quality. Top is very small, upright and compact, so the rows can be planted close together. The roots are clear white, very smooth, flat and symmetrical. Price: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; postpaid.

**EARLY WHITE FLAT DUTCH STRAP LEAVED**—The most excellent garden turnip and like Purple Top Strap leaf, a standard flat variety, maturing at the same time. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**GOLDEN BALL**—A most delicate and sweet, yellow-fleshed turnip, of excellent flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; postpaid.

**POMERANIAN WHITE GLOBE**—Very productive; in good soil roots grow from 10 to 12 pounds; good for the table or stock. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**PURPLE TOP STRAP LEAF FLAT**—The old well-known sort of early spring and fall; purple above ground, flesh fine grained, of mild flavor and a good keeper. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**LARGE YELLOW (Amber Globe)**—Flesh yellow, fine grained and sweet, very hardy and productive; splendid keeper. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**SNOWBALL or WHITE SIX WEEKS**—Earliest and most perfectly formed round white turnip. Roots are very uniform in size and shape, short top and single taproot. Flesh snowy white, solid, crisp and very sweet. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**WHITE EGG**—An egg shaped variety, for spring or fall sowing; flesh white, firm grained; mild and sweet; particularly desirable for table. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

## Ruta Bagas

Should be sown about a month earlier than turnip.

This is one of the best and most valuable of root crops. They may be very easily grown and more cheaply than potatoes, and usually are worth as much per bushel on the market.

**AMERICAN PURPLE TOP**—Tops very small; bulbs large; skin purple above, yellow underneath; flesh golden yellow; fine texture, sweet and of richest flavor. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**SWEET GERMAN (Long White French)**—Bulb enormous. Flesh white, solid and rich. The best keeper of all the Rutabagas, and popular for both table and stock. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**SKIRVING'S PURPLE TOP YELLOW**—Quite productive; flesh yellow and sweet flavor, shape oblong. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

## Tobacco

1 ounce will sow about 25 square feet and produce plants for 1 acre.

**HAVANA**—Best for the manufacture of cigars. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.00; postpaid.

**CONNECTICUT SEED LEAF**—An old well-known variety. Price: Pkt., 5c; oz., 35c; ¼ lb., \$1.00; postpaid.

## BOOKS WORTH WHILE

**FEEDING AND MANAGEMENT OF LIVE STOCK**—This book contains 30 lectures or chapters, each telling of some special phase of the care and management of live stock, including a number of chapters on proper feeding under different conditions. It has much valuable information which is constantly in demand. Price, 50c.

**RULES OF ORDER**—Here is a book which tells how to organize clubs, societies, fraternities and other organizations, and contains the authentic rules of order for conducting meetings. It is brief, clear, authoritative and practical. Tells how to proceed after organizing, how to elect officers, duties of officers, how to conduct debates, how to keep records, etc. This book should be in each home. Price, 75c.

**VACANT GOVERNMENT LAND**—This valuable 112-page book gives the location by counties and a brief description of government lands in every state and explains how to get a farm free. Tells how to file, gives all homestead laws, includes new three-year law, U. S. system of land survey. How to secure agricultural lands, timber lands, grazing lands, coal lands, and gives information about irrigation, reclamation work, and Indian reservations. Gives location of land office, tells how and where to apply, also latest diagrams and tables. A complete home-seeker's guide. Price, 50c.



Purple Top White Globe



**AERO COL-  
LECTION  
NO. 6**



**GRISWOLD'S "AERO" COLLECTION**  
\$1.50 Value for \$1.00

**Big Value—High Quality—Good Results—Lasting Appreciation** and the Universal Satisfaction of this Big Collection establishes the truth about Griswold quality—and quality is the keynote to the success that has characterized Griswold's seeds for thirty-two years.

Twenty-six 5c and two 10c packages for \$1.00 will give every opportunity to convince that Griswold quality is all and more than we claim. We value our reputation as our greatest asset and for thirty-two years our sole aim has been, is, and will continue to be, to make the name **GRISWOLD**, when applied to seed, the highest quality possible to obtain.

This Collection consists of twenty-six 5c and two 10c packages—catalog value, \$1.50—and cannot be broken. Look up their description.

1 pkt. Beet, Crosby's Egyptian.....	5c	1 pkt. Onion, Yellow Danver's.....	5c
1 " Bean, Black Wax.....	5c	1 " Parsnip, Hollow Crown.....	5c
1 " Bean, Giant Stringless.....	5c	1 " Parsley, Moss Curled.....	5c
1 " Bean, Kentucky Wonder.....	5c	1 " Peas, First and Best.....	5c
1 " Cabbage, Early Flat Dutch.....	5c	1 " Peas, Nott's Excelsior.....	5c
2 " Corn, Early Minnesota.....	10c	1 " Pepper, Ruby King.....	5c
1 " Carrot, Danver's Half Long.....	5c	1 " Radish, Icicle.....	5c
1 " Cauliflower, Early Snowball.....	5c	1 " Radish, Scarlet Turnip.....	5c
1 " Celery, Golden Self Blanching.....	5c	1 " Spinach, Bloomsdale.....	5c
1 " Cucumber, Boston Pickling.....	5c	1 " Squash, Boston Marrow.....	6c
1 " Kohl Rabi, White Vienna.....	5c	1 " Tomato, John Baer.....	10c
1 " Lettuce, Early Simpson.....	5c	1 " Turnip, Purple Top Flat.....	5c
1 " Lettuce, Hanson.....	5c		
1 " Musk Melon, Honey Dew.....	10c		
1 " Water Melon, Tom Watson.....	5c	Total.....	\$1.50

ABOVE BIG TWENTY-SIX 5c AND TWO 10c PACKAGE COLLECTION FOR \$1.00, POSTPAID

**FREE 25c COUPON 25c FREE**

WE WANT TO BECOME BETTER ACQUAINTED WITH THE SEED BUYERS THROUGHOUT THE COUNTRY. OF COURSE, THERE ARE SOME WHO DO NOT KNOW OF US, AT LEAST DO NOT GET OUR CATALOG, AND THESE WE WANT TO BECOME BETTER ACQUAINTED WITH.

IT IS EXPENSIVE TO ADVERTISE, NO MATTER HOW IT IS DONE, AND YOU MIGHT AS WELL RECEIVE THE BENEFIT OF THIS COST TO US, AND SO IF YOU WILL FILL IN THE LINES BELOW WITH THE NAMES AND ADDRESSES OF FIVE FRIENDS WHOM YOU THINK ARE INTERESTED IN GOOD SEEDS AND WOULD LIKE OUR CATALOG BUT DO NOT GET IT, WE WILL GIVE YOU FIVE OF ANY OF THE 5c PACKAGES OF GARDEN OR FLOWER SEED LISTED IN OUR CATALOG, YOUR SELECTION, ABSOLUTELY FREE POSTPAID, IF SENT IN WITH AN ORDER FOR SEED AMOUNTING TO \$1.00.

Name .....	Town .....	State.....
.....	.....	.....
.....	.....	.....
.....	.....	.....
After filling in the above lines, write your name and address here:		
.....		
Cut out and return to us.		

**NOTICE**—Before sending your order, look over the index, as you will, no doubt, find something else you want. When sending your seed order include a few plants, poultry and bird supplies, insecticides, etc. Thus you will save time and express charges.



# Market Gardener's Price List

On this page you will find prices of all the different kinds of Garden Seeds displayed in our catalog. These prices are net postpaid. You can order them sent by express or freight, and if you wish them sent by parcel post your Postmaster can tell you the amount of postage required if you will give him the number of pounds in your order, then you can remit the postage along with your remittance for the order and we will send it by parcel post.

At the bottom of page 27 you will find a condensed parcel post table. By it you can tell about what the postage will be on any given weight.

## ASPARAGUS

	oz.	2 oz.	¼ lb.	lb.
All varieties Asparagus.....	\$0.10	\$0.15	\$0.25	\$0.35
Asparagus Roots .....	15c doz.;	\$1.00 per 100;	\$3.50 per 1,000	

## BEANS

	1 lb.	5 lb.	10 lb.	25 lb.	50 lb.
<b>Dwarf Wax</b>					
per lb. per lb. per lb. per lb. per lb.					
Sure Crop .....	\$0.40	\$0.38	\$0.38	\$0.37	\$0.36
Black Wax .....	.20	.19	.18	.17	.16
All other Dwarf Wax.....	.25	.24	.23	.22	.21

## Dwarf Green Pod

	1 lb.	5 lb.	10 lb.	25 lb.	50 lb.
Henderson Bush Lima.....	\$0.25	\$0.24	\$0.23	\$0.22	\$0.21
Burpee's Bush Lima.....	.25	.24	.23	.22	.21
Burpee's Green Stringless .....	.25	.24	.23	.22	.21
Giant Stringless .....	.25	.24	.23	.22	.21
All other Dwarf Green Pod.....	.20	.19	.18	.17	.16

## Pole or Running

	oz.	2 oz.	¼ lb.	lb.
Cut Short (Corn Hill).....	\$0.25	\$0.24	\$0.23	\$0.21
Dutch Case Knife.....	.25	.24	.23	.21
Early Golden Cluster Wax.....	.25	.24	.23	.21
Lazy Wife.....	.30	.28	.27	.25
Large Lima or Butter.....	.25	.24	.23	.21
Old Homestead (Kentucky Wonder).....	.25	.24	.23	.21
Red Kidney.....	.25	.24	.23	.21
Yard Long—See page 4.				

## BEETS

### Table Sorts

	oz.	2 oz.	¼ lb.	lb.
All Table Beets.....	\$0.10	\$0.15	\$0.25	\$0.60
<b>Mangel Wurzel and Sugar Beets</b>				
Corn Saver.....	\$0.10	\$0.15	\$0.20	\$0.60
Klein's Wanzenben .....	.05	.10	.15	.45
All other Mangels.....	.05	.10	.15	.40

## BRUSSELS SPROUTS

Improved Half Dwarf.....	\$0.15	\$0.25	\$0.40	\$1.35
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## BROCCOLI

New White Cape.....	\$0.35	\$0.65	\$1.10	\$3.50
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## CABBAGE

### Extra Early Sorts

Copenhagen Market.....	\$0.30	\$0.50	\$0.90	\$3.00
Extra Early Express (Lightning).....	.20	.35	.65	2.00
Early Jersey Wakefield.....	.20	.35	.65	2.00
Early Winningsstadt.....	.20	.35	.65	2.00

### Summer Sorts

All Head Early.....	.20	.35	.55	1.75
All Seasons (Vandergaw).....	.20	.35	.55	1.75
Early Dwarf Flat Dutch.....	.20	.35	.55	1.75
Early Drumhead.....	.20	.35	.55	1.75
Early Summer.....	.20	.35	.55	1.75

### Fall and Winter Sorts

Autumn King.....	.20	.35	.55	1.75
Hollander (Danish Ball Head).....	.30	.50	.90	3.00
Large Late Drumhead.....	.20	.35	.55	1.75
Premium Late Flat Dutch.....	.20	.35	.55	1.75
Red Dutch.....	.20	.35	.55	1.75
Surehead.....	.20	.35	.55	1.75

## CARROTS

### Table Carrots

All Varieties .....	.10	.15	.25	.75
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### Stock Carrots

	oz.	¼ lb.	lb.	5 lb.
All Varieties .....	\$0.05	\$0.20	\$0.55	\$2.50

## CAULIFLOWER

	¼ oz.	oz.
Danish Giant (dry weather).....	\$1.65	\$3.00
Early Snowball .....	1.35	2.50

## CELERY

	oz.	2 oz.	¼ lb.	lb.
Celeriac.....	\$0.20	\$0.35	\$0.65	\$2.00
Giant Pascal.....	.20	.35	.65	2.00
Golden Self-Blanching.....	.35	.60	1.15	4.00
White Plume.....	.20	.35	.65	2.00

## CORN—SWEET

	1 lb.	5 lb.	10 lb.	25 lb.	50 lb.
Aristocrat.....	\$0.25	\$0.25	\$0.24	\$0.23	\$0.22
Country Gentleman.....	.20	.18	.17	.16	.15
Crosby's Early.....	.15	.15	.14	.13	.12
Early Champion.....	.15	.15	.14	.13	.12
Early Evergreen.....	.15	.15	.14	.13	.12
Early Minnesota.....	.15	.15	.14	.13	.12
Extra Early Promo.....	.15	.15	.14	.13	.12
Golden Bantam.....	.20	.18	.17	.16	.15
Golden Evergreen.....	.25	.25	.24	.23	.22
Howling Mob.....	.15	.15	.14	.13	.12
Mammoth Sugar.....	.15	.15	.14	.13	.12
Mammoth White Corey.....	.15	.15	.14	.13	.12
Papago.....	.25	.25	.24	.23	.22
Peep O'Day.....	.15	.15	.14	.13	.12
Stowell's Evergreen.....	.15	.15	.14	.13	.12

## CRESS OR PEPPER GRASS

	oz.	2 oz.	¼ lb.	lb.
Extra Curled.....	\$0.15	\$0.25	\$0.45	\$1.50
Water.....	.40	.75	1.35	5.00

## CHUFAS

Price .....	\$0.10	\$0.15	\$0.20	\$0.60
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## COLLARD

Price .....	\$0.20	\$0.35	\$0.60	\$2.00
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## CORN SALAD

Price .....	.15	.25	.45	1.50
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## CUCUMBERS

Boston Pickling (Green Prolific).....	\$0.10	\$0.15	\$0.25	\$0.75
Early Cluster.....	.10	.15	.25	.85
Davis New Perfect.....	.10	.15	.25	.85
Early Frame (Short Green).....	.10	.15	.25	.85
Everbearing.....	.10	.15	.25	.85
Improved Early White Spine.....	.10	.15	.25	.85
Improved Jersey Pickling.....	.10	.15	.25	.75
Improved Long Green.....	.10	.15	.25	.85
Lemon.....	.15	.25	.45	1.20

## EGG PLANT

Improved New York Purple.....	\$0.40	\$0.70	\$1.35	\$5.00
Black Beauty.....	.40	.70	1.35	5.00

## ENDIVE

All varieties.....	\$0.10	\$0.15	\$0.30	\$1.00
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## FINOCCHIO

Price .....	\$0.40	\$0.75	\$1.25	\$4.00
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## KALE

All varieties.....	\$0.20	\$0.35	\$0.50	\$1.75
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## KOHLRABI

Early White Vienna.....	\$0.25	\$0.45	\$0.75	\$2.50
White Vienna Forcing.....	.25	.45	.75	2.50
Early Purple.....	.25	.45	.75	2.50

## LEEK

American Flag.....	\$0.20	\$0.35	\$0.65	\$2.25
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## LENTILS

Ask for price.

## LETTUCE

New York Improved.....	\$0.20	\$0.30	\$0.50	\$1.50
All other varieties.....	.10	.15	.25	.80

## MINT

Roots .....	15c each;	\$1.50 doz.
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## MUSKMELON

### Green Fleshed

	oz.	2 oz.	¼ lb.	lb.
Rocky Ford.....	\$0.10	\$0.15	\$0.25	\$0.80
Green Nutmeg.....	.10	.15	.25	.80
Extra Early Hackensack.....	.10	.15	.25	.80
Eden Gem.....	.10	.15	.25	.80
Hackensack (Turk's Cap).....	.10	.15	.25	.80
Honey Dew.....	.15	.25	.40	1.20
Long Island Beauty.....	.10	.15	.25	.80
New Bush.....	.40	.75	1.35	4.00
Santa Claus.....	.15	.25	.40	1.20

### Yellow Fleshed

Osage (Miller's Cream).....	.10	.20	.35	.95
Delicious Gold Lined Rocky Ford.....	.20	.30	.50	1.65
Emerald Gem.....	.10	.20	.30	.95
Pearl Rose (Petroskey).....	.10	.20	.30	.95
Burrell's Gem.....	.10	.20	.30	.95
Banana Cantaloupe.....	.10	.20	.35	1.05



MARKET GARDENER'S PRICE LIST—Continued

WATERMELON

	oz.	2 oz.	¼ lb.	lb.
Halbert's Honey.....	\$0.10	\$0.15	\$0.25	\$0.60
Harris' Earliest.....	.10	.15	.25	.60
Kleckley's Sweet (Monte Cristo).....	.10	.15	.25	.60
Tom Watson.....	.10	.15	.25	.60
All other varieties.....	.10	.15	.25	.55

MUSHROOM SPAWN

Per brick (1¼ lbs.), 25c; 3 for 70c; 6 for \$1.40; 12 for \$2.75.

MUSTARD

	oz.	2 oz.	¼ lb.	lb.
Chinese.....	\$0.05	\$0.10	\$0.20	\$0.50
Mammoth Southern Curled.....	.05	.10	.20	.50
White.....	.05	.10	.20	.50

OKRA OR GUMBO

All varieties.....	\$0.10	\$0.15	\$0.25	\$0.65
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ONIONS

	\$0.15	\$0.25	\$0.40	\$1.25
Australian Brown.....	\$0.15	\$0.25	\$0.40	\$1.25
Extra Early Red Flat.....	.15	.30	.45	1.50
Globe Wethersfield Red.....	.15	.30	.45	1.50
Large Red Wethersfield.....	.15	.30	.45	1.40
Mammoth Silver King.....	.20	.35	.65	2.00
Prizetaker.....	.15	.30	.45	1.50
Red Bermuda.....	.25	.45	.75	2.50
Southport Red Globe.....	.15	.30	.45	1.50
Southport White Globe.....	.20	.35	.65	2.00
Southport Yellow Globe.....	.15	.30	.45	1.40
Yellow Globe Danvers.....	.15	.30	.45	1.50
White Portugal (Silver Skin).....	.20	.35	.65	2.00
White Queen (Bartletta).....	.20	.35	.70	2.25
White Bermuda.....	.25	.45	.75	2.50

Deduct 10c per lb. in 5-lb. lots.

ONION SETS

	qt.	4 qt.	pk.	bu.
Red Bottom (bu. 32 lbs.).....	\$0.15	\$0.50	\$0.90	\$0.50
Yellow Bottom (bu. 32 lbs.).....	.15	.50	.90	3.50
White Bottom (bu. 32 lbs.).....	.20	.65	1.15	4.00

\* Price of all Onion Sets by bushel are subject to market fluctuations. Prices by quart good throughout season or as long as our supply lasts.

PARSLEY

All varieties.....	\$0.10	\$0.15	\$0.25	\$0.75
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PARSNIPS

All varieties.....	\$0.10	\$0.15	\$0.25	\$0.75
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PEANUTS

Jumbo..... 30c lb.; 2 lbs. for 55c

PEAS

	1 lb.	5 lb.	10 lb.	25 lb.	50 lb.
	per lb.	per lb.	per lb.	per lb.	per lb.
Early Dwarf.....	\$0.30	\$0.29	\$0.28	\$0.27	\$0.26
Little Marvel.....	.30	.29	.28	.27	.26
Mammoth Podded Extra.....					
Early.....	.30	.29	.28	.27	.26
White Marrowfat.....	.15	.15	.14	.14	.13
Melting Sugar.....	.30	.29	.28	.27	.26
The Lincoln.....	.40	.39	.38	.37	.36
All other varieties.....	.25	.24	.23	.22	.21

Write for prices in larger lots.

PEPPERS

	oz.	2 oz.	¼ lb.	lb.
Red Chili.....	\$0.35	\$0.60	\$1.15	\$4.00
Long Red Cayenne.....	.30	.50	.90	3.00
All other varieties.....	.45	.85	1.50	5.00

PUMPKIN

	\$0.10	\$0.15	\$0.20	\$0.65
Connecticut Field.....	\$0.10	\$0.15	\$0.20	\$0.65
Cushaw (Crookneck).....	.10	.15	.30	.90
Japanese Pie.....	.10	.15	.30	.90
King of the Mammoths (Jumbo Potiron).....	.15	.25	.40	1.15
Large Sweet Cheese.....	.10	.15	.25	.75
Small Sugar.....	.10	.15	.25	.75
Sweet Potato.....	.15	.25	.40	1.05

RADISH

	\$0.15	\$0.25	\$0.40	\$1.10
Saxa.....	\$0.15	\$0.25	\$0.40	\$1.10
Non Plus Ultra.....	.10	.15	.30	.90
Early Bird.....	.10	.15	.25	.80
Early Scarlet Turnip White Tip.....	.10	.15	.25	.70
Giant Crimson Globe.....	.10	.15	.25	.70
New Sparkler.....	.10	.15	.30	.95
Chinese Rose (Scarlet China).....	.10	.15	.25	.70
California Mammoth White.....	.10	.15	.25	.70
Round Black Spanish.....	.10	.15	.25	.70

	oz.	2 oz.	¼ lb.	lb.
Long Black Spanish.....	\$0.10	\$0.15	\$0.25	\$0.70
Sakurajima.....	.15	.25	.45	1.40
French Breakfast.....	.10	.15	.25	.70
White Icicle.....	.10	.15	.25	.70
White Box.....	.10	.15	.30	.95
All other varieties.....	.10	.15	.30	.60

RHUBARB or PIE PLANT

	\$0.15	\$0.25	\$0.40	\$1.25
Victoria.....	\$0.15	\$0.25	\$0.40	\$1.25
Linnaeus.....	.15	.25	.40	1.25

RHUBARB ROOTS

Rhubarb Roots..... 5c each; 50c per dozen

SALSIFY or VEGETABLE OYSTER

Mammoth Sandwich Island.....	\$0.20	\$0.35	\$0.50	\$1.75
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SPINACH

	\$0.05	\$0.10	\$0.15	\$0.35
Bloomsdale (Savoy Leaved).....	\$0.05	\$0.10	\$0.15	\$0.35
Improved Thick Leaved (Long standing).....	.05	.10	.15	.35
New Zealand.....	.10	.15	.20	.60

SQUASH

	\$0.15	\$0.25	\$0.45	\$1.40
Fordhook.....	\$0.15	\$0.25	\$0.45	\$1.40
Dellcata.....	.20	.35	.50	1.05
All other varieties.....	.15	.25	.40	1.15

SWEET POTATOES

Potatoes ready April 1st. Plants ready about May 1st

(Write for prices on potatoes.)

Yellow Jersey and Nansemond.....Plants, 60c per 100; \$5.50 per 1,000

Red Jersey and Southern Queen.....Plants, 85c per 100; \$7.00 per 1,000

SWISS CHARD

Lucullus.....	\$0.15	\$0.25	\$0.40	\$0.85
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TOBACCO

Oz., 35c; 2 oz., 65c; ¼ lb., \$1.00; lb., \$3.50

TOMATO

	oz.	2 oz.	¼ lb.	lb.
Acme.....	\$0.30	\$0.50	\$0.90	\$3.00
Beauty.....	.20	.35	.65	2.00
Chalk's Early Jewel.....	.30	.50	.90	3.00
Crimson Cushion.....	.30	.50	.90	3.00
Colossal.....	.40	.75	1.35	4.50
Coreless.....	.25	.45	.80	2.55
Dwarf Stone, Livingston's.....	.30	.50	.90	3.00
Dwarf Champion (Tree).....	.25	.45	.75	2.50
Dwarf Ponderosa.....	.40	.75	1.35	4.50
Earlana.....	.25	.45	.80	2.75
Enormous.....	.30	.50	.90	3.00
Favorite.....	.20	.35	.65	2.00
Golden Ponderosa.....	.35	.65	1.15	4.00
John Baer.....	.30	.60	1.10	3.50
June Pink.....	.30	.50	.90	3.00
Marvel.....	1.25	2.25	4.00	12.00
Matchless.....	.30	.50	.90	3.00
New Globe.....	.30	.50	.90	3.00
Norton.....	1.00	1.75	3.00	10.00
Perfection.....	.30	.50	.90	3.00
Ponderosa.....	.35	.60	1.10	3.50
Quarter Century.....	.30	.50	.90	3.00
Stone.....	.25	.45	.75	2.50
Trothy.....	.25	.45	.75	2.50
Baltimore Baer.....	½ oz., \$2.50; oz., \$4.50; ¼ lb., \$14.50; ½ lb., \$25.00			

ALL SMALL TOMATOES

Oz., 35c; 2 oz., 60c; ¼ lb., \$1.10

TURNIP

	oz.	2 oz.	¼ lb.	lb.
Extra Early Purple Top Milan.....	\$0.10	\$0.20	\$0.30	\$0.90
Extra Early White Milan.....	.10	.20	.30	.90
All other varieties.....	.10	.15	.20	.55

RUTABAGA

	\$0.10	\$0.15	\$0.20	\$0.55
American Purple Top.....	\$0.10	\$0.15	\$0.20	\$0.55
Skirving's Purple Top Yellow.....	.10	.15	.20	.55
Sweet German (Long White French).....	.10	.15	.20	.55

IF INTERESTED IN LARGER QUANTITIES THAN LISTED HERE OR AN EXTENDED LIST OF SEEDS, WE WOULD BE GLAD TO QUOTE SPECIAL PRICES.

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions:	1st lb.	Each Addl. lb. or fraction
First Zone—Lincoln or 50 miles thereof.....	5c	1c
Second Zone—within 50 to 150 miles of Lincoln.....	5c	1c
Third Zone—within 150 to 300 miles.....	6c	2c
Fourth Zone—within 300 to 600 miles.....	7c	4c
Fifth Zone—within 600 to 1,000 miles.....	8c	6c
Sixth Zone—within 1,000 to 1,400 miles.....	9c	8c
Seventh Zone—within 1,400 to 1,800 miles.....	11c	10c
Eighth Zone—all over 1,800 miles.....	12c	12c

In Making Your Order, Please Give the Price, to Avoid Delay and Errors



# SEED POTATOES

One peck will plant about 100 hills, 8 to 12 bushels required to the acre.

With no other seed is the importance of change more essential than with potatoes, and by using our Northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Nebraska and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order as early as possible and we will ship as soon as weather permits.

**IRISH COBBLER**—It is an excellent extra early variety, maturing good-sized tubers seven weeks from time of planting; producing very few, if any, small potatoes, all tubers being of marketable size.

**RED RIVER EARLY OHIO**—This is the most popular early potato in this country. We have more calls for it than any other early variety. Every potato grower knows what it is and knows just what it will do in his locality. It is the standard extra early the world over and other varieties are measured by it.



Red River Early Ohio

**RURAL NEW YORKER**—It is very large, unusually smooth, with few and shallow eyes; form slightly oblong, and rather flattened. Skin and flesh white, quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. It holds a leading place as a standard field cropper.

**RED TRIUMPH**—Earlier than any other, desirable for the first "new potatoes." Tubers nearly round, medium in size, reddish pink in color.

**PRICES OF POTATOES**

For prices see colored price sheet enclosed.

## Hybridized Potato Seed

From the Seed Balls—Headquarters Stock

Millions never saw a Potato Seed Ball. Thousands have tried in vain to get the seed. Now is your opportunity. This unrivaled seed will produce an endless variety of new kinds. Your fortune may be in one of them. They are as easy to grow as tomatoes.

Growing new and distinct Seedling Potatoes from the Seed Ball Seed is intensely interesting. They will be the greatest curiosity of your garden. This seed will positively produce innumerable new kinds, colors, shapes, sizes and qualities. Every farmer, gardener and bright boy should plant a few packets. You may be one of the lucky ones. Full directions on every packet. Pkt., 18c; 2 for 25c; 5 for 50c; 10 for \$1.00.



Irish Cobblers

## MANGEL AND SUGAR BEETS

140 to 150 days required from sowing to maturity. One ounce will sow 100 feet of drill. 10 pounds per acre. When the fact is considered that 50 tons of Mangel Wurzel may be grown on a single acre, at a small outlay, the wonder is that every farmer does not profit by it.

**CORN SAVER**—A BIG MONEY MAKER—if you have not tried it, surely someone in your neighborhood has. We get hundreds of testimonials every year as to its worth as a hog fattener. Before we ever offered it as such we gave it a thorough trial ourselves on our own farm with the result that we named it **CORN SAVER**.

**HOW TO FEED**—We began feeding our hogs one-third corn, one-third alfalfa and one-third of the new **CORN SAVER BEET**. The amount of alfalfa hay and corn may be reduced from time to time until you will not have to average more than one small ear of corn to each hog, with very little alfalfa hay and the balance **CORN SAVER BEET**. Give them all they can eat and the hogs will get rolling fat and healthy. Our experience proves we have struck something that will make the profit on hog raising several times greater than heretofore and believe will entirely do away with hog cholera.

Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c; postpaid. By freight or express, 5 lbs., \$2.75; 10 lbs., (enough for 1 acre), \$5.00.

**DARK RED GIANT ECKENDORF**—Is of cylindrical form and grows mostly above the surface and, like the Sludstrup, is very easy to pull. Price: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; postpaid.

**GIANT HALF SUGAR MANGEL**—The roots of this new mangel are more valuable, pound for pound, than those of the best strain of sugar beet, supplying food of very much higher nutritive value and not only are they of better quality, but they yield more than twice as much. Price: Pkt., 5c; ¼ lb., 15c; lb., 50c; postpaid.

**GOLDEN TANKARD**—A superior strain of golden fleshed mangel; root half long and very large. It is particularly rich in milk-producing qualities. Is very easily pulled, exceedingly hardy. Price: Pkt., 5c; ¼ lb., 15c; lb., 50c; postpaid.

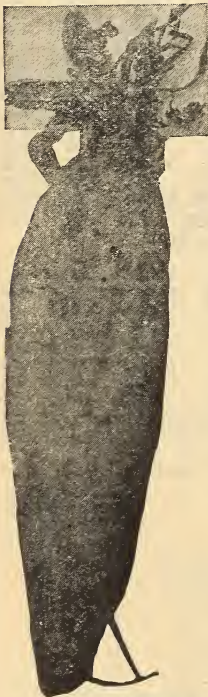
**MAMMOTH LONG RED (Dignity)**—This is truly a mammoth, a single root often weighing 30 pounds. Enormously productive, smooth and regular in shape, with a small top. They grow half above the ground and are easily harvested. Price: Pkt., 5c; ¼ lb., 15c; lb., 50c; postpaid.

**LANE'S IMPERIAL SUGAR**—This beet grows to a large size, will yield almost as much in bulk as the best mangels, and contains a large percentage of sugar. Price: Pkt., 5c; ¼ lb., 15c; lb., 50c; postpaid.

**KLEIN'S WANZLEBEN SUGAR BEET**—This is the genuine Sugar Beet. The variety used exclusively by beet sugar factories. Owing to the great amount of saccharine matter it is a great stock fattener. Price: Pkt., 5c; ¼ lb., 15c; lb., 50c; postpaid.

TO KILL POTATO BUGS, USE SURE NOXEM, WITH THE FEENY DUSTER, PAGE 63.

MARKET GARDENERS PRICES. SEE PAGES 26 and 27



Long Red Mangel



# ALFALFA

Alfalfa is a perennial plant of upright growth, sometimes 3 feet high. The nature of the leaves is somewhat like clover, although not as large. The flowers are a purplish blue and appear in sprays. The seeds are small, yellowish green, kidney shaped and of about the size of a pin head.

**SUITABLE SOIL**—Alfalfa makes a strong and rapid growth on well-drained, rather heavy land, which is supplied with some lime, and where the sub-soil, while not necessarily sand or gravel, is porous. On sandy soil the growth is vigorous, when moisture is abundant but during drought it will suffer unless the roots reach water at a depth of 8 to 10 feet. The land should slope some, as alfalfa will not stand surface water.

**SEED BED**—The land must be free from weeds and the ground must be thoroughly pulverized and well packed. Alfalfa will frequently fail if seeded on freshly plowed ground. If it is necessary to plow the ground before seeding, do it early, harrowing thoroughly and sow after a good rain has settled it.

**SPRING SEEDING**—Sow seed broadcast or with drill from March to June 15th, at the rate of 15 to 20 pounds to the acre.

**FALL SEEDING**—Disk out and wheat land as soon as the crop is cut, and then harrow or disk every 10 days until a suitable time for sowing before the 15th day of September, when you can sow as above. Cut for hay the next fall. This is the best time to sow for all except northern states, if you are sure of getting fall rains.

**NEBRASKA GROWN SEED**—We are right in the center of the largest alfalfa seed-growing district in the United States. Nebraska-grown alfalfa seed has gained for itself a reputation of which we are proud. If you live east of the Missouri river we would advise you to INOCULATE your alfalfa seed with bacteria before sowing. In the west where there is more sunshine it is not so necessary.

**SELECTION OF SEED IS MOST IMPORTANT**—Poor seed is a primary and great cause of a poor stand. In buying alfalfa seed the highest priced seed is often the cheapest. The loss is much greater in using seed of poor quality than the difference in cost of the seed. This loss comes from the labor thrown away, the stands lost and yields sacrificed by its use, as well as the final expense in getting rid of the weed seeds introduced.

If seed germinates poorly, one must either plant more seed or expect a thin stand. Small, shrunken seed will not produce vigorous plants. Weedy seed means the introduction into the field of plantain, dodder, thistle, mustard or some other pest, ready to take advantage of the fine fertile soil and undo the work of two years' preparation.

**AERO BRAND ALFALFA SEED**—No seed which we handle is given closer scrutiny than alfalfa. We buy only the best offered, using the microscope and analyzing for purity. Our Aero Brand grade is the brightest, plumpest and cleanest we can find; and even this is not good enough until we have released it through our perfected machinery and taken out everything in the way of sand, broken grains and dirt. We invite the closest inspection of our Aero Brand Alfalfa from particular farmers and we will gladly mail you a sample on request for microscopic inspection and analysis.

**OUR FANCY GRADE ALFALFA** will be found of excellent purity, free from prohibited weeds, and grading lower than the Aero Brand because of color rather than actual value.

FOR PRICES SEE COLORED SHEET ENCLOSED.



FIELD OF ALFALFA

# HUBAM CLOVER

## ANNUAL WHITE SWEET CLOVER

Hubam Clover is an annual which makes seed and dies the year it is seeded. Hubam Clover will outgrow and overcome the annual weeds and, therefore, can be sowed and successfully grown broadcast. It grows slowly at first, and therefore, would be easily killed in case it came up a volunteer crop where you wanted to use some other crop.

The Experiment Station at Ames finds that a mixture of Hubam Clover and Oats promises to make an excellent emergency hay crop.

The question has often been asked wherein is Hubam different from biennial White Sweet Clover. Hubam Clover makes its full growth, blooms, sets a seed crop and dies the same year it is seeded. The biennial White Sweet Clover makes a strong root growth the first year, but makes its main growth, blooms, sets a seed crop and dies the second year. Hubam Clover and the biennial White Sweet Clover are quite similar for a period of about two months from seeding. At the end of this period the Hubam begins to grow very rapidly. As soon as it begins to bloom it sends out longer branches and soon begins to lose its leaves just as the biennial does in the second year of growth. Hubam Clover is also more upright in its early stages of growth than the biennial. Hubam Clover when flowering and setting seed in its first year of growth is similar to biennial White Sweet Clover when the latter is flowering and setting seed in its second year of growth.

The only reliable way to tell Hubam from the biennial White is to examine the roots of the plants. Hubam Clover develops no crown buds because it is an annual and lives but one year. Biennial White Sweet Clover develops crown buds during its first season of growth. These buds which lay dormant during the winter are the source of the second season's growth. The seed of Hubam Clover cannot be distinguished from the seed of biennial White except by expert seed analysts. Therefore, those interested in the purchase of Hubam seed should select their seed from only reliable sources.

Hubam Clover will do best on ground following Clover or Alfalfa. Lime should be applied to the soil in case it is acid. Spring plowed land is likely to delay the seeding and it will do best on a fall plowed piece of ground. Unless Alfalfa or Sweet Clover has been grown on the land in recent years it is advisable to inoculate the seed.

It is a valuable crop from the bee man's standpoint, as it blooms over a long season and the honey tests A-1. Furthermore, the bees pollenate the flowers and cause a heavier setting of seed. One or two hives of bees per acre of Hubam is the general recommendation.

However great its value as a honey plant may be, its chief merit lays in the potential value as a soil restorer when used as green manure following small grain to be plowed under the same year that it is seeded.

For price see colored price sheet enclosed.



Showing the Remarkable Growth of a Single Plant



Our Clover Seeds are of the Highest Quality and  
Thoroughly Cleaned and Tested

# CLOVERS

60 lbs. to Bushel. Sow 8 to 12 lbs. to Acre

Every farmer should have some land sown to clover. It is of the greatest value for plowing under for supplying humus and nitrogen, greatly enriching the soil and increasing the following crop yield from 20 to 40 per cent.

**MEDIUM RED (Common or June Clover)**—This is by far the most important of all the varieties for hay or pasture. Sow in spring or fall and if no other grasses are used at the rate of 8 to 12 pounds per acre. This clover is a biennial, and at best only lasts three years unless it is allowed to reseed itself which should be done every two years. For price see colored price sheet enclosed.

**MAMMOTH RED (Saplin or Vine Clover)**—Quite distinct from Common Red Clover. It lasts longer and is two or three weeks later than the Common Red Clover, grows 3 to 5 feet high and yields an enormous amount to the acre; especially valuable for hog feed and for plowing under green on worn-out lands. Sow 12 lbs. to acre. For price see colored price sheet enclosed.

**ALSIKE (Swedish Clover)**—One of the hardiest of all clovers. This clover is very nutritious, yields abundantly and can be cut several times during the season. It is good for pasture, green fodder or hay. The roots do not heave like those of Red Clover and for this reason it is especially adapted for wet moist places. It does well on most any soil and resists the severest cold and extremes of drought and wet. We advise farmers to sow 2 or 3 pounds of this seed with their Red Clover and Timothy. If alone, sow 8 pounds to the acre. For price see colored price sheet enclosed.

**WHITE DUTCH CLOVER**—Best adapted to moist soils, but does well on any land. Sow 8 pounds to acre. For price see colored price sheet enclosed.

## SWEET CLOVER (Alfalfa's Twin Sister)

**WHITE BLOSSOM or BOKHARA (Melilotus Alba)**—This lives two years and then dies. It is the variety commonly referred to when "Sweet Clover" is mentioned and is the best for general use.

Sweet Clover is a legume having the same bacteria on its roots that grow on Alfalfa. Consequently it supplies nitrogen to the soil and prepares the way for Alfalfa.

**WHERE TO PLANT**—Valuable for building up worn-out soils. It is not usually advisable to plant it where Red Clover or Alfalfa flourishes, as these crops are commonly more valuable to the grower. However, some are planting Sweet Clover in preference to other pasture crops.

It grows in a variety of soils—heavy, light, wet or dry—almost anywhere except in acid soil. But it does best on a firm, well-drained soil which is rich in lime. The Montana Experiment Station recommends it for improving alkali soils. It is a splendid green manure crop for plowing under, as it supplies so much humus and nitrogen to the soil.

**CULTURE**—Sow the seed at the rate of 15 to 20 lbs. per acre with a nurse crop of grain or alone, in well-prepared fields in April or May. Cover the seed very lightly. It may follow a cultivated crop by preparing the seed bed with surface-working implements. If the soil is plowed, this should be done several weeks before seeding.

**GOOD AS ALFALFA**—Many farmers claim that the forage from this plant is just as good as Alfalfa and just as readily eaten by the stock after they have become accustomed to it. Sweet Clover is one of the best plants for bees, it makes a very fine grade of honey.



### NEVER SAW BETTER SEED

Webster Co., Nebr., April 29, 1922.

Gentlemen: Latter part of March I ordered four bushels of White Sweet Clover Seed through one of your dealers at Bluehill and I must say that it was lovely seed. I never saw better seed.

F. P. SADILEK.

## GRASS MIXTURES

It has been proven that grass mixtures produce a much larger yield per acre than where one or two grasses are planted, either for hay or pasture. We have carefully studied what kinds of grasses and the amounts required to make mixtures to get the best results for different kinds of soils, where grown and for the purposes for which they are to be used.

Write us giving all particulars as to soil, etc., and we will send you a list of seed for a mixture to get the best results, also a special low price for the seed.

**PRICES OF FIELD SEED SUBJECT TO MARKET  
CHANGES**



# LARGER CROPS in FIELD and GARDEN

if you use

Registered in the United States Dec. 6th, 1898.  
25 YEARS AGO.



Awarded Gold Medal Worlds Fair - St. Louis 1904.  
19 YEARS AGO.

Alfalfa, clovers, soybeans, vetches, peas, beans, cowpeas, peanuts and other legumes should always be inoculated with Nitragin. The lack of necessary bacteria in the soil is often the cause of a poor legume crop—a weak start—or a total failure.

## A Great Price Reduction

NITRAGIN Costs Less

Nitragin now comes in Bushel sizes instead of acre sizes. This means that it costs you less per acre than inferior imitations. If you sow 12 pounds of seed to the acre it will only cost you 20 cents for your Nitragin. It means that

Your Dollar Goes Further With NITRAGIN

Nitragin is an old, reliable inoculator. At the low price of 20 to 33 cents per acre you cannot afford to sow legumes without it. Nitragin is put up in the modern ventilated package; in a rich, soil-like packing medium. The contents are always fresh, living bacteria to feed your plants. Easy to use.

### EVERY GARDEN NEEDS NITRAGIN

New Garden Culture for Peas and Beans

See Below

PRICES

¼ Bushel size.....	40c	Postage.....	4c
½ Bushel size.....	60c	Postage.....	5c
1 Bushel size.....	\$ 1.00	Postage.....	7c
5 Bushel size.....	\$ 4.75	Postage.....	10c
Garden (peas, beans, sweet peas - three in one package) .....	20c	Postage.....	2c



STATE WHAT CROP YOU WANT THE NITRAGIN FOR



This inoculated Bean produced 100% larger crop than those not inoculated.

## Standard Inoculating Bacteria

Hastens Maturity      Increases the Yield      Builds up the Land  
Improves the Feeding Value      Enriches the Soil      Saves Fertilizer Bills

Our standard cultures are not cheap cultures. They may be cheaper in price than some but in price only. They cannot be made better if ten times the price were offered. Every package is fully guaranteed.

All legume crops should be inoculated with our Standard Cultures. Artificial inoculation with pure cultures has long since been determined to be the only safe and sure way. Inoculated legumes take their supply of nitrogen from the air and not only feed themselves during growth but store up a surplus in the nodules formed on the roots for succeeding crops. But unless the proper bacteria are supplied or present there will be few if any nodules. Neither will the crop be maximum. A good legume crop will store up in the soil for use for future crops as much nitrogen as can be obtained for thirty to fifty dollars in commercial nitrogen carrying fertilizer materials. Take no chance. Inoculate all legume with our Standard Culture.

Our Standard Cultures are put up in amber colored glass bottles (excluding the blue light ray which is deadly to many germs) with rubber corks and with glass air tubes and cotton filters. Thus prepared they retain their virility even for years.

### EASY TO APPLY

Full Directions in Every Package

Garden Size .....	\$0.50	¼ Acre Size.....	2.25
1 Acre Size.....	.75	½ Acre Size.....	3.00
2 Acre Size.....	1.45		

Prepared for Alfalfa, Soy Beans, Sweet Clover, Crimson Clover, Alsike Clover, Red Clover, Vetch, Field Peas, Garden Peas, Sweet Peas, Garden Beans, Peanuts, and all other legumes.

Sent postpaid on receipt of price. One acre size sufficient for about 20 pounds of alfalfa, clover or other seed, and for about 90 pounds of peas, beans or other large seeds. When ordering, state crop to be inoculated.

Our Standard Cultures are guaranteed by us and by makers.

## TAKE NO CHANCES of FAILURE--INOCULATE

### QUANTITY PRICES

Write for special prices on quantity lots when ready to buy. Grass and Field Seeds are subject to market changes. We will give you our best prices.



Inoculated—Red Clover—Not Inoculated





## DWARF ESSEX RAPE

Grows two to four feet high. Produces from 25 to 30 tons of green fodder to the acre.

Produces feed in from six to ten weeks from sowing.

Sow five pounds to the acre.

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. It is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. True Dwarf Essex Rape, our own importation.

For price see colored price sheet enclosed.

## COW PEAS

Highly recommended to plant with oats or kafir corn, increasing the fertility of the soil for the succeeding crop and leaving the ground mellow and clean from weeds. Do not plant until the weather has become warm; sow 2 bushels if alone and 1 bushel if with other seeds.

**WHIPPOORWILL**—Early bunch-growing variety. For price see colored price sheet enclosed.

**NEW ERA**—An early variety, maturing seeds in from 80 to 100 days. Probably the best sort for north and west. Can be sown after wheat is taken off the ground and still produce a good crop of forage or peas. For price see colored price sheet enclosed.

## FIELD PEAS

**CANADA FIELD PEAS** (60 lbs. to bushel). With oats  $1\frac{1}{4}$  bu. per acre, 2 bu. if alone. Very valuable for cattle feeding. Excellent for horses and pigs when sown with oats. Farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of northern grown fancy seed. Sow broadcast and harrow in. For price see colored price sheet enclosed.

## VETCHES

**WINTER VETCH** (*Vicia Villosa*)—The Winter Cover Crop. Also called Sand or Hairy Vetch. It is a hardy legume sown in northern states in the fall months, growing well that season and remaining green all winter. It supplies a place in the north that the less hardy crimson clover does in the south. As a winter cover crop it prevents washing or leaching of soil during the winter, and at the same time a nitrogen gatherer it enriches the soil. Vetch also furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For the hay use 1 bu. For price see colored price sheet enclosed.

**SPRING VETCH** or **TARES** (*Vici Sativa*) (Oregon Vetch)—Sown broadcast at rate of 1 to  $1\frac{1}{4}$  bu. to acre like wheat or barley and sometimes mixed with oats, for sowing. Valuable for orchard. Used in France and Canada as a substitute for peas. Culture same as field peas. For price see colored price sheet enclosed.

## SOJA OR SOY BEANS

**IMPROVED YELLOW**—Splendid soiling and hay crop, preferred by many to cow peas as they stand up better and are easier to harvest. Of great value from the fact that they fertilize the soil like clover. Ground beans are equal to linseed oil meal in feeding value; as hay for silo it is equal to or better than clover. Will mature in all parts of the corn belt and in the middle states has been grown over 4 feet high; heavily podded with seed, producing 10 tons of feed per acre. For price see colored price sheet enclosed.



Soy Beans

## GRASSES

IF YOU WOULD BE SUCCESSFUL, BUY THE BEST

In the sowing of a lawn or pasture it will be found economical in the end to seed the best. The cost over poorer seed is, at the most, only a small part of the actual investment. We do not advocate high prices, because high prices and high quality do not always go together, particularly in the grass seed line. We want to call attention to, and protest against, the many sellers of seed who advertise low prices, which necessitates a cut in quality, to compete at a lower price with goods of better quality. We know of many instances where seed has been shipped into this state which would not pass the state law. When comparing prices, you must compare quality; have the samples tested at your State University or State House and be sure. We offer grass seed at prices that are just, based upon the quality offered. Send for samples.

### MEADOW FESCUE

OR ENGLISH BLUE GRASS

(22 lbs. to bu. Sow 21 to 28 lbs. per acre)

Hardy and very valuable for good feed and pasture. Starts early in the spring and lasts until November and December. Just the grass for permanent pasture or meadow. Meadow Fescue grows luxuriantly, the blades being broad, tender and nutritious, and springs up quickly after cropping. It starts early in the spring, affording most excellent grazing by March 20th or 30th, and in the fall will frequently keep cattle fat until late in November. For hay it should be cut soon after the blossoms fall. For price see colored price sheet enclosed.



Meadow Fescue

## QUANTITY PRICES

Write for special prices on quantity lots when ready to buy. Grass and Field Seeds are subject to market changes. We will give you our best prices.



**CANADA BLUE GRASS**

This is the blue grass of Canada, New York and the New England states. It does better on poor, clayey thin soils than on rich land. It is smaller, grows closer to the ground and stands cold and drought better than Kentucky Blue Grass. Has a very blue color and flattish stems. Very nutritive and really a valuable grass. Not desirable for lawn. For price see colored price sheet enclosed.

**TIMOTHY**

This grass is used exclusively for hay and does well on most any soil. Sometimes grows to the height of 4 feet on rich loam. It is exceedingly nutritious, particularly when ripe. This grass is also used for pasture. It is, however, better for hay and is sown mostly with Red Clover. For price see colored price sheet enclosed.



**BROMUS INERMUS**

Grows in Dry, Semi-Arid Regions, Very Resistant to Drought and Freezing. Lengthens Season of Green Pasture, 140 lbs. to bu. Sow 20 lbs. per acre.

Nebraska Experiment Station says: "This is one of the principal grasses grown in the dry and semi-arid regions of Russia and Siberia. It starts very early in the spring and continues growth until late in the fall. Brome grass spreads by means of underground rootstalks. As a hay crop, the grass usually furnishes good cuttings for two or three years, sometimes cutting three tons of cured hay per acre, after which the sod becomes so root-bound that the grass does not grow tall enough for hay (this can be overcome by disking), but will furnish the best pasture for several years."

If plenty of moisture is present it is best to sow in the fall, otherwise it is better to sow in the spring. It is sometimes sown with winter wheat. It is recommended to sow with alfalfa where the latter is to be used as pasture. For price see colored price sheet enclosed.

**ORCHARD GRASS**

(14 lbs. to the bu.; 1½ to 2 bu. per acre)

Because of its rapid growth orchard grass is one of the most valuable and popular of our domestic grasses. It is hardy and may be grown anywhere in the United States, except the extreme South and the arid regions of the West. It is a very hardy perennial vigorous grower and does as well in shade as in sunshine. It is



Orchard Grass

about two weeks earlier than timothy and one of the last to succumb to frost in the fall.

The tendency of Orchard Grass to grow in tufts may be overcome by thorough preparation of the ground and liberal seeding or sowing with other grasses. It may be sown with good results at most any time from January to September, inclusive. Sow (if alone) 1½ to 2 bushels per acre. For price see colored price sheet enclosed.

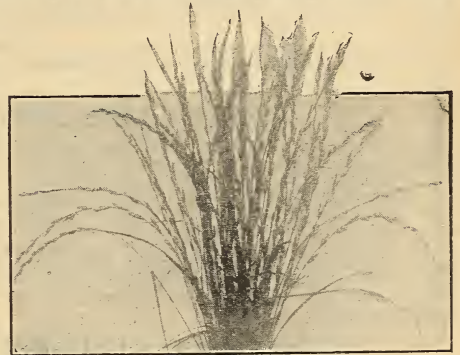
When in the market for grass and field seed, write for our latest price list, some kinds may be cheaper.

**RED TOP**

Valuable either for mixing in hay or permanent pasture grass. Succeeds almost everywhere but does best in moist, rich soil. It is being sown with Alsike in Western Nebraska, with a great deal of satisfaction. It is often sown with Timothy and Clover. For price see colored price sheet enclosed.

**ENGLISH OR PERENNIAL RYE GRASS**

This grass is considered invaluable for permanent pasture grass. Produces an abundance of remarkably fine foliage and soon forms a compact sod. After being cut it grows quickly and remains bright and green through the season. It is also a good variety for hay if cut when in blossoms, as it is then most nutritious. Flourishes best in moist soil. For price see colored price sheet enclosed.



English Rye Grass Seed Heads

**TABLE OF WEIGHTS OF GRASS AND FIELD SEEDS**

Showing Number of Pounds to the Bushel and Amount of Seed Necessary for an Acre

	No. Lbs. to Bu.	No. Lbs. to Acre		No. Lbs. to Bu.	No. Lbs. to Acre
Alfalfa	60	15 to 25	Milo Maize	56	4 to 6
Alsike Clover	60	6 to 8	Millet (except as noted)	50	25 to 50
Barley	48	48 to 96	Oats	32	32 to 64
Beans	60	30 to 50	Onion Sets, top	28	
Billion Dollar Grass	40	10 to 15	Onion Sets, bottom	32	320 to 408
Buckwheat	60	25 to 40	Orchard Grass	14	25 to 30
Broom Corn	46	10 to 12	Pearl Millet	50	5 to 8
Brome Grass	14	25 to 40	Peas, field or smooth garden	60	90 to 120
Blue Grass, Kentucky	14	25 to 30	Peas, wrinkled	56	
Cane in Drills	50	6 to 8	Peanuts	24	24 to 30
Cane, for Fodder Broadcast	50	100 to 150	Penicillaria	50	5 to 8
Clover, Alsike	60	6 to 8	Potatoes, Irish good measure	60	480 to 600
Clover, Red	60	12 to 15	Potatoes, Sweet	50	
Clover, White Dutch	60	6 to 8	Rape	60	5 to 6
Corn	56	8 to 10	Red Top	14	20 to 30
Corn on Ear	70		Red Clover	60	12 to 15
Cow Peas	60	60 to 90	Rye	56	72 to 90
English Blue Grass (Meadow Fescue)	22	21 to 23	Rye Grass English or Perennial	24	50 to 60
Flax	56	28 to 42	Speltz, or Emmer	48	80 to 120
Hemp	44	10 to 15	Sweet Clover	60	12 to 15
Japanese Millet	40	10 to 15	Timothy	45	15 to 20
Johnson Grass	25	25 to 50	Wheat	60	60 to 90
Kaffir Corn	54	50 to 100			

**PRICES OF FIELD SEED SUBJECT TO MARKET CHANGES**





## BEAUTIFUL LAWNS

**TO MAKE A GOOD LAWN**—Nothing is more easily made and kept in order by a little well-directed care. To get grass seed up quickly and evenly the surface must be mellow and level with at least six inches of good black soil. Sow one pound of **Griswold's Special Mixture** to every 200 square feet and rake the seed in and roll well, or use a wide board until soil is uniformly firm.

A rich velvety lawn with a background of **Beautiful Ornamental Shrubs** enhances the value of a home and gives to it the natural artistic setting that we so much admire.

### GRISWOLD'S SPECIAL AERO BRAND LAWN MIXTURE

Our process of cleaning, recleaning and testing for germination, not less than the care taken in selecting the finest the seasons and markets afford, have yielded a degree of uniformity in growth and quality impossible to attain with less complete facilities and less knowledge of sources and methods.

A mixture adapted to our hot, dry climate. It is composed of Blue Grass, White Clover, and several other best lawn grasses. Some of these come early, some grow best during the summer, some grow well in the shade while others make their growth in the fall. In this way one has green grass the whole season. One pound covers 400 square feet (a square 20x20 feet) for new lawns and half this amount for re-seeding old ones. For price see colored price sheet enclosed.

### KENTUCKY BLUE GRASS

This valuable grass is very productive usually early and very desirable as a lawn or pasture grass. It comes in the spring and with a few rains during the summer will make good pasture until late fall. It is surprising how well this grass does west, even during the dry season. It is very desirable for lawns, is extremely hardy and will grow when all other grasses fail. For price see colored price sheet enclosed.



### WHITE CLOVER

This is just the seed to sow on the bare spots in your yard or lawn where a very quick green covering is desired as it will cover better in ten days' time than grass seed will cover in two months. For price see colored price sheet enclosed.

### GRISWOLD'S "PRESTO" LAWN FERTILIZER

A highly concentrated fertilizer especially adapted to Nebraska soils. It is prepared to feed the grasses and insure a thick and matty growth of rootlets, resulting in a compact and velvety turf. It contains in soluble form the organic requisites for the healthy and luxuriant growth of all varieties of grasses. Don't cover your lawn with unsightly and offensive stable manure.

To revive old grass around the house, rake off the grass and scratch the lawn with an iron tooth rake. If there are any bare places, sprinkle in a little mixed grass or lawn seed, then apply a dressing of Presto Lawn Fertilizer at the rate of 20 lbs. of fertilizer to every 1,000 sq. ft. of lawn. In seeding down new lawns, double the amount. Rake the fertilizer in or sprinkle the lawn so that the fertilizer will soak into the ground.

It is put up to suit the small front yard, the flower garden, the garden patch, or the magnificent lawn. Price: 1 lb., 10c; 5 lbs., 40c; 25 lbs., \$1.50; 100 lbs., \$5.00. by express or freight.



Kentucky Blue Grass



# SEED CORN

OUR SEED CORNS, EARLY AND LATE DENTS AND FLINTS, ARE THE BEST BRED TYPES

**GOLD MINE**—The grain is a rich golden, shining like new coin from the mint; dent, long, deep; kernel often over three-fourths of an inch long. This corn will shell more pounds to 70 pounds of ears than any corn we know of. Seventy pounds of Gold Mine on the ear will make 62 to 63 pounds of shelled corn. This is the smallest proportion of cob of any variety.

**HOGUE'S YELLOW DENT**—This corn is highly endorsed by the State Experiment Station and is one of the very best corns for Nebraska and Kansas. Ears are medium size to large, maturing in about 100 days.

**IMPROVED LEAMING**—A rich golden dent corn, good sized ears, rich in protein. Owing to the deep, bright color, smooth tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or shelled. It is a very productive sort, and because of smooth, even surface, it is much nicer to handle than the rough hackled sorts.

**CALICO**—That fine, large, variegated corn that always yields well and makes big ears. This corn always gets ripe before frost.

**WHITE CAP BUTCHER**—A medium yielder, early red corn with white cap; will mature in 85 to 90 days and be good and sound.

**IMPROVED IOWA SILVER MINE**—Silver Mine is the most popular White Corn grown in the corn belt. It is a pure white dent corn with ears of good size and is inclined to be well over the butts and tips. It is early, yields heavy, has deep grains, stands up well and will probably grow more corn to the acre on thin land any other variety. It yields enormously on heavy land.



**BABY GOLDEN POPCORN**—Smallest popcorn in existence. It is very prolific, producing from 5 to 10 ears on a single plant. The stalks do not exceed 3 feet in height and the ears from 2 1/4 to 3 1/4 inches in length. The kernels are but very little larger than a kernel of rice, of a handsome, lustrous, light golden color, and pop without leaving any hard center. Price: Pkt., 5c; 1/4 lb., 10c; lb., 35c; postpaid. 40c; postpaid.

**QUEEN'S GOLDEN**—The largest of all popcorns. The stalks grow five to six feet high, and bear two or three large ears each. It is yellow, but pops creamy and white, and of excellent quality. Price: Pkt., 5c; lb., 25c; postpaid.

### WELL PLEASED

Phelps Co., Mo., April 3, 1922.

Gentlemen: I received the seed corn last week and it is very good corn. I am much pleased with it.

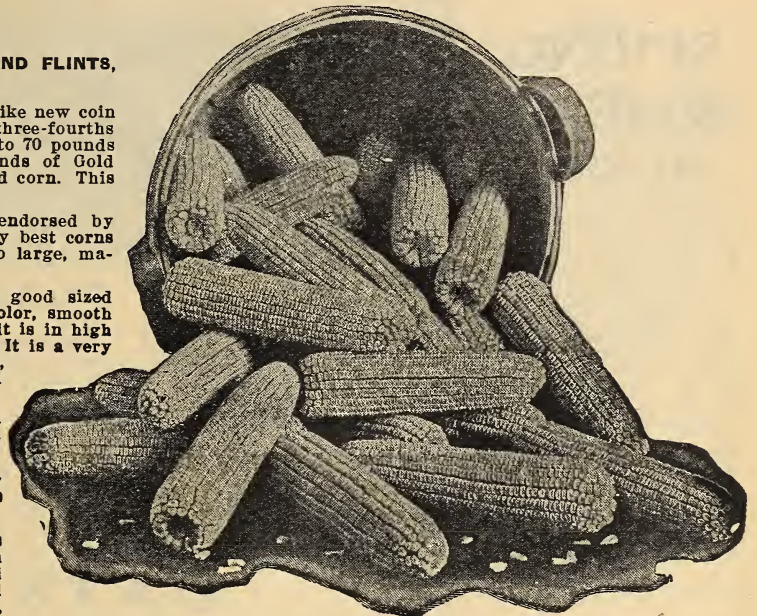
BRUNO MESCHKE.

### FINE SEED CORN

Cedar Co., Nebr., April 21, 1922.

Gentlemen I received the Gold Mine Seed Corn O. K. It is sure fine seed.

CHAS. O. BOYER.



**IMPROVED REID'S YELLOW DENT**—Has a wide reputation, and is endorsed by more experiment stations than any other corn grown. Has heavy stalks with an abundance of blades, making extra fine fodder. It will ripen in 90 to 100 days; will yield from 50 to 80 bushels per acre ordinary farming.

**PRIDE OF THE NORTH**—This is a well-known variety; beautiful, deep dented, fine golden color, 8 to 9 inches long, with small cob and very long and deep kernels. A tremendous sheller. Seventy pounds of ears will make 60 pounds of shelled corn. Stalks grow to about 7 1/2 feet, are short jointed and leafy; average distance base of ear from ground is 3 feet. Two well-developed ears are frequently found on one stalk. Yields 40 to 75 bushels to the acre. Ripens in 85 to 90 days, is hardy and vigorous.

**WHITE FLINT**—The great feature of this variety is the large grains and small cob it produces. The ears are 12 to 15 inches long, smooth and symmetrical. Kernels are broad and flinty, and white in color. White flint makes a very sturdy and vigorous growth with a great abundance of broad, succulent leaves, and is of great value for fodder and silage as well as grain.

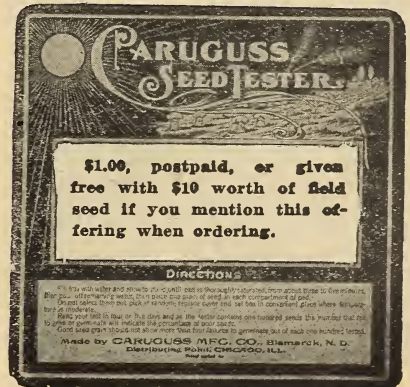
**YELLOW FLINT**—Similar to White, except color.

FOR PRICE OF ANY OF THE ABOVE SEED CORN SEE COLORED PRICE SHEET ENCLOSED.

BEFORE ORDERING A QUANTITY OF SEED CORN, WRITE US FOR PRICES.

## POP CORN

**AUSTRALIAN HULLESS**—The Quality Popcorn—Also known in some sections as Japanese Rice, Tom Thumb, or Bumble Bee Popcorn. The Australian Hulless is a dwarfgrowing corn, a heavy yielder of attractive ears, peculiar in form, being nearly as thick as long. The kernels are similar to the best strains of White Rice, only longer and slimmer and pearly white in color, but its crowning merit lies in its popping quality, fine flavor and absence of hull or shell. Most tender and delicious flavor when popped, without any hard particles, melts in your mouth. It is grown extensively for market. Price Pkt., 5c; lb., 30c; postpaid.



\$1.00, postpaid, or given free with \$10 worth of field seed if you mention this offering when ordering.

#### DIRECTIONS

Fill with water and shake thoroughly. Seed is then water-cured, then dried to the product. This process of water-curing is the best method of seed preparation and is the only method known to the world. On wet soils this seed of various crops will set and is considered good where foreign crops are grown. Place your seed in the cup and all the hard particles are broken up and the seed is purified and the hard particles are removed. The seed is then dried to the product. Good seed grain is the only one that will produce a genuine crop of each one hundred ears. Made by CAROLINE MFG. CO., STAMFORD, N. D. DISTRIBUTING POINT, CHICAGO, ILL.

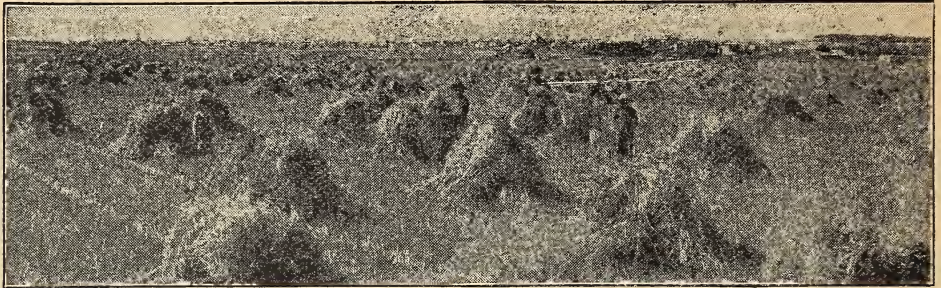


## SPRING WHEAT MARQUIS

Ten days earlier than Blue Stem or Red Fife and produces 5 to 10 more bushels per acre.

This is the wheat that won the \$1,000 prize at the New York Agriculture Exhibition against all exhibitors, representing every wheat growing section of the western hemisphere. Superior to any known variety in milling and baking qualities. Has recorded a yield of 50 bushels per acre. It was originated at the Experiment Station at Ottawa, Canada, and introduced to the public in 1906. We recommend it as the best beardless spring wheat for this latitude.

Appearance—Marquis Wheat is similar in appearance to Red Fife, but the heads, as a rule, are heavier and the straw shorter, making it less likely to lodge. The kernel is flinty, a little darker in color than Red Fife, being dark red, and more plump than that variety. It is beardless, having smooth, yellow chaff. Under certain climatic conditions a small percentage of the heads sometimes show a reversion to the Hard Calcutta parent by bearing beards. Otherwise these heads are identical with the bald heads, maturing at the same time and containing the



same size and shape of kernel. It weighs from 64 to 66 lb. to the measured bushel. For prices see colored price sheet enclosed.

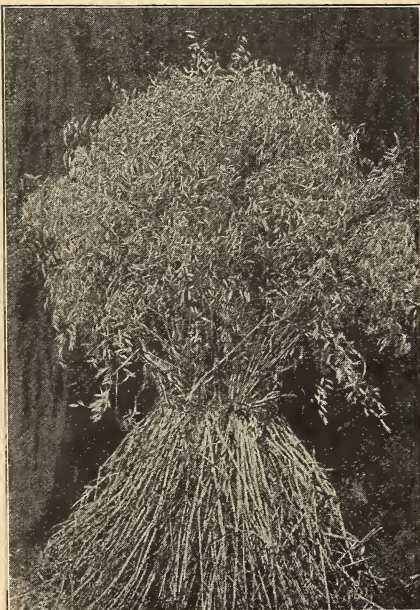
**MACARONI OR DURUM WHEAT**—Sent out by the United States Department of Agriculture under strong recommendation as to its great value for semi-arid lands where good crops of spring wheat could not ordinarily be produced, has more than justified every claim made for it. The acreage of this variety is increasing every year in spite of the opposition of some millers. It outyields by far any other variety of spring wheat, and it has been demonstrated that it makes bread superior to that made from the best Fife Wheat flour, and has proved to be practically immune to the dreaded rust. In growing it resists extremes of weather which no other wheat will endure. For prices see colored price sheet enclosed.

## OATS

### KHERSON OATS

Known as University Oats No. 1

Kherson Oats, when ripe, are a beautiful yellow in color. They have fine large sprangles or full heads. The leaves are broad and extend nearly to the roots. They are a good yielder under favorable conditions. They do much better than many other varieties in dry seasons, giving a fair crop when other varieties yield hardly 10 bushels to the acre. This variety is especially adapted to soils where others would lodge, as it has a short, stiff straw, bearing grain nearly one-half its length. It is an immense yielder and on account of its earliness usually escapes rust when other varieties may be entirely ruined. Kherson Oats ripen with barley and the extra early wheats, hence make splendid succotash mixtures when grown together. We have a fine lot of Kherson Oats for seed. For price see colored price sheet enclosed.



University No. 21

### UNIVERSITY NO. 21

Hardy and good yielder. Largest yielder in Nebraska, 80 to 118 bushels to acre; 2 to 3 weeks earlier than common oats. Has superseded all other types in this state.

The Nebraska Experiment Station in Bulletin No. 160, says: "Strain No. 21" ranked first in yield. Its yield was 7.8 bushels per acre greater than the original Kherson Oats as an average for the four-year period. The consistent superiority in yield of strain No. 21 in the field plats as well as the nursery indicates a marked improvement over the original Kherson Oats. The white color would also give it an added value on the general market."

Being an extremely early variety it is of almost incalculable value as a nurse crop; keeping the land clean; rendering early harvesting; maturing before extreme heat; permitting of growing late sowing crops; kernel is slender, plump and white. Very high in nutritive value. No better oat on earth for rich, heavy soils. Grand oat for light soils. In fact, it is a genuine money maker.

Our seed has been obtained from the original No. 21 oat as sent out by the Nebraska Experimental Station. For price see colored price sheet enclosed.

### SWEDISH SELECT OATS

Swedish Oats have given such general satisfaction that we know many will still adhere to this favorite. One reason for its enormous yields is its "three-kernel feature." It has been bred and selected to produce three kernels to the pod. The grain is short and plump and very heavy, of clear white color. The stock we offer is pure and clean, entirely free from any weed seed or seed of any other oat or grain. They are also acclimated to American conditions of soil and climate, and for this reason give much better results. At an extra cost of but a few cents per acre you can increase your yields 25 to 50 per cent just as well as not, by using our seed. For price see colored price sheet enclosed.

### BARLEY

**WHITE HULLLESS**—A valuable variety, has large heads, plump kernels, both hullless and beardless and looks like large white wheat. Is two or three weeks earlier than any other barley and an immense yielder. Stools wonderfully. Sow only 1½ bushels per acre. For price see colored price sheet enclosed.

**COMMON**—Succeeds best on lands more sandy and lighter than those adapted to wheat. Sow from 2 to 2¼ bushels per acre. For price see colored price sheet enclosed.

**MANDSCHEURI**—It is an early six-rowed bearded variety, maturing 80 to 90 days from the time of sowing; is very strong strawed and stools well, bearing large heads of plump grain; adapted to all kinds of soil and climate. For price see colored price sheet enclosed.

**CHAMPION**—It is beardless and nice to handle. Grows tall and stands up well. Straw is good and grows taller than any other variety. For price see colored price sheet enclosed.

Prices of Field Seeds Subject to Market Changes



### KAFFIR CORN

This is the most excellent plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight upward growth. The stem, or stalk, bears numerous wide leaves. The stalks keep green and brittle and juicy, making an excellent fodder either green or dried. The seed is fine chicken feed. It also seeds heavily, sometimes yielding 60 bushels to the acre. For fodder sow one to two bushels either broadcast or in drills. For price see colored price sheet enclosed.

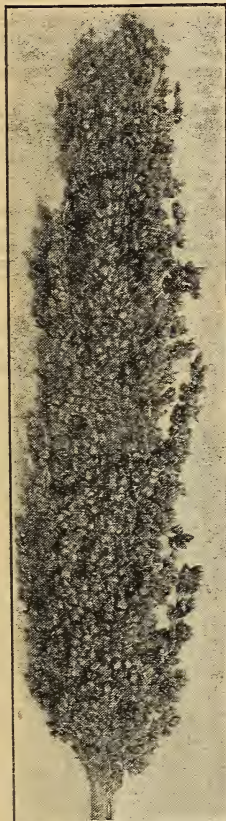


Kaffir Corn

### CANE OR SORGHUM

**FEEDING VALUE**—It is known quite definitely that an acre of sorghum will produce more food value, more pounds of beef or pork, when properly fed, than an acre of corn. The main use of the crop, however, is for a winter supply of forage, and it has this advantage over corn or any other kind of grain, that it can be sown late. It furnishes fodder in 70 to 90 days and matures seed in about 100 days.  
**TIME TO SOW**—Sorghum may be put in almost any time up to the middle of July. June is the best time.

**HARVESTING**—Harvest as late as possible to avoid hard frost, in order that the fodder will retain its sweetness and succulence. When sown broadcast cut with a mower and allow to dry for a week or ten days, after which it may be put in shocks weighing about 500 pounds and allowed to stand until fed. For price see colored price sheet enclosed.



Cane or Sorghum

### FETERITA

Similar to Milo Maize and Kaffir Corn in general habit. It matures earlier than either, however, and the grains are somewhat larger and softer. It is also said to be more prolific, yielding thirty to fifty bushels of grain per acre, and suitable for feeding most any kind of live stock. It is especially recommended in the semi-arid regions of the West, or upon poor soil where ordinary Indian Corn will not produce a profitable crop. It matures a crop in 70 days—about three weeks earlier than Kaffir Corn. For price see colored price sheet enclosed.

### SCHROCK KAFFIR-SORGHUM

Stocky growth about 4 feet high, very heavy leafy foliage, very wide leaves, juicy, soft, sweet stalk. Erect heads, Kaffir-shaped; seeds deep orange, larger and softer than White Kaffir. All seed heads rise to about same level, making easy topping. Suckers from roots, each sucker bearing large head; main stock side branches at leaf joints, each shoot bearing seed head. Stays green and bearing new heads till killed by frost. Largest yielding, surest dry weather grain producer known. The stalks and heads never break nor lodge and seed never shatters, no difference how long left in the field. Owing to tightness of the hull, birds do not trouble it as they do the other varieties. Threshes out fairly free of caps. Any live stock with teeth and hoofs greedily eat every particle of the plant. Has record of 70 bushels per acre without irrigation.  
 Dry grain has same feeding value as White Kaffir and like White Kaffir for best results should be either ground or fed in the head.  
 Finest of poultry feed. Makes best silage in the world because of soft, sweet stalk and immense amount of leaves and grain. For price see colored price sheet enclosed.

### MILO MAIZE

Milo Maize is an excellent grain for dry regions. It will yield 15 bushels to the acre under conditions so dry that corn will be a total failure. When fed with some succulent feed such as alfalfa, stock beets or sorghum, it makes fine feed for fattening cattle. To prevent waste milo should be fed in heads or ground. Plant 4 to 6 pounds per acre in rows and cultivate. For price see colored price sheet enclosed.

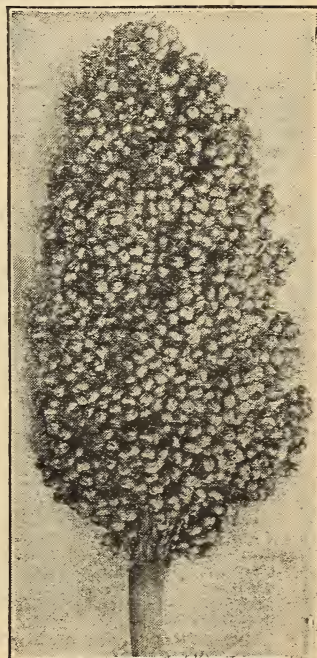
### SEED FLAX

It will pay you to sow nice, pure, high-grade flax seed. Our seed is thoroughly re-cleaned, free from mustard or any other weed seed and is as good as can be purchased anywhere. One of the most profitable crops, especially on new land. For price see colored price sheet enclosed.

### TEOSINTE

2 1/2 TONS GREEN FODDER PER ACRE

It resembles corn somewhat in appearance, but the leaves are much longer and broader and contain sweeter sap. It suckers more than any other forage plant, generally producing 20 to 30 stalks from one kernel of seed, and growing to a height of 11 feet. Can be cut two to five times in one season when 2 to 3 feet high and used for green fodder, or it can be dried and makes a magnificent fodder for cattle during the winter months. For price see colored price sheet enclosed.



Milo Maize

## WRITE FOR QUANTITY PRICES ON FIELD SEEDS

We sell these seeds according to market prices the day you buy. As soon as you are ready to buy, write us what you want and we will quote lowest price and give freight or express rates to your station.





German Millet

vent its going to seed. In actual field tests made some years ago on heavily manured ground it made green forage at the rate of 95 tons per acre in 135 days. No other forage plant has ever come up to that record. Relished by all kinds of stock and they eat it greedily. It ought to be grown on your farm. Sow thinly in rows 3 feet apart at the rate of 8 to 10 pounds per acre. For price see colored price sheet enclosed.

## MILLETS

Fine hay of excellent feeding value. Much used as a catch crop. Ready to cut in 45 to 65 days.

**GOLDEN MILLET**—This grows very rank and is one of the best varieties for hay on account of being so sweet, palatable and milk-producing. On good, rich soil it will make a growth of 4 to 5 feet, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily. Sow three pecks per acre. For price see colored price sheet enclosed.

**SIBERIAN**—(Also called Red German, Dakota and Early Russian Millet.) It is from two to four weeks earlier than Golden Millet, and can be cut for hay in 60 days from planting. It stools heavily. Sow  $\frac{1}{4}$  bu. broadcast or  $\frac{1}{2}$  bu. in drill to the acre for hay, on rich land. For price see colored price sheet enclosed.

**WHITE WONDER MILLET**—The most striking feature of the White Wonder Millet is the size of the heads. The heads will run from eight up to eighteen inches and a single head will have as many as 15,000 seeds. Another very desirable feature of White Wonder Millet is its earliness. This variety is much earlier than Golden Millet but not quite as early as the Siberian variety. The foliage is very heavy, the leaves broad, and therefore it produces an immense amount of excellent fodder which cures very rapidly. For price see colored price sheet enclosed.

**HOG MILLET**—The seed is very rich and thus especially valuable as a hog food. Seed also makes very fine feed for poultry and young chicks. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green, thus if cut promptly can be threshed for the seed, while the hay after being threshed, will make excellent fodder. Sow same as other millet. For price see colored price sheet enclosed.

**JAPANESE BARNYARD MILLET**—(Called "Billion Dollar Grass," owing to its high value. Its greatest value is for green fodder, of which it yields 3 to 5 tons per acre. It is excellent for cows, producing more milk than corn fodder. It grows 6 to 8 feet high, and produces 50 to 90 bushels of seed per acre. It should be sown the latter part of May. 10 pounds per acre. For price see colored price sheet enclosed.

**PENCILLARIA or PEARL MILLET**—Greatest and best yielder of green forage and continues to grow and produce through the entire season if cut frequently enough to prevent its going to seed. In actual field tests made some years ago on heavily manured ground it made green forage at the rate of 95 tons per acre in 135 days. No other forage plant has ever come up to that record. Relished by all kinds of stock and they eat it greedily. It ought to be grown on your farm. Sow thinly in rows 3 feet apart at the rate of 8 to 10 pounds per acre. For price see colored price sheet enclosed.

## BUCKWHEAT

**JAPANESE**—This sort has proven to be much earlier and more productive than any other variety. The grains are very large and of rich, brown color. It excels in yield and earliness. For price see colored price sheet enclosed.

**SILVER HULL**—A very good and popular variety. The grain is of light color, is rounder than the common variety, matures earlier, and yields a half more to the acre. For price see colored price sheet enclosed.

## SPELTZ OR EMMER

It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or shock. It is a splendid feeding grain, in our opinion second only to corn, and in dry or cold sections where corn will not mature, Spelts will be the very best live stock feed that can be produced. For price see price sheet enclosed.

## BROOM CORN

46 POUNDS TO THE BUSHEL

**OKLAHOMA—DWARF**—Possesses several features of merit which place it at the head of others, viz.: Its earliness, dwarf habit (5 feet high), robust growth, extreme productiveness, long, well-fibred brush and its ability to resist drought. For price see colored price sheet enclosed.

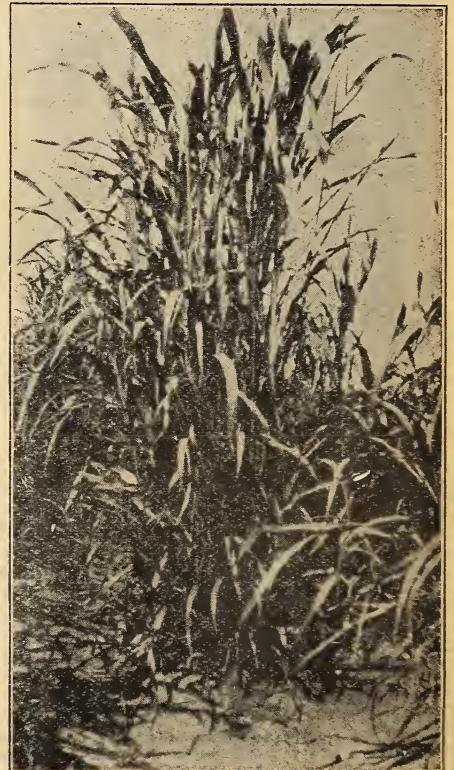
**IMPROVED EVERGREEN**—The best variety for general cultivation on account of color and quality of brush. For price see colored price sheet enclosed.

## SUDAN GRASS

The Greatest Drought Resister Known. A new forage crop of immense value to farmers. Sow in drills 4 to 5 lbs. per acre; broadcast, 20 to 25 lbs.

It is a tall annual grass, growing under favorable conditions to a height of 6 to 10 feet, but when broadcasted thickly it grows only 3 to 5 feet high. The stems are fine, the largest stalks seldom thicker than a lead pencil. Where the plants are scattered, they stool abundantly, as many as 100 stalks from a single root.

The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of live stock. Will ordinarily yield two cuttings of hay in a season. The hay should be cut as soon as the grass is fully headed. Two or more cuttings per season can be made, and the yield is from two to four tons per acre. The quality of Sudan Grass hay is superior to Millet hay and is said to be about equal to Timothy. Will grow on practically all soils and can be used as a catch crop, same as Millet. Sudan Grass is strictly an annual and dies each year like Millet. For price see colored price sheet enclosed.



Sudan Grass

## PLANT A BIG HOME GARDEN IN 1923

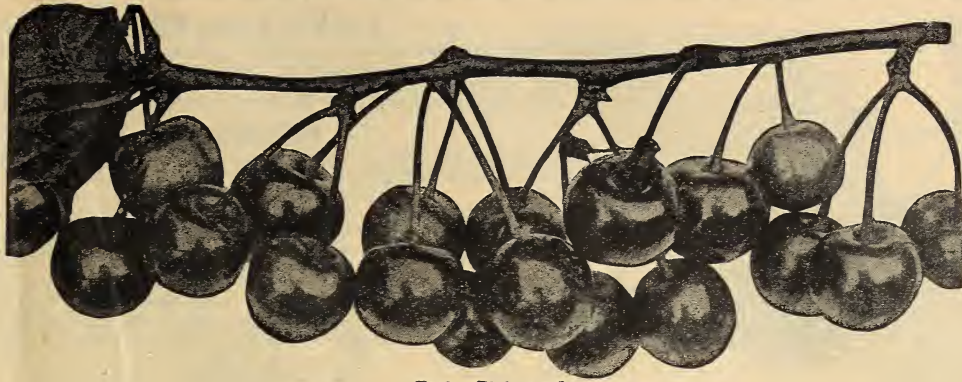
Money-saving and health-saving are both worth while and the right kind of a good home garden with a dozen or more kinds of vegetables in it is both a money and health saver.

Give the 1923 garden a square deal and see what it will do for you in both money and health saving. A full Home Garden is absolutely necessary this year.

You will find the home garden the most valuable land on your place. Keep it producing.



Buy  
Good  
Trees



Early Richmond

Send  
Your  
Orders  
Early

## Nursery Department

### FRUIT TREES AND PLANTS BY MAIL

This year all our trees and plants will be sent by Parcel Post. Smaller sized trees are easier to transplant than the larger ones. Another thing, fruit trees are high in price and express rates are also high, so there is a saving from many angles by sending out the smaller sized trees by Parcel Post.

The trees and plants will be delivered right to your door with all charges paid. By having them come this way, it will save you the trouble of having to go to town right in the busy season as you would have to do if you bought larger trees and had them come by express or freight.

The trees will be well rooted, sound and healthy, and of 3 to 4 feet sizes.

Our nursery stock is all inspected by the State Entomologist and must be free from all insects and diseases before it can be sold. A certificate to this effect accompanies each shipment. We guarantee our trees to give you satisfaction in so far that if they are not satisfactory upon arrival you can return them immediately at our expense.

### CHERRIES

**EARLY RICHMOND** (English Pie Cherry)—A well known old standard variety. Tree is hardy, healthy, a free grower, very productive and regular in bearing. Fruit clear bright red, of medium size, acid, rich and one of the best for canning and for pies. Ripens in June.

**MONTMORENCY**—Large, red, rich and acid. Very hardy and productive. It belongs to the Richmond class and besides ripening ten days to two weeks later, there is little difference between the two.

### APPLES

**GRIME'S GOLDEN**—Tree vigorous. Fruit above medium regular surface rich golden yellow; flesh yellow, flavor rich and spicy, slightly acid. Specially good for early winter. Season November to January.

**DELICIOUS**—Fruit is large, with the surface almost covered with a most beautiful brilliant dark red, blending to golden yellow at the blossom end. In quality it is unsurpassed, in flavor sweet, slightly touched with acid, but only enough so as to make it all the more pleasing, with an aroma delightfully fragrant. The flesh is fine-grained, crisp, juicy, melting and withal delicious. In keeping quality it ranks with the best, coming out of storage in March and April in perfect condition. Tree is very hardy. Is no more an untried novelty, but has been largely planted in the Middle West and Pacific states. Commercial orchardists plant them by the thousands.

**JONATHAN**—A delicious dessert apple. Fruit good size, surface a brilliant red; flavor rich and spicy, slightly acid. Specially good for early winter; very hardy and productive. Season November to January.

**OLDENBURG** (Duchess)—Fruit large striped, beautiful, quite juicy, mild sub-acid, or almost tart; tree a good bearer, with upright head, requiring little or no pruning; very hardy. Indispensable north and west, good south, and favor its east. One of the best for culinary use, being particularly well adapted for cooking and drying. July and August.

**RED JUNE**—Size medium oblong, very red. Flesh white, tender, juicy, sweet, acid with a fine flavor. Quite early and keeps well for a summer apple. Tree very hardy, bearing young and abundantly.

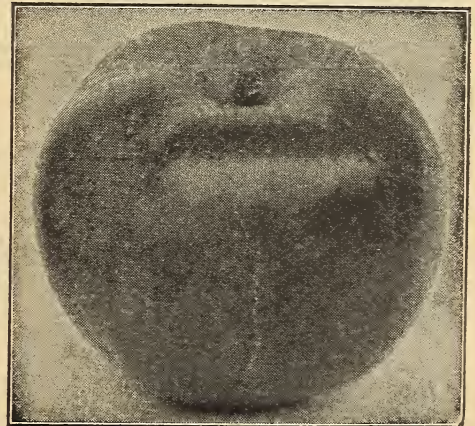
**WEALTHY**—Originated by the late Peter M. Gidion. A vigorous spreading grower, very productive and hardy. Fruit above medium to large, oblate, very regular, smooth, light yellow, almost wholly covered with bright red splashes and stripes. A beautiful fruit. Flesh white, often stained with red, tender, very juicy, slightly sub-acid, very good for table use and cooking. A splendid and profitable market sort. Season October to February.

**WINESAP**—A valuable, well-known variety. One of the leading export apples, fruit medium, roundish, skin moderately thick and tough. Dark red with yellow; flesh very rich and firm. Season December to January.

**YELLOW TRANSPARENT**—One of the earliest apples. Fruit is medium large, smooth, transparent. Skin is clear white turning pale yellow when ripe. Flesh white, fine grained, aromatic, and of splendid quality. Tree is vigorous, good bearer. Its hardness, vigor and early bearing commend it. Ripens in early August.

### COMPASS CHERRY-PLUM

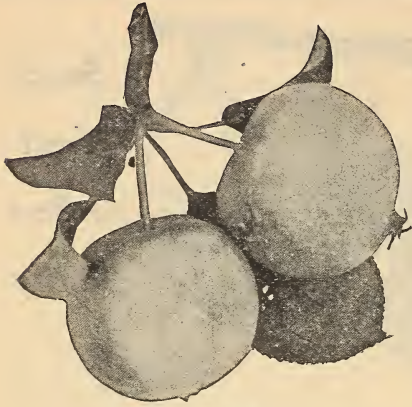
Absolutely hardy everywhere. The cherry was originated in Springfield, Minnesota, being a cross between the sand cherry and the minor plum. The fruit is nearly an inch in diameter, a bright red, sweet and juicy, and a very fine flavor. When young and green, the fruits look more like undeveloped plums, but as they mature, they become round like a cherry. The pit is somewhat elongated; the color of the fruit is bright red; when fully ripe, a dark wine shade. In general appearance it looks more like a plum than a cherry. We recommend this cherry to be planted wherever it is hard to raise fruit of any kind for this tree will bear good fruit when others fail. It is a good fruit either fresh or canned and very few would be disappointed with it. The original tree bore fruit the third year from seed and has borne a full crop ever since. The tree is a regular and a heavy bearer and produces fruit the next year after setting out. It is hardy as an oak.



Wealthy

FOR PRICES OF FRUIT ON THIS PAGE, SEE PAGE 40





Whitney No. 20

**ELBERTA (Free)**—The great market peach is believed by many growers to be the best all around peach; color lemon-yellow with bluish on sunny side; flesh pale yellow, tender and juicy; tree vigorous; a good shipping peach.

**HANSKA**—(Sioux Indian word for "tall"). A cross between a native Plum and the fine Apricot Plum of China. Fruit large; bright red with heavy blue bloom; flesh firm, yellow and very fragrant. Splendid for eating fresh and preserving.

**OPATA**—(Sioux Indian word for "Bouquet"). A cross between the western Dwarf, Rocky Mountain Cherry and Gold Plum. Fruit large, dark purplish-red with blue bloom; flesh green and firm. Excellent for eating and cooking. Very productive. Ripens first of August.

**SAPA**—(Sioux Indian word for "Black"). Introduced in 1908. Fruit dark purple; flesh rich, dark red. On account of its fine flavor, rich coloring, productiveness and early bearing, Sapa is one of the most popular of the Hansen Hybrids.

## OUR FRUIT TREE PRICES

PRICES ARE POSTPAID

	Size	Per 1	Per 10		Size	Per 1	Per 10
Apples	3-4 ft.	\$0.50	<del>\$4.50</del>	Compass Cherry	3-4 ft.	\$0.90	\$8.50
Crab Apples	3-4 ft.	.50	4.50	Peaches	3-4 ft.	.50	4.50
Apricots	3-4 ft.	.75	7.00	Pears	3-4 ft.	.85	8.00
Cherries	3-4 ft.	.85	8.00	Plums	3-4 ft.	.85	8.00

## BLACKBERRIES

Plant in rich soil and a little shade, among trees, or on north side of trees or fence, if possible. Of all the varieties tested, the Snyder has proven the hardest.

**SNYDER**—Medium size sweet and good, strong grower, production extremely hardy; fully proven its value. After all the experience we have had with blackberries we are thoroughly convinced that this is the berry for the West and Northwest. Should be universally planted. Prices: 15c each; 6 for 75c; \$1.25 per doz.; postpaid. By express, \$1.00 per doz.; \$7.00 per 100.



Blackberries, Snyder

## RASPBERRIES

It is difficult to transplant one year plants. Two year plants transplant easily and are cheapest in the end. Plant on strong soil, manure freely, cultivate well, and mulch heavily. Moisture must be retained in order to grow raspberries successfully. Strong, well rooted plants.

## RED RASPBERRIES

**LOUDON**—The hardest and most productive of red varieties, very large and of the best quality. Price: 12c each; 6 for 50c; 90c per dozen; postpaid. By express, 75c per doz.; \$5.50 per 100.

## BLACK RASPBERRIES

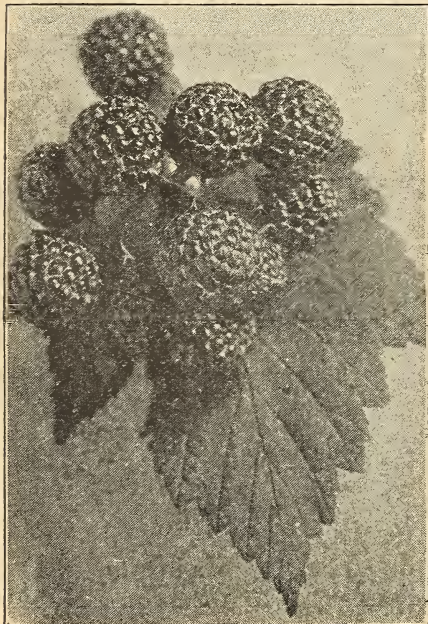
**CUMBERLAND**—Largest black raspberry known. Perfectly hardy and vigorous grower. For productiveness nothing exceeds it. In quality rich, sweet and luscious, a mid-season variety. Price: 12c each; 6 for 50c; 90c per doz.; postpaid. By express, 75c per dozen.

### PROUD OF THEM

Cloud Co., Kans., June 14, 1922.

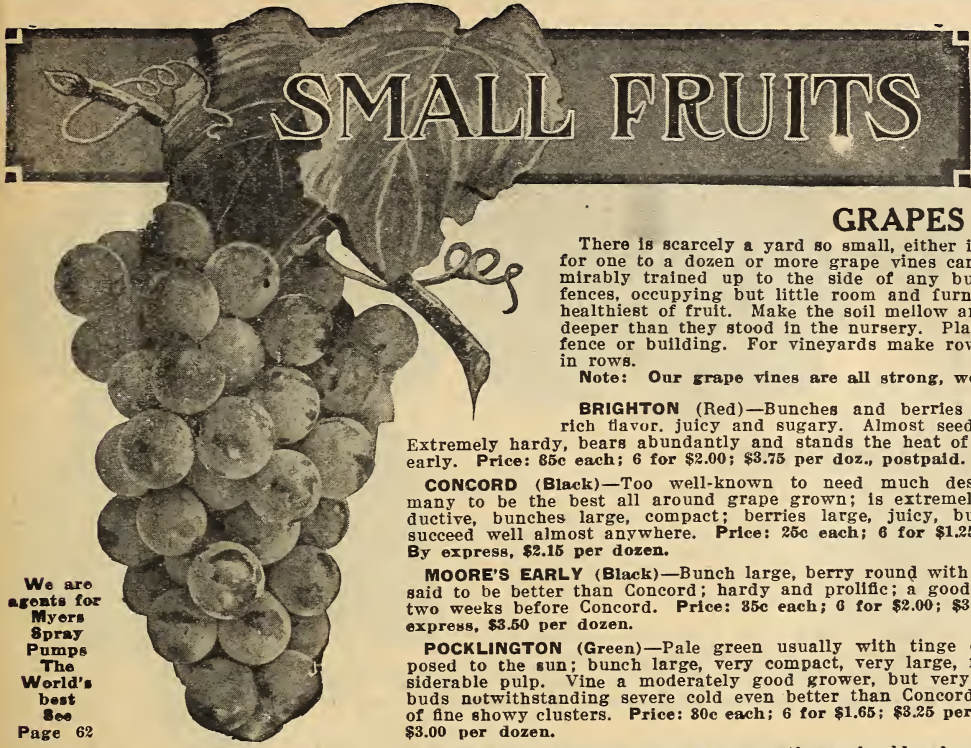
Gentlemen: Received all my trees and plants all O. K., and they were in fine shape when received. Will say you put your trees and plants up awfully nice. They were moist and green when received and were not wilted a bit. My trees are all out in leaf and I am proud of them.

MRS. E. E. ERHART.



Raspberries, Cumberland Black





# SMALL FRUITS

FOR  
MILDEW  
USE  
GRAPE  
DUST  
Page 65

We are  
agents for  
Myers  
Spray  
Pumps  
The  
World's  
best  
See  
Page 62

## GRAPES

There is scarcely a yard so small, either in country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up to the side of any building or along the garden fences, occupying but little room and furnishing an abundance of the healthiest of fruit. Make the soil mellow and plant the vines somewhat deeper than they stood in the nursery. Plant about 8 feet apart by the fence or building. For vineyards make rows 8 feet apart, 6 to 10 feet in rows.

Note: Our grape vines are all strong, well rooted plants.

**BRIGHTON (Red)**—Bunches and berries large, dark red color, fine rich flavor. Juicy and sugary. Almost seedless pulp, quality very fine. Extremely hardy, bears abundantly and stands the heat of summer well. Ripens extra early. Price: 85c each; 6 for \$2.00; \$3.75 per doz., postpaid. By express \$3.50 per dozen.

**CONCORD (Black)**—Too well-known to need much description; is considered by many to be the best all around grape grown; is extremely hardy, vigorous and productive, bunches large, compact; berries large, juicy, buttery and sweet; and will succeed well almost anywhere. Price: 25c each; 6 for \$1.25; \$2.40 per dozen; postpaid. By express, \$2.15 per dozen.

**MOORE'S EARLY (Black)**—Bunch large, berry round with a heavy blue bloom, quality said to be better than Concord; hardy and prolific; a good market berry; ripens about two weeks before Concord. Price: 35c each; 6 for \$2.00; \$3.75 per dozen; postpaid. By express, \$3.50 per dozen.

**POCKLINGTON (Green)**—Pale green usually with tinge of golden yellow where exposed to the sun; bunch large, very compact, very large, flesh juicy, sweet, with considerable pulp. Vine a moderately good grower, but very healthy and very hardy, it buds notwithstanding severe cold even better than Concord. It produces a heavy crop of fine showy clusters. Price: 30c each; 6 for \$1.65; \$3.25 per doz.; postpaid. By express, \$3.00 per dozen.

**WORDEN (Black)**—Bunch large, sometimes shouldered, compact; berries very large, skin thin. Ripens 5 to 10 days earlier and fully equals Concord in vigor and productivity. Price: 30c each; 6 for \$1.65; \$3.25 per doz.; postpaid. By express, \$3.00 per doz.

### RAISE POULTRY ON THE FARM

Absolutely every single farm in this country ought to have a yard full of poultry: Chickens, ducks, turkeys, guineas or geese, or all of them. Do you have fried chicken and fresh eggs regularly?

### ALL KINDS OF PRUNING SHEARS

LISTED ON PAGE 67

## CURRENTS

Hardy, easily cultivated, stand neglect well, liberally responds to cultivation; indispensable for jellies, etc. Set four feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears dust with He-Bo.

**CHERRY**—Berries sometimes more than half an inch in diameter, bunches short, vigorous and productive when grown on good soils and well cultivated.

**FAY'S PROLIFIC**—The leading market variety; bunches and berries large and uniform in size, easily picked; exceedingly productive.

**WHITE GRAPE**—Very large, yellowish white, sweet or very mild acid. Excellent quality and valuable for the table. Productive.

**WILDER**—One of the strongest and most productive. Bunch and berries very large, bright, attractive red color, even when dead ripe; hangs on bushes in fine condition or handling until very late. A valuable market sort.

Prices: All currants, 35c each; 6 for \$2.00; 3.75 per doz.; postpaid. \$3.50 per dozen, by express.

## GOOSEBERRIES

Plant in good rich soil in rows 5 feet apart by 3 feet in the row, and give a liberal dressing of manure every season. Pruning every year is essential for the production of fine fruit. The English varieties do the best in partial shade and should be heavily mulched.

**DOWNING**—An old and well-known variety. Fruit large and handsome, pale green, of fine quality. A strong, vigorous grower, seldom affected by mildew. One of the best. Price: 35c each; 6 for \$2.00; \$3.75 per doz.; postpaid. \$3.50 per dozen, by express.

## EVERBEARING RED RASPBERRIES

**ST. REGIS**—Plants set early in April gave berries June 20th of same year, and continued to produce ripe berries freely until the middle of October. In addition to the bright crimson color and large size of the fruit, it is so firm and rich in sugar that it will stand shipping 200 miles, can readily be kept in perfect condition for several days after being gathered. It succeeds upon all soils, and the canes are absolutely hardy. Price: 15c each; 6 for 85c; \$1.25 per doz.; postpaid. By express, \$1.00 per doz.; \$6.50 per 100.



Raspberries, St. Regis Everbearing





GOOD GARDENS CUT  
STORE BILLS

## STRAWBERRIES

The Strawberry has been styled the queen of fruits. It is the first to ripen and the quickest to come into bearing.

These should do well in any ordinary farm or garden soil. The ground should be well prepared. For field culture set in rows three feet apart, and from 12 to 15 inches in the row. For garden 15 inches apart each way. In winter a covering of straw or old hay will protect the plant. Do not cover until the ground is frozen. Strawberry plants cannot be shipped by freight to distant points, but should go by express or parcel post to insure safe arrival.

**SENATOR DUNLAP.** Medium Early, Perfect—This is the most popular strawberry in all sections of the United States. It produces immense crops of dark red, top-shaped berries of medium size to large size. Few varieties bear fruit of such uniform size and color. Stands universally as a leading commercial strawberry and succeeds equally well all over the country. Price: 25c doz.; \$1.25 per 100, postpaid. By express, \$1.00 per 100; \$3.50 per 1,000.

**BRANDYWINE.** Very Late, Perfect—Blood red, great yielder of large, round berries, fine quality, having a delicious flavor; makes plenty of good, strong well-rooted plants. If you are looking for a No. 1 canning berry or for table use, we would recommend the Brandywine. A good shipper.

Price: 30c per doz.; \$1.50 per 100; postpaid. By express, \$1.25 per 100; \$10 per 1,000.

## EVERBEARING STRAWBERRIES

Strawberries that yield fruit continually from May until frost have been known for a long time. The new cultivated sorts were originated by cross-pollinating these wild everbearing Alpine sorts with our standard varieties and combining the everbearing habits of the one parent and the size and quality of the other.

**PROGRESSIVE**—Considered by many as the best of the fall bearing varieties. The plants are vigorous and healthy and they multiply all they ought to. The berries are about an inch in diameter, uniform in size, of deep crimson color, very firm and of high quality. It begins to bear with the second early of the June varieties, yields then a heavy crop of nice berries and is really profitable for its June crop alone. It continues bearing all summer, though not as heavy, of course, and with favorable weather a good crop in the fall, when the weather gets cooler again. Price: 50c per doz.; \$2.25 per 100; postpaid. By express, \$2.00 per 100; \$17.50 per 1,000.

**SUPERB**—Probably the largest of the fall bearing varieties. They are nearly round, smooth, dark, crimson, glossy and of sweet, mild flavor. The plants grow well, with clean, dark green leaves; multiply freely. It yields so heavily and the berries are so fine, it is a profitable variety to grow for its June crop alone and it is one of the most prolific and best as a cropper in autumn. Plants set in the spring will produce a fine crop of fruit the first year, provided the blossoms are kept picked until the middle of July. Price: same as Progressive.

### WELL PLEASED

Nacogdoches Co., Tex.,  
May 2, 1922.

Dear Friends: I received my  
Strawberry Plants and was  
sure proud of them. They are  
growing pretty.

MISS BERTHA THOMPSON.



Progressive



Dunlap



# ORNAMENTALS

## Griswold's Flower Seeds

### General List of Annuals

In this department we include both annuals that bloom and die the first year, and such perennials as flower freely the first year. For Perennials, see pages 54 to 56.

### Flower Seed—All Prices Postpaid

**GENERAL CULTURE**—A rather light and moderately rich soil thoroughly spaded, is most desirable. That the tiny seedlings may be seen and the weeds removed, it is better to plant all flower seeds in rows. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press soil firmly over the seed. Keep covered with cloth or paper till sprouts appear. The soil should never become dry after the seeds have been swelled, for if it does, they will be pretty sure to fail. Do not grow the plants too thick; keep the weeds down and the surface of the soil well stirred with a hoe or rake during the summer, especially if the weather is dry. A great many varieties can be sown in the house, if desired, early, and afterwards transplanted. Most plants will continue to bloom much longer if the flowers are picked, and not allowed to form seed. **Discount: Any 6 of our Large 5c Packets for 25c.**

**ASTERS**—One of the most popular flowers for late summer and fall display. Sow seed early in deep soil with plenty of mulch.

**Hohenzollern**—Improved. The flowers are very large and double with curled petals on long stems, very graceful; mid-season to late blooming. White, light blue, dark blue, pink, lavender, purple or mixed. Pkt., 10c.

**Giant Comet**—A beautiful, distinct variety, resembling chrysanthemums. White or mixed colors. Pkt., 10c.

**Queen of the Market**—The best early aster flowering two weeks earlier than the other varieties. White, pink, blue or mixed. Pkt., 5c.

**Branching**—Large, late-blooming, with long, strong stems. Purple, pink and mixed. Pkt., 5c.

**Betteridge Quilled**—Flowers large, freely produced, and of brilliant colors; height 12 inches. Mixed colors. Pkt., 5c.

**Chrysanthemum Dwarf**—Early flowering; 9 inches high. Good sized flowers, free bloomer. Mixed colors. Pkt., 5c.

**Peony Perfection**—Large and perfectly double, with beautiful curved petals, giving flowers a globular form. Mixed colors. Pkt., 5c.



Cosmos (see page 44)



Asters

Early Fine. Mixed. Pkt., 5c.

Started Plants—Mixed. Per doz., 25c; postpaid.

**ABRONIA (Sand Verbena)**—6 inch. Sweet scented trailing plants rosy-lilac flowers, borne in clusters. Suited for rockeries. Pkt., 5c.

**ACROCLINUM**—2 foot. Daisy-like everlasting flowers; pink, white or mixed. Pkt., 5c.

**AGERATUM**—5 inch. One of the best border flowers, blooming all summer; of easy culture. Grows 5 inches high. Blue, white or mixed. Pkt., 5c.

**AGROTEMMA COELI (Rose of Heaven)**—1 foot. Attractive pink blossoms on long, slender stems. Pkt., 5c.

**ALYSSUM**—5 to 10 inches. Profuse bloomer, good for bordering or for bouquets; fine for window boxes. Sow very early.

**Sweet**—Fragrant white flowers. The old favorite. Pkt., 5c.

**Little Gem**—Dwarf and compact. Good for border. Pkt., 5c.

**Carpet of Snow**—Very dwarf trailing plant. Pkt., 5c.

**AMARANTHUS (Tricolor Splendens—Joseph's Coat)**—2½ feet. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil. Pkt., 5c.

**ANTIRRHINUM (Snapdragon)**—Dark glossy leaves and beautiful spikes of flowers, with finely marked throats; one of the most showy border plants. Of easiest culture.

**Queen of the North**—Large, fragrant white flowers. Nice for pot culture as well as borders. Pkt., 5c.

**Tall Sorts**—18-inch. Mixed. All sorts of red and yellow; best for cutting. Pkt., 5c.

**Dwarf Sorts**—8-inch. Mixed. Large variety of colors; best for edging. Pkt., 5c.

**BALSAM**—Sometimes called "Touch-Me-Not" or "Lady's Slipper." A tender annual growing about eighteen inches tall in the shape of a small tree and producing all along the branches showy single and double flowers like small roses. Should be grown in rich soil.

**Camellia-Flowered**—The best of all Balsams. Flowers very large, perfect in form, double and produced in abundance. Mixed colors. Pkt., 5c.

**BACHELOR'S BUTTON**—(See Centaurea Cyanus, page 44, and Globe Amaranth, page 45.)

**BEGONIA**—The flowers, although small, are of brilliant color and borne in great profusion from summer to fall. Mixed colors. Pkt., 10c.

**BRACHYCOME (Swan River Daisy)**—A free blooming, dwarf growing annual, covered during the greater part of the summer with a profusion of daisy-like flowers. Suitable for edgings, summer beds or pot culture. Mixed. Pkt., 5c.

**BUTTERFLY FLOWER**—(See Schizanthus, page 48.)



Sweet Alyssum



**CASTOR BEAN**—See Ricinus, page 48.

**CACALIA** (Tassel Flower or Florist's Paint Brush)—A very attractive border plant growing to a height of about 2 feet. The brilliant orange-scarlet flowers are much prized for bouquets and vases. Pkt., 10c.

**CALENDULA**—The old "Pot Marigold". A very hardy annual with double yellow flowers, like double daisies. Blooms all summer and grows about 15 inches tall. Mixed colors. Pkt., 5c.

**CALLIOPSIS**—Very hardy and showy annual with bright yellow and reddish brown single daisy-like flowers easily grown and useful both for garden decoration and cutting. Sow early and thin to 6 inches apart. Mixed colors. Pkt., 5c.

**CANNA** (Indian Shot)—Stately plants with handsome foliage and showy flowers. The seeds should be soaked 24 hours in warm water before planting. If sown in February, should bloom in July.

**Crozy's Dwarf Hybrid**—Saved from best and largest flowers only. All colors. Pkt., 5c.

**CELOSIA** (Coxcomb) (*Cristata*)—Very popular annuals of easy culture producing large ornamental comb-like heads like ruffled chenille.

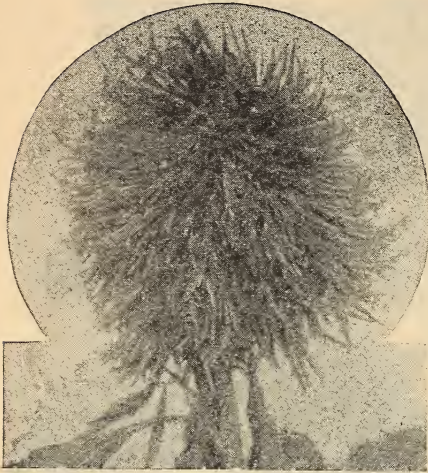
Tall Varieties—Mixed. Pkt., 5c.

Dwarf Varieties—Mixed. Pkt., 5c.

*Plumosa*—About 2 feet high, of branching habit, with feathery plumes of brilliant colors; one of the most effective ornamental plants. Pkt., 5c.

**CENTAUREA CYANUS**—There are two types of this plant, one the "Gymnocarpa" or "Dusty Miller," a plant with silvery gray foliage and largely used for bordering formal beds, and the other our old-fashioned Bachelor Button or Corn Flower *Centaurea Cyanea*, which is a very hardy annual flowering all summer and useful for cutting.

**Bachelor Button** (*Emperor*)—Also called Blue Bottle, Ragged Sailor and Corn Flower. Intense blue. Single flowers. Is a hardy annual coming up year after year from self-sown seed. Mixed. Pkt., 5c.



Chinese Woolflower

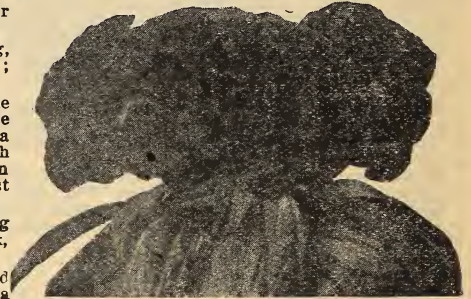
**Gymnocarpa** (*Dusty Miller*)—Graceful, fine cut, silvery white foliage. Nice for edging beds. Pkt., 5c.

**Imperialis** (*Giant Sweet Sultan*)—Double sweet-scented flowers borne on long, stout stems. Keeps for a week in water, if cut when about to open; 2 feet high; mixed. Pkt., 5c.

**COSMOS**—Autumn blooming plant of exceedingly graceful habit. The single star-like flowers are borne profusely in loose clusters, ranging in color from white through pink to crimson. The feathery spring green foliage well adapts it as a background for dwarfed flowers. If topped when half grown the plants bloom much earlier, the check inducing immediate flowering. Seeds should be sown early in the spring and the plants transplanted two feet apart when danger from frost is past. Grows 5 to 7 feet high.

**Mammoth Giant Perfection**—Late flowering. A strong, vigorous grower, bearing flowers of extra-ordinary size and substance. Excellent for cutting. White, pink, red or mixed. Pkt., 5c.

**Early Flowering**—Comparatively dwarf plants producing both white and colored flowers, coming into bloom much earlier than the giant forms and will give a great profusion of bloom until late in the autumn. Mixed colors. Pkt., 5c.



Coxcomb

**Dawn**—Early flowering, flowers beautiful and large, petals broad pure white, flushed with a delicate tinge of rose, profuse bloomer. Mixed. Pkt., 5c.

**CYCLAMEN** (*Giganteum*)—They make flowering bulbs in one season if sown in sandy soil. Beautifully mottled leaves, immense flowers of great substance. Mixed colors. Pkt., 15c.

**CANDYTUFT**—A free-flowering, hardy annual somewhat resembling Alyssum, but larger, with longer heads of bloom, fragrant and easily grown early in the season. Sow early where plants are to bloom.

**Empress**—A complete mass of pure white flowers. Valuable for bouquets. Pkt., 5c.

Fine Mixed—All colors. Pkt., 5c.

**CARNATION** (*Giant Margaret*)—Flowers of very large size, measuring 3 inches or more in diameter; colors include all the shades of white, pink, crimson and striped. Pkt., 5c.

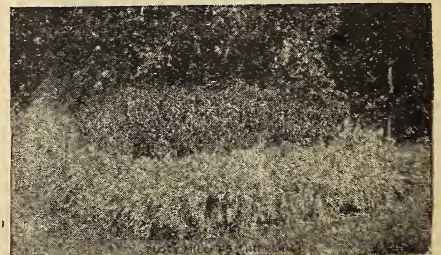
**Griswold's Choice Mixture**—This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt., 5c.

**CHINESE WOOLFLOWER** (*Celosia Childsii*)—A distinct form of the plumed *Celosia*, with beautiful, ball-shaped flower heads of a purplish-crimson color, somewhat resembling a ball of wool. It flowers profusely during summer and fall. Two to three feet tall. One of the finest fall-blooming annuals. Pkt., 10c.

**CHRYSANTHEMUM** (Annual)  
—Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties. Choice Mixed. Pkt., 5c.



Chrysanthemums



Dusty Miller

GOOD GARDENS CUT  
STORE BILLS

DON'T OVERLOOK SWEET PEA COLLECTION ON CATALOG COVER



**CINERARIA**—The small, starry flowers are borne in profusion on lovely panicles measuring 7 to 9 inches in circumference. Here are many pleasing shades of crimson, rose, blush white, azure and violet. Fine for pot culture. Mixed. Pkt., 10c.

**COLEUS**—The most popular of all foliage plants. Easily grown from seed, but must be started in a box in the house or hot-bed, as the seed is very fine and when sown is scarcely covered, but must be kept moist. Tender annual. Pkt., 5c.

**CLARKIA**—Very pretty, free flowering annuals desirable for shady places. The flowers of rose, white, red, purple, etc., borne in profusion during the summer, 1 to 2 feet. Mixed. Pkt., 5c.

**CLEOME PUNGENS** (Giant Spider Plant)—Rose colored flowers with long stamens. A tall grower and blooms freely until frost. Pkt., 5c.

**DAHLIAS**—Single or double. Mixed. Pkt., 5.

**DIMORPHOTHECA AURANTIACA** (African Daisy)—An extremely showy annual daisy from South Africa which suits our climatic conditions perfectly. The husky plant grows 12 to 15 inches high. The flowers, which are 2½ inches across, are a rich glossy orange yellow with dark disk and halo. These glitter in the sunshine and produce a magnificent sight when in full bloom. Seed may be sown in the same way as Asters or Petunias and should have a dry, sunny position. They bloom the greatest part of the summer and fall. Pkt., 10c.

**FOUR O'CLOCKS** (Marvel of Peru)—This is another good old-fashioned flower, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect. Mixed colors. Pkt., 5c.

**GERANIUM**—Favorite house plant. Seed started early will bloom the first year. Mixed colors. Pkt., 5c.

**GALLARDIA** (Blanket Flower) *Picta Lorenziana*—The head of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow and orange. 1½ feet. Pkt., 5c.



Dianthus, Heddwigi

**GLOBE AMARANTH** (*Gomphrena*)—Sometimes called Bachelor's Button. A very pretty everlasting flower with blossoms resembling clover. 2 feet. Red, white or mixed. Pkt., 5c.

**GOETIA**—Beautiful garden plants, having delicately shaded large satiny texture, trumpet-shaped blossoms of many colors. Easily cultivated in any good garden soil. 1½ ft. Mixed colors. Pkt., 5c.

**GOLDEN FEATHER**—See Pyrethrum. Page 48.

**GYPSOPHILA** (*Paniculata*, Baby's Breath or Love in a Mist)—2 feet. White flowers on branching stems, producing a veil-like mist over the plant. Pkt., 6c.

**Elegans**—Beautiful pink. Pkt., 5c.

**DATURA** (Sweet Nightingale)—A large, strong plant, with trumpet-shaped, fragrant, pearl-white flowers; 3 feet. Pkt., 5c.

**DIANTHUS**—Heddwigi (Double Japan Pinks)—Carnation-like flowers. Of value for bedding. The colors range from pure white to crimson spotted and striped. Perennial, but blossoms the first summer, and for years if the flowers are freely picked; much larger than the Chinese Pinks.

Heddwigi Fireball—Brilliant scarlet. Pkt., 5c.

Heddwigi Midnight—Blood red. Pkt., 5c.

Heddwigi Snowball—Pure white. Pkt., 5c.

Heddwigi Mixed—All colors. Pkt., 5c.

**Chinensis** (Double Chinese or Indian Pinks)—Compact plants with extra large double flowers. Excellent for bouquets as well as bedding. Mixed colors. Pkt., 5c.



Gallardias

**HELICHRYSUM** (Strawflower)—2-3 ft. Is an ornament to the garden when growing, and is everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place. Mixed colors. Pkt., 5c.

Set out some ornamental shrubbery this year. See pages 57-60.

## Griswold's Flower Garden Collection No. 5

Fifteen Large 5c Packages for 50c Postpaid

It is difficult to select Flower Seeds which give the best and most pleasing effects unless one is familiar with their habits of growth, etc. The collection which we offer below is made up of the best and most popular varieties known.

1 pkt. Alyssum (Little Gem)	1 pkt. Four O'clock	1 pkt. Portulaca
1 pkt. Asters	1 pkt. Gallardia	1 pkt. Salvia
1 pkt. Balsam (Lady Slipper)	1 pkt. Nasturtium	1 pkt. Sweet Peas
1 pkt. Bachelor's Button	1 pkt. Pansy	1 pkt. Verbena
1 pkt. Cosmos	1 pkt. Petunia	1 pkt. Zinna

NOTE—PLEASE ORDER COLLECTION BY NUMBER.

## BEAUTIFY YOUR HOME WITH FLOWERS

We want to see flowers in abundance around every home, no matter whether it be a town home or a farm home. Our special low-priced flower seeds and Collections are a good starter. Our Rose, Geranium and Chrysanthemum Collections and the plants named in the rest of this catalog will surround your home with beautiful flowers. Even if you can't go all the way this year, make a start at least towards beautifying home surroundings in 1923.



DOUBLE DIANTHUS





Helianthus (Sunflower)

**LARKSPUR (Delphinium) Giant Hyacinth-Flowered**—3 feet. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Colors both brilliant and delicate. Mixed colors. Pkt., 5c.

**LINARIA (Kenilworth Ivy)**—Flowers lavender and purple. A charming, small, hardy perennial trailing plant, suitable for baskets, vases, pots and rock work. Pkt., 5c.

**LINUM (Scarlet Flax)**—One of the most brilliantly colored of summer annuals, flowers glowing scarlet. Pkt., 5c.

**LOBELIA**—Annual plants of dwarf, compact growth, 4 to 6 inches in height, covered with numerous small star-like flowers. Pretty house plants.

**Crystal Palace (Compacta)**—6 inches. Deepest blue. Pkt., 5c.

**Trailing Lobelia**—A dwarf plant of trailing habit; splendid for porch boxes, hanging baskets and vases. Deep blue flowers and dark foliage. Pkt., 5c.

**MARIGOLD**—The Marigolds are old favorites, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn.

**African**—Immense flowers, double, all shades of yellow. Pkt., 5c.

**French**—Dwarf grower; double flowers, rich golden yellow market with velvety brown. Pkt., 5c.

**MATRICARIA (Feverfew) (Alba Plennissima)**—3 feet. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climates, but in our latitude are treated best as biennials or annuals. Pkt., 5c.

**MESEMBRYANTHEMUM (Ice Plant)**—Suitable for rock work, hanging baskets, etc. Foliage thick, frosted wax-like white flowers. Pkt., 5c.

**MIGNONETTE**—A universal favorite on account of its sweet and delicate fragrance. The massive spikes are closely set with large, highly colored and very fragrant florets. Pkt., 5c.

**MIMOSA (Sensitive Plant)**—A curious and pretty plant with pinkish white flowers; the leaves close and droop at the slightest touch at night. Pkt., 5c.

**NASTURTIUM (Dwarf or Tom Thumb)**—A bed of Dwarf Nasturtiums in the yard is very brilliant and attractive, blooming all the season. 1 foot high.

**Beauty**—Scarlet splashed with canary. Pkt., 5c. **Golden Queen**—Leaves golden-green, flowers orange yellow. Pkt., 5c.

**Chameleon**—Mottled crimson, bronze and yellow. Pkt., 5c. **King of Tom Thumbs**—Deep scarlet. Pkt., 5c.

**Crystal Palace Gem**—Sulphur with maroon spots. Pkt., 5c. **Scarlet**—Pkt., 5c. **Golden King**—Deep yellow flowers. Pkt., 5c.

**NICOTIANA, Affinis (Tuberose-flowered Tobacco)**—Deliciously fragrant, large white star-shaped flowers; open at evening and early morning; easily grown, blooms freely in the house. 2 to 3 feet. Pkt., 5c.

**Sanderac**—Sweet-scented, brilliant red flowers on sturdy, bushy plants 2 feet high; grows readily from seed. Pkt., 5c.

**NIGELLA. (Love in a Mist or Devil in a Bush.) Miss Jekyll.** These plants are vigorous and give an abundance of double flowers of the clearest blue, contrasting most charmingly with the fine fern-like foliage. Pkt., 5c.

#### GRISWOLD'S SPECIAL DWARF NASTURTIUM MIXTURE

Will give a large variety of colors in even proportions. It is made up from named sorts, and also contains some of the Lilliput Nasturtium and of the Dwarf Chameleon, which have the richest and most varied combination of colors ever produced. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75; postpaid.

**TALL NASTURTIUMS**—(See page 49.)

Flower pots and saucers are listed on pages 5 and 49.



Heliotrope



Fire Bush



Nasturtiums



**PANSIES**—One of the most interesting classes of flowers grown. A bed of pansies in bloom always has something new for you in variety of color and marking, every time you visit it although they are in bloom continuously from early spring until late in the fall. The seed may be sown in the hot bed or open ground. Keep the soil moist. They prefer a shady place. Do not let the plants seed if you wish to keep them in bloom. If sown in the fall, pansies will bloom very early in the spring.

**Started Plants**—Mixed colors in bud and bloom. Per doz., 75c; postpaid.

**Masterpiece. (Giant Curled)**—The fluted petals make the enormous flowers appear double. The colors and combinations are odd and striking. Pkt., 20c.

**Mammoth Butterfly**—The flowers are very large, of good form and substance and produces freely. In colorings they are varied, seldom two alike in a hundred plants. They are mottled and spotted. Pkt., 15c.

**Giant Adonis**—Light blue. Pkt., 10c.

**Giant Atropurpurea**—Dark Purple. Pkt., 10c.

**Giant Bronze**—Shade of bronze. Pkt., 10c.



Pansies

**Giant Cardinal**—Brilliant red. Pkt., 10c.

**Giant Goldelse**—Yellow. Pkt., 10c.

**Giant King of Blacks**—Beautiful Black. Pkt., 10c.

**Giant Emperor William**—Brilliant ultramarine blue with a purple violet eye. Pkt., 10c.

**Giant Snow Queen**—Flowers of a delicate, pure satiny white, handsome and attractive. It shows finely in beds or for cut flower work, and beautifully for cemetery use. Pkt., 10c.

**Bugnot**—Shades of red and bronze. Brightest cardinal and reddish brown. Pkt., 10c.

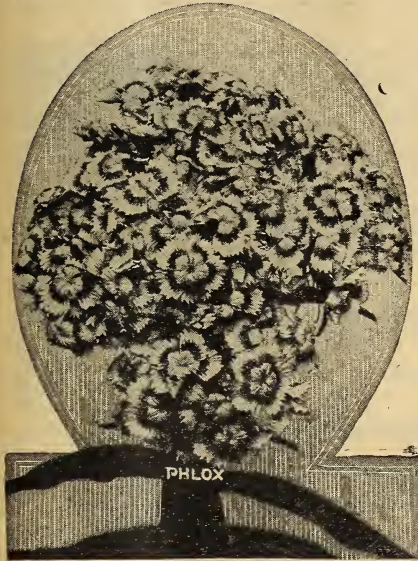
**Odier**—Flowers of immense size, and are of the popular Odier type, being all three or five spotted on background of very rich colors. The flowers are of good substance and fine form, of most compact growth. Pkt., 10c.

**Fancy Striped**—A beautiful variety from Belgium, with good sized flowers striped and mottled in various tints on contrasting ground colors. Pkt., 10c.

**Finest Mixed**—A mixture of the best sorts and colors. Pkt., 5c.

**Superb Mixed**—An extra good quality. Pkt., 10c.

**Special Giant Mixture**—An excellent combination of fancy strains, selected with a view to being as near perfection as possible. Pkt., 10c.



PHLOX

**PHLOX (Drummond)**—Sown in the open ground during April and May, they produce a perfect blaze of brilliant colored flowers until cut down by frost. The richness of color and the profusion with which the flowers are produced make them indispensable for massing in beds and borders. Thrives in almost any situation. For masses of separate colors or for bouquets they are unsurpassed. One foot high.

**GOOD SUCCESS**

Seward Co. Nebr., Mar. 30, 1922.  
Gentlemen: Have used your seeds for five years with very good success.  
MRS. BERT F. MILLER.

**Scarlet**. very showy. Pkt., 5c.  
**Alba**. Pure white. Pkt., 5c.  
**Rosey Chamois**. Beautiful shade of rose. Pkt., 5c.  
**Extra Choice Mixed**. Best large flowered. Pkt., 5c.  
**Starred and Fringed**. Very dwarf flowers fringed and distinctly edged with white. Mixed. Pkt., 5c.

**POPPIES**—Poppies are noted for their satiny flowers of silk-like texture in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. Sow the seed where the plants are to grow, as they do not bear transplanting.

**Shirley**—Pink, carmine and brilliant crimson; many edged with white; single and half double, splendid. Pkt., 5c.

**Tulip**—Cup-shaped, brightest scarlet with black spots at base of each petal. Single. Pkt., 5c.

**White Swan**—Immense double fringed flowers of purple white. Pkt., 5c.

**Carnation-Flowered, Mixed**—Brilliant, finely fringed double flowers of various colors. Pkt., 5c.

**Peony-Flowered, Mixed**—Splendid, large double flowers of all colors. Pkt., 5c.

**Single Mixed**—A fine mixture of the best single Poppies. Pkt., 5c.

**PORTULACA (Rose Moss)**—Forms masses of delicate green foliage covered with bright colored flowers somewhat resembling small roses. They thrive best in a rather rich, sandy soil and a sunny situation. Will stand any amount of dry weather.

**Single Mixed**—All colors. Pkt., 5c.

**Double Mixed**—Not all the plants will come double, but the single ones can be pulled out. Pkt., 10c.



SHIRLEY POPPIES





Ricinus (Castor Beans)

**PETUNIAS**—Very popular for their rich coloring, continuation of bloom, pleasant fragrance, and easy culture. Can be sown in the open border in full sun or partial shade. Transplant easily. 1½ feet high.

General Dodds—Beautiful; velvety, dark red. Pkt., 5c.

Howard's Star—Rich, velvety, maroon with white blotch on each petal. Pkt., 5c.

Snowball—Pure snowy white. Pkt., 5c.

Giant Ruffled and Fringed Single—The flowers are exquisitely ruffled or frilled, of immense size, and of great variety of colors. Pkt., 15c.

Double Mixed—Sure to produce a good percentage of double flowering plants. Pkt., 20c.

Single Mixed—Extra choice Pkt., 5c.

**PRIMULA** (Chinese Primrose)—This is one of the most charming winter flowering house plants. Leaves are rich green and prettily cut, the star-shaped flowers stand well above the foliage in umbels and have a delicate odor peculiarly their own. Pkt., 15c.

**PYRETHRUM** (Golden Feather) Parthenifolium Aureum—6 inches. One of the best plants for edging, grown for its beautiful yellow foliage. More successfully treated as an annual. Pkt., 5c.

**RICINUS** (Castor Bean)—Zanzibariensis Mixed—10 to 12 feet. The ornamental leaves, beautifully lobed, are 2½ to 4 feet across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. The difference between the varieties is in the coloring of the grand bamboo-like stems and the long slender leaf stalks. Pkt., 5c.

#### MIXED CLIMBERS

For those who desire vines to cover long stretches of fence, etc., we have a mixture of 12 or more varieties of annual climbers. Pkt., 5c; 20c per half oz.; 35c per oz.

**SALPIGLOSSIS** (Velvet Flower)—Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped like a Petunia but rivaling the latter in the beautiful colors, displayed. Each flower is veined, with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. Grows easily from seed. Plant in warm, rich soil, 1½ feet tall. Mixed Pkt., 5c.

**SALVIA** (Flowering Sage)—Among the most brilliantly colored of garden flowers and extremely useful for bedding; also valuable for pot culture. Blossoms are borne in long spikes of fiery red and continue to bloom until severe frost. Start in house and transplant into light soil. Tender perennials 2 to 3 feet tall. Pkt., 5c. Started Plants ready to bloom, \$1.50 per dozen; postpaid.

**SCABIOSA** (Mourning Bride)—Commonly known as the Pincushion Plant owing to the queer effect of the center of the flower. The outer petals making a ruffle around the cushion filled with pins, carry out the idea. The flower stems are long and the blossoms keep well in water. The soft shades predominate. 2½ feet.

Tall German Double—Mixed, all colors. Pkt., 5c.

Black Prince—Very double, rich dark maroon. Pkt., 5c.

Snowball—Elegant, white flowers, sure to be liked for vases and bouquets. Pkt., 5c.

**SCHIZANTHUS** (Butterfly Flower)—"The Poor Man's Orchid," pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. 1 foot. Pkt., 5c.

**SENSITIVE PLANT**—(See Mimosa, page 46).

**SMILAX**—One of the most desirable window vines on account of its charming, glossy green, elegant and graceful foliage. Sow seed in February and keep in moist place. Pkt., 5c.

**SNAPDRAGON**—(See Antirrhinum, page 43).

**STOCK** (Giant Perfection)—Very desirable because of its brilliancy of color, profusion and duration of bloom. Fragrant with large double rosette-like flowers. Mixed. Pkt., 5c.

Princess Alice—Snow white. Of branching habit. Very profuse bloomer especially if kept cut. Pkt., 5c.

**SUNFLOWER**—(See Helianthus, page 46).

**VERBENA**—Free-flowering hardy annuals of low-spreading growth; flowers of the most brilliant colors. Sow them early and they will bloom profusely from June until winter.

Dedance—Best scarlet. Pkt., 5c.

Alba—Delicate white. Pkt., 5c.

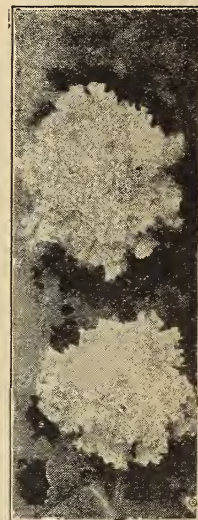
Mayflower—Delicate pink, very fragrant. Pkt., 5c.

Started Plants—Mixed colors. 15c each; 4 for 50c; postpaid.

Hybrida Blue—Blue shades. Pkt., 5c.

Purple—Purple shades. Pkt., 5c.

Choice Mixed—All colors. Pkt., 5c.



Petunias, Fringed Double White

**VINCA** (Periwinkle)—Splendid house and bedding plant, with glossy leaves and circular flower. Mixed. Pkt., 5c.

**WALLFLOWER**—Single annual. Very fragrant; purple, orange, and bronze. A favorite English flower. Seed sown the first of May will bloom from July until severe frosts. It is very satisfactory as a pot plant for winter, if kept in a cool room. Pkt., 5c.

**ZINNIA**—Flowers all summer, making the most brilliant display possible. Plants are of strong branching growth with abundant dark-green foliage, each branch terminating in a bold showy flower. Excellent for border or summer hedge. Seeds grow easily and young plants transplant safely.

Giant Flowering—Plants of vigorous growth, about 3 feet high, bearing profusely their perfectly formed double flowers. Mixed. Pkt., 5c.

Dwarf Fireball—Glowing, brilliant scarlet. Pkt., 5c.

Zebra, Striped—Flowers striped with red and yellow. Pkt., 5c.

White Gem—Small, double white flowers. Pkt., 5c.

Double Crested and Curled—Flowers are large, the petals being twisted and curved into most graceful forms. Many Brilliant shades. Pkt., 5c.



**HOW TO GET 25c WORTH OF SEED FOR NOTHING—SEE PAGE 25**



# Annual Climbers



Cobaea

**COBAEA**—A beautiful rapid-growing climber with large, purple, bell-shaped flowers; plant the seed edge-wise, and cover lightly. Pkt., 5c.

**CLIMBING NASTURTIUM**—Ideal ramblers that readily climb fences or wire netting. These blossoms are larger and the stems longer than the Dwarf Nasturtiums. Mixed colors. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75; postpaid.

King Theodore—Rich, deep crimson; dark leaves. Pkt., 5c.  
Edward Otto—Brownish lilac. Pkt., 5c.  
Jupiter—Rich golden yellow. Pkt., 5c.  
Miss. Gunther's Hybrids—Striped or blotched with shades of red, yellow and orange. Pkt., 5c.

Pearl (Moonlight)—Whitish. Pkt., 5c.  
Scarlet King—Bright glowing red. Pkt., 5c.  
Vesuvius—Bright salmon red. Pkt., 5c.

**DWARF NASTURTIUM**—See page 46.  
**MORNING GLORY (Convolvus)**—The well-known kind. Mixed colors. Pkt., 5c.

Japanese Giant—The mammoth flowers of this vine run from 4 to 6 inches across and are marked with most beautiful colors and shadings. The vines are strong and robust, growing from 30 to 50 feet high during the season. Pkt., 5c.

**WILD CUCUMBER**—A very rapid climber, often growing 30 feet in one season. It is covered with clusters of white, sweet-scented flowers, followed by ornamental prickly seed pods. Pkt., 5c; oz., 15c.

**ADLUMIA CIRRHOSA (Allegheny Vine)**—15 ft. The feathery foliage is like the Maiden Hair Fern. Delicate rose pink and white flowers cover the plant. Pkt., 5c.

**ARISTOLOCHIA (Dutchman's Pipe)**—An ornamental climber with brownish flowers resembling a miniature pipe. A perfectly hardy perennial standing any climate where the oak lives. Pkt., 5c.

**BALLOON VINE (Love in a Puff)**—A rapid grower with fine white flowers followed by inflated seed pods resembling small balloons. Height 10 feet. Pkt., 5c.

**BALSAM APPLE AND PEAR**—Very rapid and dense climbers, with golden-yellow fruit which opens when ripe, showing the seed and blood-red inside. Mixed. Pkt., 5c.

**CANARY BIRD FLOWER**—A rapid growing, delicate vine with clean, handsome foliage and an abundance of canary-yellow blossoms, somewhat resembling a bird with half extended wings. An excellent climber for shady places. Pkt., 5c.

**CARDINAL CLIMBER**—We consider this a most beautiful brilliant and distinct annual climber and rapid grower, attaining a height of 20 feet or more with beautiful deeply cut leaves not unlike some of the Japanese Maples and is literally covered with a haze of circular, fiery, cardinal red flowers from mid July to frost. The flowers are about half an inch in diameter and are borne in clusters of from 5 to 7 blossoms each; should be planted in warm, sunny situation on good soil. Pkt., 10c.

**CLEMATIS—Jackmanii Hybrids**—Large flowering. Mixed. Pkt., 10c.  
**CYPRESS VINE**—A beautiful climber with a profusion of scarlet or white star-shaped blossoms and fern-like foliage adapted to ornamental work. Pkt., 5c.

**DOLICHOS (Hyacinth Bean)**—Splendid climber, producing abundant clusters of pea-like flowers, followed by ornamental seed pods. 10 to 20 feet. White, purple or mixed. Pkt., 5c.

**MOON FLOWER (Ipomoea Notiflora)**—One of the most vigorous climbers. Will grow 30 feet; its large waxy white flowers open evenings and cloudy days. The hard outer coat of the seed should be cut through with a knife and planted in warm, rich ground. Keep the soil moist. Pkt., 5c.

**PENTSTEMON**—A large flowering, very attractive plant that blooms persistently during the entire summer. Very useful for cut flowers or for color masses in the garden. Forms large and beautiful flower spikes growing from 2 to 3 feet high. Pkt., 10c.

**HUMULUS (Japanese Hop)**—A rapid growing climber of easy culture, leaves variegated. Sows itself after first year. Pkt., 5c.

**GOURDS**—Desirable for many places where an immense amount of vine is wanted quickly, producing odd and interesting fruit. Most sorts grow 20 to 30 feet in a season.

Dipper—Makes an excellent dipper. Pkt., 5c.

Dish Rag—Many ladies prefer a dish cloth made of sponge-like lining of this gourd to anything else as it is always sweet and clean as long as any part of it is left. Pkt., 5c.

Sugar Trough—This gourd grows large, holding from 3 to 5 gallons. Very hard shell. Pkt., 5c.

Nest Egg—Resembling the eggs of hens; are uninjured by cold or wet, therefore make the best nest eggs. Pkt., 5c.

Pear Shaped—Striped yellow and green. Pkt., 5c.

Mixed Gourds—All of the above. Pkt., 5c.

**PASSION FLOWER**—One of the best summer vines for general growing. The beautiful blue flowers somewhat resemble a water lily in shape. Pkt., 10c.

## Standard Flower Pots and Saucers

Sent by Express or Freight

We pack these carefully, but will not be responsible for breakage in transit.

### FLOWER POTS

	Each	Doz.	100
2 inch.....	\$0.03	\$0.25	\$1.50
3 inch.....	.04	.40	2.65
4 inch.....	.06	.55	4.15
5 inch.....	.10	1.00	7.50
6 inch.....	.15	1.50	10.85
7 inch.....	.22	2.85	18.00
8 inch.....	.30	3.45	25.50
9 inch.....	.50	5.25	
10 inch.....	.70	7.15	
12 inch.....	1.30	14.25	

### SAUCERS

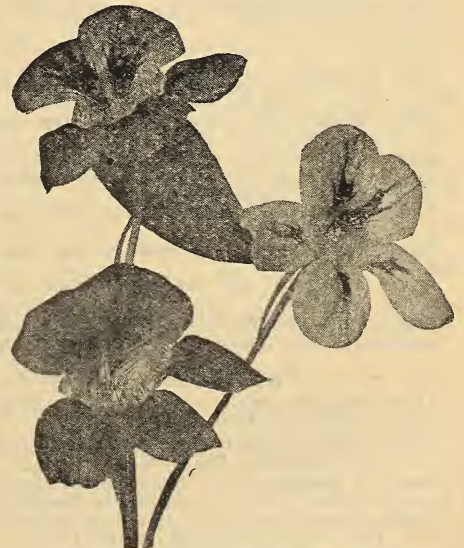
	Each	Doz.
3 inch.....	\$0.03	\$0.30
4 inch.....	.04	.40
5 inch.....	.06	.55
6 inch.....	.08	.75
7 inch.....	.10	1.00
8 inch.....	.14	1.35
9 inch.....	.20	1.88
10 inch.....	.30	2.65
12 inch.....	.50	4.50

## Paper Flower Pots

Neponset Waterproof Paper Flower Pots are made from a tough lasting and thoroughly waterproof paper. The pots may be used over and over again for transplanting and similar purposes. They are ideal for rooting vegetable plants if you want extra early vegetables.

### PRICES POSTPAID

	Doz.	Per 100
2¼ inch.....	\$0.15	\$0.75
3 inch.....	.25	1.25
4 inch.....	.35	2.00



Nasturtium





## SWEET PEAS

Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. Make a trench 6 or 8 inches deep, but cover the seed only about an inch. As they come up, rake the dirt around the little plants, so that by the time they have reached the top of the ground, the trench will be almost full. Furnish support early. Give them plenty of water, and keep the blossoms picked closely. If they produce seed pods, they will stop blooming.

### LARGE FLOWERING AND UNWIN TYPES

#### EARLY FLOWERING VARIETIES

- AURORA**—A beautiful orange rose. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**BLACK KNIGHT**—Deep maroon, veined black; large and open. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**BLANCHE BURPEE**—Large, pure white. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**BOLTON'S PINK**—The extra large expanded flowers are of a soft salmon-orange pink, very showy. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**CAPTAIN OF THE BLUES**—Purple and Blue. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**COUNTESS RADNOR**—A new lavender, very fine. Pkt., 5c; oz., 15c; ¼ lb., 45c.  
**DOROTHY ECKFORD**—Pure white flower, beautifully shell-shaped; extra large, 3 on a stem. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**DUKE OF WESTMINSTER**—Very rich purple tinted with violet. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**EMILY HENDERSON**—Very large, beautiful white. Blooms early. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**EVELYN BYRATT**—Standard rich orange salmon, wings a somewhat deeper shade. Very striking. Pkt., 5c; oz., 15c; ¼ lb., 45c.  
**EXTRA EARLY BLANCHE FERRY**—Standard rose pink wings, creamy white. Very early. Pkt., 5c; oz., 15c; ¼ lb., 40c.  
**FLORA NORTON**—A rich lavender, entirely free from pinkish tinge—almost a bright blue. Pkt., 5c; oz., 15c; ¼ lb., 45c.  
**FRANK DOLBY**—Pale blue, very large and fine. Pkt., 5c; oz., 15c; ¼ lb., 45c.  
**GLADYS UNWIN**—A pale rose pink, very large bold flowers on long stems. Very early. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**HONORABLE MRS. S. KENYON**—Beautiful primrose. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**KATHERINE TRACY**—A lovely pink. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**LORD NELSON**—Navy blue. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**LOTTIE ECKFORD**—White, edged with blue. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**LADY GRISEL HAMILTON**—A very light, dainty lavender. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**LOVELY**—A soft shell pink. Very good. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**MISS WILMOTT**—One of the richest orange-pink sweet peas. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**NAVY BLUE**—Dark indigo blue. Large and well formed. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**NORA UNWIN**—Nicely waved or fluted; usually has 3 flowers on a stem. One of the best white sweet peas yet introduced. Pkt., 5c; oz., 15c; ¼ lb., 50c.  
**PRIMA DONNA**—Exquisite rose pink; large and profuse. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**PRINCE OF WALES**—Rosy crimson. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**PHYLLIS UNWIN**—Very large size. Rosy carmine. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**QUEEN ALEXANDER**—Scarlet. Pkt., 5c; oz., 15c; ¼ lb., 35c.  
**SALOPIAN**—Rich scarlet red. Pkt., 5c; oz., 15c; ¼ lb., 35c.

#### SWEET PEA MIXTURES

- LIGHT SHADES (Mixed)**—White to deep pink. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.  
**DARK SHADES (Mixed)**—Brightest rose to dark scarlet. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.  
**SPECIAL MIXED**—A well proportioned mixture of the above named varieties. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.  
**CHOICE MIXED**—A good mixture of many old and new varieties. Pkt., 5c; oz., 10c; ¼ lb., 25; lb., 85c.  
**SPENCER VARIETIES**—Choice mixed. Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.50.



### SPENCER OR BUTTERFLY VARIETIES

#### LATER FLOWERING VARIETIES

- APPLE BLOSSOM**—Heavily shaded and edged with deep pink, rose and white. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**BLANCHE FERRY**—Carmine rose, pinkish white wings. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**BURPEE'S WHITE SPENCER**—Extra long stems bearing 3 or 4 pure white blossoms. Standard fluted. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**COUNTESS SPENCER**—Enormous flowers delicate pink shading deeper at the edges. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**FLORENCE NIGHTINGALE**—Delicate lavender, shaded rose pink. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**HELEN LEWIS SPENCER**—Orange-rose wings with crimson-standard. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**ILLUMINATOR**—Glowing cerise-salmon with an indication of bright orange. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**KING EDWARD VII**—Grand large flowers of a rich crimson scarlet. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**KING WHITE**—Produces gigantic flowers, absolutely pure white. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**MARGARET ATLEE**—Rich glowing pink on cream ground, suffused with salmon. Wings are of pleasing shade of rose and salmon. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**MARGARET MADISON**—A clear azure blue. Flowers of good size and substance gracefully carried on a fine stem. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**MRS. CUTHBERTSON**—Beautifully shaded rose and white. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**MRS. RUTZAHN**—Apricot pink and straw color. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**ORCHID**—A soft, clear, rich lavender. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**OTHELLO**—Chocolate-red, self-colored. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**PRIMROSE SPENCER**—Pure primrose. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**SENATOR SPENCER**—Red, brown, and gray striped. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**VERMILLION BRILLIANT**—The wings are of intense pure scarlet, making a uniform self-color throughout. This is by far the most intense self-scarlet in existence. The bold flowers are of large size and almost sunproof. Pkt., 10c; oz., 30c; ¼ lb., 90c.  
**WEDGEWOOD**—The best blue Spencer. It is a unique shade of clear, lovely blue. Pkt., 10c; oz., 30c; ¼ lb., 90c.



## Hardy Perennials

Plants of this class are perfectly hardy in the open ground; they die down to the ground but only to the ground in the winter; once planted they are a lasting pleasure. Failure with them is practically impossible. Orders should reach us by April 15th though in some seasons we can continue to supply this stock up to May 1st.

**NOTE**—We can only supply perennial seed of varieties where it is listed.

**ACHILLEA** (Ball of Snow)—A favorite hardy perennial well worth growing, giving throughout the summer an abundance of small double pure white flowers in loose bunches; much prized for cutting. Seed pkt., 5c; Plants, 20c each.

**ACONITUM** (Monkshood)—Handsome herbaceous plants with bold spikes of hood-shaped flowers, thriving in either shade or sun. 2½ ft. Aug.-Sept. Rich dark blue. Seed pkt., 5c.

**ADONIS**—Large star-shaped yellow flowers, 18 in. May. Pkt., 5c.

**AQUILEGIA** (Columbine)—The Columbines are one of the most elegant and beautiful of the hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautifully divided foliage. Single mixed colors. Pkt., 5c; Plant, 25c each.

**AGROSTEMMA**, Coronaria (Rose of Heaven)—Attractive, free flowering, producing bright colored flowers on long, slender stem, like a single pink; blooms first season. Mixed colors. Seed pkt., 5c.

**ALYSSUM SAXTILE COMPACTUM** (Basket of Gold)—Valuable for early spring bedding, producing a profusion of bright yellow flowers. Good rock plant. Height one foot. Seed pkt., 5c.

**ASTER** (Michaelmas Daisies)—Michaelmas Daisies now fill a most important place in all hardy flower gardens, with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. Mixed varieties in the finest array of sizes and colors. Seed pkt., 5c.

**BELLIS PERENNIS** (Double Daisy)—6 to 8 inches. A charming old favorite for edging beds, borders or rock work. Blooms April to June. Pink, white or mixed. Pkt., 5c.

**CAMPANULA** (Media) (Canterbury Bells)—The old-fashioned sort with beautiful large bell-shaped flowers. Light blue, rose, white and mixed. Height 2 to 3 feet. Seed pkt., 5c.

**CALYCANTHA** (Cup and Saucer)—Flowers resemble a cup and saucer, very beautiful. Mixed. Pkt., 5c.

**CARNATION**, GRENADIN—A delightful early flowering variety that is entirely hardy, yielding an exceptionally large percentage of sweet-scented double scarlet flowers of a most telling color. Height 15 inches. White or Red. Seed pkt., 5c.

**CHRYSANTHEMUM** (Hardy)—Mixed colors. Pkt., 5c.

**COREOPSIS LANCEOLATA GRANDIFLORA**—This is one of the finest of hardy plants, with large showy bright yellow flowers, produced in the greatest abundance from June until frost.



Columbine

As a cut flower they stand very near the head. Have long stems and last a long time. Height 3 feet. Seed pkt., 5c; Plants, 20c each.

**DELPHINIUM OR LARKSPUR**—Indispensable to the herbaceous garden, their long showy spikes of flowers persist from June till frost and furnish the most satisfactory blues to any color scheme. All Delphiniums are pot grown. Mixed colors. Seed pkt., 5c; Plants, 35c each.

**DIANTHUS BARBATUS** (Sweet William)—The varieties we offer are an improvement on the old-fashioned kinds, inasmuch as the colors and size of the flowers are very superior, being grown from select seed. Excellent border plants and fine for cutting. Double scarlet, white or mixed. Also single mixed. Seed pkt., 5c.

**DIANTHUS PLUMARIUS** (Clove Pink)—An exquisite mixture of colors. Pkt., 5c.

**DIGITALIS** (Foxglove)—Handsome and highly ornamental hardy plants of stately growth and gives a wealth of bloom. Height three to four feet. Mixed. Seed pkt., 5c.

**DAISY** (Giant Shasta)—Remarkably large, semi-double daisies, 3 to 4 in., across and pure white, with petals in two or more rows about a golden center. The plant is extra vigorous and maintains a fine show of great flowers throughout the summer and autumn. Seed pkt., 5c; Plants, 20c each.

**FORGET-ME-NOT** (*Myosotis Palustris*)—None of the spring flowers are more appreciated than the Forget-Me-Nots. Blooming all summer, they run in color from light azure-blue to deep royal blue, clear pink and pure white. Seed pkt., 5c.

**GAILLARDIA GRANDIFLORA** (Blanket Flower)—One of the showiest hardy plants, growing about two feet high and succeeding in any soil in a sunny position; beginning to flower in June, they continue the entire season. The large flowers are of gorgeous coloring. The center is dark-red brown, while the petals are marked with rings of brilliant crimson orange and vermilion, and often a combination of all in one flower; excellent for cutting. Seed pkt., 5c; plants, 25c.

**HOLLYHOCK**—6 to 8 ft. August-September. One of the most majestic of hardy plants, and a clump or line in any garden gives an effect not obtainable with any other plant. Seed sown any time before mid-summer will produce plants that bloom the following year.

Double Varieties. White, Crimson, Blood Red, Yellow, Pink. Seed pkt., 5c; plants, 25c each.

Double Mixed. (Charters Superb)—Seed pkt., 5c.

Single Varieties—White, Rose, Yellow, Red and Mixed. Pkt., 5c.

Allegheny—Semi-double and single. Mixed. Seed Pkt., 5c.

**HIBISCUS** (Crimson Eye)—Flowers of the largest size, often five to six inches across; pure white, with a large spot of velvety crimson in the center. Seed pkt., 5c; Plants, 25c each.

Rose Mallow—Very showy, pink flowers. Pkt., 5c.

**LATHYRUS LATIFOLIUS** (Hardy Everlasting Pea)—One of the best and most desirable flowering hardy climbers, attractive both in flower and foliage growing to a height of eight to ten feet and producing clusters of large showy flowers the entire summer. Fine for cutting, lasting well. Seed pkt., 5c.

**LUPINUS POLYPHYLLUS**—A valuable race of perennial Lupines, giving an abundance of long spikes of delicate scented flowers in June and July. Clear blue. Height 3 feet. Mixed colors. Pkt., 5c.

**LYCHNIS CHALCEDONICA**—A most desirable plant, bearing heads of brilliant orange-scarlet flowers in June and July. Perhaps no class of plant has more popular names of which the following is but a partial list: Jerusalem Cross, Lamp Flower, Maltese Cross, Ragged Robin, etc. Height 2½ feet. Seed pkt., 5c.

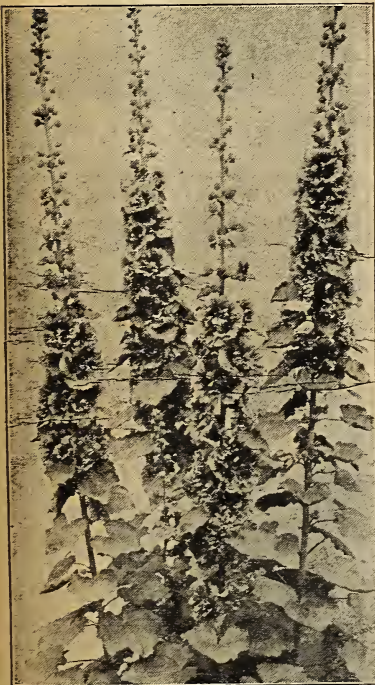
**POPPY** (Iceland)—Single mixed. Elegant free flowering plants, bearing flowers in abundance all summer. Pkt., 5c.

Oriental—Very striking colors, beautiful large flowers. Mixed colors. Pkt., 5c.

**PYRETHRUM ROSEUM** (Persian Daisy)—Easy to grow and always in bloom. Their main season of blooming is in June. Cut off the flower stems after blooming, they will then bloom again. These are extremely showy. Height 2 feet. Seed pkt., 5c.

**STOKESIA CYANEA** (Cornflower Aster)—Grows eighteen inches high bearing freely from early June until September; its handsome lavender-blue Cornflower-like blossoms which measure from four to five inches across. Very showy. Seed pkt., 5c; Plants, 20c each.

**SWEET ROCKET** (*Hesperis*)—Deliciously sweet-scented flowers for garden or cutting. Purple and white flowers. Pkt., 5c.



Hollyhocks



# Perennial Plants—Continued

## PEONIES

### "ARISTOCRAT OF FLOWERS"

The wonderful improvements made during recent years in these old-fashioned hardy plants has brought them into renewed popularity. The gorgeous flowers, which rival the finest roses in size, form and color, are produced in great abundance.

**ALEXANDRE DUMAS**—A very pretty pleasing multicolor sort. Brilliant pink crown interspersed with white, salmon and chamois. Extra. 60c each; postpaid.

**COURONNE D'OR or Crown of Gold**—Very full, imbricated, ball-shaped bloom; color snow white, with golden-yellow stamens showing through the sides of the petals. A wonderful Peony. 85c each, postpaid.

**DUCHESS DE NEMOURS**—Superb cup-shaped, sulphur-white flowers, fading to pure white. In all Peonies there is nothing so exquisitely chaste and beautiful as this variety in the half-open bud state; excels as a cut flower. Don't omit it. 75c each, postpaid.

being creamy pink; strong, delicate fragrance. 85c each, postpaid.

**HUMEII**—Immense late cinnamon scented flower of varnished pink. 60c each; postpaid.

**LOUIS VAN HOUTTE**—Fine shapely bloom of dazzling red; an old favorite. 60c each, postpaid.

**MARECHAL VALLIANT**—Immense globes of light red with shades of mauve. At Chicago show in 1905 it won the first prize for best red. 65c each, postpaid.

**RUBRA SUPERBA**—Magnificent rich brilliant deep crimson without stamens. Very large, full and double, and very late; always come perfect blooms. Very free bloomer. The past year it bore more blooms than many other variety we had. 75c each, postpaid.



Peony

**EDULIS SUPERBA**—Large dark pink; even color; strong grower; very free and strong bloomer; fragrant; one of the earliest. Price: 60c each, postpaid.

**FELIX CROUSSE**—Large globular brilliant red flowers. A strong, vigorous grower of medium height. One of the best. \$1.00 each, postpaid.

**FESTIVA MAXIMA**—This is not only the finest white in existence, but many regard it as the queen of all the peonies. A grand cut flower variety, coming into bloom usually for Decoration Day. 60c each; postpaid.

**GOLDEN HARVEST**—A most striking variety, producing large, tri-colored blooms. The guard petals are bluish pink with creamy white center. It combines cream, gold, white, pink, salmon, peach and apricot. The total color effect of the flower

## PHLOX

This is one of the most easily grown hardy perennials, and the large number of beautiful varieties now offered make it especially desirable. These noble flowers are not only beautiful as individuals, but the cheerful appearance of our gardens during the summer and autumn months is much indebted to them. Price: 30c each; any 6 for \$1.50; 12 for \$2.75; postpaid.

**ALCESTE**—Deep violet, shading almost to blue.

**ATHIS**—Deep, clear salmon. Some claim this to be the showiest variety in cultivation.

**CONSUL H. FROST**—Deep rose color; large white eye.

**GENERAL VON HEUTZE**—Immense trusses of very large flowers; color of the most brilliant salmon-red, with white center; simply grand.

**INDEPENDENCE**—An excellent large-flowering early pure white; none better.

**L'ESPERANCE**—Clear rosy-lilac; large white eye distinctly rayed; large florets; an even bloomer.

**LOTHAIR**—Clear even carmine, deep crimson eye.

**MISS LINGARD**—Pearly-white flower, with a very faint pink eye; very remarkable bloomer, producing two to three crops of flowers during the season.

**PANTHEON**—Large, clear, deep, bright pink, with faint halo; a charming variety.

**R. P. STRUTHERS**—The very best Phlox grown today. Color clear cherry-red suffused with salmon shades; deep red eye; fine large truss.

MIXED SEED, PKT., 5c.

## LIBERTY IRIS

**LIBERTY IRIS**—No other flower has so many combinations of color, especially of delicate and unusual shades. They are absolutely hardy, as beautiful in form, texture and coloring as any Orchid, and many are delightfully fragrant. They are not particular as to the soil; will grow where anything will but do better in well-drained locations. There is nothing prettier than this Liberty Iris, blooming from May 10th to June 10th.

**PORENTINA ALBA**—Creamy-white, faintly flushed lavender; fragrant and early. This is the Iris root of commerce, being used for the manufacture of toilet powder. The roots are delicately perfumed. Plants, 25c each.

**HONORABLE (Sans Souci)**—Standards golden-yellow, falls rich mahogany-brown; very effective. Plants, 25c each.

**INNOCENZA**—Standard and falls white; crest rich golden-yellow; a very delicate and showy effective flower. Plants, 25c each.

**MADAME CHEREAU**—Standard and falls white, elegantly frilled with a wide border of clear blue; very beautiful. Plants, 25c each.

**PALLIDA DALMATICA (Heavenly Blue)**—Standard delicate lavender, falls clear deep lavender; flowers very large and extra fine. Plants, 40c each.

**PURPLE PRINCE**—Standard intense deep violet-blue; falls velvety dark purple; exceedingly rich and striking. Plants, 25c each.

**QUEEN OF MAY**—A lovely shade of rosy-pink, tinted with lilac; beautiful. Plants, 30c each.





# Summer Flowering Bulbs

Plant in deep, rich soil, when the ground becomes warm. For earliest flowering the tender bulbs may be started in the house. For succession of bloom, plant up to June 1st. After fall frost, lift the bulbs, let them dry and then removing the tops, store in a cool, dry place, away from frost planting early in the spring.

## CANNAS

The most popular decorative plant of the day. The earth should be spaded deeply and well enriched. After planting water sparingly until the plants have taken root and show good leaf growth.

Write for special low prices in large quantities.

**BUTTERCUP**—4 ft. Green foliage, flowers of large size, rich canary yellow. 10c each; \$1.00 doz.; postpaid.

**CHAS. HENDERSON**—4 ft. Green foliage, fine for bedding. Compact, vigorous growth; free bloomer, deep rich crimson. 10c each; \$1.00 doz.; postpaid.

**DUKE OF MARLBOROUGH**—5 ft. Green foliage, very large, bright red flowers. 10c each; \$1.00 doz.; postpaid.

**FLORENCE VAUGHAN**—5 ft. Dark green foliage, yellow

flowers dotted with bright red. A fine bedder. 10c each; \$1.00 doz.; postpaid.

**HUNGARIA**—3½ ft. The best pink canna. Very compact, almost dwarf and of a very luxuriant growth. Leaves bluish green. Flower trusses of enormous size, borne well above the foliage, with immense petals. Color purest LaFrance pink, with satin sheen. 25c each; \$2.50 doz.; postpaid.

**KING HUBERT**—4 ft. Giant orchard flowering, orange scarlet. Foliage is bronse, thick and leathery. 12c each; \$1.25 doz.; postpaid.

**MAD. CROZY**—3½ ft. Green foliage. Large vermilion flowers with gold border. 10c each; \$1.00 doz.; postpaid.



Lily of the Valley

## DAHLIAS

Large, symmetrical double flowers having broad petals in-curving at the center. Blooms from August to freezing weather.

**A. D. LIVONI**—Show pink; very pleasing color petals quilled. 25c each; postpaid.

**DELICE**—Decorative. A new dahlia, greatly prized because it is a new shade. The best pure, bright rose pink. Entirely distinct, beautiful form. 25c each; postpaid.

**JACK ROSE**—Decorative. In color resembles the Jacqueminot Rose. Very popular because of its brilliant, deep red color. Profuse bloomer and splendid for cutting purposes. 25c each; postpaid.

**ROBERT BROOMFIELD**—Show. Pure white. One of the best; tall grower. 30c each; postpaid.

**SYLVIA**—Decorative. Very lovely shade of mauve pink, shading with white in the center. A fine flower on a vigorous plant. One of the best decorative dahlias. 25c each; postpaid.

**WILLIAM MILLER**—Decorative. Brilliant purple. A very good variety. 25c each; postpaid.

**YELLOW DUKE**—Decorative. Canary yellow; quilled petals. A giant flower on a long stem. 25c each; postpaid.

**MIXED**—20c each; \$2.00 per doz.; postpaid.

**DAHLIA SEED**—Single or double. Pkt., 5c; postpaid.



Dahlia

### WELL PLEASED

Custer Co., Nebr., Feb. 1, 1922.  
Dear Sirs: Was well pleased with my order of seeds that I got from you last year, and the Snowball did fine.  
MRS. O. C. SHIPLEY.

**LILY OF THE VALLEY**—Bearing slender stems set with tiny white bells, delightfully fragrant, do well in shady situations. Flower each summer without any attention. 5c each; 6 for 25c; 45c per doz.; postpaid.

**CALADIUM ESCULENTUM** (Elephant's Ear)—Fine tropical plant, bearing immense leaves. Start as directed for Cannas; when growing you cannot make the soil too rich or keep it too wet. 25c each; 2 for 40c; postpaid.

**KUDZU VINE** (Jack-and-the-Bean-Stalk)—A most remarkable hardy climber. Starts slow, but in a few weeks grows almost beyond belief. Foliage dark green. Fine for porches and arbors. Roots, small, 25c each; 2 for 40c; postpaid.

**MADEIRA VINE**—A rapid climber, twining to great heights. Thick glossy green leaves and very fragrant white flowers. It grows anywhere, but does better in a warm sunny location. It is also very pretty for training in the house. Strong tubers, 5c each; 6 for 10c; per dozen, 35c; postpaid.

**TUBEROSE**—A beautiful white wax-like, very sweet-scented double flower growing on tall stems. 5c each; 50c per doz.; postpaid.

### FALL BULBS

In September of each year we import from Holland a large shipment of Fall Bulbs. These should be planted any time from the middle of September until the ground freezes. This list includes bulbs for outdoor planting and for planting in the house. Write for our illustrated Bulb Catalog, which will be ready about August first.





Gladioli

## GLADIOLI

This is one of the best summer-flowering bulbs. It is a flower anyone can grow and is lovely enough to satisfy the most exacting. The flowering season may be continued by planting from the middle of April to the first of June. Set the bulbs 6 inches apart and 2 to 4 inches deep.

**AMERICA**—The finest pink Gladiolus yet introduced; especially valuable to florists; spikes 2 and 3 feet long; flowers are large, open and spreading. Color delicate lavender pink. 7c each; 65c per doz.; postpaid.

**BEST VIOLET**—An excellent violet blue. 10c each; 85c per doz.; postpaid.

**CHICAGO WHITE**—Pure white with lavender marking in throat; very early. 10c each; \$1.00 per doz.; postpaid.

**HALLEY**—The predominating color of these flowers is delicate salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center, the whole producing a delightful effect. 10c each; \$1.00 per doz.; postpaid.

**MRS. FRANCES KING**—Bright "Flamingo" pink, strikingly attractive. Flowers 4 to 5 inches across are borne on stalks 5 feet high. 7c each; 65c per doz.; postpaid.

**MRS. FRANK PENDLETON**—One of the most exquisitely colored and formed Gladiolus in our entire list. In addition the size of bloom is not exceeded by any other. The color is a delicately flushed salmon-pink, the color extending to the reverse side of the petal as well as in the center. The blooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 12c each; \$1.25 per doz.; postpaid.

**NIAGARA**—The best yellow. 10c each; \$1.00 per doz.; postpaid.

**PANAMA**—A grand variety and very popular wherever grown. Color rich, salmon-pink. 10c each; \$1.00 per doz.; postpaid.

**PEACE**—A beautiful white flower, very large with pale violet feathering on interior petals. Flower correctly placed on a tall graceful spike. 10c each; \$1.00 per doz.; postpaid.

**PRINCEPS**—The \$1,000 Gladiolus. Flowers are 5 to 7 inches broad, petals wide and rounded, forming an almost circular flower. The color is brilliant crimson, with white blotches on the lower petals. Spikes 4 feet in height; produce 12 to 15 flowers. 10c each; \$1.00 per doz.; postpaid.

**SCHWABEN**—A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best, of clear canary yellow, shading to a soft sulphur yellow when opening. 12c each; \$1.25 per doz.

**WAR**—Deep red of brilliant color. Extra large, open flowers 15c each; \$1.50 per doz.; postpaid.

**GRISWOLD'S SPECIAL MIXED**—All colors and varieties. Every one a beauty. 4c each; 40c per doz.; postpaid. 50 for \$1.00; 100 for \$3.00 by express at buyer's expense.

## Bedding and House Plants

### GERANIUMS

20c EACH; 6 FOR 90c; POSTPAID

**ALPHONSE RICARD**—Large, perfectly formed semi-double flowers of bright vermilion-red.

**AMERICAN BEAUTY (New)**—Same color as the famous American Beauty Rose. Very free bloomer.

**BEAUTE POINTEVINE**—The color is a beautiful shade of shrimp-pink, delicately shading to white; a most profuse bloomer all season.

**JEAN VIAUD**—Beautiful shade of mauve-pink, shading to clear white throat; the flowers and trusses are enormous, sometimes measuring 6 inches in diameter. Extra fine.

**LA FAVORITE**—Flowers purest white; very free flowering; always a perfect mass of white; an old favorite double flower of dwarf and branching habit. A perfect bedder and pot variety.

**S. A. NUTT**—This is more generally used as a pot plant and for bedding than any other variety. The color is a handsome dark velvety scarlet with maroon shading, a vigorous grower.

#### SWEET-SCENTED GERANIUMS

20c EACH; 6 FOR 90c; POSTPAID

**LEMON**—The foliage is pronouncedly lemon scented.

**NUTMEG**—Foliage has true nutmeg fragrance.

**ROSE**—The famous sweet rose-scented Geranium; very fragrant.

### PANSY GERANIUM (Pelargonium)

Lady Washington Geraniums

35c EACH; 3 FOR \$1.00; POSTPAID

**EASTER GREETING**—Large bright amaranth red.

**LUCY BECKER**—Pleasing shade of rosy pink.

### MONTHLY CARNATIONS

"THE DIVINE FLOWER"

PRICE, EXCEPT NEBRASKA: 20c EACH; 3 FOR 50c; POSTPAID

**NEBRASKA**—It is the best red Carnation in existence. Monster flowers of the best and most lasting shade of beautiful, bright, crimson-scarlet. Every flower is perfect. Is the finest bloomer of the Carnations. Price 30c each; 3 for 75c; postpaid.

**ENCHANTRESS**—A beautiful shell pink; large flower. One of the best.

**MATCHLESS**—Largest flowers of the purest immaculate white; large sized blooms. Very sweetly scented with delightful clove fragrance.

**ROSE PINK ENCHANTRESS**—A beautiful bright, rose-pink Large flowers and a profuse bloomer.



Geranium

### COLEUS

PRICE: 20c EACH. ANY 6 FOR 90c; POSTPAID

The well-known foliage plant used so extensively for summer bedding.

**AUTUMN LEAVES**—Crimson, Yellow, Pink and Bronze.

**BUTTERFLY**—Mottled Red, Green and Yellow.

**CROWN JEWELS**—Dark, Rich Red, Bordered Yellow.

**GOLDEN BEDDER**—Rich Golden Yellow.

**MILTONIANA**—Rich Velvety Black.

**QUEEN OF LAWN**—Pink, Bordered Crimson and Green.

**TRAILING QUEEN**—Beautiful drooping variety.

**VERSCHAFFELTII**—Rich Red, fine bedder.



**ASTERS**

Price: 10c each; 75c per dozen

Our Asters are produced from exceptionally fine strains. White, blue, pink and purple.

**CHRYSANTHEMUMS**

CAN BE SUPPLIED UP TO ABOUT JUNE 1st  
LARGE FLOWERED CHRYSANTHEMUMS

Price: 20c each; any 6 for 90c.

**BLACK HAWK**—An extra fine, deep, crimson variety of the largest size; none finer of its color.

**GOLDEN GLOW**—Bright yellow of velvet finish. Flower 5 1/4 inches in diameter.

**GOLDEN WEDDING**—Nothing finer among yellows; shines like burnished gold. The standard for measuring yellows; of mammoth size.

**OCTOBER FROST**—Purest snow white; fairly glistens in its purity.

**PACIFIC SUPREME**—This grand variety has literally leaped into popularity. Flowers are so large as to startle you. The color shades from lavender-pearl to the richest pink.

**TIMOTHY EATON**—The largest and grandest of all white mums; simply immense.

**Pompoms**

SMALL FLOWERED CHRYSANTHEMUMS

Price: 20c each; 6 for 90c.

**QUEEN OF WHITES**—The best white.

**GREYSTONE**—Beautiful bronze.

**GOLDEN HARVEST**—Deep yellow.

**WESTERN BEAUTY**—A lovely pink.

**FERNS**

**ASPARGUS SPRINGERII** (Emerald Feather Asparagus)—It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green feathery foliage. Price: 25c each; large, 75c; postpaid.

**BOSTON SWORD FERN** (Nephrolepis Bostoniensis)—This Fern has proven to be a most popular decorative plant; its a rapid grower of very easy culture, soon forming a large graceful plant. Price: 25c each; large, 75c; postpaid.

**ASPARGUS PLUMOSA** (Climbing Lace Fern)—Easily grown and very satisfactory for window and house culture; an extremely graceful window climber; bright green feathery foliage, as fine as the finest silk or lace. Price: 25c each; large, 75c; postpaid

**OSTRICH PLUME FERN** (Nephrolepis Whitmanii)—Thrives perfectly in the warm atmosphere of living rooms. Combines graceful plumpness and charm with additional features of good shape, size and growth. Price: 25c each; large, 75c; postpaid.

**MAIDEN HAIR** (Adiantum Croweanum)—This is the well-known, fine-leaved Maiden Hair variety so extensively used in connection with cut flowers. Price: 25c each; large, 75c; postpaid.



Chrysanthemum



Asparagus Plumosa Fern.

**FUCHSIAS**

"Ladies' Eardrops". Price: 20c each; the set of 5 for 90c.

**BLACK PRINCE**—One of the best. Sepals bright waxy carmine. Large pink corolla.

**ADVOCATE**—Single purple with red corolla.

**AVALANCHE**—Purple corolla with red sepals.

**ROSINE PATRIE**—Large double flowers, white corolla.

**SPECIOSA**—Blooms in great profusion. Tube and sepals bright rose, corolla brilliant carmine.

**LANTANA**

Price: 20c each; the 5 for 75c

**CORAL ARGENT**—The best white.

**FRANCENE**—A lovely pink.

**RADIATION**—A handsome red. One of the showiest.

**TITHES**—An unusually attractive shade of yellowish-pink.

**ULTRINA**—A beautiful yellow.

**GIANT PRIMROSE**

Price: 20c each; 3 for 50c

**OBCONICA GRANDIFLORA**—A profuse blooming Primrose with large flowers, ranging in color from white to deep rose. Always covered with flowers.

**MARGUERITE DAISIES**

Price: 20c each; 3 for 50c

**MRS. F. SANDERS**—A beautiful, free-blooming Marguerite, having double and single flowers on same plant.

**NICHOLSON'S YELLOW**—The best yellow Marguerite.

**PANSIES**

Price: 10c each; 75c per doz.

Large plants in bud and bloom of the most beautiful varieties and colors.

**SALVIA (Flowering Sage)**

Price: 15c each; 4 for 50c

Flowers are borne in long spikes of fiery red and blooms until severe frost. Fine for borders.

**SHASTA DAISY**

Price: 20c each; 3 for 50c

Beautiful large, white flowers with golden centers. Blooms entire season.

**VERBENAS**

Price: 15c each; 4 for 50c

Our collection is made up of the best, large flowering and most brilliant colored varieties. Large sized plants.

**VIOLETS**

Price: 30c each; 2 for 50c

**GOV. HERRICK**—Single dark blue.



Ostrich Plume Fern.



## BEGONIAS

**GLORIE DE CHATELAINE**—A very attractive plant. The flowers are brilliant pink and being a perpetual bloomer, it makes a charming bedding or house plant. Price: 25c each.

**XMAS RED**—Holly red. One of the finest. Price 25c each.

**RED CHATELAINE**—Similar to Gloria de Chatelaine except color, which is a clear, bright red. Price: 25c each.

**CHATELAINE SUPREME**—Improved Chatelaine. The flowers are larger and the plant is hardier. It is a rapid grower and fine for outdoor bedding. The flowers are brilliant pink. Price: 35c each.

## ANGEL'S TRUMPET

It grows easily, blooms freely indoors in winter and in the garden in summer. Has large, tropical leaves, with blooms 8 inches long by 6 inches wide at the mouth, resembling a trumpet. Pure white in color and as fragrant as a Jasmine. Large sized plants, 50c each.

## TENDER VINES AND CLIMBERS

**THE WONDERFUL GIANT MOONFLOWER** (*Ipomoea Maxima*)—A giant in growth and flower, and wonderfully fragrant. This grand new Moonflower is a decided improvement over the old well-known variety, *Ipomoea Grandiflora*. The flowers are more than twice the size, oftentimes measuring from 6 to 7½ inches across. Its growth is very rapid when planted in good rich soil. Fine plants, 30c each; 3 for 50c.

**GERMAN or PARLOR IVY**—A rapid-growing plant, well adapted for training in the parlor. Leaves glossy green and flowers yellow, borne in clusters. Price: 15c each.

**SMILAX**—A lovely house vine. Price: 15c each.

**TRADESCANTIA** (Wandering Jew)—Fine for baskets. Two distinct kinds. Price: 15c each.

**VINCA MAJOR VARIEGATA**—Fine for baskets and vases; green and white foliage. Price: 20c each; large, strong plants, 35c each.

**CINNAMON VINE**—A beautiful hardy climbing vine, which will quickly surround an arbor, window or veranda with a profusion of vines covered with handsome, glossy, heart-shaped leaves, bearing great numbers of delicate white blossoms, which emit a delicious cinnamon fragrance. We know of no vine that is more satisfactory, being perfectly hardy, thriving everywhere, and when once planted will grow for many years and be a source of constant delight. The vines



Glorie De Chatelaine

quickly make long shoots 5 feet or more in length, and can be used for all purposes where a beautiful climbing vine is needed. Plant the bulbs about 1 inch deep in rich soil, and with the approach of winter cover lightly with straw and leaves to prevent freezing. Price: 2 for 15c; 4 for 25c; postpaid.

## ROSES

**NOTE:** The roses are 1 year old; will make a rapid growth the first year. Order in spring, not later than June 1st.

To obtain the most satisfactory results, roses should be planted in well drained, rich, deep loamy soil, and given a place where they have sunlight and circulation of air. For winter protection an application of rotten manure should be given them in the late autumn, and spaded into the ground the following spring.

**NOTICE:** If the plants look wilted when received, put them in lukewarm water for 15 to 20 minutes. Set the plants about 2¼ inches deeper than they were growing before and press the soil firmly around the roots. Give them a good watering. Shade from sun and wind until they begin to grow.

## TEAS AND HYBRID TEAS

PRICE OF THE 7 ROSES ON THIS PAGE: 30c each; 5 for \$1.25

**KILLARNEY (The Irish Beauty)**—Brilliant sparkling pink with large, pointed buds, broad, wax-like petals with silvery edges and enormous semi-full flowers of exceeding beauty. One of the very finest forcers and has become the type for a numerous family.

**KILLARNEY BRILLIANT**—Newest members of its family and expected to push Killarney, its parents, off the field. Color varying from crimson-pink in winter to a bright, true pink in hot weather, brilliant throughout the year. As free a producer and a trifle stronger than the parent, with nearly double the petalage.



American Beauty

**ORPHELIA**—Brilliant salmon-flesh shaded with rose on outer edges of petals with a heart of glowing peach-pink and orange-yellow blendings, all passing finally to lighter shades; fragrant as Richmond, faultless form in bud and flower; erect habit, stiff, long stems; free and continuous in growth and bloom; handsome, bright foliage; immune to mildew and black spot; possesses every requisite of a perfect forcing rose.

**WHITE KILLARNEY**—A pure white sport from the pink parent above described. (Identical with the pink variety except in color.)

**LA FRANCE**—Silvery-rose, with pink shades and satin-like petals of unsurpassable beauty; large, symmetrical and deliciously fragrant blossoms from June until frost; hardy with protection.

**SUNBURST**—This magnificent giant yellow Rose is a fine forcer. It stands head and shoulders above all other of its color and will rank with American Beauty and the Killarneys in value and grandeur. The color is orange-copper or golden orange with deep orange center, edge of petals lighter. Some call the color cadmium-yellow. The golden-yellow color stays right with the flower until it fully finishes. It makes no difference what you call its color, it is the yellowist of all roses in the ever-blooming class. Buds, long and pointed, borne singly on long stout stems opening full and double. Belongs in the class of big Roses. Better get acquainted with "Sunburst."

**THE BRIDE (White Tea Rose)**—Flowers very large on long, stiff stems. They last a long time after being cut, making it one of the best for bouquets. Sometimes a pinkish white in hot weather, but usually a pure white.



Angel's Trumpet



**HYBRID PERPETUAL ROSES**

PRICE OF ALL ROSES LISTED BELOW EXCEPT AMERICAN BEAUTY: 30c EACH; ANY 5 OF YOUR OWN SELECTION FOR \$1.25; ANY 12 FOR \$2.75.

**AMERICAN BEAUTY** (Mme. Ferd. Jamin)—Generally conceded to be the most grandly beautiful of Roses in size, form and color. Rich red, passing to crimson, very delicately veined and shaded and surpassingly fragrant. A hardy everbloomer and rapid grower. Price: 40c each; postpaid.

**CLOTHILDE SOUPERT**—A really wonderful Rose for bedding out or for pot culture; medium size and very double; white, shading to deep pink at center; a profuse bloomer and a strong dwarf grower, deliciously fragrant.

**FRAU KARL DRUSCHKI** (the White American Beauty or Snow Queen)—An everyday hardy, vigorous grower, with bright green leaves delicately veined; splendid long buds and magnificent snow-white blooms with very large saucer-shaped petals. Rightly named and deservedly a prize winner.

**GENERAL JACQUEMINOT**—A celebrated and much sought for variety, both for planting out and pot forcing; shapely buds and handsome blooms of bright shining crimson, rich, brilliant, velvety and fragrant. Everybody knows and wants the "Jack" for its all "round" good qualities.

**GRUSS AN TEPLITZ** (Greeting to Teplitz, or Virginia R. Coxe)—Hardy in all sections, grows freely, to a height of 4 to 5 feet; vivid dazzling, fiery crimson; sweetly fragrant; produces a mass of gorgeous blooms on long stems.

**PAUL NEYRON**—The largest of all Rose blooms; bright, shining pink, clean and beautiful; very double and full; finely scented; blooms first season and all summer. Grows to a great height in a single season and stems are almost thornless.

**PINK SOUPERT**—Rose-pink in color; otherwise same as Clothilde Soupert.

**MADAME PLANTIER**—A June Rose, well worthy of its long and continued popularity. Pure white, large and double; hardy as a forest tree; a free and continuous bloomer of the best white Hybrid Perpetuals, used extensively for cemetery planting.

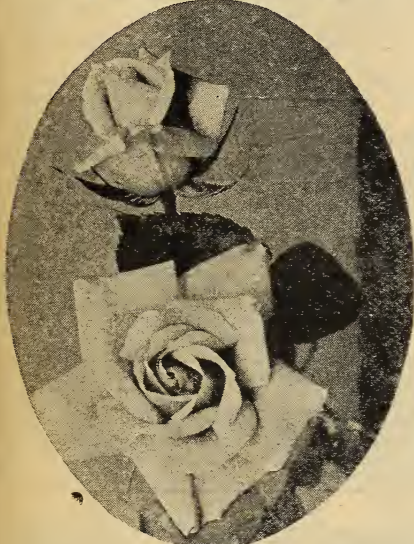
**MAMAN COCHET**—Rich, rosy pink, shaded silvery-rose on outer petals; exquisite in color and graceful in form from bud to bloom and delightfully fragrant; beautiful, healthy foliage and long, stiff stems. Unquestionably the queen of pink Tea Roses and a leading cut-flower variety.

**WHITE MAMAN COCHET**—Identical with its parent, Maman Cochet, in everything except color.

**MISTRESS JOHN LAING**—Beauty in clear, bright, shining pink; each bud in its long, serrated calyx with adjacent, green foliage forms a very dainty and lovely boutonniere; Immense, full bloom on long stiff stems sweetly scented.



Frau Karl Druschki



Ophelia

**DOROTHY PERKINS**—Beautiful shell pink color holds for a long time, fading finally to a lovely deep rose; very sweet scented; fully equal to Crimson Rambler in foliage, hardness, habit of growth and blooming qualities.

**WHITE DOROTHY PERKINS**—Pure white sport from Dorothy Perkins, with which it is identical in foliage and habit. A valuable addition to the hardy climber class.

**EXCELSA** (Red Dorothy Perkins)—Intense crimson-scarlet; double flowers in brilliant clusters set in glossy shining foliage which never mildews nor spots. An intensified Crimson Rambler, which it promises to displace. Extremely vigorous and the handsomest of all the red climbers.

**SHOWER OF GOLD**—Deep golden-yellow orange flowers borne in splendid trusses forming a mass of bloom. Extremely long laterals are densely clad with a beautiful Wichuriana foliage, the leaves on upper side and stems a reddish-brown shot with a silvery sheen.

**TAUSENDSCHOEN** (Thousand Beauties)—Varying shades from a delicately flushed white to a deep pink or rosy-carmine, in bright clusters of blossoms almost covering the handsome pale-green foliage. A vigorous, hardy climber with few thorns, of German origin.

**HARDY CLIMBERS**

This class of Roses needs some protection in this climate, that is, states north of Kansas. A good plan is to lay them down and cover with straw or leaf mulch. It is freezing and thawing alternately that kills Rose bushes. PRICE OF ALL CLIMBING ROSES: 25c EACH; 6 FOR \$1.25; 12 FOR \$2.25.

**CLIMBING AMERICAN BEAUTY**—Seedling from American Beauty with an admixture of Wichuriana and tea blood. Same as its namesake in size, color and fragrance, with the addition of the climbing habit. Better blooming qualities, good foliage, and has proven hardy and withstood heat and drought.

**CRIMSON RAMBLER**—Most popular out-of-door climber of today; a rapid producer of long, heavy canes, reaching a height of 10 to 20 ft. in a season; rich clusters of bloom form a mass of vivid-crimson beauty until late in the season. Perfectly hardy in the most trying climates, being a native of Japan.



White Killarney

**POLYANTHA OR BABY RAMBLER ROSES**

A class of miniature Roses derived from the Climbing Polyantha. They are dwarf habit and bloom so freely as to cover the entire plant with bloom all through summer and fall. The plants are splendid for bedding or as edging for borders, they are hardy. They are useful, either pot grown or for bedding purposes or for hedge effect. PRICE: ALL VARIETIES, 30c EACH; 6 FOR \$1.25; 12 FOR \$2.75.

**BABY RAMBLER**—Completely hides itself all summer; bright red.

**CATHERINE ZEIMET**—The white Baby Rambler; extra fine.

**BABY DOROTHY** (Pink Baby Rambler)—A prolific producer of pure pink flowers, with all of the good qualities of Crimson Baby Rambler.



# Hardy Climbing Vines

**ORDERS SHOULD REACH US BY MAY 1st AT THE LATEST**  
 Your home, outbuildings, fences and trunks of old trees can be made attractive by the use of hardy vines. Such permanent improvements add greatly to the value of property, and the value increases from year to year. We furnish nice, strong, field-grown plants at prices given below.

## HONEYSUCKLES

For real handsome vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles; the foliage is pretty, neat and clean, the flowers are almost continuous, and their fragrance delicious.

### HONEYSUCKLE HEDGES

Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it is wonderful what pretty hedges they make. Iron or wire fences are the best, but almost any kind is soon covered with a mantle of living green. Other climbing vines will answer the purpose, but sweet-scented Honeysuckles are both fragrant and beautiful. They should be planted two feet apart.

**MONTHLY FRAGRANT**—Red and yellow; very fragrant. Blooms all summer; leaves tinged reddish color. Large size, 75c; postpaid.

**HALL'S JAPAN**—A good strong growing, almost evergreen sort, with pure white flowers, size, 75c; postpaid. Very fragrant and covered with flowers from July to November. Large

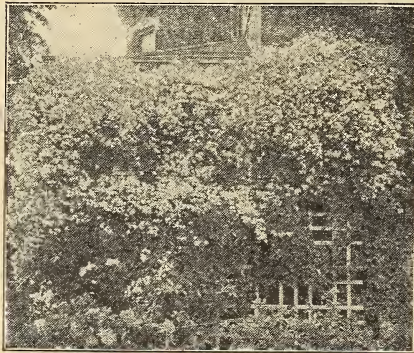


Honeysuckle, Hall's Japan

## HARDY VINES

**BOSTON IVY** (*Ampelopsis Veitchii*)—The grandest hardy climbing vine in existence for covering houses, churches, school, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. Price: 75c each; postpaid.

**ENGLISH IVY** (*Ampelopsis Englemanni*)—Of denser growth, shorter jointed and richer in effect than the common Virginia Creeper. Grows 6 to 10 feet in a season. Will cling to a brick wall without any extra support. Price: 60c each; postpaid.



Clematis, Paniculata

## WISTERIA

The Wisteria is particularly valuable for training over buildings, second floor verandas and wherever tall-growing climbers are wanted it is a vigorous, rapid grower, entirely hardy. The flowers are borne in large clusters.

**CHINESE PURPLE**—Of lovely, rich, violet-purple color, deliciously scented; beautiful. Large size, 75c; postpaid.

# Forest Tree Seedlings

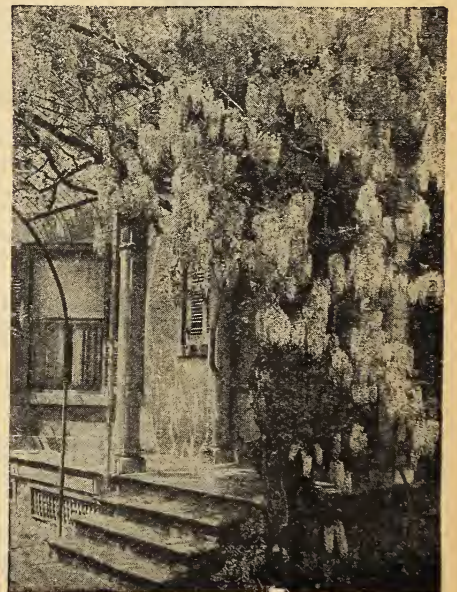
In some localities the surest way to get a start of forest trees is to plant one year seedlings or cuttings. We offer these to you at so low a price that you ought to include some with your order. The following list is one-year seedlings. Most of them are 12 to 18 inches high.

PRICES ARE POSTPAID

	Per 10	Per 100
ASH .....	1-year Seedlings..... \$0.25	\$1.50
BOX ELDER .....	1-year Seedlings..... .30	2.00
CATALPA, SPECIOSA .....	1-year Seedlings..... .25	1.50
ELM, American White .....	1-year Seedlings..... .35	2.25
LOCUST, Black .....	1-year Seedlings..... .25	1.50
LOCUST, Honey .....	1-year Seedlings..... .35	2.50
MAPLE, SOFT OR SILVER LEAVED .....	1-year Seedlings..... .35	2.50
MULBERRY, Russian .....	1-year Seedlings..... .35	2.50
OSAGE ORANGE .....	1-year Seedlings..... .25	1.50
RUSSIAN OLIVE .....	1-year Seedlings..... .60	5.00
WALNUT, Black .....	1-year Seedlings..... .40	3.50

WRITE FOR PRICES IN LARGER QUANTITIES

**WELL PLEASD** Farnas Co., Nebr.,  
 Gentlemen: I received the plants on my order and everything is growing nicely. The Sweet Scented Geraniums and Coleus are noticed by everyone. The Ferns are very nice and also the Smilax and Parlor Ivy.  
 May 29, 1922. S. L. MEYERS.



Wisteria



# Hardy Ornamental Shrubbery

The planting of shrubs, or perhaps combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesque-ness of a villa residence or country home. Shrubs around a house hide unsightly corners, and the hard, straight lines of the architecture; or grouped at a distance, by the side of walks, carriage drives and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. While the shrubs we send out are of large size, they are not so large but that they can be sent by parcel post.

Prices of ornamental shrubs are postpaid unless otherwise stated.

**BARBERREY THUNBERGII** (Japanese Barberry)—One of the best all-round shrubs for the Northwest, thriving under all conditions. Slender, graceful branches with fine bright green foliage, turning to brilliant crimson and orange in fall. Branches are covered with small yellow flowers in June, followed by scarlet berries that stay on bushes almost all winter. Barberry Thunbergii is not subject to rust, and may be planted anywhere. Price: 18 to 24 inches, 40c each; \$3.50 per 10, postpaid; \$50 per 100 by express.

**THE EVERBLOOMING BUTTERFLY BUSH** (*Buddleia Variabilis Magnifica*)—One of the most desirable summer flowering shrubs beginning to bloom in July. It continues until cut by severe frost. The flowers are of a pleasing shade of violet-rose, and are borne in dense cylindrical spikes, which, under liberal cultivation, are from 12 to 15 inches in length by 3 inches in diameter; it succeeds everywhere and flowers freely the first season planted. Price: Large size, 60c each.

**DOUBLE FLOWERING CRAB**—One of the most beautiful of the many fine varieties of flowering crabs. Tree of medium size, covered in early spring with large, beautiful, double fragrant flowers of a delicate pink color. From a distance the flowers have the appearance of small roses. Price: Large size, \$1.00 ea.

**ALMOND, DOUBLE FLOWERING PINK** (*Amygdalus*)—The Flowering Almonds are pretty dwarf bushes that bloom quite early and are very showy in spring. Their slender leaflets, upright branches are entirely hidden by stemless, very double flowers of pink color, resembling small roses. Grows to a height of 4 to 5 feet and blooms in May. One of the best flowering shrubs and highly recommended for the western states. Price: Large size, \$1.00 each.



Mock Orange or Syringa

**MOCK ORANGE OR SYRINGA** (*Philadelphus Coronarius*)—One of the very best of the old, well-known shrubs. It seldom or never fails to bloom. The fragrant and beautiful waxy white flowers appear in great profusion in June. In shape and fragrance they resemble the Orange blossoms, therefore the name. The shrub grows to a height of 10 feet; can be kept lower, though, by pruning. Often used for an ornamental hedge. Hardy everywhere and valuable for immediate effects in landscape planting. This is one of the most satisfactory shrubs for the Middle West, hardy, and it never fails to bloom and needs little care. To cover an unsightly alley in your back yard this and the Upright Honeysuckle are the best. Plant in this case about 4 feet apart. Price: Large size, 60c each.



Flowering Crab

**HYDRANGEA** (*Paniculata Grandiflora*)—This familiar old shrub is one of the most prominent factors during August and September, in brightening up the lawn and shrubbery groups. Single specimens, if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, stocky clumps of compact form, and are wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. Price: Large size, \$1.00 each.

**AMOR RIVER PRIVET**—Hardy. Foliage glossy green and holds its color well almost the entire season. Will stand shearing to any extent. Where the California Privet is not hardy, the Amor Privet should be planted. We recommend this Privet for all the states north of Missouri. It costs a little more, but will stand your climate and will be perfectly satisfactory. Price: Plants all well branched, 18 to 24 inch, 25c each; \$2.25 per 10 postpaid; \$20.00 per 100 by express.

**BUSH HONEYSUCKLE, RED TARTARIAN** (*Lonicera Tartarica*)—The best known of all the Bush Honeysuckles, and in our estimation the finest variety of all. Grows to a height of 8 to 10 feet with upright somewhat spreading branches and bright green foliage. The flowers are borne freely in May and June, and of bright pink color, followed by showy red berries which ripen in mid-summer and cling to the bush for several weeks. This fine shrub is of great value planted as a background for smaller shrubs. It withstands successfully the severest winters. Price: Large size, 65c each.

**FORSYTHIA** (*Golden Bell*)—Few, if any, of the spring flowering, hardy shrubs can surpass the splendor and brilliancy of the Forsythia. Of upright, vigorous growth, foliage rich, dark green and lustrous. Flowers brilliant, golden yellow, borne in great profusion early in April before the leaves appear. Price: 50c each.

Make 25c in five minutes. See pg. 25.



Hydrangea





Lilacs

## Evergreen Trees

### HARDY EVERGREENS FOR WINDBREAK AND HEDGE PLANTING

Strong, Heavy, Well Rooted Transplanted Stock for Express Shipment—Hardy Outdoor Spruces, Pines, Firs, Etc.

#### SAFE ARRIVAL GUARANTEED TO ANY POINT IN THE U. S.

Evergreen trees will bring a new beauty and charm to your home. There is unquestionably no better way of beautifying your place than surrounding it with beautiful Evergreens. As an ornamental tree, Evergreens are unsurpassed. No other trees remain green

through summer and winter none are more beautiful. But while their value in this respect is great, evergreens are useful in other ways. They protect houses, stock and crops from wind, sun and snow. They conserve the soil's natural moisture. They form a substantial shelter and nesting place for the birds that rid your acres of worms and destructive insects. They are a source of salable timber for fence posts and other uses. Plant some Evergreens around your garden and just see how much difference there is in the temperature and moisture. You will find that you can grow flowers, fruits and vegetables that you never could before.

These varieties have been thoroughly tested and proven absolutely hardy and reliable and will grow successfully in all parts of the country. Send in your order now. Shipment will be made during March, April or May—depending on the locality.



### WINDBREAK EVERGREENS

Price: Twice Transplanted—Twice Root-Pruned

	5	25	50	75	100
Medium Size 10 to 12 inches.....	\$2.25	\$10.00	\$19.50	\$27.50	\$35.00
Large Size 1 to 1½ feet.....	2.50	11.50	22.00	31.00	40.00
Extra Large 1½ to 2 feet.....	3.50	16.50	32.00	46.50	60.00
*Hill's Norway Spruce	Ponderosa Pine				
Colorado Douglas Fir	*Red Cedar				

\*Starred sorts denote leaders. If selection is left to us we will see that you get varieties best adapted to your locality.

Prices include careful packing for Express shipment. Complete planting instructions and cultural directions will be furnished with each order.

## ORNAMENTAL SHRUBS—Continued

**LILAC, PURPLE** (*Syringa Vulgaris*)—The old fashioned purple flowering kind, with its wealth of lovely fragrant flowers in May. Bush is a rapid, vigorous grower. Hardy everywhere. Price: Large size, 65c each.

**LILAC, WHITE** (*Syringa Vulgaris Alba*)—Similar to the above but flowers are borne in rather loose clusters, pure white and deliciously fragrant. Bush is an erect, tall grower. Price: Large size, 65c each.

**SPIREA VAN HOUTTE**—The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Clusters of 20 to 30 flat, white florets make up the racemes, and these clusters are set close along the drooping stem. Perfectly hardy and an early bloomer. Price: Large size, 50c each.

**SPIREA ANTHONY WATERER**—A new crimson-flowered variety. It makes a low, compact bush 15 to 18 inches high and is covered nearly the whole growing season with large umbels of deep crimson flowers. Perfectly hardy, it makes a fine, compact plant for low clumps or for bedding purposes. Price: Large size, 65c each.

**SNOWBALL, Guelder Rose** (*Viburnum Opulus Flora Plena*)—One of the favorites of old-time gardens. It grows into a magnificent high bush with upright branches and handsome foliage. It forms one of the most impressive sights of early summer, when its pure white, four-petaled flowers, borne in showy balls, are in bloom. Hardy everywhere. Price: Large size, 60c each.



Spirea Van Houtte (Bridal Wreath)

**WEIGELIA ROSEA**—An erect growing shrub while young, but gradually spreads and droops with age. The trumpet shaped flowers are large and a beautiful rose color. Very effective for grouping and borders. Price: Large size, 60c each.

### BEEKEEPER'S SUPPLIES

We handle a complete line of the A. I. Root Beekeeper's Supplies, and quote factory prices. Send for big complete catalog—IT'S FREE.



Snowball



# High Grade Fertilizer and Lawn Dressing

Gardeners and owners of lawns in the Middle West country have not yet comprehended the importance of intelligent application of fertilizers. Too often they, knowing the need of something, blindly try this and that at much expense and without results. The following is a list of fertilizers we have on hand at all times. We fully recommend these. Write us for quantity prices.

## Presto Lawn and Garden Fertilizer

A highly concentrated fertilizer, especially adapted to Nebraska soils. After much experimenting we have made a complete all-around fertilizer that contains the necessary plant food to give the young plants a quick and vigorous start, maintain a healthy growth, and develop vegetables and fruit.

For lawns make first application in the early spring when frost is out of the ground and again in the early fall. Distribute evenly 20 lbs. of fertilizer to every 1,000 sq. ft. of lawn. In seeding down new lawns, scatter double the amount, 40 lbs., of fertilizer to every 1,000 sq. ft. Rake thoroughly, then sow seed. Price: 1 lb., 10c; 5 lbs., 40c; 25 lbs., \$1.50; 100 lbs., \$5.00.



## Concentrated Tablets

A New Scientific Concentrated Fertilizer for Potted Plants and Vegetables

Takes the place of liquid manure. Used by dissolving in water. It starts the plants at once into healthy and vigorous growth and makes them bloom luxuriantly. Trial size box sufficient for 10 house plants for 3 months, 12c postpaid. Regular size box, sufficient for 35 plants for 3 months, 30c postpaid. Large size sufficient for 35 plants for eight months, 60c postpaid.

# STIM-O-PLANT

Is an excellent fertilizer for flowers, shrubs and vegetables. It is an odorless, highly concentrated plant food in tablet form. These tablets will increase production, heighten color and improve quality. Can be used the year round—from early spring until late fall outdoors, and during the winter for pot plants in the house. They can be used in tablet form or dissolved in water at the rate of one tablet to one quart. Complete directions with every package. Order Stim-U-Plant tablets with your seed and plant order. Price: 10 tablets for 15c; 30 for 35c; 100 for 75c; 1,000 for \$2.50; postpaid.

## Walker's Excelsior Brand Plant Food

Flowers are like people, their health depends upon their food. It must be nourishing, but not too rich to force growth and cause reaction. A chemically correct flower food for house plants. It has no odor whatever and can be used dry or dissolved in water for sprinkling. Use it and your flowers will flourish; their health will last. Trial size (enough for 10 plants 6 months), 15c postpaid. Small size (feeds 25 plants for 6 months), postpaid, 30c; not postpaid, 25c. Large size (enough for a year for 30 plants), postpaid, 50c; not postpaid, 40c.



## Steamed Ground Bone

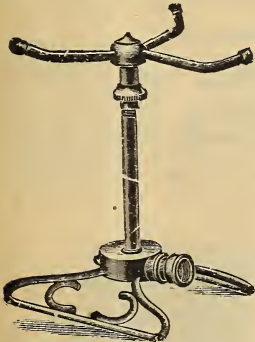
THE FINEST OF STEAMED BONE

This is finely ground and of first quality; it starts to decompose quickly so results from its use are soon apparent but it does not dissolve so fast as most chemical fertilizers so it continues for a long period its improvement in the soil fertility. It is less likely than other fertilizers to leach or waste. With bone there is no danger of burning the plants. It contains 23 per cent Phosphoric Acid, one of the principal plant foods. Use 3 to 5 pounds of bone meal for each tree and vine when setting out, working it in well around the roots. Apply at the rate of 100 pounds to 2000 square feet of lawn. Price: 5 lbs., 25c; 50 lbs., \$2.25; 100 lbs., \$4.40; by express or freight.

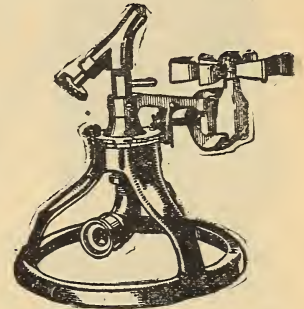
Best Quality of Lawn Grass Seed. See Page 34.

## Lawn Supplies Rotary Sprinkler

This sprinkler is the most practical, durable and efficient sprinkler devised for watering lawns or gardens, and is being used by thousands of lovers of a beautiful lawn or garden. It can easily be attached to your hose. It sprinkles in a circle or half-circle as desired, from a 3-ft. radius to a 40-ft. radius, covering every inch of the ground. It is better for your lawn or plants than sprinkling with a hose. It operates on any pressure from 15 lbs. up. The nozzle can be adjusted to any kind of stream. It pays for itself in water saved and convenience. Price: \$7.00 each, by express.



**ANACONDA**—One of the best Lawn Sprinklers. Price: Postpaid, \$2.00; not postpaid, \$1.90.



Rotary Sprinkler, mounted on stand for hose installation.



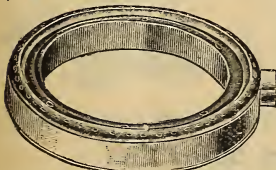
## Guaranteed Lawn Hose

Non-Kinkable—Light—Strong—Flexible—An indestructible moulded house for Lawn, Greenhouse, Stable, Garage. Made in continuous lengths up to 500 feet, which gives you any length you want and avoid leaky couplings. 1/2-inch, 15c per foot.

## Regular Guaranteed Hose

Will be replaced if not satisfactory—1/2-inch, 5-ply Elm Garden Hose in 50-foot lengths complete with fittings, \$6.50.

HOSE GASKETS (rubber washers), doz., 10c.



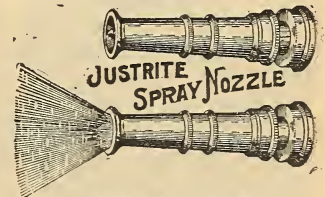
**THE RING LAWN SPRINKLER**—More beautiful than a fountain; more efficient than a shower. Price: Postpaid, \$1.00; not postpaid, 90c.

## Wooden Hose Mender

1/2-inch and 3/4-inch only. Price: Per dozen, 1/2-inch, 30c; 3/4-inch, 35c; postpaid.

## Galvanized Steel Hose Clamps

They are strong and serviceable. Price: 1/2, 3/8 or 3/4 inch size, 5c each; 50c per dozen; postpaid.



**JUSTRITE NOZZLE**  
Regular Hose Nozzles. Price postpaid, 75c; not postpaid, 65c.

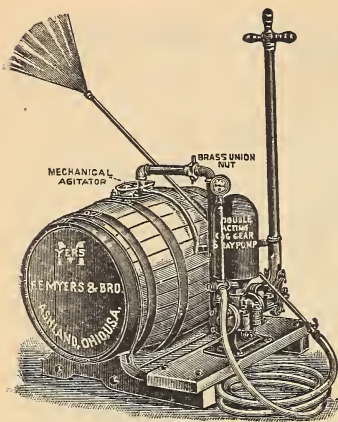


# Sprayers

## Myer's Duplex Back Gated Double Acting Spray Pump

No. R-316-B. This pump is built especially for heavy work. The 2-inch cylinder is brass lined. The plunger is brass, hemp-packed, and piston rod is brass. You can use any material hot or cold. It is fitted with large air chamber pressure tank, with 50-gallon barrel mounted on skids with pressure gauge, one 15-foot lead of 3/8-inch, 7-ply discharge hose, one Fembro Nozzle, one 8-foot pipe extension with lever shut-off, and mechanical agitator. Special features of this outfit are cog gear movement, increased leverage, device for spraying under heavy pressure, mounted complete, occupying smallest space. Capacity sufficient for eight nozzles. Well adapted for spraying potatoes or other vegetables in rows. Price, complete, 50.00

No. R-309-B... Same as R-316-B with pressure gauge, 6 feet of suction hose, one 15-foot lead of 3/8-inch, 7 ply discharge hose, one Fembro Nozzle, one 8-foot pipe extension but without barrel and skids. Price, complete, \$40.00.

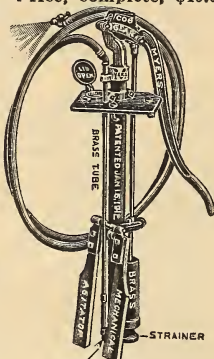


No. R-316-B

## Cog Gear Barrel Spray Pump

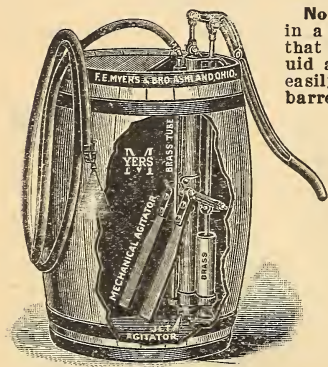
No. R-318 has bronze ball valve and brass seats. The plunger is brass fitted with hemp packing. Will handle hot, cold or any caustic mixture. The cylinder discharge pipes are all brass. The air chamber is 32 inches in length, enabling the pipe to throw a uniform, constant elastic spray. It has good leverage, is very powerful and easily operated. The malleable iron base fits an 8x8 inch hole. Price, without hose or nozzle or barrel, \$11.00.

R-318-B same as R-318 except fitted with one lead of 15-ft. hose with graduated Vermorel nozzle like cut. Price complete, \$15.00.



PAT JET AGITATOR  
No. R-318

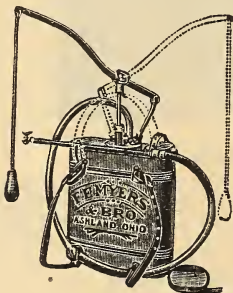
No. 305-B. This pump is made in a first-class manner. All parts that come in contact with the liquid are of heavy brass. It can be easily and solidly bolted to any barrel. The air being compressed into the chamber with a 2-in. all brass cylinder makes the spray continuous. A mechanical agitator and small jet of liquid from the pump keeps the ingredients thoroughly agitated. It sprays whitewash, calcimine, water, paints and any other liquid. Fitted with 15 ft. best 5-ply rubber hose, and graduated Vermorel nozzle complete as cut (except barrel). Price, \$14.00.



No. 305-B

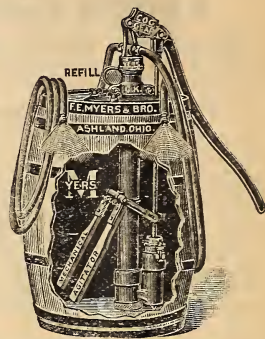
## Myer's Knapsack Spray Pump

No. 330-P. The tank holds five gallons. The pump has a large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with handle, so the operator can set the knapsack on the ground and work as a bucket pump. The handle lever can be shifted from right to left shoulder at will. Price, \$15.00.



## Extension Pipes

8-foot Iron Extension Pipe	\$0.65
8-foot Bamboo Extension with lever shut-off cock	4.50
10-foot Bamboo Extension with lever shut-off cock	4.75
12-foot Bamboo Extension with lever shut-off cock	5.00



R-308

## O. K. Cog Gear Spray Pump

No. R-308. For hot, cold, or any kind of mixture. Has mechanical agitator, solid ram plunger, ground beveled valve and set. The cog gear increases the leverage 33 1/4% over the ordinary plain handle. The malleable iron base, which is adjustable, is made for end or side of barrel; base for end of barrel is furnished regularly. If pump is wanted for side of barrel, it must be so stated on the order. The plunger is a solid brass tube with closed end; is outside packed and the packing is adjusted by two bolts. The air chamber is 2 1/2 inches and this with a cog gear handle, enables the sprayer to carry a pressure of 200 lbs. or more, if necessary. Price, without hose or nozzle as shown above, \$20.00.

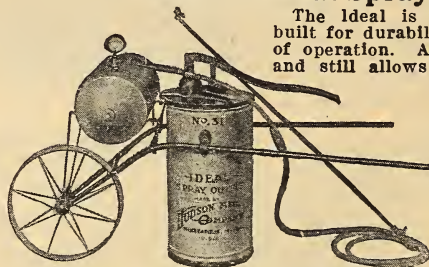
No. R-308-B. Same as above with one lead of 15-ft. of 7-ply 3/8-inch discharge hose and one fembro nozzle, \$26.00.

## No. 31 Ideal Sprayer

The Ideal is well designed and built for durability and convenience of operation. As light as possible and still allows ample strength in the completed machine. All working parts coming in contact with the liquid are made of brass.

You can pump up a pressure of 150 pounds and the machine will operate five minutes without further pumping.

No. 31, with air pressure tank (see cut), \$35. No. 30, without tank, \$25.00.



## Lenox Sprayer

For indoor spraying under the leaves and furnishing a mist-like spray covering every part of the plant and killing the insects, there is no better sprayer made. It fills a long-felt want and just what mother was looking for. It is a good sprayer for rose bushes and garden plants. Will reach vines 10 feet high. It is fine for the flower bed and for seeds newly sown as they will not wash out to the surface. If you like flowers you need this sprayer. Have one come with your seeds. A cake of tobacco soap free with each sprayer. Price 60c each; postpaid.



## The Myers Power Spray Gun

Length over all, 24 inches—Utilizes the Entire Capacity of any Spray Pump and does away with all Bamboo extensions, nozzles and fittings. It is furnished with three separate discs designed to deliver the entire capacity of the pump, either 4, 6, or 8 gallons per minute.



Fitted for 3/4-inch Hose Coupling and 1/4-inch Pipe. Price, \$6.00.



### Perfection Sprayer

Built on the best lines, of high-grade material and with the idea of turning out a sprayer which has none of the faults and defects so common in many knapsack sprayers. The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed. The hose is 3/8-inch cloth inserted and is equipped with our automatic shut off nozzle. This sprayer handles Whitewash, Water, Paints, Bordeaux Mixtures, etc., perfectly. These sprayers are made in galvanized steel or brass as ordered. All sprayers tested to 60 lbs. before leaving the factory.

Prices: Galvanized Steel, \$6.50; All Brass, \$9.50.

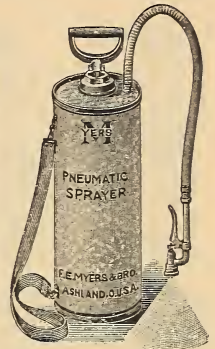


### Compressed Air Sprayer

NO. 296

This sprayer is made of heavy galvanized iron with 1 3/4-inch brass tube cylinder attached to the can by means of a heavy brass screw nut. The cylinder and handle is so attached to the sprayer that it can be carried by the handle if desired and is also easily removed when necessary. The nozzle is adjustable for a broad fine spray or long distance spray, throwing water 25 feet. A very desirable sprayer.

Price: No. 296, Galvanized .....\$6.00  
Price: No. 297, Brass ..... 9.00



Compressed Air Sprayer No. 296

### Banner Compressed Air Sprayer

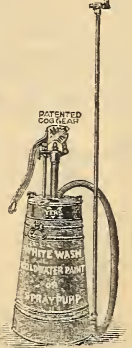
No. 22

The heavy galvanized steel tank is well riveted and will stand heavy pressure. It holds 4 gallons. The pump is brass, 2

inches in diameter, provided with brass casting with threads for screwing into tank. Nothing to corrode, rust or wear out. The handle easily locks into pump head for quickly loosening or tightening pump, also, for carrying sprayer. It is provided with adjustable strap for carrying sprayer over shoulder. It has a heavy 2-ft. hose, detachable for cleaning; spring wire to prevent breaking. The automatic brass nozzle throws long distance, fine mist, or coarse spray. Unexcelled for spraying garden vegetables, trees and shrubs; also used for whitewashing and disinfecting poultry houses and stables. Price: \$6.00.



Banner Compressed Air Sprayer No. 22



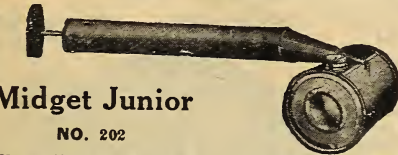
No. R-329

### Sprayer and Paint Machine

No. R-329. Sprays any liquid. Galvanized tank holds 1 gallon. Pump made of brass, brass ball valves, malleable handle. Has patent double agitator; is a most complete and serviceable outfit. Price: \$12.75.

### New Misty

Made of heavy tin; has the same size air chamber as our other styles, and the reservoir holds about one quart and throws a single spray straight ahead. Price, postpaid, 60c; by express, 90c.



### Midget Junior

NO. 202

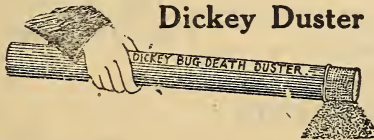
A small, well-made sprayer for household use. Will handle all kinds of liquids perfectly. The pointed nose of the pump passing through the tank makes it a very strong sprayer. Price, 45c, postpaid. By express, 35c.



### Easy Sprayer

This sprayer holds one gallon of liquid, is equipped with automatic shutoff lever nozzle, and made of heavy galvanized iron. Just as good as the larger sprayers only for size. Price, by express, \$2.25.

For use in applying dry insect powder.  
Price: 55c, postpaid; 50c by express.



### Dickey Duster

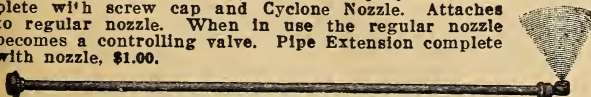
### Plant Sprinkler

None better for floral work. Made of the best quality of rubber and will outwear any other sprinkler. Price, \$1.60, postpaid. By express, \$1.50.



### Extension for Compressed Air Sprayer

Pipe Extension for Compressed Air Sprayer is complete with screw cap and Cyclone Nozzle. Attaches to regular nozzle. When in use the regular nozzle becomes a controlling valve. Pipe Extension complete with nozzle, \$1.00.



IT PAYS TO SPRAY

### Little Giant

No. 327 1/2

Complete with agitator, hose, fine and coarse spray and solid stream nozzle with malleable foot rest, will throw a stream 50 feet; 28 inches high. Made of 1 1/4 inch brass tubing. Price: \$4.25.

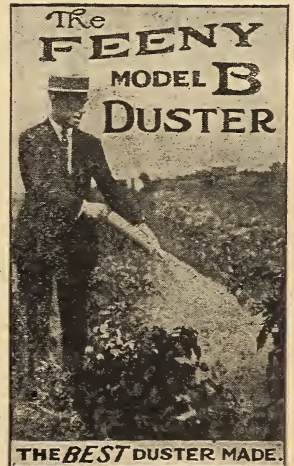


No. 327 1/2

Spray mixtures and insecticides are listed on page 65.

### Feeny Duster or Powder Gun

Save your garden with a Feeny Model B Duster. The dust cloud covers every surface of every thing that is to be dusted—top sides, undersides and all; hunt every crack and crevice; nothing escapes being treated. It does the job completely. Why waste your time and material with make-shift dusters? The duster is well made throughout; nothing to wear out, and should last for years. Price: \$1.15, postpaid, by express, \$1.00.



THE BEST DUSTER MADE.

Ask for Our Bee Supply Catalog

Prices Subject to Change and Do Not Include Postage, Express or Freight Except Where Noted





## STERLINGWORTH CUT WORM KILLER

We now offer **STERLINGWORTH CUT-WORM KILLER** as a preparation which is quick and sure in effect and non-poisonous to animals. It is so alluring to Cut Worms that they are irresistibly attracted to it and eat it in preference to any vegetation. Dead Cut Worms may be seen wherever there are Cut Worms and Sterlingworth Cut Worm Killer has been used. Order Sterlingworth Cut Worm Killer when you buy seeds and

have it on hand ready when needed. One pound for 175 plants when in hills and 100 lineal feet when in rows. Satisfaction guaranteed or money refunded. Chickens and birds are not poisoned by it. Full directions with each package. Price: 1 lb., postpaid, 40c; not postpaid, 35c; 5 lbs., postpaid, \$1.65; not postpaid, \$1.50; 25 lbs., \$6.00.

## Tobacco Dust

One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. Price: 1 lb., postpaid, 15c; not postpaid, 10c; 5 lbs., 40c; 10 lbs., 75c; 50 lbs., \$3.50; 100 lbs., \$6.00.



## Fish Oil Soap

### Whale Oil Soap

A wash for insects and eggs on the bark and for smearing the trunks of trees to prevent worms from crawling up. Price: 40c per lb., (mail weight, 2 lbs.); 5 lbs., \$1.75 (mail weight, 6 lbs.); 10 lbs., \$3.25.

## Ant Driver

This is effective against most of the known species, especially the small red and black ant, which are most troublesome in this country. Price: postpaid, 40c; not postpaid, 30c.



## Sulpho-Tobacco Soap

Is a powerful agent for the destruction of all bugs and insects. Of special value for spraying roses, shrubs and vines. One or two applications will rid plants of the pests. Full directions with each cake. 3 oz. cake makes 1½ gallons, 12c, postpaid; 8 oz. cake makes 4 gallons, 28c, postpaid; 10 lb. cake makes 80 gallons, \$3.00, by express, your expense.

## "Red Snapper" Plant Soap

It is used as a bath and spray for flowers. When used as a bath, a small quantity is diluted with water in the shape of suds in a pail or tub, and plants are dipped directly into the solution. Ferns and large plants are sprayed with the solution, being careful that the under side of the leaves are thoroughly wet. As this soap combines the three well-established and generally used essentials of insect killing elements, extract of tobacco or nicotyl, sulphur and fish oil soap, it saves the annoyance of keeping several kinds of insecticides on hand.



"Red Snapper" Plant Soap. "A bath for flowering plants" and a sure cure for the insect pests. 25c postpaid.

## Nox-Em-All Gopher Tablets



Kills Pocket Gophers, Ground Squirrels, Prairie Dogs, Ground Hogs and Other Rodents.

Don't let the Pocket Gophers ruin your alfalfa fields. Don't let the Ground Squirrels spoil your corn stand. Don't permit the prairie dogs to lay waste your fields that would otherwise produce crops. It's easy to poison them. A little time in the early spring will rid your farm of these destructive pests.

**NOX-EM-ALL GOPHER TABLETS** are the most effective poison we know. They are sure death to Pocket Gophers, Ground Squirrels, Prairie Dogs, Ground Hogs and other field Rodents. They are made of tidbits especially attractive to these pests which eat them greedily. They are easy to use—sure in results. Buy them—use them and save your crops. Directions printed on each package. Put up in two sizes, 200 tablets, 50c; 500 tablets, \$1.00.

## Little Giant Mole Trap



Self-setting, simple, safe and sure. The cheapest good trap on the market. Has steel wire coiled spring Japanese; entire trap double tinned, rust-proof. In the early part of the season the mole run shows above the ground and all that is necessary is to press on the runway with the heel, closing it for a few inches, and set the trap directly straddle of the run. Don't let the mole ruin your lawn or garden; you can be rid of them easily by using a Little Giant Mole Trap. Price: \$1.15 postpaid; \$1.00 not postpaid.

We carry a complete line of Bee-keeper's Supplies; ask for Bee Supply Catalog.

## RAT CORN



If you have rats or mice use Rat Corn. No matter whether you have one rat or a thousand, Rat Corn will do the work. One can of Rat Corn is better than a dozen cats. It mummifies your rodents; they leave no odor, become hard and dry as leather. Harmless to human beings. Priced in three sizes: 30c, postpaid; not postpaid, 25c; 57c, postpaid; not postpaid, 50c; \$1.10, postpaid; not postpaid, \$1.00.

## REEDS AND RAFFIA

### RAFFIA—FOR BASKET MAKING

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long banks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining as it does, softness and flexibility with great strength. The strands average three feet in length, this gives it a decided advantage over splints and grasses.

Besides the natural shade, we have it in 14 different colors, Black, Gray, Navy Blue, Light Blue, Old Blue, Purple, Light Brown, Dark Brown, Dark Green, Bright Green, Pink, Bright Red, Dark Red, and White, a sample of which will be mailed upon request.

Colored, per bunch	\$.10	Natural, per lb.	.35
Colored, except white, gray and old blue, ½ lb.	.75	Natural, 5 lbs., per lb.	.30
White, gray and old blue ½ lb.	1.10	Raffia Needles, 6 for	.10
Natural, per bunch	.05	Book of Basket Making Instructions	.50

Add 10c per lb. for postage and packing.

### REEDS (RATTAN)

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height and found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work. This is the true natural reeds or rattan which we could not secure during the war, but are now glad to offer.

No. 1	Bunch	½ lb.	lb.
No. 2	\$.10	\$1.10	\$2.00
No. 3	.10	1.00	1.90
No. 4	.10	.95	1.75
No. 5	.10	.90	1.65
No. 6	.10	.70	1.25
No. 7	.10	.50	.90

Add 10c per lb. for postage and packing.

CANNOT BE SENT BY MAIL UNLESS POSTPAID PRICES ARE GIVEN

PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED



# Spray Mixtures and Insecticides

## Paris Green

An insoluble, poisonous powder for potato bugs, codling moth, worms, caterpillars, slugs and bugs. Applied as a powder it should be mixed with plaster or flour, 100 parts to 1 part of Paris Green; in solution mix 1 pound in 200 to 300 gallons of water. Price: ¼ lb. pkg., 20c; ½ lb. pkg., 35c; 1 lb. pkg., 65c; 5 lb. pkg., \$2.75.

## Arsenate of Lead—Powdered

May be used as either a dust diluted with hydrated lime, plaster or road dust, or as a liquid spray with water, lime-sulphur solution or Bordeaux, only half the weight is needed as of the paste form. Price: ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.85; 25 lbs., \$8.00; 50 lbs., \$16.00.

## Bordeaux—Powdered

Requires 1 to 1½ pounds to 10 gallons of water as fungicide spray. Price: 1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$3.10; 25 lbs., \$6.75; 50 lbs., \$12.50.

## Sure Noxem—Powder Form

Insecticide—to Most Leaf-Eating Insects  
One of the best vegetable insecticides in use. Specially recommended for destroying worms and insects.

Use it on Cabbage, Cauliflower, Tomato Plants, Cucumber Vines, Melon Vines, Currant Bushes, Gooseberry Bushes, Vegetables and Flowers of all kinds attracted by leaf-eating insects. Price: 1 lb., 20c; 5 lbs., 60c.

## Lime Sulphur Solution

For scale insects on trees and such fungus bark diseases as can be treated in winter. Dilute and apply with a spray pump while trees are dormant, in fall, winter or spring. Price: Quart can, 40c; ½ gal. 70c; gallon, \$1.00. 5 gallons, \$4.25.

## He-Bo

Substitute for Hellebore  
For use against rose slugs, currant worms, cabbage worms, and many other leaf-eating insects where a milder poison than Paris Green is desired. Dust on vegetation. Put up in sprinkler top boxes. Price: ½ lb., 30c; 1 lb., 50c; postpaid; not postpaid, ½ lb., 25c; 1 lb., 45c; 10 lbs., \$2.65.

## "Black Leaf 40"

Very effective for sucking insects such as plant lice, red spider, leaf hopper, thrip, etc., sprayed on. Dilute 2 teaspoonsful to a gallon of water. Price: 1-oz. bottle, 35c; ½-lb. tin, \$1.25; 2-lb. tin, \$3.50; 10-lb. can, \$13.50.

## Nico-Fume Liquid

For fumigating or spraying; contains 40 per cent nicotine. Price: ¼ lb., 75c; 1 lb., \$2.25; 4 lbs., \$8.00; 8 lbs., \$15.00.

## VAYCIDE INSECTICIDES AND FUNGICIDES

ARE SOLD ON A MONEY-BACK GUARANTEE

If they don't accomplish what we claim and what you expect, the purchase price will be refunded with out question. This rigid guarantee is made due to the fact that Vaycide Insecticides and Fungicides have proven absolutely satisfactory.

## Black Death

Is a fine, gray powder highly concentrated and absolutely the most destructive combination insecticide for all insects that eat or chew foliage, on the market. It will kill many sucking insects by contact, will stop many forms of mildew and correct many forms of blight or fungi. It is very effective against melon, cantaloupe, squash and tomato borers. It will not injure the foliage of a plant. It can be used on vegetables even though the vegetables are to be eaten a few days after applying because it is easily washed off. Full directions on each box. Price: 1-lb. box, 25c; 3-lb. box, 50c; 5-lb. box, 75c.

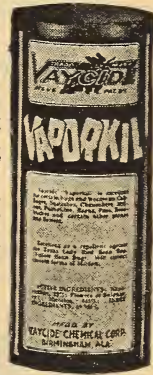
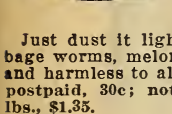
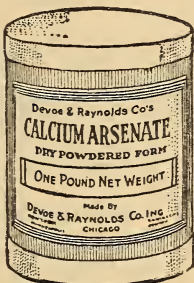
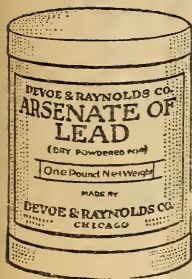
## Blight and Bug Mixture

Is a combination insecticide and fungicide and is widely known, being used by thousands of gardeners to great advantage for the prevention of many forms of blight that attack tomatoes, beans and cabbage. It is used extensively by flower growers for the prevention of blight on many kinds of flowers. It is of double value as it will kill on both vegetables and flowers practically all bugs and worms in the leaf-eating or chewing class, and will act as a preventative against many forms of blight or fungi. Full directions on each box. Price: ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 3 lbs., \$1.25.

## Vaporkil

Is a non-poisonous insecticide that kills insects by suffocation. It is one of the few really effective insecticides that can be sent through the mails. It is a highly-concentrated gray powder consisting only of the best known drugs for the prevention and extermination of many garden insects. It is effective against potato bugs, cabbage, tomato, cucumber and melon worms, and many insects that infest flower gardens. It is effective against mildew on roses and is an excellent deodorizer. Bugs will not come around gardens where Vaporkil is used. Have it on hand and use it from the start and your garden will look healthy during all steps of its growth. Price: 1-lb. box, 35c; 3-lb. box, \$1.00; 5-lb. box, \$1.50. If by mail, add 5c for 1-lb. box, 10c for 3-lb. box, and 15c for 5-lb. box.

**CANNOT BE SENT BY MAIL UNLESS POSTPAID PRICES ARE GIVEN  
PRICES OF INSECTICIDES AND SPRAY MIXTURES SUBJECT TO CHANCE**





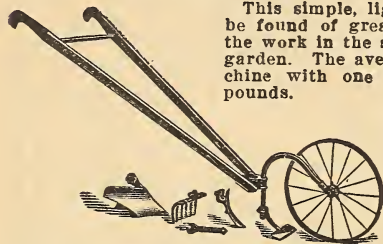
# IRON AGE Garden Implements



NO. 306 R. COMBINED DOUBLE AND SINGLE WHEEL HOE, HILL AND DRILL SEEDER. Packed weight 75 lbs., price \$21.25.

A practical tool for the market gardener; will sow all kinds of seed from Celery to Beans with the greatest regularity. Can be changed instantly from drill to hilldropper which will drop seed 4, 6, 8, 12 or 24 inches apart. Complete with cultivators, rakes, hoes, plows.

- No. 306 as cut.....\$20.00
- No. 316 Hill and Drill Seeder only, no tools.....\$15.25

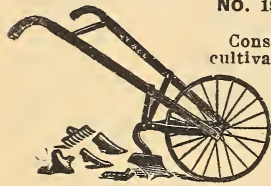


This simple, light weight machine will be found of great service in simplifying the work in the small vegetable or flower garden. The average weight of this machine with one working tool is but 8 pounds.

No. 11, like cut but with plow only, \$4.75.

No. 12, complete, like cut, 4 tools, \$6

## NO. 19C WHEEL PLOW AND CULTIVATOR



Consists of plow, rake, scuffle hoe, two cultivator teeth. The plow is used for breaking ground, opening furrow, and cultivating. The rake for levelling, raking and cultivating the crops while they are small; the scuffle hoe for breaking the soil, which may become hard from rain, baking or stamping; the two cultivator teeth for making small furrows, deep cultivating, etc. Price, complete with 5 tools, \$5.25.

## NO. 1007 E. P. SEVEN TOOTH CULTIVATOR.

Price, as in cut, \$9.50.

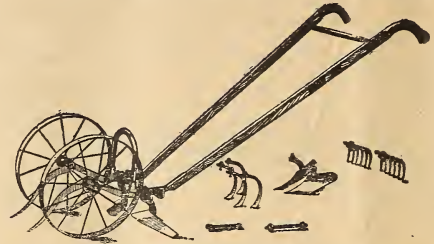


No. 1014 E. P. Price without lever expander or wheel, \$8.50.



ASK FOR SPECIAL IRON AGE CATALOG OF HAND TOOLS, HORSE TOOLS, SPRAYERS, POTATO PLANTERS AND DIGGERS

WRITE FOR IRON AGE CATALOG



NO. 301 DOUBLE AND SINGLE WHEEL HOE  
Packed weight, 40 lbs.

An indispensable machine to the market gardener or anyone cultivating a garden. This machine complete with all attachments.

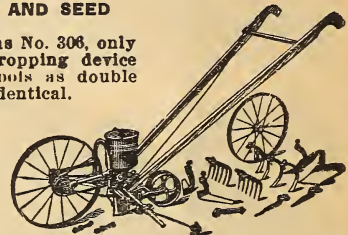
- No. 301-R, Complete (like cut).....\$12.25
- No. 301, Like cut without Rakes.....11.00
- No. 303, With Side Hoes only.....8.00
- No. 313, With Side Hoes and Teeth.....9.50
- No. 327, Same as 301-R without hoes and Rake but with disc 14.00

## NO. 304 COMBINED HOE AND SEED DRILL

This machine is the same as No. 306, only that it has not the drill-dropping device and opening plow. Both tools as double and single wheel hoes are identical.

No. 304, Same tool as No. 306, except does not drop in hills, \$19.50.

No. 318, Drill Seeder only, \$18.50.

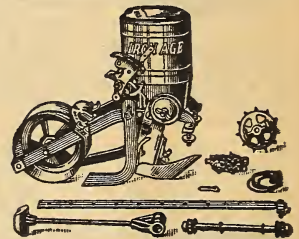


## SEEDER

### ATTACHMENT

Fig. 333, Drill only, Price \$8.75

Fig. 334, Hill and Drill, Price, \$9.25



## FIVE TOOTH CULTIVATOR

No. 609 E. L. Complete with lever expander and lever wheel, \$10.50.

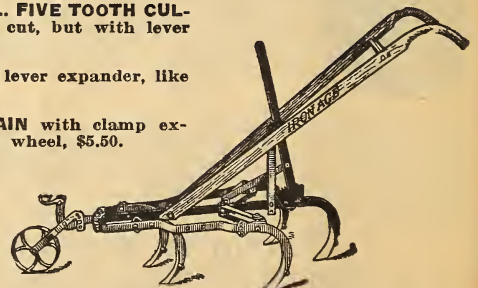
No. 600 E. P., like 600 E. L. but with plain wheel, \$9.75.

No. 607 E. P. SEVEN TOOTH CULTIVATOR complete with lever expander and plain wheel, \$9.00.

NO. 1000 E. L. FIVE TOOTH CULTIVATOR like cut, but with lever wheel, \$9.00.

1005 E. with lever expander, like cut, \$7.50.

No. 1005 PLAIN with clamp expander and no wheel, \$5.50.





# Planet Jr. Garden Tools

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow—Price complete, \$18.00. No. 4D, as a seeder only, \$14.50.

No. 12 Double Wheel Hoe, Cultivator and Plow—Price, 11.50.  
No. 19 Planet Jr. Single Wheel Hoe Cultivator and Plow—Price, \$5.75.

No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow—Price, \$22.00.

No. 31 Planet Jr. Combined Drill, Seeder, Wheel Hoe, Cultivator and Plow—Price, \$12.50.

No. 103 Planet Jr. Combined Horse Hoe and Cultivator, complete with lever expander—Price, \$13.50.

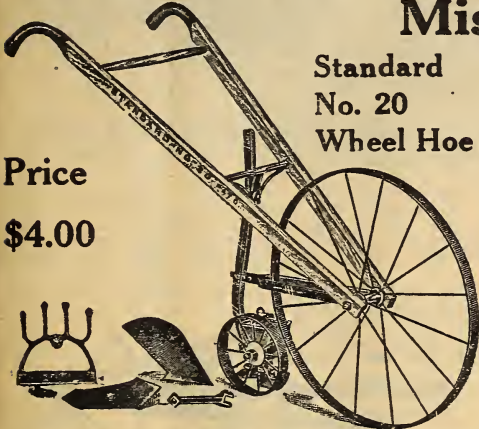
No. 90-D Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer, without pulverizer or wheel, \$11.50.

WRITE FOR PLANET JR. CATALOG.

## Miscellaneous Tools

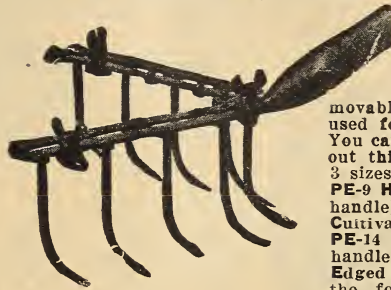
Standard  
No. 20  
Wheel Hoe

Price  
\$4.00



This cultivator has five combined tools as shown in cut. Is light, yet strong. All tools made of steel as hard as a saw and nicely polished. Strong, tangent spokes, 24-in. wheel. Price, \$4. Wheel Hoe and Midget Drill Combined, \$7.25. Midget Drill (see page 68.)

The Pull Easy Garden Cultivator



One of the handiest tools for your garden. It is adjustable from 7 to 18 inches. The center tooth is removable so that it can be used for straddling the row. You cannot afford to be without this tool. It is made in 3 sizes.  
PE-9 Hand Cultivator, (4½ ft. handle), \$1.60; PE-12 Junior Cultivator (12 in. handle) 50c; PE-14 Junior Cultivator (4 ft. handle), 60c; PE-15 Two Edged Hoe that cuts on both the forward and backward motion, 50c.

Garden Trowels



No. T15. Six inch. One piece crucible socket. Trowel Blade Half Enamelled and green enameled. Well finished long handle. Postpaid, 60c; not postpaid, 50c.



No. T20. Six inch. Rolled steel riveted blade. Half polished and green enameled blade. Postpaid, 40c; not postpaid, 30c.

No. T22. Six inch. Cold Rolled Steel. Bright Blade. Malleable Shank. Postpaid, 30; not postpaid, 25c.



No. T25. Six inch. Transplanting. One piece heavy rolled steel. Postpaid, 25c; not postpaid, 20c.

HEDGE SHEARS

Very useful for trimming hedges. 6-inch, \$1.60; 9-inch, \$2.20.

WATER'S TREE PRUNER

Has cast steel single blade. Wood pole, 8-foot handle, \$3.00; 10 foot handle, \$3.25, by express.



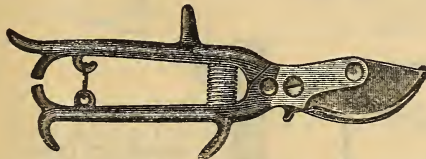
GRASS SHEARS

No. R4. Good quality shear; blade 6 in. long. Natural finish. Postpaid, 60c; not postpaid, 50c.



THE PERFECT GRASS HOOK

No. 33. Forged from Cutlery Steel; top side Full Polished. Turned Maple Handle. Postpaid, \$1.05; not postpaid, 85c;



No. R-10—Pruning shear. Cast Handles. 8½ inch. Postpaid. 65c; not postpaid. 60c.



No. V12—Pruning Shear. Forged tool. Steel Blade. 9 inch. Postpaid, \$1.35; not postpaid \$1.25.



No. 30 PRUNER

The best grade of forged steel. Handles 20 inches long. Price, \$2.50, by express.

No. 30 PRUNER. A good grade steel, with polished blades. Similar to above but not quite as heavy. Price: \$1.75, by express.

**LANG'S**  
**HAND**  
**WEEDER**  
**HANDIEST**  
**TOOL**  
**ON EARTH.**

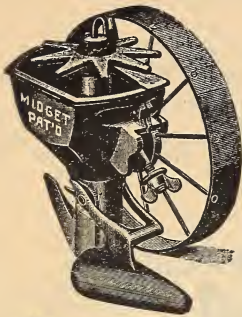
Price, postpaid, 35c; not postpaid, 25c.

PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED



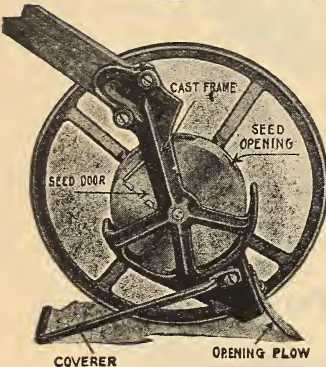
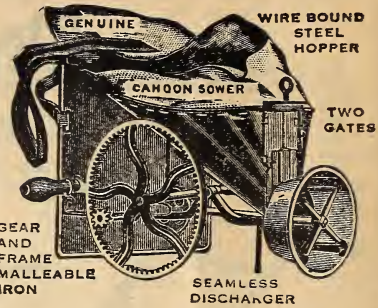
## Seed Sowers and Planters

### A New Midget Drill Cahoon Seeders



**SOWS ALL SEED**  
This is just the drill for the little garden. It stands about 8 inches high and will sow a 5c package of seed just as well as larger amounts. Can be attached to a wooden handle and used in a hotbed or greenhouse. Hopper holds 1 pint. The machine is made as good as larger ones. Index shows how to set. It can be attached to a No. 20 Standard Wheel Hoe. Price, \$3.50 each.

The Cahoon Broadcast Seed Sower is a compact easily operated machine and is guaranteed to give satisfaction in every way if used according to instructions. The grain is held in a tight sheet-iron hopper, surrounded by a bag which will hold a bushel of seed. It is without doubt the best machine of its kind. Price, \$5.00 by express.



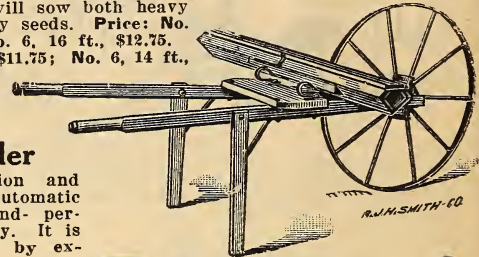
### Eureka Seed Drill

It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinnach, turnips and all such seeds with the greatest regularity, much better and faster than hand work. It is not a toy, but a strong, practical machine. Of course when you have a large garden, you will want our Iron Age Drill, but for a few vegetables the Eureka is superb. It is the only machine suited to sow in a hotbed. Sows the smallest packet of seeds as well as a large bulk. Price, \$1.75, postpaid; by express, \$1.60.

### Thompson's Wheelbarrow Seeder

Sows Clover, Timothy, Alfalfa, Red Top, Orchard Grass, Flax, Brome Grass and all Grass Seeds. No job of seedling too large for this machine. Runs easy. Sows 25 to 40 acres per day, so close to the ground that the wind can never blow the seed away, insuring the operators a good even catch. Strong and durable. We know of these seeders being in use 30 years which are thoroughly good and effective today.

Order THE THOMPSON and you will get the best, a seeder that will sow both heavy and chaffy seeds. Price: No. 12, 25; No. 6, 16 ft., \$12.75; 1, 12 ft., \$11.75; No. 6, 14 ft., \$11.75.



### Corn Planters

No. 6. Good reliable two-hand planter. Price, by freight or express \$1.25.

No. 11. Segment one-hand corn planter, adjustable for planting all kinds of corn. Is well made in every way.

Price, by freight or express, \$1.75.

SEED CORN LISTED ON Page 35.

No. 11



No. 6

### Cyclone Seeder

Simple in construction and easy of operation; has automatic regulator and cutoff, and performs its work perfectly. It is practical. Price, \$2.00, by express.



TUBULAR HAND POTATO PLANTER. Price, \$1.75 by express.

ACME HAND POTATO PLANTER

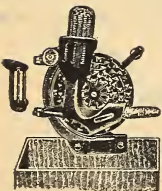
Price, \$1.25 by express.



Acme

### Corn Sheller and Tipper Combined

A fine sheller for hand use. It butts and tips your corn and then shells it, throwing the cobs out at the rear, away from the shelled corn. It has an attachment for shelling popcorn. Strong, well-made and will last a life-time. Price, \$2.00.



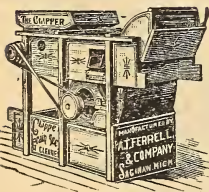
### The "Clipper"

The "Clipper" Farm Grain and Seed Cleaners—The Clipper Cleaner weighs every seed and kernel, rejecting the light and worthless seed. Has no equal at any price. It is well made, nicely finished, light running. Satisfaction guaranteed.

No. 1-B—Capacity—Wheat or other grain 20 bu. per hour. Clovers, Alfalfa and other seeds 10 bu. per hour. \$35.00.

No. 2-B—Capacity—On wheat or other grain, 25 bushels per hour. Capacity on clovers or other fine seeds, 15 bushels per hour. Price, \$23.50.

Send for catalog of fanning mills.



### Master's Rapid Plant Setter

Is a practical tool for transplanting cabbage, tomatoes, tobacco, sweet potatoes, cauliflower, peppers, egg plants, strawberries and all similar plants. Each plant is set, watered and covered in one operation. There is no stooping or bending over. Just straight ahead, easy, pleasant work. All of the hard, tedious work of hand setting is done away with. One man will set more plants than three men can do by hand and do it better and easier. It does perfect work and every plant will grow. Any man with ver; little practice can set 12,000 plants per day. The setter is 30 inches tall 6 1/2 inches wide and carries water for 125 to 150 plants at each filling. It is very durably constructed and will last for years. Satisfaction guaranteed. Price, \$6.00.





# BUCKEYE INCUBATOR

SOLD ON 40 DAYS' TRIAL

With an Absolute Guarantee to Hatch Every Hatchable Egg. This is a Guarantee that Means Something

The Buckeye is GUARANTEED to hatch MORE CHICKS and STRONGER CHICKS than any other incubator.

It is further guaranteed: To require no artificial moisture. To operate satisfactorily in any temperature down to freezing, and to require no attention to the regulator from the time a hatch is started until it is finished.

The perfect construction of all its mechanical parts is also guaranteed, and any incubator or part thereof that does not fulfill our guarantee in every particular, will be replaced without question any time within 40 days.

Over four hundred thousand (400,000) satisfied users represent the proof that we offer in support of Buckeye superiority—little breeders, big breeders, beginners, experts—breeders that include every class from boys and girls with a little 60-egg machine—up to the tremendous poultry plants with capacities of 50,000 eggs and more—all uniting in the same verdict.

It is no longer considered a feat to build an incubator that will hatch "some" chickens from "some" of the eggs placed in it (there are many such incubators on the market), but the successful incubator is the MACHINE THAT WILL HATCH A CHICKEN FROM EVERY HATCHABLE EGG—the



SEND FOR BIG BUCKEYE INCUBATOR AND BROODER CATALOG.

vigorous kind of chicks that start to grow the moment they are hatched, and continue to grow without forcing or doctoring.

### BUCKEYE PRICE LIST

No. 14, Style E—Capacity 60 Eggs.....	\$16.50	No. 1, Standard—Capacity 110 Eggs.....	37.50
No. 15, Style H—Capacity 60 Eggs.....	20.00	No. 2, Standard—Capacity 175 Eggs.....	44.50
No. 16, Style E—Capacity 110 Eggs.....	27.50	No. 3, Standard—Capacity 250 Eggs.....	57.75
No. 17, Style E—Capacity 200 Eggs.....	36.75	No. 4, Standard—Capacity 350 Eggs.....	68.00
No. 60, Standard—Capacity 60 Eggs.....	25.00	No. 5, Standard—Capacity 600 Eggs.....	107.00

## Sure Hatch Incubator

The best hatcher built for the money. For the past several years we have had more or less calls for a medium priced incubator, but as we will not sell a thing that we cannot guarantee it took us some time to find one that measured up to the specifications desired. We had our eyes on one a long time before we could get the agency. We have known for a long while that the SURE HATCH is the best incubator for the money, and now that we have the agency, we offer you the SURE HATCH INCUBATOR, believing if you buy one you will be well pleased.

The sides and ends of the Sure Hatch Incubators are made with two distinct walls of redwood. The space between these two walls is airtight to provide a dead air space for insulation.

The heating is done with the best hot water system. The tank and the heater are both made of the best Pure Lake Copper, which will last many years. An incubator to be of good service must have a strong heating device to warn the machine to the proper temperature during the cold weather, which is the most profitable time for setting the machine.

### SURE HATCH PRICES

No. 100—100 to 120 Egg, complete with all fixtures.....	\$22.75
No. 150—150 to 170 Egg, complete with all fixtures.....	27.50
No. 200—200 to 220 Egg, complete with all fixtures.....	33.50
No. 250—200 to 220 Egg, large lamp bowl, holds enough oil for one hatch, complete with all fixtures.....	36.50

Ask for Sure Hatch Catalog

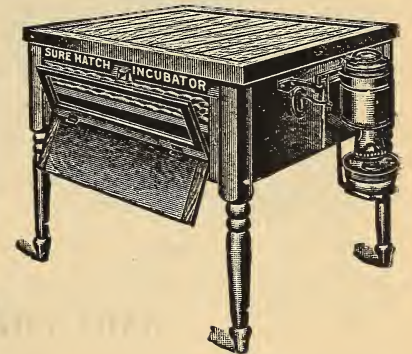
## BUCKEYE INCUBATOR AND BROODER REPAIRS

### INCUBATOR PARTS

Regulating Nut .....	\$0.25
Regulating lever (with damper).....	1.00
Filler caps for all incubator tanks.....	.35
Damper .....	.25
Drain cap and collar.....	.25
Lamp chimney .....	.50
Burner No. 35 (fits incubators Nos. 1, 2, 14 and 16).....	.75
Burner No. 300 (fits incubators 3, 4, 5 and 17).....	1.00
Lamp bowl .....	1.00
Connecting rod .....	.25
Thermometer .....	See page 75
Egg tester .....	.50

### BROODER PARTS

Wafer Thermostats, each.....	\$0.50
Lower Regulator Arm.....	1.00
Ash Pan .....	.50
Ash Pit door.....	1.00
Shaker Handle .....	.50
Baffle Plate .....	1.00
Stove Lid .....	.75
Check Draft Protector.....	.50
Check Draft Cover .....	.50
Connecting Rod for Regulator.....	.25
Upper Regulator Arm.....	1.50
Regulator bolt with wing nut.....	.20



When ordering parts, be sure to mention style and size of incubator or brooder for which parts are wanted. If you do not find what you want listed here, let us know and we will get it for you.

PRICES DO NOT INCLUDE POSTAGE. EXPRESS OR FREIGHT EXCEPT WHERE NOTED  
SEND FOR BIG BUCKEYE INCUBATOR AND BROODER CATALOG



# GRISWOLD'S BABY CHICKS

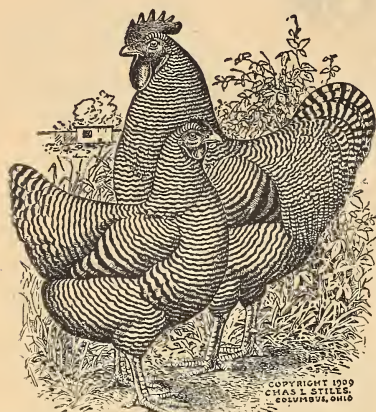
Baby chicks are a great specialty with us. They are hatched in one of the largest hatcheries in the West in Mammoth Buckeye Incubators. We do not have to pick up our chicks in a hap-hazard way, neither do we accept any inferior stock from our sources of supply. The farms and flocks of breeders that supply the eggs for hatching the Baby Chicks have all been carefully inspected, the flocks being culled to insure the highest quality of utility stock, true to name, and full of vitality. We have sold baby chicks for a number of years and believe that the vitality of the chicks depends to a large extent upon the quality and vigor of the stock from which the eggs are secured, and we have been very careful that these flocks have been thoroughly inspected. We have confined the number of breeds that we handle to the more common kinds, preferring to develop a number of the leading breeds.

## BOOK YOUR ORDERS IN ADVANCE

We have anticipated a very active season in the sale of baby chicks and have arranged for a large supply, but, as is the case nearly every spring, a great many are disappointed in getting their chicks at a specific time, we cannot too strongly urge that orders be placed in advance. All orders are filled in the order they are received. We will book your order for future delivery on a deposit of 25%, and the balance one week before date of delivery will insure delivery. No chicks sent C. O. D. We ship by Parcels Post. Write name and shipping instructions plainly.

## CARE OF BABY CHICKS

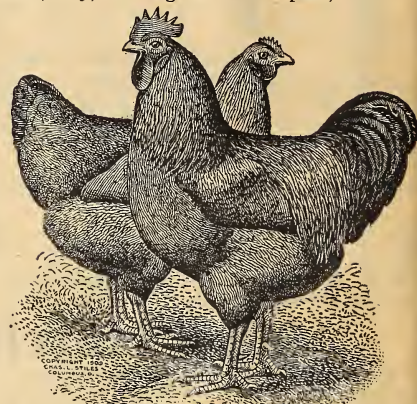
Prepare a place for them with a complete equipment before they are due to arrive from the hatchery. This should include a clean, dry, well-lighted floor space, ventilated but not draughty. An electric, oil,



Barred Rocks, standard weights, cock 9½ lbs., cockerel 8 lbs., hen 7½ lbs., pullet 6 lbs.

or coal-burning brooder should be chosen, according to the needs and facilities of the operator, and put in operation for a few days in order to become familiar with it and adjust the temperature regulator. Those that we list will give you good service; they differ only in size, style and price. They are all guaranteed to give satisfaction. It is a good plan to cover the floor with sand as it is easy to clean and provides grit for the chicks.

On arrival, take the chicks out one at a time and put them under your brooder at a temperature from 90 to 95 degrees. Heat is as necessary as food to baby chicks, and it is the first requirement necessary to success. For the first feeding, we would use a Buttermilk Starting Food fed in baby chick hoppers. They should have plenty of fresh water, but not cold water, before them at all times.



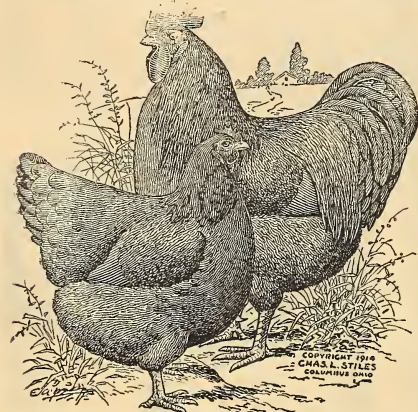
Rhode Island Reds. Standard weights, cock 8½ lbs., cockerel 7½ lbs., hen 6½ lbs., pullet 5 lbs.

**RECEIVED O. K.**  
Seward Co., Nebr., May 19, 1922.  
Gentlemen: The 200 Barred Rock Chicks were received O. K.  
FRANK HAMSA.

**RAISED 693 OUT OF 696**  
Saunders Co., Nebr., June 8, '22  
Gentlemen: Your Poultry Mash sure did fine for my chicks. Have 693 now. I lost 3—that's all Lincoln Brand Poultry Mash is what I fed.  
MRS. AUG. MANSKE.

## SAFE ARRIVAL GUARANTEED

If any of your Baby Chicks should die in transit, we will refund you the money on your loss above 3 per cent, or will ship you additional chicks to cover the loss. To get the benefit of this guarantee, you must count your chicks in the presence of your postmaster or your mail carrier at the time of delivery, get his signature as a witness to your statement of loss and mail it immediately to us. This is fair to you and fair to us. We ship chicks out to a great many customers every month during the hatching season and have found that this is the one way to protect and satisfy everybody. No other claims can be allowed.



Buff Orpingtons. Standard weights, cock 10 lbs. cockerel 8½ lbs., hen 8 lbs., pullet 7 lbs.

## BABY CHICK PRICES

BREED	25 Chicks	50 Chicks	100 Chicks	500 Chicks	1000 Chicks
Barred Plymouth Rocks.....	\$4.50	\$8.50	\$16.00	\$77.50	\$150.00
White Plymouth Rocks.....	5.00	9.00	17.00	80.00	150.00
White Wyandottes.....	5.00	9.00	17.00	80.00	150.00
Rhode Island Reds.....	4.50	8.50	16.00	77.50	150.00
Buff Orpingtons.....	5.00	9.00	17.00	80.00	150.00
Light Brahmas.....	5.00	9.50	18.00	87.50	170.00
Mottled Anconas.....	4.50	8.50	16.00	77.50	150.00
S. C. White Leghorns.....	4.25	8.00	15.00	72.50	140.00

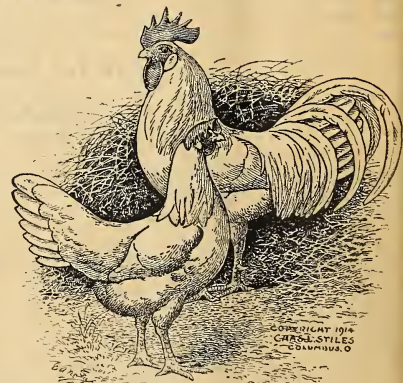
PRICES OF BABY CHICKS SUBJECT TO CHANGE

## BUTTERMILK STARTING FEED

A ready prepared food for baby chicks, composed of hulled oats, wheat-shorts, wheat, corn, prepared buttermilk, bone, iron sulphate, gentian root, and prepared mustard mixed in the proper proportions.

Buttermilk Starting Feed supplies buttermilk to the chicks in dry form only the water eliminated; supplies all the needs to the chick except for fine grit and drinking water until one week old, then add green food. In the second week begin feeding Lincoln Brand Chick Feed in the litter to induce exercise.

For Price, See Colored Price Sheet Enclosed.



S. C. Brown Leghorns. Standard weights, cock 5½ lbs., cockerel 4½ lbs., hen 4 lbs., pullet 3½ lbs.

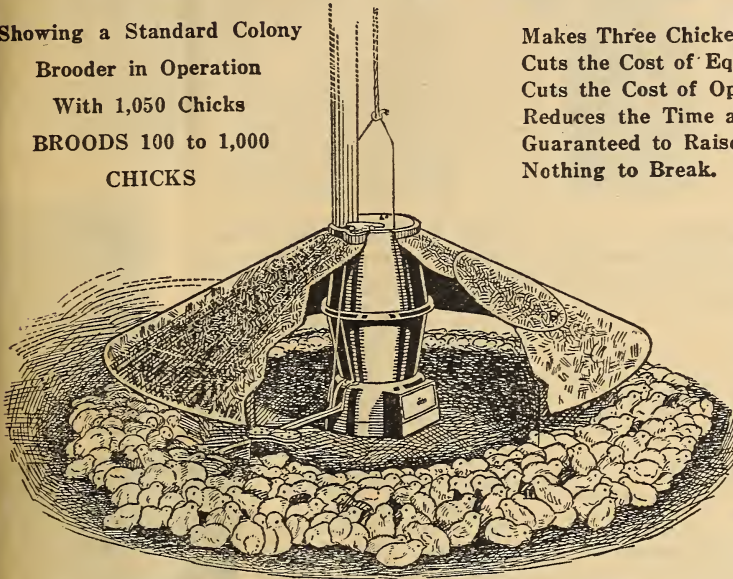


# The Standard Colony Brooder

THE MOST REMARKABLE COAL BURNING BROODER EVER INVENTED

Self-Feeding      Self-Regulating      Simple      Safe      Everlasting

Showing a Standard Colony  
Brooder in Operation  
With 1,050 Chicks  
BROODS 100 to 1,000  
CHICKS



Makes Three Chickens Grow Where One Grew Before.  
Cuts the Cost of Equipment to Less Than Half.  
Cuts the Cost of Operation to Less Than Half.  
Reduces the Time and Labor to Less Than a Fourth.  
Guaranteed to Raise More Chickens and Better Chicks.  
Nothing to Break. Nothing to Wear Out.

This type of brooder can be satisfactorily operated in any locality or under any conditions. The especially built coal-burning stove for brooding purposes is self-regulating. The whole apparatus has one adjustable nut and not even a thermometer is necessary. It burns any kind of coal, is self-feeding and is guaranteed to run more than 12 hours in any weather on one filling of coal at an average cost of 10 cents per day. The coal is poured in at the top of the stove. It is fire-proof, and is so simple that a boy or girl can operate it.

The air is always pure and fresh. There is no damper or valve of any kind between the smoke stack and the fire draft. It is controlled by an ingenious device that makes them unnecessary. The fresh air is provided by the automatic action of the draft on the stove.

This year we offer this Brooder in two sizes. They are exactly alike. The small one works just as satisfactorily as the large one. Price: No. 18, hovers 50 to 500 chicks, \$21.50; No. 19, hovers 100 to 1,000 chicks, \$26.50; No. 25 (burns soft coal), \$30.00.

## Improved "Buckeye"

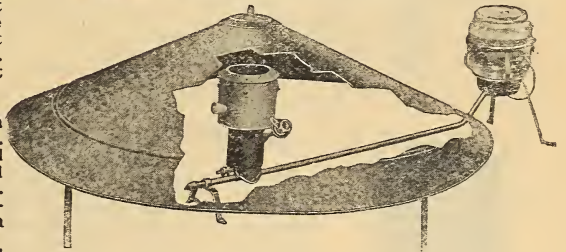
## BLUE FLAME Brooder

The simplicity of the "Improved" Buckeye Blue-Flame Brooder is almost unbelievable. The oil is fed by gravity in the usual way direct to the burner and the amount of oil necessary to generate the required amount of heat is controlled entirely by the height to which the wick is turned. The position of the wick is controlled by the same type of lever that is found on the ordinary house lamp.

The efficiency of the "Improved" Buckeye Blue-Flame Brooder is eminently superior to anything previously used. It not only produces a greater volume of heat, but it does it with a smaller consumption of oil. This new "Buckeye" burner will not consume more than a gallon of oil in twenty-four hours under the most severe conditions and when used with the smaller hovers, two quarts of oil will suffice in mild weather. This remarkable economy in oil consumption is made possible by mixing a larger proportion of air with the oil-gas than has hitherto been possible in other types of burners.

The "Improved" Buckeye Blue-Flame Brooder is positively insured against the clogging of oil or fushing the burner. The large free channels guard against all chance of stopping the oil supply and a continuous supply of heat is therefore assured during every minute of the day and night. Just so long as any oil remains in the reservoir, it will be fed to the burner with absolute certainty, so with an assured supply of oil to the burner and a system of regulation that cannot go wrong we have a brooder that should fill every requirement and satisfy every user.

The Buckeye Blue-Flame Brooders are sold under a 30-day money-back guarantee. The same guarantee as is given with the Buckeye Coal Burning Brooders. In any case where they fail to do all that is claimed for them, they can be returned within 30 days and the purchase price will be refunded without argument.



- No. 27—Diameter 34 inches, 200 chicks.....\$17.50
- No. 28—Diameter 42 inches, 350 chicks..... 20.00
- No. 29—Diameter 52 inches, 500 chicks..... 22.50

## "Buckeye" LAMP HEATED Brooder

Nothing about it but metal—excepting the curtain—and that's interchangeable. The dead air space keeps all the heat in and all the cold out. This construction insures the highest degree of efficiency, and we guarantee the satisfactory heating of every brooder in any inside temperature down to freezing.

The Buckeye lamp is not enclosed, making the oil burner just as safe as a coal burning stove. The constant current of fresh air over the lamp bowl prevents all possibility of over-heating the oil and absolute safety is the result. This improvement is just as good as an insurance policy. It's the fresh air that makes the chicks grow. The lamp is made of the best possible material, being equipped with a Miller burner. A thermometer is furnished with each brooder.

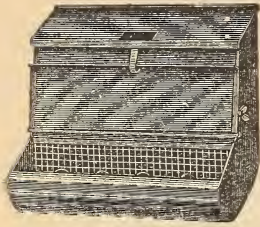
- No. 20—Diameter 19 inches, 60 chicks.....\$11.75
- No. 21—Diameter 22 inches, 100 chicks..... 15.50
- No. 22—Diameter 30 inches, 150 chicks..... 19.00



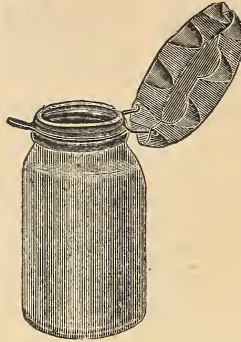
SEND FOR BIG BUCKEYE INCUBATOR AND BROODER CATALOG



**Baby Chick Feed Hopper**



This Hopper is made of galvanized iron throughout. It is designed especially for feeding baby chicks. The Hopper is 8 inches in height and about 2 3/4 inches wide. It is made with an adjustable swinging front that eliminates any possibility of clogging. 10-in. size, \$1.20; 20-in. size, \$1.50.



**Automatic Fountain and Chicken Feeder**

This appliance for chicks, feeds water, grain, grit, etc., automatically. It is an absolutely sanitary fountain made to fit any half-gallon, quart or pint Mason jar. We do not furnish jars. Pan is hinged to the wire so that it is not necessary to remove the can in order to fill it. Price, postpaid, 20c; not postpaid, 15c; 2 for 25c; \$1.25 per doz. Shipping weight 6 oz. each.



Automatic Fountain

ASK FOR OUR FREE POULTRY DOCTOR BOOK.

**Standard Grit and Shell Box**

This Grit and Shell Box has slanting front, inclined top and round bottom to trough. Just the thing to hold oyster shell, charcoal and grit for a small flock of fowls. Price of Grit and Shell Box, \$1.25. Shipping weight, 2 lbs. each.



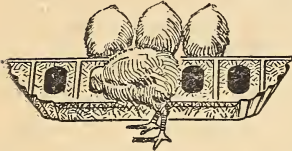
**Chick Grit and Shell Box**

Growing chicks should have grit, oyster shell and charcoal always before them; and for this purpose our Chick Grit and Shell Box is indispensable. It is made of galvanized steel with three compartments. Height 7 1/2 inches; width 6 inches; depth (front to back), 4 inches at bottom and 2 inches at top. Price (shipping weight, 2 lbs.), 75c. Large size for grown fowls (shipping weight 4 lbs.), \$1.10.



**Chick Feed Trough**

These troughs are very convenient for feeding flocks of growing chicks. Trough is made on a half circle so that every bit of feed can be easily eaten out of it. Made in two sizes, 10-inch and 20-inch.



10-inch trough with grate. Shipping weight 1 1/2 lbs., 30c.  
20-inch trough with grate. Shipping weight, 2 lbs., 45c.

**Rectangular Chick Feed Hopper**

This hopper is designed for young chicks and made to either stand on the floor or ground, or hang against the wall. It is divided into three equal compartments, holding about four quarts altogether. Made of galvanized iron with hinged lid to both hopper and trough. Price: each, \$1.25. Shipping weight, 3 1/2 lbs.



**Two-Piece Drinking Fountain**

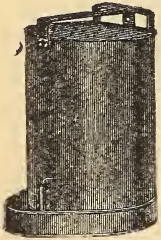
This fountain consists of a cone-shaped bucket or can, and a stamped pan which forms the base and the trough from which the fowls drink. Both parts are made of galvanized sheet steel and all parts are well soldered.



The top is pointed so as to prevent chickens from standing or roosting on it. Made in three sizes.  
1 Quart Two-Piece Fountains.....30c  
2 Quart Two-Piece Fountains.....45c  
3 Quart Two-Piece Fountains.....60c

**Improved Drop Bottom Fountain**

This fountain combines the good qualities of the three fountains—economy, flat back and drop bottom—which we formerly listed. The pan, which forms the trough, is hinged at the back and fastened by a catch in front. The flat back allows the fountain to be firmly placed against the wall and the drop bottom enables the fountain to be thoroughly cleaned and kept in a sanitary condition.



No. 1—2 quarts. Shipping weight, 3 lbs.....\$1.00  
No. 2—1 gallon. Shipping weight, 4 lbs..... 1.25  
No. 3—2 gallons. Shipping weight, 5 lbs..... 1.50  
No. 4—4 gallons. Shipping weight, 8 lbs..... 2.25



**New Automatic Top Filled Fountain**

(Not Illustrated)  
This is a new kind of drinking fountain. It is made with a thoroughly reliable, well-made, shutoff in the trough that enables it to be filled from the top without spilling the water. The trough is covered with a hood which keeps the birds from fouling the water. The top is conical which prevents roosting on same. Handled just like a bucket. One of the best fountains made. Fountain will hang on the wall, set on the ground or can be used in any other suitable place.  
No. 1, 2-gal. Shipping wt., 30 lbs., \$2.00  
No. 2, 4-gal. Shipping wt., 24 lbs., 3.00

**Drop Bottom Fountains**

In this style of Drinking Fountain, the pan which forms the trough from which the fowls drink is hinged at the back and fastened by a brass latch in front. The hood over the trough prevents falling dust and dirt from getting into the water; and when the bottom is turned back, the inside of the fountain can be easily cleaned out and kept in sanitary condition.



The hole which allows the water to run from the fountain into the trough is behind the brass latch, which prevents the water from dripping out when the fountain is handled.

The hinge is made with a brass rod to prevent rusting. Made of No. 28 galvanized steel in three sizes.

2-quart Drop Bottom Fountain.....\$1.00  
1-gallon Drop Bottom Fountain..... 1.25  
2-gallon Drop Bottom Fountain..... 1.50

**Wall Fountain**

Made in three sizes, 1 quart 1 gallon and 2 gallons. The two larger sizes have flat backs, so they can be placed horizontally on the ground for filling and also to make them rest firmly against the wall when hung up. Made of No. 28 galvanized steel with heavy strap handles and hangers.  
1 quart size. Shipping wt., 1 lb.....\$0.60  
1 gallon size. Shipping wt., 3 lbs..... 1.35  
2 gallon size. Shipping wt., 5 lbs..... 1.60



FOR BABY CHICKS SEE PAGE 70

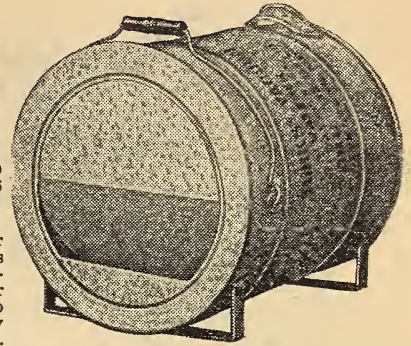


**Improved Handy Hopper**

The Improved Handy Hopper is made of galvanized iron throughout. All parts are spot welded together. It is provided with hinged lid over both hopper and trough, making it rat and mouse proof, as well as dirt proof. It is provided with a swinging front, adjustable to suit any kind of dry mash and which eliminates any possibility of clogging. Hopper is 15 inches in height and 4 1/2 inches in width and made in four lengths.  
 No. 1—12 in. in length...\$1.75 No. 3—24 in. in length... 2.50  
 No. 2—18 in. in length... 2.25 No. 4—36 in. in length... 3.75

**Turk Poultry Waterer**

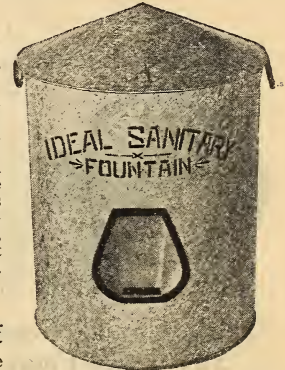
The Turk Poultry Waterer is built on the vacuum principle and needs no lamp or artificial heating device. The water will not freeze all day long and no fire or lamp is needed to bother with or cause worry of an accidental fire. This waterer holds 4 gallons, it is easy to fill, cannot be tipped over, the chickens cannot easily get dirt, chips or foreign matter into the reservoir. It is guaranteed, if instructions are followed, not to freeze up and to supply water 14 hours from the time that it is placed in the poultry house at 20 below zero weather and will not freeze up to do any damage for 24 hours. It is a good waterer either for winter or summer. Price, \$4.50.



Turk Poultry Waterer

**Ideal Sanitary Fountain**

The simplest, handiest and most practical fountain made; keeps water the right temperature all the year. Has no lamp to trim and valves to get out of order. Saves time, labor and worry, and costs nothing to run. The fountain is made of galvanized iron and is similar in construction to the fireless cooker, being packed with non-conducting material to retain the temperature of the water. The drinking cup, which contains the only water exposed, forms a connection between the outer and inner can, and does not project beyond the outer can.  
 For best results in water, fill at night with hot water; raise fountain back on legs and place cloth or burlap over opening over night; remove in the morning and set upright. Place fountain on a shelf 18 inches wide by 24 inches long, and 15 to 18 inches from the floor. This arrangement prevents litter being scratched into drinking cup. In summer, fill with cool water and it will stay cool. One filling a day is all that is necessary. Made in three sizes: 2-gal., \$3.50; 3-gal., \$4.00; 5-gal., \$5.00.



**O. K. Thermos Waterer**

This thermos waterer is absolutely sanitary. We know of no other thermos fountain that has this feature of being able to clean thoroughly on the inside. The inside tank can be removed, thus making it possible to thoroughly wash and clean the reservoir. Every poultry raiser is

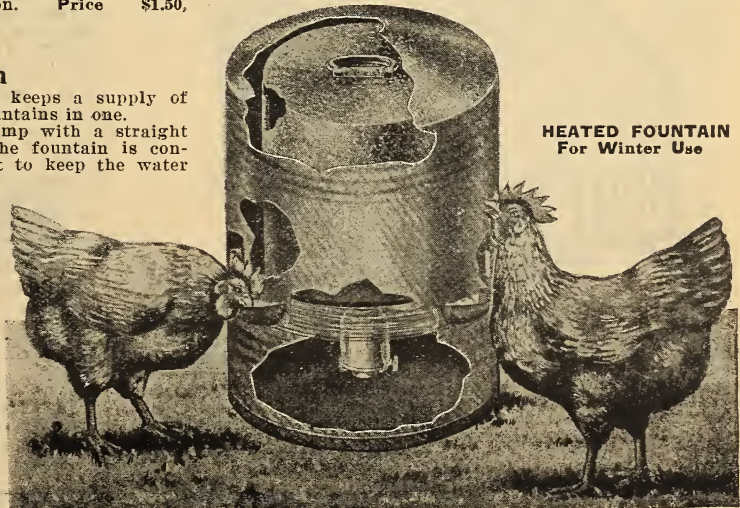
aware of the extreme importance of having clean, sanitary water for his flocks, and this feature is very valuable. The O. K. Thermos Waterers are built on the same principle as the Ideal listed above. This fountain has been subjected to severe tests and is guaranteed to be satisfactory. It is made in two sizes: 2 1/2-gal., \$4.75; 5-gal., \$5.50.

**Junior Thermo Waterer**

No lamps to bother with. Fill with boiling water at night. Set out for chickens the next morning. The packing, having absorbed the heat over night, prevents freezing during the day. This is a simple chicken waterer built on the same principle as the well-known thermos bottle. The outside galvanized walls enclose a thickness of two inches of insulation, which serves as a heat retainer, keeping the water warm in winter and by the same principle, keeping cold water cold in summer. The water is contained in a can that holds about a gallon enclosed within the insulation. This is a very simple, inexpensive and effective waterer. Will not freeze, no matter how cold. Price, \$1.50 each.

**Omaha Thermo Chicken Waterer**

Same size and similar to the Junior Waterer except that it stands in an upright position. Price \$1.50 each.



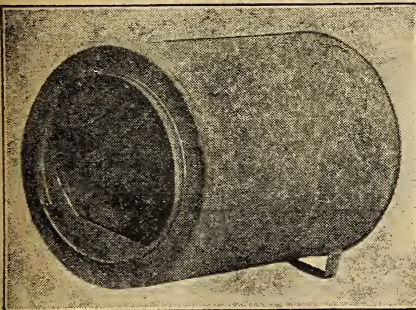
HEATED FOUNTAIN For Winter Use

**Heated Poultry Fountain**

This non-freezable poultry fountain automatically keeps a supply of tempered water in the chicken house. Really two fountains in one.

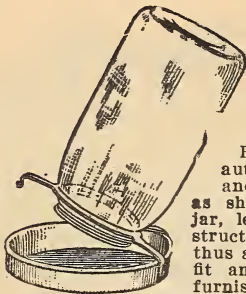
Water is heated by a kerosene incubator-style lamp with a straight wall, galvanized iron chimney in the base, and the fountain is constructed on the principle that it requires less heat to keep the water tempered than any other fountain on the market. The drinking pan carries one inch of water all the time so long as the main container, which holds about twenty quarts is kept filled. When the water in the pan gets below level, it automatically opens the intake and allows more water to flow in. The burner acts directly on this shallow pan and consequently has only a small volume of water to heat. The surplus heat is carried up into the dead air space that surrounds the main container and helps to keep the main body of water tempered. There are three separate drinking compartments, each large enough for two chickens to drink at once.

In the summer time just lift the fountain off the stove base and you have a practical cool water drinking fountain that is low enough for the little chicks and the air space around the main container serves to keep the water cool and palatable. Price, complete, ready for use, \$6.50.



Junior Thermo Waterer





### Automatic Feeder and Fountain

Feeds water, grain, grit, etc., automatically. Is easy to fill and operate. Just lift trigger as shown in cut, which releases jar, leaving pan without any obstruction, affording easy cleaning, thus a sanitary fountain. Made to fit any Mason jar. We do not furnish jars.

<b>Prices Not Postpaid</b>		<b>Prices Postpaid</b>	
5 inch size, each.....	\$0.15	5 inch size, each.....	\$0.20
2 for.....	.25	2 for.....	.35
Dozen.....	1.35	Dozen.....	1.60
6 inch size, each.....	.15	6 inch size, each.....	.20
3 for.....	.40	2 for.....	.35
Dozen.....	1.55	Dozen.....	1.80



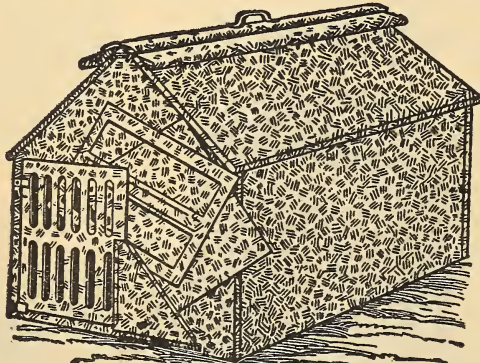
### Stearn's Bone Cutter

It has automatic feed; is self-cleaning; is the fastest fine cutting machine on the market; will stand more wear and tear; is least liable to get out of order; is the only bone cutter that will not clog with gristle or meat. Price, \$18.50. Write for prices of larger sizes.

### "Little Chick" Feeder Saves the Feed

It is made strong and durable. The frame in each end is made from substantial lumber, over which is securely fastened heavy 1/2-inch mesh galvanized wire screen. This wire screen is neatly bound on the edges with strong galvanized sheet steel. The "Little Chick" Feeder is large and roomy. Size: 6 inches high, 18 inches wide and 24 inches long.

Will easily accommodate FORTY to FIFTY chicks at one feeding. Can be placed anywhere and can be moved from place to place easily. Price, \$1.35; 6 for \$8.00.



### Sanitary Brood Coop

Made of galvanized iron. It is mite, rat, weazel, mink and skunk proof. It can be taken down and put up in 40 seconds, the bottom can be removed for cleaning without taking the coop apart. It has three doors hung on one pivot; the first a slat door which lets the chicks out; the second, of one-half inch wire netting, for use on hot nights; the third is of solid iron for cold and stormy weather. The coop is well ventilated but is entirely rainproof. It is approximately 18x24 inches square and 16 inches high. It can be carried with one hand to any convenient location. Price: each, \$2.25; 6 for \$11.00; 12 for \$21.00 by express.

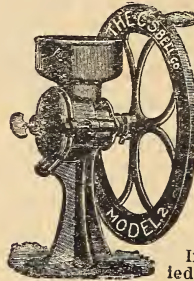
### Henfriend Water Fountain

Made of very best galvanized iron, cheap, practical and durable, protected from dirt, yet easy to clean; will not drown the chicks; easy to fill and carry as a pail. Keeps the water cool in summer. Filled with hot water in the morning will not freeze during the day in cold weather. A child can fill it. Price: 2 1/2 gallon size postpaid, \$1.05; not postpaid, 90c; 1 gallon size, postpaid, 80c; not postpaid, 66c; 1/2 gallon size, postpaid, 50c; not postpaid, 40c.



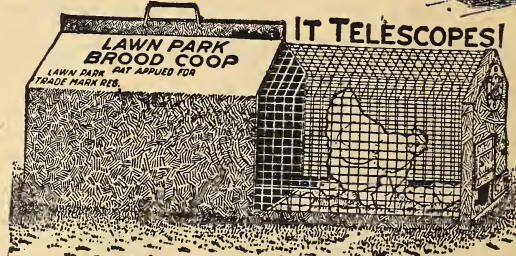
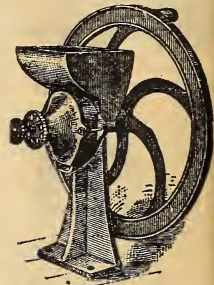
### Model Mill

This has proven to be one of the best Hand Grinding Mills on the market. Grinds corn, wheat, oats, etc. Capacity, No. 1, 1/2 to 1 bu. per hour; No. 2, 1 to 2 1/2 bu. per hour. Price: No. 1, \$3.50; No. 2, \$5.75.



### No. 32 Hand Grinding Mill

In this mill are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well-designed machine, is strong and well made throughout and of excellent finish, has a 16-inch fly-wheel, and is light running. The capacity of this mill is not equaled by any other of the same size. Shipping weight 40 pounds. Capacity, 1 to 2 bushels per hour. Price, \$1.90.



### Lawn Park Brood Coop

It is made entirely of galvanized materials, will not rust, and is proof against all chick enemies, absolutely protects chicks against hawks, rats, vermin, cold, storms and all other chick enemies. The metal repels lice and mites—that is important. The body of the coop is made from strong 28-gauge galvanized steel. The wire park is made from heavy 1/2-inch mesh galvanized wire screen. The Lawn Park is large and roomy, being 18 inches wide, 19 1/4 inches high and 24 inches long with park closed, and 48 inches long with park extended. Permits the chicks to have plenty of sunshine and fresh air. The Park runway being bottomless lets them range on grass. Can be moved from place to place easily. Coop proper has removable galvanized bottom. Easily cleaned. Highly sanitary. It saves the chicks. Price, \$4.25 each, 6 for \$22.50.

### BEST GRADE OF OYSTER SHELLS

Platte Co., Wyoming, Feb., 11, 1922.

Gentlemen:

Am well satisfied with the Oyster Shells. They are the best grade I have seen for a long time.

CHRISTIAN BLUM.

### ONLY ONES GETTING EGGS

Western Co., Wyo., Jan. 21, 1922.

Gentlemen:

We are greatly pleased with the Succulenta Tablets. We are the only ones around here that are getting many eggs.

CLAUDE D. HOWEY



**Sulphur Candles**

For fumigating and destroying vermin they are sure and cheap. Used extensively by poultrymen to keep lice and disease germs from poultry. Kills the mites that stay in the henhouse and all disagreeable odors. Hens must be free from lice, healthy and contented to be profitable. You can do it by burning sulphur candles in your houses and by using our Naphthalene Nest Eggs in each nest. Price, 15c each, postpaid.



**Farmer's Caponizing Set**



**Poultry Keeping Made Profitable by Caponizing**--A constantly growing demand for Capons--Capon Bring Higher Prices than Turkeys. The big profit in poultry raising is gained by detail work--the getting the most out of every branch of the business. On the average farm, each year's output of male chickens are sold for less than their actual cost of production. There is no need of this. In fact, the males can be made more profitable than the females. How? By caponizing. Turn the loss into profit. Capon culture is today the best paying branch of the market poultry industry. What is more, the demand is increasing more rapidly than the supply.

Caponizing is an easy art, and perfection comes with little practice. Many fail because of poor instruments. Most of the tools are better looking than they are practical. This set is simple and easy to use. Full directions with each set. Price, \$3.25, postpaid.

**Rogers Poultry Punch**



The "Money-Back" Poultry Punch. The only guaranteed Poultry Punch on the market. If you are not absolutely satisfied after using it, you can return it and get your money back. When marking chicks it is always in place, hanging on your little finger. You don't need to lay it down while getting an adjust it to position on the chick's foot.

other chick, nor stop to Price, 40c; postpaid.

**Leader Adjustable Leg Bands**



Doz., 15c; 25 for 25c; 50 for 45c; 100 for 85c; postpaid.

**Spiral Celluloid Leg Bands**



Ten colors. light blue, red, yellow, green, white, violet, pink, ruby, cerise, black. Price, postpaid: Poultry size, any color (be sure to state breed), 12 for 15c; 25 for 25c; 50 for 45c; 100 for 85c; 500 for \$3.75; 1,000 for \$7.00.



Baby Chick

For Baby Chicks. Price, postpaid: 12 for 10c; 25 for 20c; 50 for 35c; 100 for 65c; 500 for \$2.50; 1,000 for \$4.50.

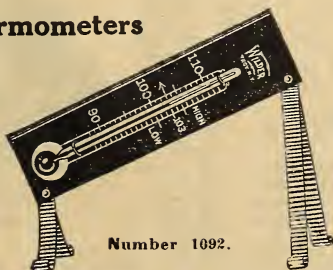
**Incubator Thermometers**

These Thermometers are guaranteed accurate to a fraction of a degree.

Number 1092

Being equipped with adjustable legs to stand on, it has become very popular. One of our best sellers.

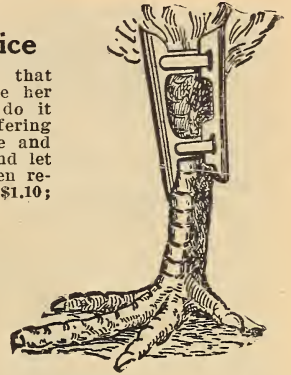
Price, 90c, postpaid.



Number 1092.

**The Humane Anti-Hen Setting Device**

The only device ever invented that will stop a hen setting and cure her of broodiness in 24 hours and do it without the slightest pain or suffering for the hen, and no wasted time and trouble for you. Clasp on leg and let the hen run free for 24 hours, then remove. Price: 10c each; dozen, \$1.10; postpaid.



**CHICKS ARE FINE**

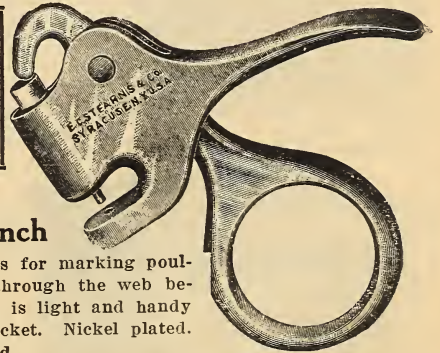
Seward Co., Nebr.,  
May 22, 1922.  
Gentlemen: My order came all right and the little chicks are fine. A. G. DOLE.

**COMMON NEST EGGS**--Made of plaster paris, 5c each; 6 for 25c; postpaid. Not postpaid, 45c dozen.

**BABY CHICKS SEE PAGE 70**

**Stearns Poultry Punch**

This little tool is for marking poultry by punching through the web between the toes. It is light and handy to carry in the pocket. Nickel plated. Price: 35c, postpaid.



**THE PETTEY POULTRY PUNCH** for marking chicks by punching the web of the feet is made of steel, nickel plated. It is substantially made, cuts a clean hole, and is convenient to use. Price: 25c; postpaid.



**Tested Thermometers**

**INCUBATOR AND BROODER**

Can be used in any Incubator or Brooder. Each "Wilder" Thermometer is carefully inspected, and is compared with a standard instrument before leaving the factory and is Guaranteed Accurate within the Smallest Fraction of a Degree. It maintains this accuracy year after year.

**INCUBATOR THERMOMETER**

Number 1096

Equipped with legs to stand on and wires to hang on. Price, 90c, postpaid.



No. 1096

**BROODER THERMOMETER**

One of the best brooder thermometers, is well made throughout. Price, \$1.10, postpaid.

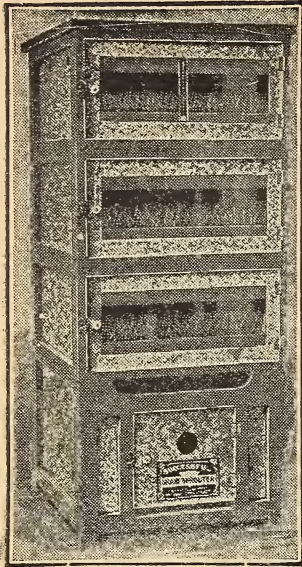


No. 1116

**ALL PRICES ON THIS PAGE SUBJECT TO CHANGE**

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Successful Grain Sprouter

### Successful Grain Sprouter

For sprouting oats or other grain for poultry. Made entirely of galvanized steel in sections as shown in illustration. Each section holds two trays for grain. Sections are interchangeable and sprouter may be enlarged by additional sections as needed. Five sizes.

- No. 1—Base and 1 Sect.—2 trays, holds 8-10 qts. dry grain (30 to 60 hens).....\$12.00
- No. 2—Base and 2 Sect.—4 trays, holds 16-20 qts. dry grain (75 to 100 hens)..... 15.00
- No. 3—Base and 3 Sect.—6 trays, holds 24-30 qts. dry grain (130 to 200 hens)..... 18.75
- No. 4—Base and 4 Sect.—8 trays, holds 32-36 qts. dry grain (250 to 300 hens)..... 22.00
- No. 5—Base and 5 Sect.—10 trays, holds 40-50 qts. dry grain (400 to 600 hens)..... 25.00
- Each additional Section and 2 galvanized all-steel trays weight 20 lbs. 5 00

### Shipping Coops

These coops are considered one of the best on the market, being made of very light but strong lumber, and of a design approved by large shippers of pure-bred birds for breeding purposes. A closed coop having a 2-inch opening front and back, under slatted top so as to give fowls plenty of fresh air when shipping them. Birds shipped in this way or in these coops are in no danger of smothering, heat of steam pipes, draughts on depot platforms, and arrive at their destination without having their plumage harmed. This coop is the most desirable for shipping fancy or show birds and is used exclusively by some of the largest shippers of fancy poultry.

#### PRICES AND SIZES

	Lgth.	Wd.	Ht.	Each	½ Doz	Doz
No. 1A	12x18x18			\$0.60	\$3.00	\$5.75
No. 4D	18x18x21			.85	4.25	8.00
No. 5E	24x21x21			.95	5.15	9.75

### Perfect Hatching-Egg Shipping Boxes

Are made of strong corrugated paper with double faced corrugated paper partitions which have cushion effect, which protects each egg. The top, bottom and sides are double, lined with double wall of corrugated paper. The top flap fits in place and covers the egg, and fits into the square tube, making a four-wall cushion protection, thus preventing any chance of eggs being broken or chilled in shipping. Can be packed ready for shipment in one minute. Perfect egg boxes are guaranteed the best constructed and most up-to-date for safe shipment of fancy hatching eggs by parcel post or express or money refunded.

### Baby Chick Boxes

"Sav-All" Boxes are constructed of heavy, tough corrugated cardboard and can be given the required ventilation needed during cold, hot, mild or warm weather, without danger of the chicks being smothered or chilled. The box dividers are held in place with wire clips. Sides and bottom are made of one piece and fold together and are clamped with wire clips, no cracks in bottom, cover is separate and fits over top. The cover is made of one piece which is neatly printed, with space for your name and address as well as customer's. Note one dividing partition being ½ inch lower permits indirect ventilation in all parts of box. These Ripley Chick Boxes have met the approval of the International Baby Chick Association, which is a guarantee that chicks shipped in them are well protected.

#### PRICES AND WEIGHTS OF EGG AND CHICK BOXES

	1 to 9 Doz.	10 to 24 Doz.	25 to 99 Doz.	Wt. per Doz.
1 setting, 15-egg size.....	\$3.15 doz.	\$2.95 doz.	\$2.80 doz.	15 lbs.
2 setting, 30-egg size.....	4.60 doz.	4.50 doz.	4.25 doz.	23 lbs.
50-egg size.....	6.25 doz.	6.05 doz.	5.90 doz.	35 lbs.
25-chick size.....	2.00 doz.	1.85 doz.	1.70 doz.	16 lbs.
50-chick size.....	2.75 doz.	2.55 doz.	2.35 doz.	24 lbs.
100-chick size.....	3.50 doz.	3.25 doz.	3.05 doz.	40 lbs.

**SPECIAL NOTICE**—The boxes are packed in one dozen lots in cardboard containers. We do not break packages. Sample one setting, or 25-chick size box, 35c postpaid. We ship egg boxes by parcel post only when sufficient postage is remitted with order. Your postmaster can give you information as to zone and charges.

**ALL PRICES ON THIS PAGE SUBJECT TO CHANGE**

**PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED**

### MORE EGGS. MORE EGGS.

#### Sturdier Chicks

## Don't Feed Green Food!

GET MORE EGGS BY USING

## Succulenta Tablets

They are better, cheaper and more relished by all fowl. Simply dissolve one tablet in one quart of drinking water. Succulenta Tablets are not a drug nor a remedy, but a food—wholesome and harmless. They make hens lay; make chicks grow; hasten the moult.



A Full Egg Basket is Assured

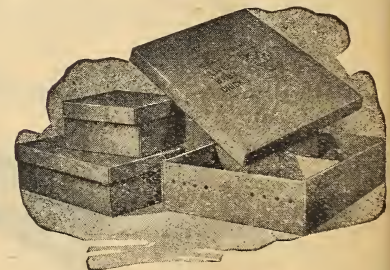
100 large tablets by mail,	\$0.50
250 " " " "	1.00
500 " " " "	1.75
1000 " " " "	3.00

Your Money Back if not Satisfied  
**Shorter Moult. No Bother**

### Banner Root Cutters

Cuts Roots and Vegetables for Poultry and Stock.

Price, No. 7, for poultry, \$6.75; No. 15, for Stock, hand and power use, \$21.04.



"Sav-All" Chick Boxes



# LINCOLN BRAND POULTRY FEEDS

## FEEDING POULTRY FOR PROFIT



While there are a number of different factors that are essential to successful poultry culture, not one of them is of more importance than the feeding of the fowls.

A breeder may have a flock of birds from one of the best strains in the world, but unless they are properly fed, they cannot give the returns that they would in response to proper feeding coupled with good care. If the fowls are to be kept healthy, vigorous and productive they must be supplied with these three food elements: Protein, to make muscle; Carbohydrates, to supply heat and energy; and Ash, to make bone.

Neither Scratch Feed nor Poultry Mash is a complete food, but for best results should be fed together. A fowl should eat half a pound of mash for every pound of grain consumed to produce the greatest number of eggs.

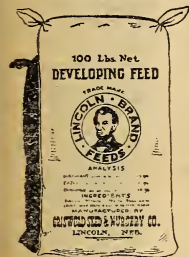
In order that the fowls may be induced to eat sufficient mash, it is the common practice to give a light grain feed in the morning allowing access to the mash through the day and then feeding a heavier grain ration at night. Should they eat more mash than desired, the hoppers containing same may be closed for a portion of the day. It will be found that some fowls and flocks will eat more mash than others and the dropping boards will usually indicate when such is the case.

Always keep plenty of fresh water before the fowls at all times. In winter use a heated water fountain or a fountain made on the thermos bottle plan. These may be found listed on pages 72 and 73.

**LINCOLN BRAND CHICK FEED**—We mix Lincoln Brand Chick Feed by the carload, selling several carloads during the chick season. This feed is made of the sweetest, purest and cleanest cracked grains and seeds of a uniform size and mixed in the proper proportions for best results for small chickens. We recommend feeding Buttermilk Starting Feed with Lincoln Brand Chick Feed, but as Buttermilk Starting Feed is quite expensive, it need not be fed but the first few weeks, then feed Lincoln Brand Poultry Mash.

Ground feed for chicks should be fed in hoppers the same as for hens. Give the chicks plenty of fresh drinking water, keeping it before them at all times in fountains and feeders such as you will find listed on page 72.

**LINCOLN BRAND DEVELOPING FEED**—Is made of the same high quality of seeds and grains and mixed in the same manner as our Lincoln Brand Scratch Feed, except that the size of the seeds and grains is made suitable for growing chicks. It is made of wheat, kafir corn, milo maize, cracked corn, buckwheat, and millet; the grains being cracked the proper size for growing chicks. It should be fed with Lincoln Brand Poultry Mash after the chicks are too large for our Lincoln Brand Chick Feed.



**LINCOLN BRAND POULTRY MASH**—(with buttermilk)—Is made of alfalfa flour, meat meal, powdered buttermilk, wheat shorts, corn flour, ground oats, wheat bran, kafir flour, with 1% salt and 1% charcoal. It is balanced for use with our Lincoln Brand Scratch Grains, covering the diet at a lower cost than at which the poultry raiser can buy the ingredients separate and mix them himself.

Powdered buttermilk, besides being a food of very high value, has very decided properties of increasing assimilation of foods fed with it. It makes foods go farther due to its action as a cereal protein solvent. It is an intestinal and digestive regulator, useful in preventing such diseases as white diarrhoea, due to the antiseptic action of the lactic acid. Pure Powdered Buttermilk adds to the ration vitamins, an essential to growth. Only a few foods contain this element, and Pure Powdered Buttermilk offers the best way to obtain it.

Alfalfa flour is the best grade of alfalfa hay ground very fine, which makes it especially good for poultry feed. It supplies a green food with the mash feed that is very valuable. The meat meal is of the very best quality, made especially for feeding purposes. Charcoal is very valuable for its medicinal purposes in aiding the process of digestion. All other ingredients are of the best quality possible to obtain. Our feed is carefully and thoroughly mixed by hand, insuring uniformity. Lincoln Brand Poultry Mash fed with Lincoln Brand Scratch Feed will cause the hens to lay the greatest number of eggs. Lincoln Brand Poultry Mash fed with Lincoln Brand Developing Feed will develop young stock the quickest. Lincoln Brand Poultry Mash fed with Lincoln Brand Chick Feed will make chicks grow the fastest the first six weeks.



**LINCOLN BRAND LAYING MASH**—Is a high protein made especially for laying hens. It is made of alfalfa flour, meat scraps, oil meal, wheat bran, corn meal, wheat shorts, kafir flour, corn flour, and charcoal.

Lincoln Brand Laying Mash is different from the Poultry Mash in that there is no dried buttermilk in the mixture; also, it is not ground quite as fine. We put Lincoln Brand Laying Mash on the market several years ago and we have hundreds of satisfied users. For quick results it has no equal. It should be fed with Lincoln Brand Scratch Feed, being kept in a hopper before the hens at all times.



**BUTTERMILK STARTING FEED**—A ready prepared food for baby chicks, composed of hulled oats, wheat shorts, wheat, corn, prepared buttermilk, bone, iron sulphate, gentian root, and prepared mustard mixed in the proper proportions.

Buttermilk Starting Feed supplies buttermilk to the chicks in dry form with only the water eliminated; supplies all the needs of the chick except for fine grit and drinking water, until one week old, then add green food. In the second week begin feeding Lincoln Brand Chick Feed in the litter to induce exercise.

**LINCOLN BRAND SCRATCH FEED**—Is made of wheat kafir corn, milo maize, yellow cracked corn, barley, buckwheat, and sunflower. These seeds and grains are of the very best quality and after thorough mixing, Lincoln Brand Scratch Feed is run through our

big cleaning mills where it is carefully cleaned. We would like to have you compare our Lincoln Brand Scratch Feed with any other on the market as to ingredients, quality, cleanliness, color and size.

Lincoln Brand Scratch Feed may be thrown in the litter and there will be no waste whatever as there is no finely ground grain that the fowls will not pick up. Lincoln Brand Scratch Feed should be fed with either Lincoln Brand Poultry Mash or Lincoln Brand Laying Mash. This will make a balanced ration, and a balanced ration is what is needed to make eggs and the greatest development.

**ALFALFA FLOUR**—Is the best grade of alfalfa hay ground very fine, which makes it especially good for poultry feed. It supplies a green food that is very valuable.



**BLOOD MEAL**—This is pure, rich, dried blood. Very fine for incubator chicks, as it prevents loss from breaking down or leg weakness. Good to start hens laying. Feed one part blood meal to fifteen parts of mash.

**CRYSTAL GRIT**—Not only your large fowls, but your small chickens must have grit. Most so-called chicken cholera is simply indigestion caused by lack of grit with which to grind the food. Large, medium and chick.

**CHARCOAL**—This is a most excellent ingredient to mix with mash.

**POULTRY BONE**—Should be kept before poultry of all classes, at all times, especially where egg production is desired. They will be the best judges as to the amount they want. Young chickens should be permitted to get it at their pleasure. Large, medium, chick and meal.

**OYSTER SHELLS**—“Science Finds That Oyster Shells make Hens Lay More Eggs”—Pilot Brand Shell Flake is Genuine Oyster Shell, softer and containing more lime than other shell or mineral matter; easily digested; is washed free from dirt and all foreign matter. It is graded into two sizes, hen size and baby chick size, and packed in new bags bearing the Pilot Brand trade mark. We are distributors for Pilot Brand Oyster Shells, handling a good many carloads in the course of a season.

**MEAT SCRAPS**—For laying hens may be mixed one part meat scraps to three parts crushed grain, bran or shorts. Feed dry in hoppers



FOR PRICES OF FEEDS, SEE COLORED PRICE SHEET ENCLOSED



# Good Poultry Remedies

## HEALTHY POULTRY PAYS

Only vigorous, healthy birds can produce profits. If disease enters your flock act quickly with reliable remedies. Better still, prevent disease before it starts. We recommend Conkey's because we know Conkey's are absolutely dependable. Conkey's must satisfy you or we'll refund your money quick. Send 4c stamps for valuable book on making poultry pay.



### Conkey's Poultry Remedies

Each Article Must Satisfy or You Receive Your Money Back

	Prices Postpaid		By Express
Roup Remedy .....	25c, 50c, \$1.00	Poultry Tonic, 12-lb. pail.....	\$1.60; 25-lb. \$3.00
White Diarrhoea Remedy.....	25c and 50c	Lice Liquid (1 quart).....	.60
Cholera Remedy .....	25c and .50	Lice Liquid (1/2 gallon).....	.90
Head Lice Ointment.....	.10c and .25	Lice Liquid (1 gallon).....	1.50
Lice Powder .....	25c and .50	Fly Knocker (1 quart).....	.60
Poultry Tonic .....	25c and .50	Fly Knocker (1/2 gallon).....	.90
		Fly Knocker (1 gallon).....	1.50



### PRATT'S POULTRY REMEDIES

"MONEY BACK IF THEY FAIL"

#### PRATT'S ROUP CURE

Is a scientific preparation in tablet form, and when dissolved in water is absorbed by the blood at once, purifying the system, allaying inflammation and reducing the fever. It not only cures, but prevents roup, colds, canker, catarrh and diphtheria and should be given to all fowls frequently to keep diseases away. Pratt's Roup Cure is quite different from many so called roup cures, which may cure a cold, but never a genuine case of roup. Extra large boxes, 50c; smaller size, 25c; postpaid.

#### PRATT'S LICE KILLER

Powdered Form

It quickly and thoroughly kills all lice on little chicks, big chicks, setting hens and incubator chicks. It rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs on vines, plants and flowers. A valuable deodorizer and disinfectant, for all poultry houses, barns, stables, etc. Drives out moths from closets, furniture, carpets and clothing. 25c and 50c packages, postpaid.

Pratt's Gape Remedy, 30c and 60c packages.  
 Pratt's Condition Tablets, 25c and 50c packages.  
 Pratt's Bronchitis Remedy 25c and 50c packages.  
 Pratt's White Diarrhoea Remedy, 25c and 50c packages.  
 Pratt's Chicken Cholera Remedy, 25c and 50c packages.  
 Pratt's Scaly Leg Remedy, 35 and 70c packages.  
 Pratt's Sorehead and Chickenpox Remedy, 35c and 70c packages.  
 Pratt's Red Mite Special, 1 quart, 55c; 2 quarts, 90c; 1 gallon, \$1.50; by express.

Pratt's Poultry Regulator, 25c, 50c, \$1.10 packages postpaid; 12 lb. pkg., \$1.40; 12 lb. pail, \$1.65; 25 lb. pail, \$3.00, by express.

Pratt's Poultry Disinfectant and Lice Killer, 1 qt., 55c; 2 qts., 95c; 1 gal., \$1.60, by express.

#### MAKES HENS LAY

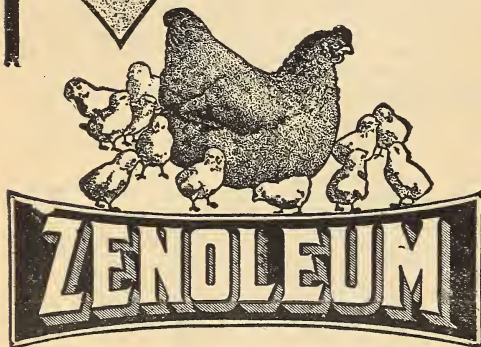
**DON SUNG** acts as a tonic to the egg-laying organs and makes the hen healthy, strong and vigorous. As a result, she lays regularly in any season. Positively guaranteed. Test at our risk. Trial size, 50c; large size, \$1.00. Special size, \$5.00.

#### STOPS CHICKS DYING

**AVICOL** is the wonderful scientific discovery for the prevention and treatment of White Diarrhoea. Guaranteed to make good. 25c size; 50c size; \$1.00 size.

#### KILLS POULTRY LICE

U. S. Dept. of Agriculture recommends **SODIUM FLUORIDE** to kill poultry lice. Burrell-Druggers' Talcimized Sodium Fluoride is specially prepared for poultry and carries government directions. Inexpensive and easy to use. Small size 35c; large size (holds twice as much), 60c.



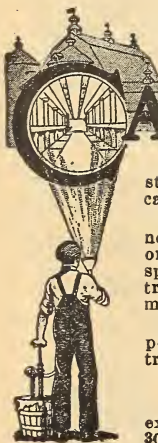
The only disinfectant that meets the needs of scientific poultrymen and experiment stations. Used and indorsed by 50 State Agricultural Colleges for lice and skin trouble of all live stock and poultry, to disinfect barns, pens, poultry houses and incubators. It is used constantly by the biggest poultry and live stock farmers of the world. Zenoleum is most important for sanitation and to guard against disease and kills lice and mites. Money back guarantee.

#### Zenoleum Lice Powder

Full 1 lb. can with sifter top 30c postpaid

#### Zenoleum Disinfectant Animal Dip

8 oz. can, 35c; pt. can, 50c; qt. can, 75c; 1/2 gal. can, \$1.25; 1 gal., \$2.00; by express.



### Carbola, the Germ Paint.

### Used Instead of Whitewash

Carbola is a mineral pigment combined with a germicide twenty times stronger than pure carbolic acid, but is absolutely non-poisonous and non-caustic.

Carbola is ready the minute you mix it with cold or hot water. It does not spoil by standing, so can be kept on hand for use when convenient or on a rainy day. It does not flake or peel. You apply it with a brush or sprayer. Carbola never clogs the sprayer. It is used by thousands of poultrymen, dairymen and farmers in all sections of the United States and by many experiment stations and agricultural colleges.

Carbola is so easily prepared and applied that you can easily keep your poultry houses, stables, dairies, cellars, etc., thoroughly sanitary and attractive in appearance at all times.

Your money back without an argument if it is not what we claim.

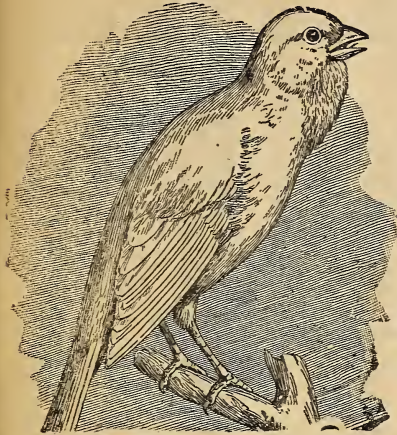
10 lbs. (10 gals.), \$1.25; 20 lbs. (20 gals.), \$2.50; 50 lbs. (50 gals.), \$5.00 by express or freight. Trial package (covers 200 square feet) and booklet for 30c, postpaid. Add 25% for points west of the Rockies.

**ALL PRICES ON THIS PAGE SUBJECT TO CHANGE**

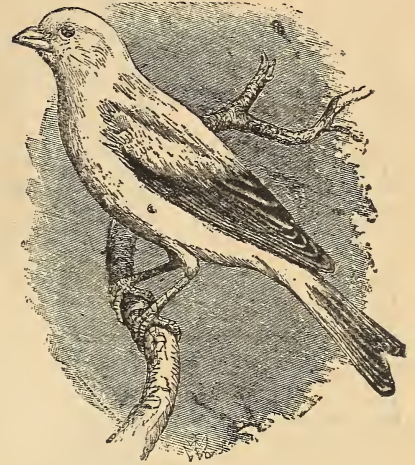
**PRICES DO NOT INCLUDE POSTAGE, EXPRESS OR FREIGHT EXCEPT WHERE NOTED**



# Birds and Supplies



ST. ANDREASBURG ROLLER



HARTZ MOUNTAIN CANARY

The companionship of a bird has brightened the life of many a tired, over-worked mother on whom the daily cares and burdens rested heavily. The music of a good singer makes the whole house more cheerful and every member of the family enjoys the pure, clear notes of a happy little song bird.

We have both imported and American raised birds, of selected stock. Our male canaries are guaranteed singers.

**ST. ANDREASBURG**

**ROLLER CANARIES** (Imported)--These birds are bred in a world-renowned town of Europe where the best canary breeders in the world are located. The St. Andreasburg Canary's voice is soft, with rolling notes, and is very restful, being an ideal bird for an invalid, and frequently purchased for presents to sick friends. **Prices: Guaranteed good singers, Males, good birds, \$10.00 each; selected, \$12.00 each; extra selected, \$15.00 each. Females, \$3.00 and \$4.00 each.**

**HARTZ MOUNTAIN CANARIES** (Imported)--These birds are imported right from the Hartz Mt. region in Europe. They are famous for their clear, pure, beautiful song; they are the most popular canary, sure to please. **Prices: Guaranteed good singers, Males, good birds, \$5.00 each; selected, \$10.00 each; extra selected, \$12.00 each.**

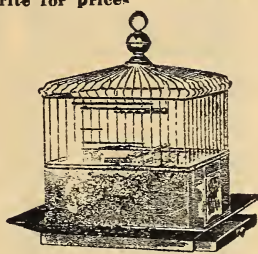
**HARTZ MOUNTAIN** (American raised)--**Prices: Males, good birds, \$5.00 each; selected, \$7.00 each; extra selected, \$8.00 each. Females, \$1.50 and \$2.00 each.** **OTHER BIRDS**--Write for prices

**MORE THAN PLEASD**

Greeley, Co., Neb., Nov. 23, 1922

Gentlemen:

The bird arrived all O. K. Within two hours after arrival it started to sing, and I was more than pleased with the bargain. **LEM LINCOLN.**



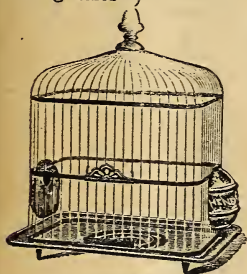
J. S. 510-14

**JAPANNED OR PAINTED CAGE.** (See cut No. 169). This is the common bird cage so much used. It is a painted cage decorated with purple, green or red. It is neat, durable and convenient. It is undoubtedly the best cage on the market for the money. We have it in the following sizes

- No. 162 9 1/2 x 9 1/2 inches.....\$3.15
- No. 163 1/2 10 1/2 x 10 1/2 inches..... 3.75
- No. 167 11 x 7 1/2 inches..... 3.15
- No. 169 13 x 8 1/2 inches..... 3.85

No. 267-G. Same size and similar to No. 167 but white enameled and with brass guard. **Price, \$4.75.**

No. 269-G. Same size and similar to No. 169 but white enameled and with brass guard. **Price, \$6.15.**



No. 169

**CUTTLE BONE**

Important for canaries, parrots and all seed-eating birds. Large, 5c; small, 2 for 5c; postpaid.

**SONG RESTORER**

It restores to their natural notes, birds which have lost their song from exposure to cold or excessive moulting. The use of one box will bring good results. Use in connection with their daily food. 25c, postpaid.



**FANCY HALF GLOBE CAGE**

Similar in shape to No. 276. Very popular style, neatly japped and trimmed in red, green or blue, or all ivory. Has screen to prevent scattering of seed.

- No. 6-10 in. diam. 16 1/2 in. high.....\$4.75
- No. 7-12 in. diam. 18 in. high..... 6.00

Has wire and solid partitions, sliding drawer, four cups, six perches, two nests with holders, closed back. White enameled, green trimmed.

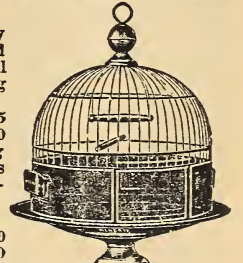
**DOUBLE BREEDING CAGE**

- No. 86S 17 1/2 x 8 3/4 x 13 1/4 .....\$5.50
- No. 86 20 x 10 x 14 ..... \$7.00
- No. 87 22 x 11 x 15 1/2 ..... \$8.00
- No. 88 24 1/2 x 12 1/2 x 16 1/2 ..... \$10.00

**ROUND BRASS CAGE.** (See cut No. 276)--One of our best sellers, made of brass throughout and fitted with brass wire guard.

- No. 274. 10 in. diameter; 16 inches high.....\$6.00
- No. 275. 11 in. diameter; 16 inches high..... 6.75
- No. 276. 11 1/2 in. diameter; 18 inches high..... 7.50

- Bird Nesting.....12c, postpaid
- Insect Powder.....20c, postpaid
- Birdolene .....20c, postpaid
- Canary Highballs, 15c, postpaid
- Bird Manna.....20c, postpaid
- Wire Nests.....20c, postpaid
- Brass Springs.....15c, postpaid
- Glass Cups.....20c, postpaid



No. 276

## A COMPLETE STOCK BIRD SEED CLEAN AND PURE

**CANARY** (Sicily)

Superior to all other varieties. 1 lb., 25c; 5 lbs., 80c. postpaid; 1 lb., 15c; 5 lbs., 65c, by express.

**BIRD RAPE**

Very desirable to furnish variety. 1 lb., 30c; 2 lbs., 50c, postpaid. 1 lb., 20c; 2 lbs., 35c; 5 lbs., 90c, by express.

**MIXED SEED FOR CANARIES**

All clean, plump seed, mixed in the proportion called for by experienced bird fanciers. 1 lb., 25c; 5 lbs., 80c; 10 lbs., \$1.50; postpaid. 1 lb., 15c; 5 lbs., 65c, by express.

**MAMMOTH RUSSIAN SUNFLOWER**

Most important food for parrots. Very nutritious and is liked by all large seed-eating birds. Postpaid: 1 lb., 25c; 5 lbs., 45c. By express: 1 lb., 15c; 5 lbs., 65c; 50 lbs., \$6.00; 100 lbs., \$11.00.

**HEMP, RUSSIAN**

A very rich, oily seed much liked by all birds. Should be fed sparingly, as it fattens the bird, and injures the song. 1 lb., 25c; 5 lbs., 80c; postpaid. 1 lb., 15c; 5 lbs., 65c; by express.

Prices Subject to Change and Do Not Include Postage, Express or Freight Except Where Noted



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# COVER COLLECTIONS

## SPECIAL VEGETABLE COLLECTION

1 MAMMOTH PACKET EACH OF THE 4 VARIETIES FOR 30c POSTPAID

**SWEET CORN, GOLDEN BANTAM**—Exeremely hardy, can be planted earlier than any other true sweet corn, thus producing the earliest supply. Ears 6 inches long, with 8 rows of grains, which are a golden yellow when ready for use. Can be planted thickly, and every stalk should have from 1 to 3 perfect ears. Price: Mammoth Pkt., 10c; lb., 30c; postpaid.

**TOMATO, JOHN BAER**—The best tomato on earth. It is the offspring of two marvelous tomatoes, the result of 15 generations of improvement and selection. It produces the most perfect, high crown red tomatoes in 30 days, also an enormous crop under ordinary conditions; 50 to 100 fruits to each plant; ripens evenly right up to the stem, no cripples, no scalds, no blight, no cracked, wrinkled, one-sided un-even, scarred fruit. When dead ripe John Baer tomato will not burst. It has a wonderful glistening, bright red color, and a mild, delicious, sweet flavor, is almost seedless, a marvelous stem setter, often 10 fruits in first cluster, solid and meaty. John Baer Tomato is the earliest, finest shaped fruit and has the best color and shipping quality of any tomato on earth. Price: Mammoth Pkt., 10c; oz., 30c; ¼ lb., \$1.10; lb., \$3.60; postpaid.

**PEAS, LINCOLN**—Without doubt the best pea in existence, an early variety growing from 1 to 1½ feet in height; the pods are of good size, dark green in color and always well filled. We have tested it against the best varieties of Dwarf Peas, and it has proven the most productive of all, the pods being heavy and producing a greater weight of shelled peas to the peck. A local market gardner planted 2½ pecks of the Lincoln Pea seed and produced 59 bushel of peas. Being the earliest on the market they brought the highest price; its a big money maker.

The Lincoln Pea with its abundance of heavy, well-filled pods of such excellent quality have made it a leading market growers variety. Any one planting peas should by all means plant The Lincoln Pea. Price: Mammoth Pkt., 10c; lb., 50c; postpaid.

**LETTUCE, NEW YORK IMPROVED**—Also called "Wonderful" and "Los Angeles". The main summer hot weather crop head lettuce it furnishes fine crisp lettuce during the hot summer months. It is reliable, a sure header, and is slow to go to seed. Plants of extra large growth, producing closely folded heads of immense size, often 15 inches in diameter and weighing 2 pounds each. The inner portion is beautifully blanched; outer leaves a deep rich green. Price: Mammoth Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60; postpaid.

## GRISWOLD'S SPENCER SWEET PEAS

1 MAMMOTH PACKET EACH OF THE 12 VARIETIES FOR 90c POSTPAID

Sweet Peas are among the most beautiful of all our hardy annuals. Select a sunny, open place, several feet from any building or close fence, and as far as possible from large trees. Sow as early in the spring as the ground can be worked. Make a trench 6 or 8 inches deep, but cover the seed only about an inch. As they come up, rake the dirt around the little plants, so that by the time they have reached the top of the ground, the trench will be almost full. Furnish support early. Give them plenty of water, and keep the blossoms picked closely. If they produce seed pods, they will stop blooming.

**ILLUMINATOR**—Glowing cerise salmon with an indication of bright orange. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**ORCHID**—A soft, clear, rich lavender. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**APPLE BLOSSOM**—Heavily shaded and edged with deep pink, rose and white. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**COUNTESS SPENCER**—Enormous flowers delicate pink shading deeper at the edges. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**OTHELLO**—Chocolate-red, self-colored. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**PRIMROSE SPENCER**—Pure primrose. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**KING WHITE**—Produces gigantic flowers, absolutely pure white. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**VERMILLION BRILLIANT**—The wings are of intense pure scarlet, making a uniform self-color throughout. This is by far the most intense self-scarlet in existence. The bold flowers are of large size and almost sunproof. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**HELEN LEWIS SPENCER**—Orange-rose wings with crimson-standard. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**MRS. CUTHBERTSON**—Beautifully shaded rose and white. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**WEDGEWOOD**—The best blue Spencer. It is a unique shade of clear, lovely blue. Pkt., 10c; oz., 30c; ¼ lb., 90c.

**FLORENCE NIGHTINGALE**—Delicate lavender, shaded rose pink. Pkt., 10c; oz., 30c; ¼ lb., 90c.

## TO MAKE A HOT BED

A hotbed should face the south or southeast, be located on well drained ground and if possible be protected on the north by a building or high fence.

6x10 feet will be large enough for an acre of garden. Sashes are usually 3x6 feet. Dig a trench 2 feet deep, around this place a frame 16 inches high at the back and 8 inches in front. Fill the hole with fresh horse manure that has lain for a week or ten days, tramping it down firmly and covering with 4 inches of fine, rich, black soil. Place the sashes over the frame. After standing a few days lift the sashes to allow the rank heat and steam to pass off; when the temperature has subsided to 90 degrees F. sow the seed. It is best to bank the outside of the frame up to the sash.

The hotbed may be all above ground by making a pile of manure 2 feet high, and 3 feet longer, and 2 feet wider than the frame, fill in with black soil and complete as directed for the excavated bed.

When plants are nearly ready for outside lift the sashes every pleasant day, gradually hardening off the seedlings.

Frame and sash should be stored away at the close of the season and will thus last for years.



# GRISWOLD'S SPENCER SWEET PEAS

MAMMOTH PACKET 10c.

1 each of the 12 varieties for 90c. postpaid



- 1 Illuminator
- 2 Orchid
- 3 Apple Blossom
- 4 Countess Spencer
- 5 Othello

- 6 Primrose
- 7 King White
- 8 Vermillion Brilliant
- 9 Helen Lewis Spencer
- 10 Mrs. Cuthbertson
- 11 Wedgwood
- 12 Florence  
Nightingale

For Description and Quantity  
Prices See Catalog.