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RIBSAM'S SEED MANUAL

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MARTIN C. RIBSAM & SONS CO.
143-5-7 EAST FRONT ST.
BETWEEN BROAD & MONTGOMERY STS., TRENTON, N. J.

Vegetable Seed Trials

RIBSAM'S OFFERS ITS 63rd SEED MANUAL

in the confident hope that it will be even more helpful than any of its predecessors. That Quality, Dependability and Satisfactory Service which have made Ribsam's an outstanding establishment in the past will be continued. The fifth year in our great store—said by travelers to be the finest of its sort in America, has been our most successful, by far. Its huge size has permitted greater variety, greatly increased facilities, and because everything is now under one roof, customers find dealing with Ribsam's more enjoyable than ever.

We would be remiss in courtesy if we did not express our gratitude for the response to our efforts to provide greater accommodation for buyers, and we acknowledge that response most heartily. We shall endeavor to merit its continuance.

THIS IS OUR SEED DEPARTMENT



In it, at all times, are the most reliable seeds we can procure. We buy only from sources of known dependability, and then make your buying doubly satisfactory on our germination by testing all seeds in our greenhouse. WE KNOW what we sell, as far as it is possible to find out.

NOTICE

Our aim is to sell the best seeds obtainable. We give no warranty, express, or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we sell and we will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned and money refunded. NOT TESTED SEED. So marked to comply with chapter 228, Laws New Jersey, 1916.

REGARDING POSTAGE OF VEGETABLE SEEDS

When ordering seeds sent by mail within 150 miles, add 7c. for the first pound, and 1c. for each additional pound. A quart of seed weighs about two pounds.

In making payment by mail, send checks or postal orders for amounts over ONE DOLLAR. Less than a dollar may be sent in specie at our risk.

For Best Results and Most Profit—ORDER EARLY!

A. FRANK HILLS, Seed Department Manager

Martin C. Ribsam & Sons Co.

143 to 147 EAST FRONT ST., TRENTON, N. J.

Phone 2-6111 - - Implement Dept. Phone 4534



RIBSAM'S LAWN GRASS SEEDS

The preparation for laying down lawns is too often hastily and imperfectly made. The first point is to get the ground shaped to the desired grade, taking care in grading that when the hills are removed sufficient subsoil is also removed to be replaced with top soil, so that at least 6 inches of good soil will overlay the whole in all places. When the grading is finished, drains should be laid wherever necessary; then the whole should be thoroughly plowed, a subsoiler following in the wake of the common plow, until it is completely pulverized. A heavy harrow should then be applied, until the surface is thoroughly fined down. All stones, roots, etc., should be removed, so that a smooth surface may be obtained. The lawn is now ready to be sown. When the seed is sown, a light harrow should again be applied, and after a thorough rolling given, so that the surface is made as smooth as possible. In the latitude of New Jersey the seed may be sown at any time during the months of April and May, and will form a good lawn by August if the preparation has been good. If sown in hot months of June or July, a sprinkling of oats should be sown at the same time, so that the shade given by the oats will protect the young grass from the sun. For small plots, of course, digging, trenching and raking must be done instead of plowing, subsoiling or harrowing. August and September are also good months to sow grass seed.

RIBSAM'S EVERGREEN LAWN GRASS SEED

From yearly comparative trials, has proved to be unsurpassed for first-class and permanent results. This is due to the fact that we use only the very finest varieties of the most suitable grasses, thoroughly re-cleaned, free from all chaff and weed seeds. This seed will produce a green, smooth, velvety sod with a thick bottom and free from such varieties of common grasses as produce clumps and knots on the lawn, which so frequently spoil the desired smooth and deep effect.

Lb. 60c., 5 lbs. \$2.75, 10 lbs. \$5.00, 20 lbs. \$9.00, 100 lbs. \$42.50

RIBSAM'S CHOICE LAWN GRASS SEED

This is composed of choice selected grasses, with White Clover, of neat, compact growth and will produce fine sward.

Lb. (which measures somewhat near a quart) 50c., 5 lbs. \$2.25, 10 lbs. \$4.00, 20 lbs. \$7.50, 100 lbs. \$32.50

RIBSAM'S SHADY NOOK LAWN GRASS MIXTURE

Usually it is quite difficult to obtain a satisfactory growth of grass under trees and in shady places. For sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade.

Lb. 60c., 5 lbs. \$2.75, 10 lbs. \$5.00, 20 lbs. \$9.00, 100 lbs. \$42.50

RIBSAM'S TERRACE SOD GRASS SEED

Realizing the difficulty experienced by the majority of lawn makers in getting a thick turf which will hold the soil on terraces and high slopes and prevent washing by heavy rains, we have, after much experimenting, established a mixture which admirably fills this need. This mixture has been carefully blended so as to contain various grasses of rapid, dense, even growth and strong root system which will insure a permanent, beautiful slope.

Lb. 60c., 5 lbs. \$2.75, 10 lbs. \$5.00, 20 lbs. \$9.00, 100 lbs. \$42.50

LAWN GRASS MIXTURES SUGGESTED BY NEW JERSEY EXPERIMENTAL STATION

Formula No. 1 —Standard mixture.....	Lb. 70c., 10 lbs. \$6.00, 100 lbs. \$55.00
Formula No. 2 —For finest quality turf.....	Lb. 90c., 10 lbs. \$8.50, 100 lbs. \$80.00
Formula No. 3 —For shaded areas.....	Lb. 75c., 10 lbs. \$6.50, 100 lbs. \$60.00
Formula No. 4 —Poor or sandy soils.....	Lb. 70c., 10 lbs. \$6.00, 100 lbs. \$55.00

Above mixtures should be used at the rate of 1 lb. to 200 sq. ft., 100 lbs. to the acre

WHITE DUTCH CLOVER

This is the best Clover for lawns, as it forms a close herbage and remains green throughout the season. It is also a very valuable mixture with grass seed for pasture. Sow in the Spring at the rate of 6 lbs. per acre when sown alone; one-half the quantity when sown with other grass.

¼ lb. 15c., ½ lb. 30c., 1 lb. 50c., 10 lbs. \$4.50, 100 lbs. \$42.50

Fertilizers, see page 47



Standard Varieties of TESTED VEGETABLE SEEDS for the Garden and the Farm

WITH DIRECTIONS FOR CULTIVATION

Seeds Tested in Our Own Greenhouses

WE offer no Novelties as a large percent of those that are offered on the market are worthless. Some few are good old sorts renamed by dashy catalog writers. We offer only good, tried varieties that are profitable to the gardener, trucker and farmer, excellent in quality and profitable producers.

When ordering seed for Parcel Post delivery add 7 cents for first pound and 1 cent for each pound thereafter for distances less than 150 miles.

Treat All Vegetable and Flower Seeds with Semesan Before Planting

ARTICHOKE

1 oz. of Artichoke will sow 100 ft. of drill and produce about 500 plants

Sow in April in rich soil and transplant the following Spring to permanent beds in rows or hills 3 feet apart and 2 feet between the plants. The plantation the first season will only give a partial crop, but it is a perennial; after being once planted the beds will remain in bearing for years. It should be protected in Winter by a covering of leaves or coarse manure.

LARGE GREEN GLOBE, PARIS. Best for general culture. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

ASPARAGUS

German, Spargel; Italian, Sparagio; Polish, Szparagi

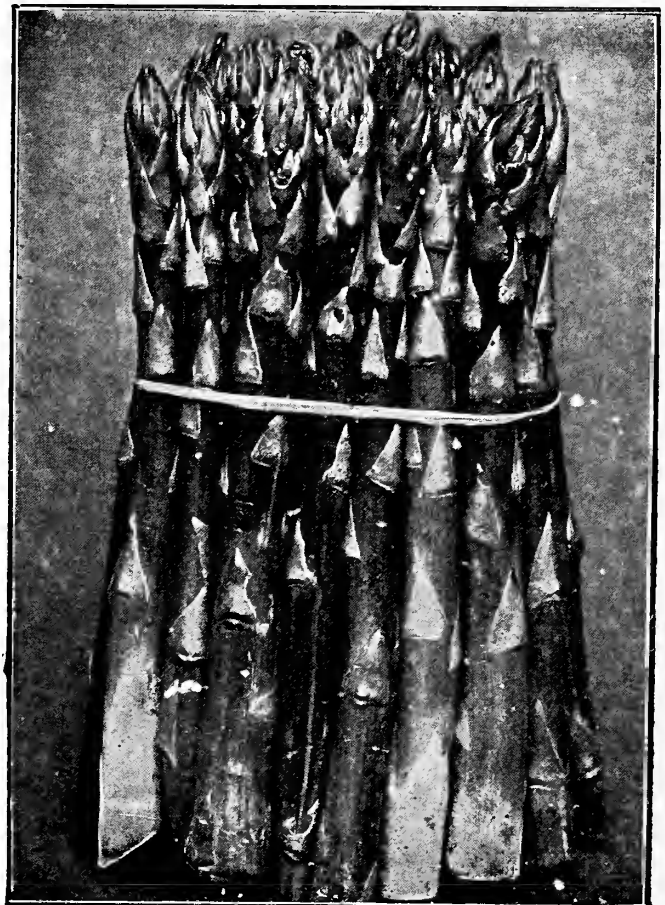
1 oz. of seed will produce 200 roots and sow about 50 ft. of drills. 100 roots will set a bed 12x30 ft., which will be large enough for ordinary family. For field culture, plant in rows 5 to 6 ft. by $1\frac{1}{2}$ ft. apart in the row according to soils

Sow early in Spring, as soon as the ground will admit of working, in rows 3 feet apart. Keep carefully hoed and clear from weeds and the plants will be in condition to set out the succeeding Spring. The soil for the permanent beds should be thoroughly manured and trenched to a depth of at least 2 feet. Plant in rows 5 to 6 feet apart and $1\frac{1}{2}$ feet between the plants in the rows. Spread the roots well out and let the crown of the plant be covered about 6 or 8 inches when established.

MARY WASHINGTON. The highest type of rust-resistant Asparagus. It is earlier, larger and longer than the original Washington and quite as resistant. Tips are very tight and do not sprangle out or blow prematurely. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

GIANT ARGENTEUIL, or FRENCH. Most popular variety on account of its large, thick stalks. Very tender and excellent flavor. Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

PALMETTO. This variety much earlier than Conover's Colossal, a good yielder and is more even and regular in growth. Quality as good as Conover's Colossal. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c.



Asparagus Mary Washington



Ribsam's Early Fill Basket

ASPARAGUS ROOTS

	100	1000
MARY WASHINGTON , 2-yr.-old roots.....	\$1.50	\$8.50
GIANT ARGENTEUIL , 2-yr.-old roots.....	1.50	7.50
PALMETTO , 2-yr.-old roots.....	1.50	7.50

Ask for prices on quantities of 5000 or more roots

BEANS—DWARF or BUSH

German, Bohnen; Italian, Fagiuoli; Polish, Fascola
60 lbs. to a bushel

1 lb. will plant 50 to 60 ft. of drill; 60 lbs. will seed an acre

A succession of sowings can be made from the first week in May until the middle of August. Plant in drills about 2 inches deep and from 18 inches to 3 feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted. The plants should be about 3 inches apart.

These prices on Beans are subject to change without notice

BEANS—GREEN POD VARIETIES

Treat Beans with Stimugerm

RIBSAM'S EARLY FILL BASKET (New). Early, hardy, strong grower. Round, straight pod, 6 in. long. Very productive, stringless, of a beautiful green color. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

FRENCH DWARF HORTICULTURE (Also called **Italian Bean**). Large green pods splashed with carmine, about 5 in. long, short and flat, almost stringless. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

BOUNTIFUL. An extra early flat-podded variety, stringless and of fine quality. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

EARLY BURPEE STRINGLESS GREEN POD. Very fine quality. Early and strong grower. One of the best round pod sorts. A good picking sort. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

THE GIANT-PODDED STRINGLESS VALENTINE. The pods are borne in enormous quantities close to the center of the plant and are not only longer but much thicker and more meaty than any of this stringless type. A desirable commercial variety. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

LARGE WHITE KIDNEY. Excellent as a shell Bean, green or ripe. ¼ lb. 10c., ½ lb. 15c., lb. 20c.; in 10-lb. lots, 18c. per lb.

WHITE MARROWFAT. Extensively grown for sale in the dry state; of average quality as a string Bean, but excellent shelled, either green or dry. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.

WHITE NAVY. Small, round white Winter Bean. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 15-lb. lots, 20c. per lb.

BEANS—WAX or YELLOW-PODDED VARIETIES

60 lbs. to a bushel

DELICIOUS WAX. This is a splendid, very productive round podded Wax Bean with extremely healthy vines. This stock was selected very carefully from Stringless Green Pod. It is the same in every respect as the Stringless Green Pod except that the pod is a wax instead of a green pod. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

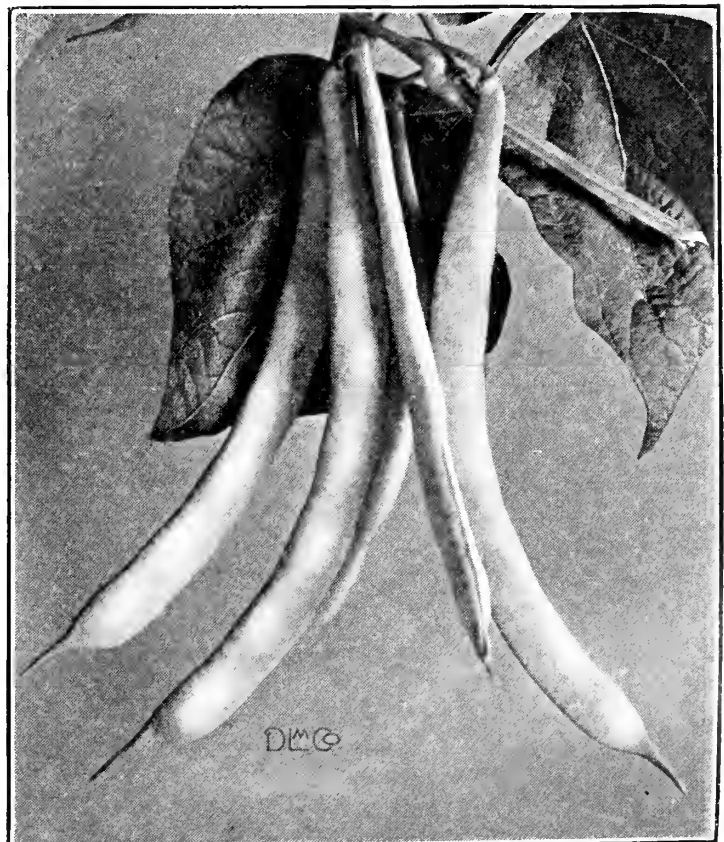
IMPROVED GOLDEN WAX. A flat-podded sort but probably the best known of the Yellow Wax Pod varieties, having become everywhere popular because of its long, showy pods, which are nearly twice the length of the old Black-seeded Wax. ¼ lb. 10c., ½ lb. 15c.; lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

PENCIL POD WAX. Pods are long, straight, round like a pencil; fleshy, of a bright yellow color, tender, brittle and absolutely stringless; very productive. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

ROUND POD KIDNEY WAX or BRITTLE WAX. A vigorous grower, pods fleshy, stringless and rustproof. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

SURE CROP WAX. Early black seed wax. Pods flat, large, stringless, rust-resistant, hardy sort. Very desirable market sort. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

WARDWELL'S RUSTPROOF KIDNEY WAX. This Bean is remarkably free of rust. Pods long, broad and of delicate waxy yellow; entirely stringless. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.



Improved Golden Wax Bean

BEANS—POLE or RUNNING (Snap Podded)

60 lbs. to a bushel

Treat Beans with Stimugerm

1 lb. will plant about 50 hills

These are more tender and require rather more care in the culture than the Bush Beans, and should be sown two weeks later than those; they succeed best in sandy loam, which should be liberally enriched with short manure in the hills, which are formed according to the variety, from 3 to 4 feet apart; from 5 to 6 seeds are planted in each hill, about 2 inches deep.

HORTICULTURAL POLE or CRANBERRY. Pods 5 to 6 in. long, straight, flat, stringless and of good quality; color, dark green splashed with bright red. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.; in 10-lb. lots, 25c. per lb.

OLD HOMESTEAD or KENTUCKY WONDER. Very early and enormously productive, long green pods, hanging in clusters on the poles, are stringless and cook tender. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.

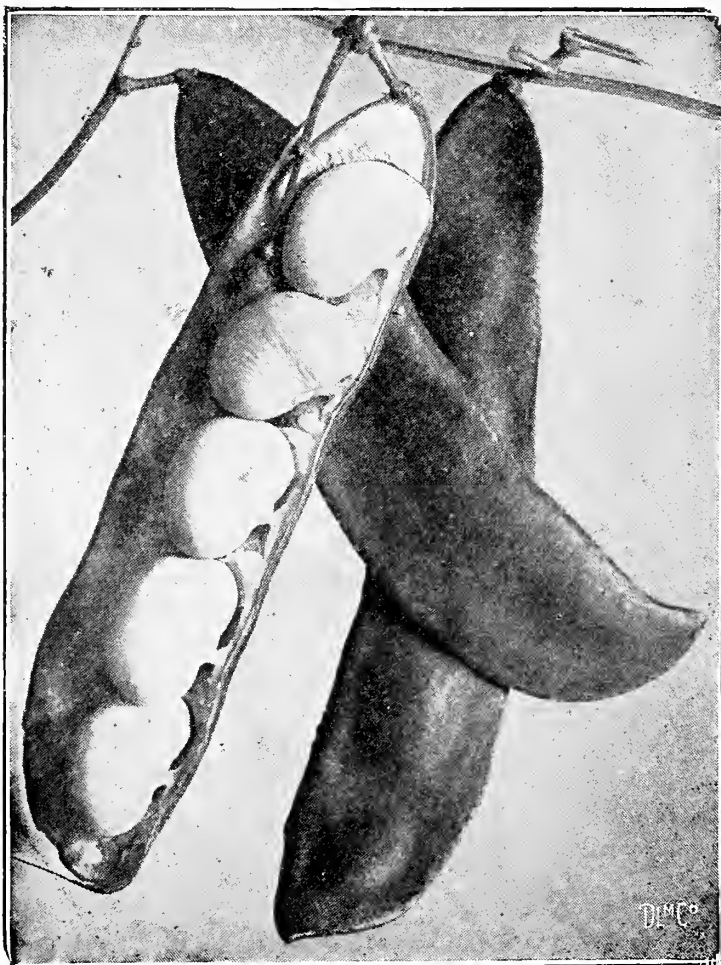
EARLY GOLDEN CLUSTER POLE WAX. The Early Golden Cluster begins to bear early in July and continues until frost. The pods are from 6 to 8 in. long and are borne in clusters of from three to six and are most freely produced. The pods are of a beautiful golden color and the flavor is most delicious. This variety can be used either shelled or as a string Bean. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 35c.

LAZY WIFE'S POLE BEAN. The pods grow from 6 to 8 in. long, entirely stringless and of a rich, buttery flavor when cooked. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.

SCARLET RUNNER. A great favorite in European gardens both as an ornamental and a useful vegetable. It grows to the height of 10 ft., producing dazzling scarlet flowers. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 35c.

BEANS—ENGLISH or BROAD WINDSOR

This class is very hardy and should be planted as soon as the soil is in good state in the Spring. Plant 4 inches apart and 2 inches deep, in drills 4 feet apart. To insure well-filled pods, pinch off the tops as soon as the lower pods begin to set. $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 25c., lb. 45c.



Fordhook Bush Lima Bean



Horticultural Pole Bean

BEANS—BUSH LIMA

Prices subject to market fluctuations

60 lbs. to a bushel

Treat Beans with Stimugerm

FORDHOOK BUSH LIMA. Best market variety of the bush sort. The beans are thick, of large size and fine quality. Very prolific. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 35c.; in 10-lb. lots, 30c. per lb.; in 100-lb. lots, 28c. per lb.

DREER'S BUSH LIMA. The best variety of the Bush Lima for home garden. Pods are well filled and quality of bean unexcelled. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 35c.; in 10-lb. lots, 30c. per lb.

HENDERSON'S BUSH LIMA. Produces enormous crops of delicious, small Lima Beans which can be as easily gathered as the common garden Bush Bean. It is at least two weeks earlier than any of the climbing Limas. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.; in 10-lb. lots, 25c. per lb.

IMPROVED BURPEE'S BUSH LIMA. Larger in size of pods than Burpee's; green in color and quality good. Improvement on Burpee's Bush Lima. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.; in 10-lb. lots, 28c. per lb.; in 100-lb. lots, 25c. per lb.

BEANS—POLE LIMA

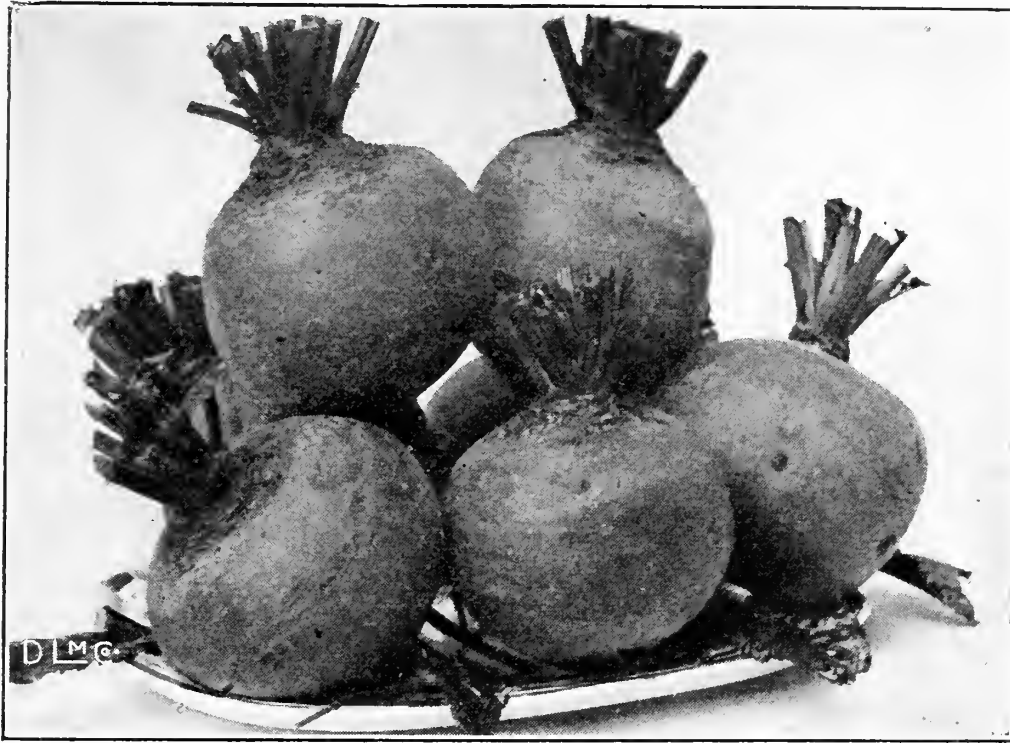
60 lbs. to a bushel

DREER'S IMPROVED POTATO or CHALLENGER. Earlier and more prolific than large Lima. Bean small and of extra quality, thick. Produces almost all season. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.; in 10-lb. lots, 28c. per lb.; in 100-lb. lots, 25c. per lb.

FORD'S GREEN MAMMOTH. This is undoubtedly the best of all the climbing Limas, the individual beans being of enormous size, containing from five to eight green beans to a pod. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.; in 10-lb. lots, 28c. per lb.; in 100-lb. lots, 25c. per lb.

KING OF THE GARDEN. Large in pod and bean very productive. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.; in 10-lb. lots, 28c. per lb.; in 100-lb. lots, 25c. per lb.

LEVIATHAN, EARLY. An exceedingly early and an enormous cropper from the start; quality fine. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 20c., lb. 30c.; in 10-lb. lots, 28c. per lb.; in 100-lb. lots, 25c. per lb.



Detroit Dark Red Beet

BEET

German, Rote-Rube; Italian, Barbabietola; Polish, Buraki

1 oz. of garden varieties will sow 75 ft. of drill, 5 to 6 lbs. to the acre

The soil which is best suited for the culture of the Beet is that which is rather light than otherwise, always provided it is thoroughly enriched with manure. For any early supply sow in Spring as soon as the ground becomes fit to work, in drills about 1 foot apart and 2 inches deep. For main crop sow the first week in May, and for Winter use sow in June. When the plants have attained three or four leaves, thin out, so that they may stand 4 to 5 inches apart. Keep free from weeds by hand weeding and hoeing. In October the roots may be taken up and stored, care being taken that they are not bruised or injured in the process.

EARLY WONDER. For early Beet, this is one of the best. Will grow well under sash. It is smooth and dark in color with small tops. An excellent all-season variety. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

EARLY EGYPTIAN TURNIP CROSBY (Improved American Strain). Earliest Beet in cultivation. Color deep crimson. Of excellent quality. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

EARLY BLOOD TURNIP. The standard early sort. An excellent variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. 90c.

ECLIPSE. While it is not as early as the Egyptian, it is better, because it is larger and of much finer quality. It makes a small top and produces smooth growth, perfectly round Beets, the skin and flesh of which are of dark crimson color. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. 90c.

LONG SMOOTH BLOOD RED. An excellent late variety. A great improvement on the common Long Blood. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

DETROIT DARK RED. One of the best market gardener's variety. Second early and a Fall and Winter variety. One of the best keepers, fine grained; remains tender longer than any other variety. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00; in 10-lb. lots, 75c. per lb.

WHITE SUGAR. Good for late table and stock feeding; sweet. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

BEET—MANGEL WURZEL

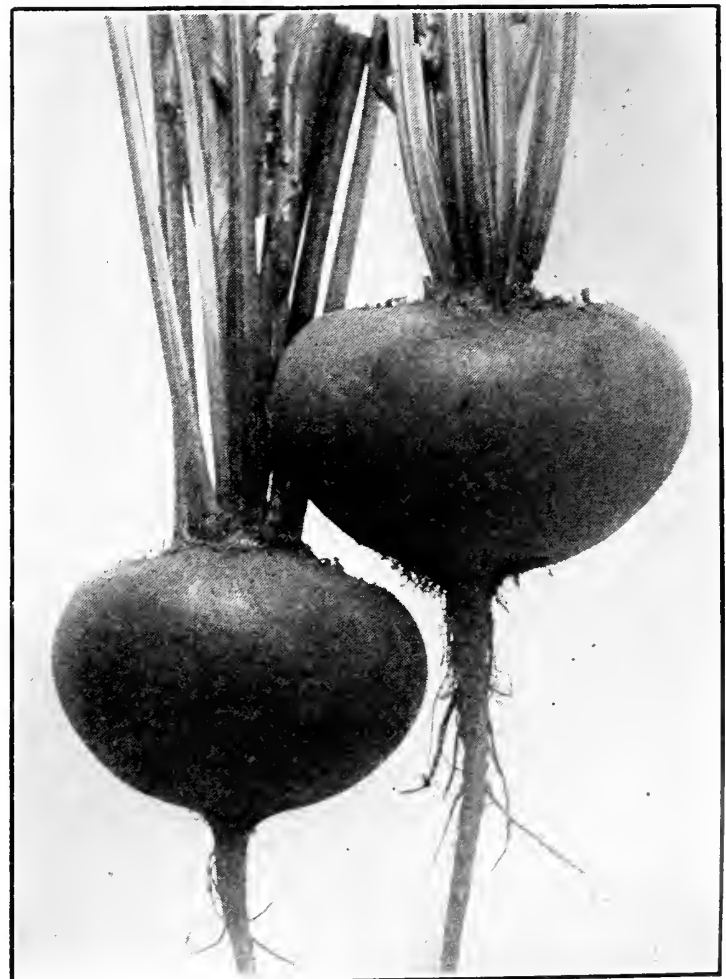
The following varieties are grown for feeding cattle and stock. Sow in April or May, 6 to 8 lbs. per acre, in rows 3 feet apart, thin out to 6 inches in the row. During rainy weather the plants can be transplanted.

MAMMOTH LONG RED. This is the finest stock of Long Red Mangel in cultivation. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 40c.; in 5-lb. lots, 35c. per lb.

RED GLOBE. A variety similar to the Yellow Globe in shape and size and differing only in color. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 40c.

GOLDEN TANKARD. This variety is an exceedingly popular variety in Great Britain, where it is considered particularly valuable on account of its nutritious and milk producing qualities. Sheep have preference for this sort over other Mangels. It is said that they will pick out every piece of Golden Tankard before touching others. It yields enormous crops. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 40c.; in 5-lb. lots, 35c. per lb.

YELLOW GLOBE. Roots of large size and globular form. Very productive. Keeps better than the Long Red and is better adapted for growing in shallow soil. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 40c.; in 5-lb. lots, 35c. per lb.



Early Egyptian Turnip Crosby Beet

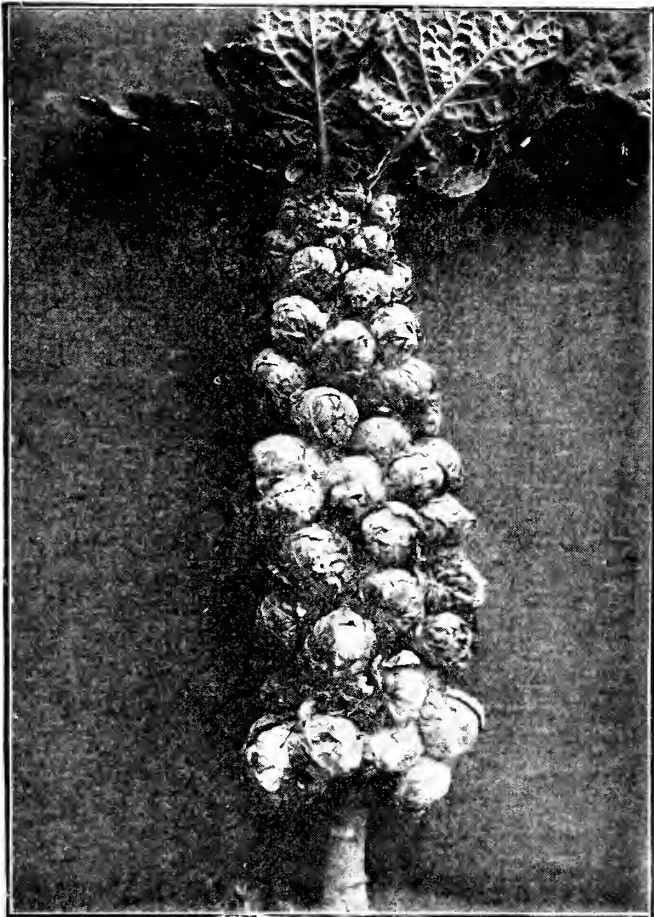
BEE T—SWISS CHARD

1 oz. will sow 75 ft. row; 5 to 6 lbs. to an acre

Swiss Chard or Spinach Beet are grown for their leaves. The midrib when boiled makes delicious greens or the leaves may be boiled and served as Spinach. Sow early in the Spring. The leaves are soon ready to eat and will continue to grow all through the Summer and Fall. It has become a very profitable and likable wholesome vegetable.

SILVER-RIBBED GREEN-LEAVED. Smooth leaves, large stems which are tender and of fine flavor. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 90c.

LUCULLUS. A new variety with curled leaves. Stem and leaves are very large and of the finest quality. It is also a very ornamental plant for a garden. White stem and green, curly leaves are attractive. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.



Brussels Sprouts

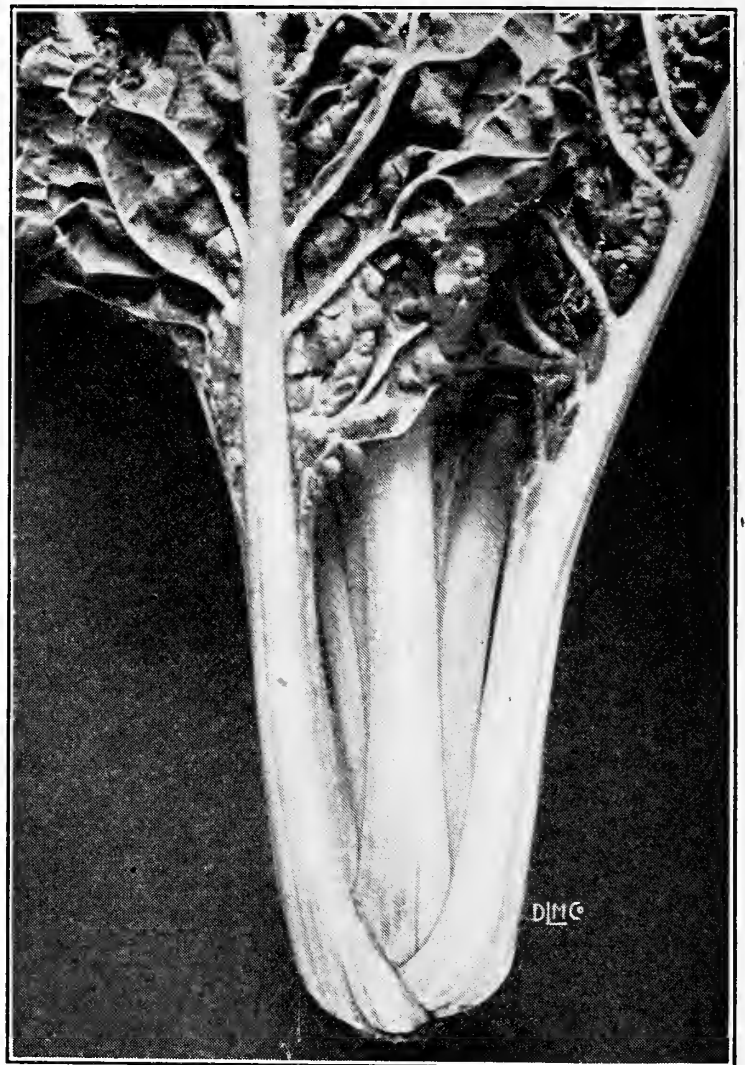
BRUSSELS SPROUTS

1 oz. will sow 75 ft. of drill and produce about 2000 plants

This is one of the best vegetables for Winter use, producing from the axils of the leaves an abundance of sprouts, resembling small Cabbages of excellent, mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the Winters of the northern states; still, by sowing in April or May and planting out in July, it may be had in fine condition until December and in the southern states may be had in use from November to March.

IMPROVED LONG ISLAND. Popular variety, producing numerous good sized, compact sprouts. Pkt. 10c., oz. 25c., ¼ lb. 65c., lb. \$2.00.

DWARF IMPROVED. A variety producing compact sprouts Pkt. 10c., oz. 20c., ¼ lb. 65c., lb. \$2.00.



Lucullus Swiss Chard

BROCCOLI

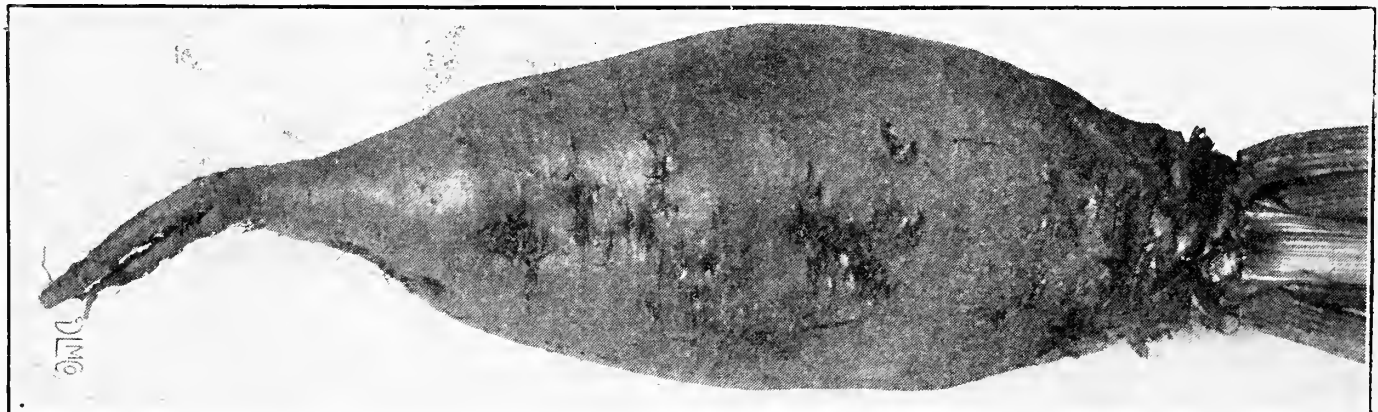
1 oz. will sow 75 ft. of drill and produce about 2000 plants

Nearly allied to the Cauliflower, but more hardy. The seed should be sown in this district in the early part of May and transplanted in June; farther south the sowing should be delayed until June or July, and the transplanting accordingly, from August to October. In parts of the country where the thermometer does not fall below 20 to 25 degrees, Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.

ITALIAN or CALABRESE. Extensively cultivated by Italian gardeners. Plant forms a large, solid head which remains green. When central head is cut numerous sprouts develop from the leaf axils. Each sprout terminates in small green heads which are bunched for market. Pkt. 15c., oz. 50c., ¼ lb. \$1.50, lb. \$5.00.

WHITE CAPE. Heads medium size, close, compact and of a creamy white color. One of the most certain to head. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

PURPLE CAPE. Differs only in color. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.00.



Mammoth Long Red Mangel Wurzel Beet (See page 5)

CABBAGE

German, Kraut; Italian, Cavola Capuccio; Polish, Kapusta

1 oz. will sow 75 ft. of drill and produce about 2000 plants

Treat seed before sowing with Semesan for disease protection

The early varieties of Cabbage are cultivated more extensively than any other vegetable. In latitudes where the thermometer never indicates 20 degrees below the freezing point, seed may be sown in the open border in October and planted out on the first opening of Spring, but in our northern states they must either be sown in hotbeds in February, or, what is still better, wintered over in coldframes. For this purpose the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon, the plants might run to seed, and if too late, they will be too small.

In four or five weeks from the time of sowing they will be fit to transplant into coldframes. In planting it is very important with Cabbage or Cauliflower that the plant is set down to the first leaf, so that the stem is all under ground, for if exposed, it will be split by the action of the frost and will be injured in consequence. The plants are usually set out from the middle of March to the middle of April, in rows about 2 feet apart and 18 inches between the plants in rows. The late varieties are usually sown in the early part of May and the plants are set out in July at a distance of 3 feet between the rows and 2 feet between the plants.

EXTRA EARLY JERSEY WAKEFIELD. Extensively grown in all parts of the country as the best and most profitable early variety in cultivation and extra fine stock. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Extra Early Jersey Wakefield Cabbage



Danish Ball Head Cabbage

EARLY GOLDEN ACRE. This is an extra early strain of Copenhagen Market, maturing 10 days earlier. Heads 9 in. in diameter, uniform weight of 5 lbs. Stalk short of compact growth. Can be planted as close as the Wakefields. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

CHINESE PE-TSAI. It is called cut Cabbage in China and is appearing extensively in our markets. It grows erect, not forming a head and resembles Cos Lettuce. Its flavor is mild and is used either as a salad or cooked. Set plants 3 feet apart and 2 feet in the row. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

COPENHAGEN EARLY MARKET. An excellent early variety. Matures at about the time of Charleston Wakefield. Heads very large and round. Leaves light green, head very heavy and it is a very uniform cropper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

EARLY SUMMER. It is about 10 days later than the Wakefield, but being fully double the size it may be classed as the best early flat head Cabbage. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

SUCCESSION. The Succession we regard as the most valuable variety that has been introduced since the early Summer. It is the best Cabbage for either early or late use ever offered. The Succession is about one week later than the Early Summer, but it is double the size. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

AUTUMN KING or WORLD BEATER. A distinct strain of late Cabbage which is highly spoken of by all market gardeners who have thus far tested it. The heads are of enormous size and very solid. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

DANISH BALL HEAD (Short stem). A very handsome and extremely hardy imported Cabbage, which is growing in popularity in America having proven one of our best Winter sorts. Heads are not quite as large as the Late Flat Dutch, but very hard, round, fine grained and will weigh one-fourth more than other varieties of equal size. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

SELECTED PREMIUM LATE FLAT DUTCH. To this we have only to add that the seed offered has been grown from heads uniform in size, large and solid. Those who buy it for the first time will find it to be one of the most satisfactory strains of late Cabbage they have ever used. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

DRUMHEAD SAVOY CURLY CABBAGE. The largest heading sort of excellent flavor. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

LARGE LATE DRUMHEAD. Grows to a large size with round compact heads. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

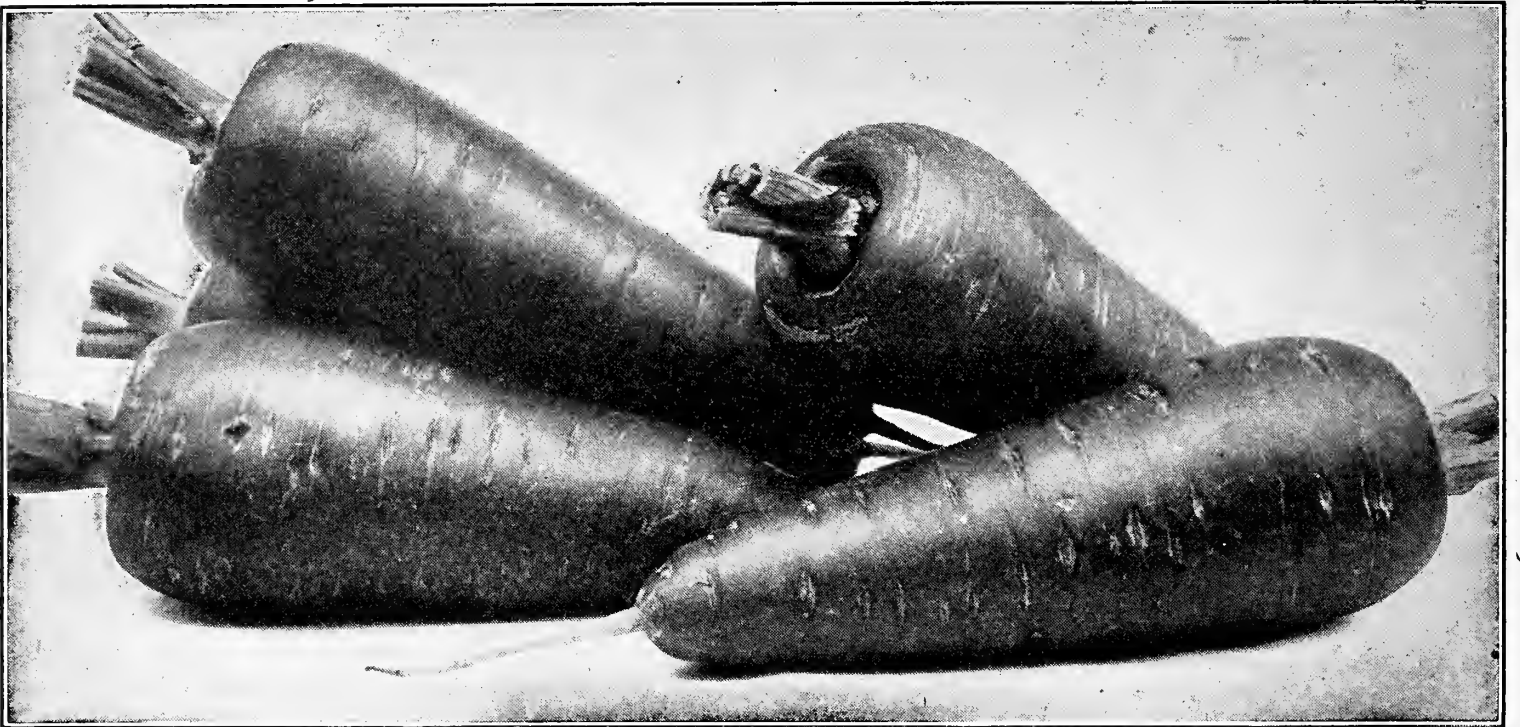
RED DUTCH. Used almost exclusively for pickling. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

MAMMOTH ROCK RED. This is by far the best, largest and surest heading Cabbage ever introduced. The head is large, round, very solid and of deep color inside, as well as outside. Ninety-eight per cent of the plants will form extra fine heads. The best of the red Cabbages. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Dust your seed with Semesan before planting



Copenhagen Early Market Cabbage



Chantenay-Half Long Carrot

CABBAGE PLANTS

Prices subject to fluctuation

Early Sorts

EARLY WAKEFIELD and EARLY SUMMER. Doz. 10c., 100 75c., 1000 \$5.00 out of seed bed.

Transplanted Plants. Doz. 25c., 100 \$1.25.

Late Sorts

SUREHEAD, DANISH BALL HEAD, LATE FLAT DUTCH, AUTUMN KING, SUCCESSION. 100 75c., 1000 \$4.50. Field grown.

Special prices given on lots of 5000 or 10,000



Danvers Carrot

CARROT

German, Gelbe-Ruben; Italian, Carota; Polish, Marchew

1 oz. will sow 100 ft. of drills; 3 lbs. will seed an acre

The Carrot, like other root crops, delights in a sandy loam, richly filled. For early crops sown in Spring, as soon as the ground is in good working order; for later crops, they may be sown any time until the middle of July. Sow in rows about 15 inches apart, thinning out to 3 or 4 inches between the plants. For field culture, rows 3 feet apart; 4 inches apart in the row.

CHANTENAY HALF-LONG. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 6 in. long, stump-rooted. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

CORELESS, IMPROVED EARLY NANTES. A handsome early Carrot. Deep orange in color, smooth, cylindrical in form. Free from woody heart or core and of the highest quality. Pkt. 10c., oz. 20c., ¼ lb. 40c., lb. \$1.25.

EARLY FRENCH FORCING. The earliest variety; valuable for forcing; root small and of fine flavor. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

EARLY SCARLET HORN. An old favorite sort, much esteemed for early Summer use. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

LONG ORANGE IMPROVED. The roots are of large size. Equally adapted for garden or farm culture. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

RUBICON HALF-LONG ORANGE. It is uniform in shape and its deep red orange-colored flesh makes it the finest in quality. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

DANVERS. A variety between the Long Orange and Early Horn Class. In color it is of a rich shade of orange, growing very smooth and handsome. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

CATTLE CARROT

LARGE WHITE BELGIAN. A very productive kind. Grown almost exclusively for stock; grows one-third out of the ground; lower part of the root white, that above the ground green. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. 90c.

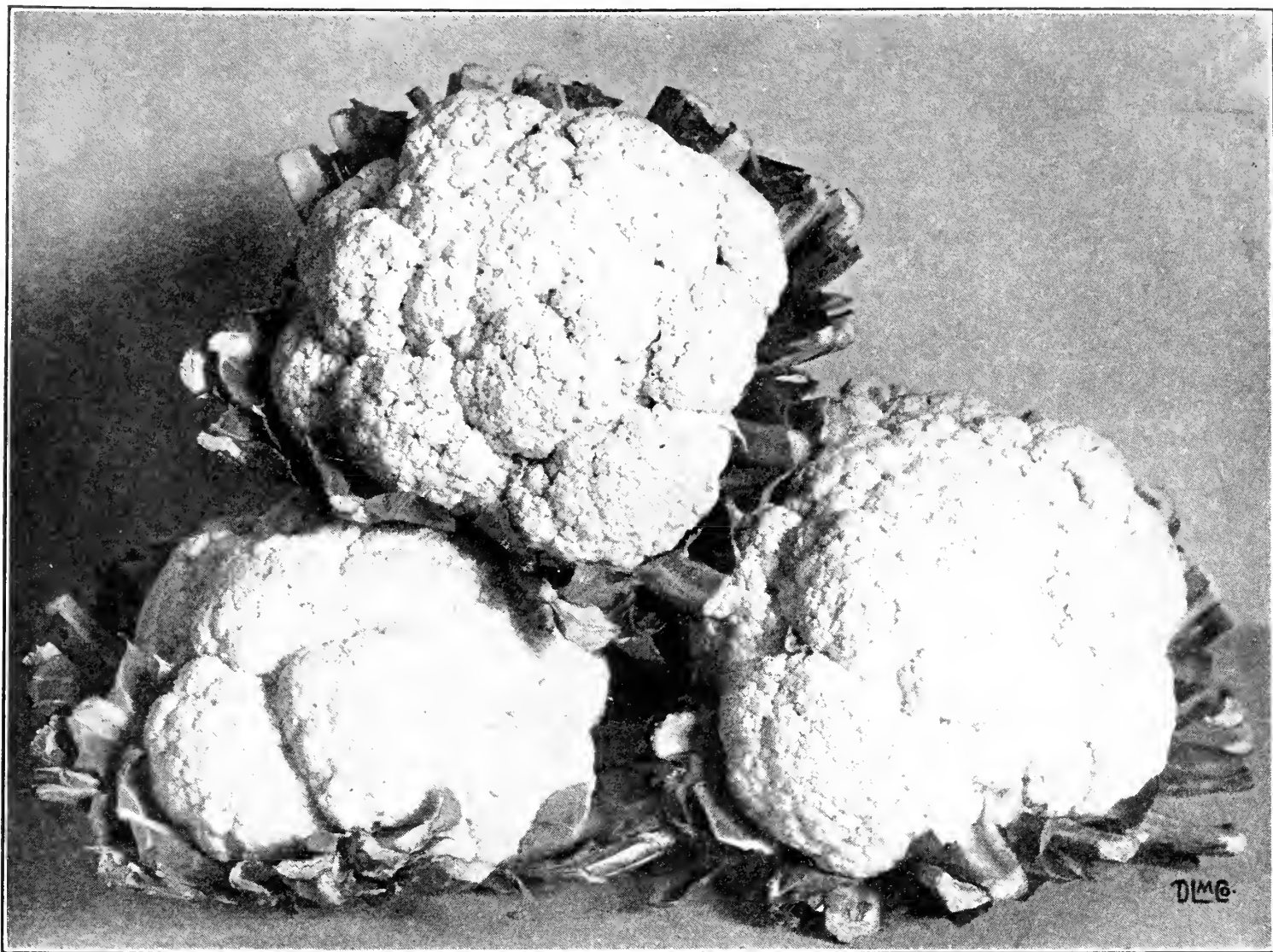
YELLOW BELGIAN. When young the roots are mild, delicate and of good flavor; when full grown valuable for stock. Pkt. 5c., oz. 15c., ¼ lb. 35c., lb. 90c.

CARDOON

1 oz. will sow 100 ft. of drill

Cardoon is grown for the midrib of the leaf which requires to be blanched in the same manner as Celery. Sow early in Spring, where the plants are to remain in drills 3 feet apart, 1 ½ inches deep, and thin out the young plants to 1 foot apart in the drills

LARGE SPANISH. Pkt. 10c., oz. 35c., ¼ lb. 75c., lb. \$2.00.



Super Snowball Cauliflower

CAULIFLOWER

German, Blumenkohl; Italian, Colovoflore; Polish, Kalafior

1 oz. will sow 75 ft. of drill and produce 2000 plants

Dust your seed with Semesan before planting

Any soil that will grow Cabbage will grow Cauliflower, as their requirements are almost similar. But as the product is more valuable, extra manuring and preparation of the soil will be well repaid.

The seed may be sown in September and wintered over in the same manner as described for early Cabbage. Where this is not practicable, it may be had nearly as well by sowing the seeds in the hotbed in January or February and transplanting the plants at 2 or 3 inches apart, in boxes, or in the soil of another hotbed, until such time as they are safe to be planted in the open ground, which, in this latitude, is usually from the 15th of March to the 10th of April. If properly hardened off, they are seldom injured by planting out too early.

SUPER SNOWBALL. It is the earliest of all Cauliflowers. Sown at the same time and under the same conditions with ten other kinds on the 1st of June, heads of the Early Snowball measuring 9 in. in diameter are about one week earlier than any other sort. Every plant forms a fine head. In addition to its earliness and greater certainty to head than any other sort, its dwarf habit and short outer leaves allow it to be planted as close as 18 in. apart. For forcing under glass during Winter and Spring, this variety is particularly well adapted. Pkt. 25c., oz. \$2.00, ¼ lb. \$6.00, lb. \$20.00.

DRY WEATHER. Especially adapted to dry soils and long dry seasons. Heads large and pure white. Pkt. 25c., oz. \$2.00.

CELERIAC or TURNIP ROOT CELERY

1 oz. will produce 3000 plants

A variety of Celery having Turnip-shaped roots, which may be cooked and sliced and used with vinegar, making a most excellent salad. It is more hardy and may be treated in the same manner as Celery.

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

CELERY SEED

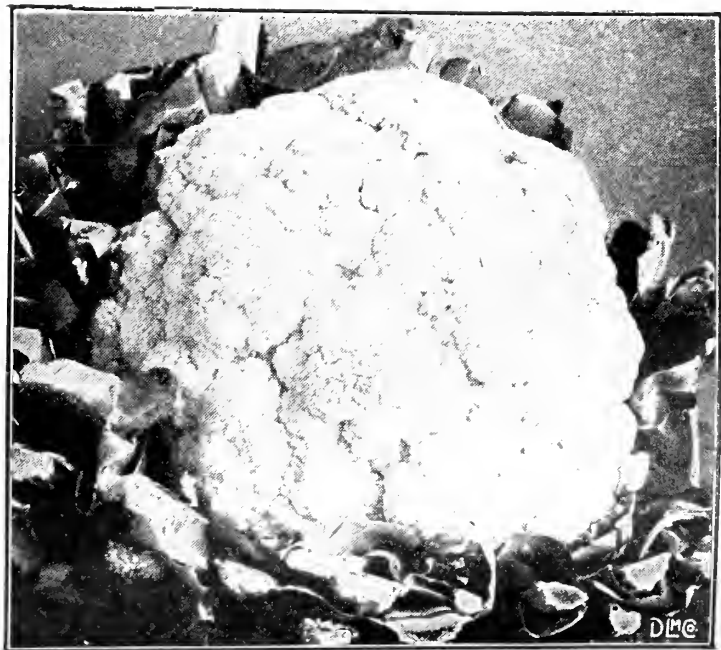
CELERY SEED. For flavoring. ¼ lb. 35c., lb. \$1.25.

CELERY PLANTS

Ready July 10th

8,000 to 10,000 plants to an acre

Varieties same as list of seed. 100 75c., 1000 \$4.50 and 5000 or over, \$4.00 per 1000.



Dry Weather Cauliflower

CELERY

German, Sellerie; Italian, Sadama; Polish, Selery

1 oz. will sow 100 ft. row and produce 3000 plants

Sow in open ground as soon as it is fit to work late in March or early in April. Keep clear of weeds until time for transplanting, in June or July. The tops should be shorn off once or twice before transplanting to insure stocky plants. When from 4 to 6 inches high, transplant into broad, shallow trenches nearly on the level, 3 feet apart and 6 inches in the rows. The soil should be light, highly manured and moist, or near water, as the plants must be freely watered in dry weather. Earthing up should not be begun until the plants are quite well grown; then earth up gradually, keeping the leaf stocks close together so that the earth may not fall into the center of the plant. Never earth up in wet weather or when the dew is on the plant. Celery for very late use which is earthed or bunched up early is liable to rust. When severe cold weather comes on, cover with leaves, hay or straw, and place boards on the top to keep out moisture. The covering must be put on gradually, else there will be danger of heating and consequent decay.

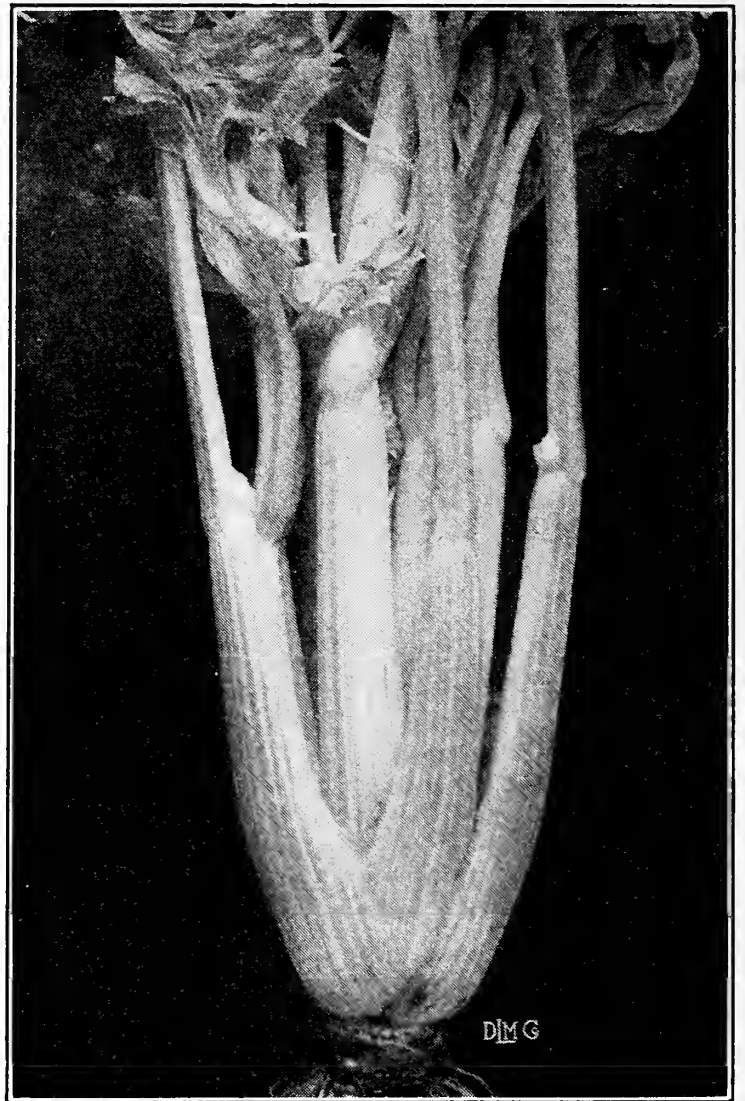
NEW GOLDEN PLUME or WONDERFUL. A cross between Easy Bleacher and Golden Self Blanching. Of robust habit, full heart of bright yellow color. It has resisted blight the past years. It is the coming market variety. It is listed under two names. Pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

EMPEROR or FORDHOOK. New Fall and Winter sort. Plant stocky, full light yellow heart; stalks broad, thick and crisp of superior quality. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

GOLDEN YELLOW SELF BLANCHING (French Strain). This variety of Celery is of a yellowish green color but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier. The handsome color, crispness, tenderness, freedom from stringiness and fine nutty flavor of this variety makes it only necessary to be tried in order to establish it as the standard of excellence as an early sort. Pkt. 10c., oz. 60c., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.

GIANT PASCAL. A green sort, very brittle, but crisp and nutty in flavor. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

GOLDEN SELF BLANCHING ("American Grown"). A most valuable variety which partakes somewhat of the character of the celebrated White Plume, inasmuch as it does not require such high banking up as the ordinary sort to be fit for the table. It simply needs a slight earthing-up or handling. It is a beautiful waxy, golden color, very solid and of a rich, nutty flavor. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



New Golden Plume Celery

EASY BLANCHING or EASY BLEACHER (Extra Strain). A tall growing white variety of excellent quality, of recent introduction. Blanches readily with boards. Grows well both on muck and upland. It is not so susceptible to blight as other self bleaching sorts and quality much better. It is becoming to be the best market variety to plant for profit. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

WINTER QUEEN. Late half dwarf Golden Heart type of more robust growth. Very good late market sort. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

EARLY WHITE PLUME. This Celery is valued because naturally the stalk and portions of its inner leaves and heart are white. By simply tying up the leaves and drawing up the soil with the hoe, the work of bleaching is completed. It is ornamental, tender, crisp and of good flavor. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

SCHUMACHER. Very popular among New York market gardeners. They consider it the best Winter variety, keeping quality excellent. Grows to large size with golden yellow heart. Very solid and crisp. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

CHICORY

1 oz. will sow 150 ft. of drill

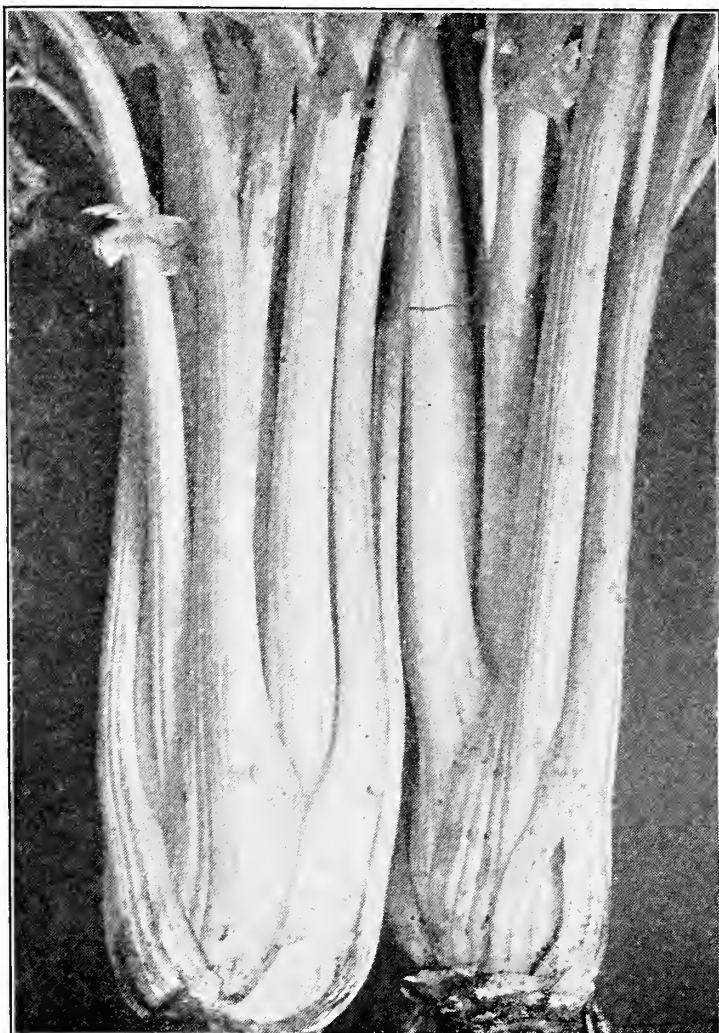
LARGE ROOTED MAGDEBURG. Used to mix with or as a substitute for coffee. Cultivation the same as the Carrot. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

WITLOOF CHICORY or FRENCH ENDIVE. Sold on most all fruit and vegetable stands during Winter. Drill seed 10 in. apart in June; let plants grow until November. Take up and trim to 1 $\frac{1}{2}$ in. from neck, leaving 8 in., then plant upright 1 $\frac{1}{2}$ in. apart in trenches 16 in. deep. Fill trench with good soil and manure. In four weeks the Endive will be ready for use and is eaten raw or cooked. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

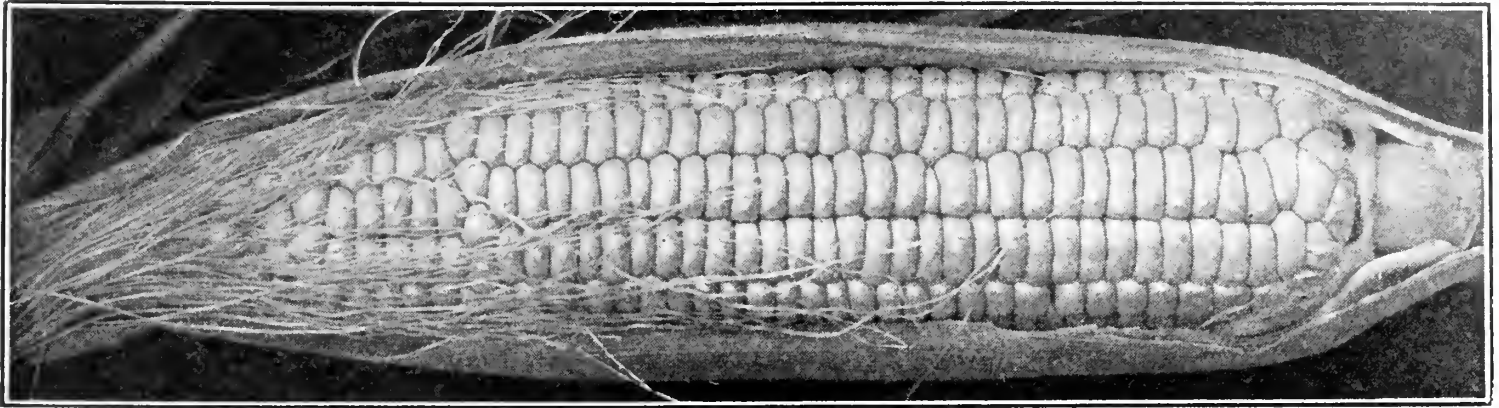
CHERVIL

1 oz. to 150 ft. of drill

CURLED. An aromatic sweet herb. The young leaves are used in soups and salads. Sow thinly in May, in drills $\frac{1}{2}$ in. deep, 1 ft. apart. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



Golden Self Blanching Celery



Golden Bantam Sweet Corn

CORN—SWEET

German, Mais; Italian, Mais; Polish, Kukurydza

1 lb. will plant 75 to 100 hills, according to the variety, 12 to 15 lbs. will plant an acre, 150 lbs. will sow an acre broadcast for silage, or half that quantity in drills, 8 to 12 lbs. will plant an acre of yellow Field Corn in hill, one-third more in drill

Notice—These prices are subject to change without notice

All varieties of Sweet Corn may be either sown in rows 3 feet, 6 inches to 4 feet apart and the seeds planted at about 10 inches in the rows, or planted in hills at distances of 3 or 4 feet each way, according to the variety grown or richness of the soil in which it is planted. The taller the variety, or richer the soil, the greater should be the distance apart. We make our first plantings in this vicinity about the first of May, and continue successive planting for Sweet Sugar varieties every two or three weeks until the last week in July. In more southerly latitudes planting is begun a month earlier and continued a month longer.

Treat your Corn with Semesan Junior before planting

GOLDEN BANTAM. Dwarf, good garden sort of creamy yellow, very early; delicious flavor. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

GOLDEN GIANT. Taller variety than Golden Bantam. Matures early. Ears good length, filled from butt to tip. Kernels regular, heavy yielder, excellent quality. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

GOLDEN EVERGREEN. Character similar to Stowell's Evergreen except in color. A golden yellow; very sweet ears; large. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

EXTRA EARLY GOLDEN SUNSHINE. Stalks 4 ft. high. Ears 6 to 7 in. long, 12-rowed. Yellow grain and sweet, extremely early. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

WHIPPLE'S EARLY YELLOW. A remarkable new yellow Sweet Corn of much merit. Ears 7 to 8 in. in length. Extremely early. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

WHIPPLE'S EARLY WHITE. Five days earlier than Crosby Stalks. 5 to 6 ft. high, often two ears to stalk, 8 in. long. Grain deep on the evergreen type. Pearly white, very sweet. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

HOWLING MOB. Ears measure from 7 to 9 in. in length. Ripens before Early Evergreen; grains are very white and sweet. Carries generally two ears to stalk and will prove a money maker in the market. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c., in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

EARLY KENDEL'S GIANT. One of the largest earliest Sweet Corn introduced. An extra market sort. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

EARLY EVERGREEN. A second early; it has all the good qualities of Stowell's Evergreen. It is about 8 days earlier, a little shorter in the ear. Quality of the best. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

LONG ISLAND BEAUTY. A cross between Evergreen and Late Mammoth. Ears are long, with 12 and 14 rows of pearly white grains, excellent quality. A very good market sort. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

BLACK MEXICAN. A variety with black grains; one of the sweetest of all kinds. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.

STOWELL'S EVERGREEN ("Eastern Stock, Sweetest Strain Known"). A large variety of excellent quality, remaining longer in the green state than any other kind. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

COUNTRY GENTLEMAN. The popular Shoe Peg Corn. Ripens about 110 days after sowing—a week later than ever-popular Stowell's. Ears medium size, deep grains in irregular rows on cobs and deliciously sweet, tender and milky. Pkt. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 22c. per lb.; in 100-lb. lots, 20c. per lb.

POP CORN

WHITE PEARL. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.

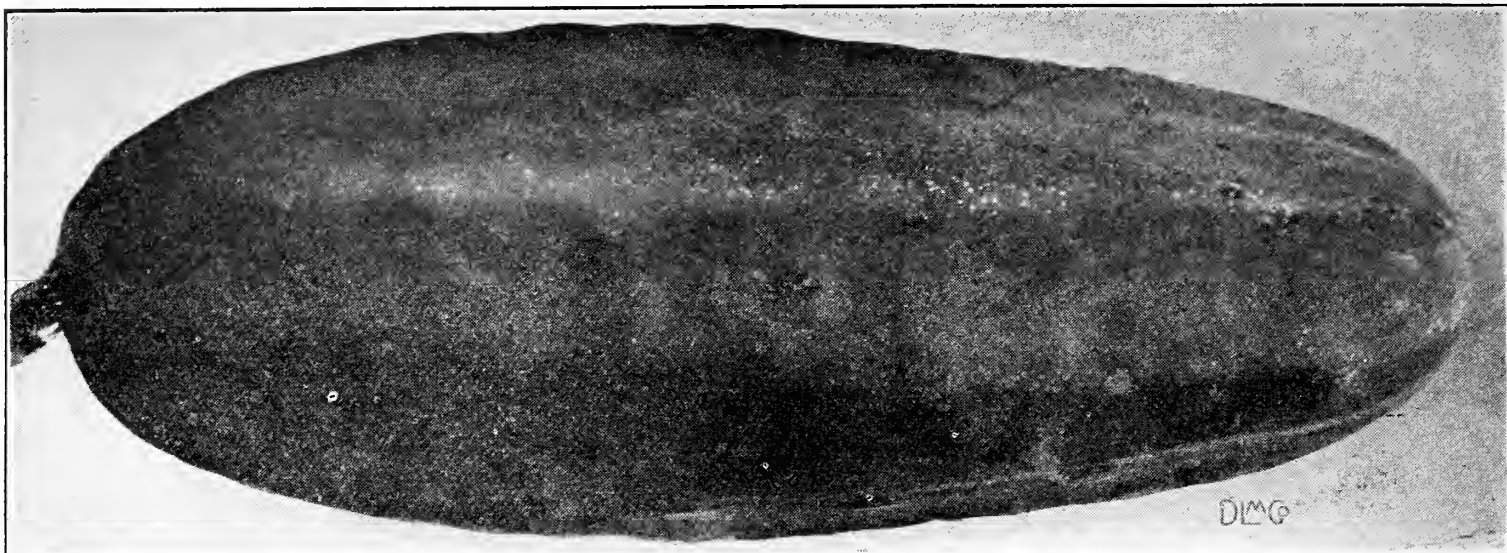
GOLDEN QUEEN. $\frac{1}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.

FIELD CORN

(See Page 25)



Country Gentleman Sweet Corn



New Davis Perfect Cucumber

CUCUMBER

German, Gurken; Italian, Cetriolo; Polish, Ogorek

1 oz. will plant 50 hills, 2 lbs. will plant an acre

Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about 4 feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil of each a shovelful of well-rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be plucked when large enough, whether required for use or not, as if left to ripen on vines, destroys its productiveness.

LONGFELLOW. A new, valuable sort. The fruit will average 12 to 14 in. long, 2 1/2 in. in diameter. Straight, very dark green uniform color. Very attractive market fruit; a good grower. A second early. Pkt. 10c., oz. 25c., 1/4 lb. 75c., lb. \$1.75.

EARLY FORTUNE. The finest type of White Spine yet produced. Early, very productive and disease-resistant fruits 9 to 10 in. long; color, dark green, which does not fade when shipped long distances. Pkt. 10c., oz. 15c., 1/4 lb. 40c., lb. \$1.25.

NEW DAVIS PERFECT. Resembles a hothouse Cucumber. Long, straight, dark green in color; almost seedless. Equally good for outdoors and hothouse growing. Pkt. 10c., oz. 15c., 1/4 lb. 40c., lb. \$1.25.

EARLY IMPROVED ARLINGTON WHITE SPINE. It is a week earlier than the Early Improved White, wonderfully prolific. It retains a beautiful green color longer than any other sort; size medium; an excellent slicing sort. Pkt. 10c., oz. 15c., 1/4 lb. 35c., lb. \$1.00.

FORDHOOK FAMOUS. Vines produce enormous crop, being of unusually vigorous growth, with large, thick, heavy leaves, which withstand the attacks of insects. Fruit perfectly smooth and very dark green and handsome. Fruits measure 10 to 12 in. long. They are always straight, never turn yellow, and are very solid. Pkt. 10c., oz. 15c., 1/4 lb. 40c., lb. \$1.25.

BOSTON PICKLING. It is largely used about Boston by market gardeners. A very productive kind, of superior quality. Pkt. 5c., oz. 15c., 1/4 lb. 35c., lb. \$1.00.

LONG GREEN or JERSEY PICKLE. A fine fruit of excellent quality, dark green, firm and crisp; very productive. Pkt. 5c., oz. 15c., 1/4 lb. 40c., lb. \$1.25.

LONG GREEN TURKEY. Late, dark green, excellent fruit, large and productive. Pkt. 5c., oz. 15c., 1/4 lb. 40c., lb. \$1.25.

CHIVES

German, Schnittlauch

A mild flavor of Onion kind. Very desirable greens for flavoring meats, soups, cottage cheese, etc. Sold in clumps. Each 10c., doz. \$1.00.

COLLARDS or SPROUTS

GEORGIA. This is a tall, loose-leaf, Cabbagelike plant, grows 2 to 3 ft. high, forming a cluster of tender modulated leaves at the top of its rather long stem; used as "greens" in the South and West. Sow and plant like Cabbage or Kale. Pkt. 10c., oz. 15c., 1/4 lb. 35c., lb. \$1.00.

CORN SALAD or FETTICUS

1 oz. will sow 125 ft. of row

A vegetable used as a salad and sold to a considerable extent in our markets. It is sown on the first opening of Spring in rows 1 foot apart, and is fit for use in six to eight weeks from time of sowing. If wanted to come in early Spring, it is sown in September, covered up with straw or hay as soon as cold weather sets in and is wintered over exactly as Spinach.

LARGE-LEAVED. Pkt. 10c., oz. 25c., 1/4 lb. 50c., lb. \$1.50.

CRESS, or PEPPER GRASS

1 oz. will sow 50 ft. of row

A well known, pungent salad. Requires to be sown thickly and covered very lightly at frequent intervals to keep up a succession as it soon runs to seed.

EXTRA CURLED. Very fine; may be cut two or three times. Pkt. 5c., oz. 15c., 1/4 lb. 35c., lb. \$1.00.

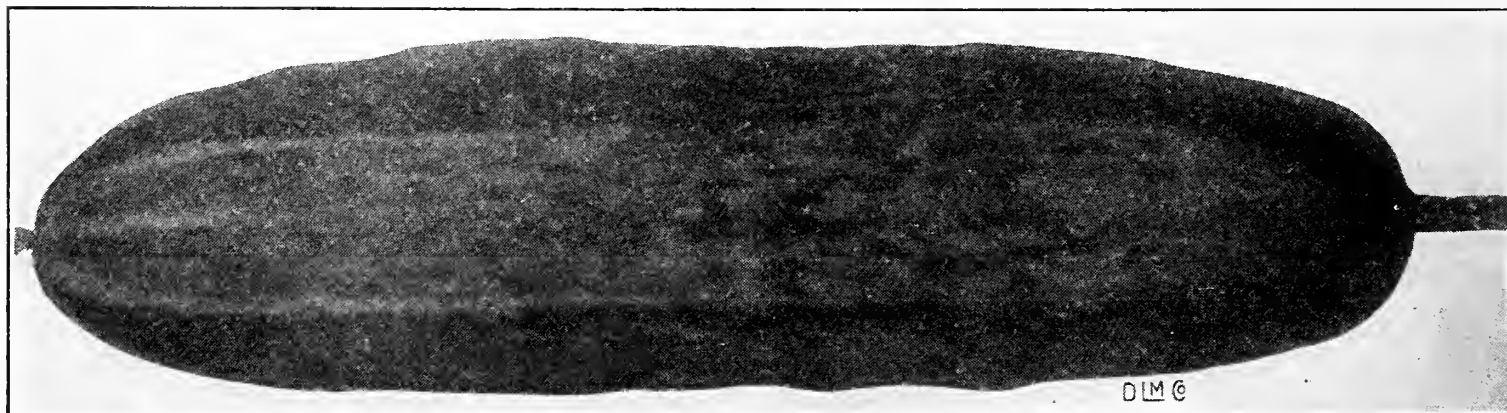
WATERCRESS. Pkt. 10c., oz. 50c., 1/4 lb. \$1.50, lb. \$4.50.

DANDELION

German, Lowenzahn; Italian, Denti di Leone; Polish, Papawa

1 oz. will sow 150-ft. row

IMPROVED THICK-LEAVED. A very early and healthful Spring salad. Sow early in the Spring, in drills, 18 in. apart and thin out to 6 in. in the drills. Pkt. 10c., oz. 65c., 1/4 lb. \$2.00, lb. \$7.50.



Longfellow Cucumber

DILL HERB

Used extensively for culinary use and for putting with Cucumber when pickling, producing the famous Dill pickles. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

EGGPLANT

German, Eierpflanze; Italian, Petronciano; Polish, Gruszka

1 oz. will produce about 1000 plants

The Eggplant will thrive well in any good garden soil but will repay good treatment. The seed should be sown in hotbeds the second week in March, care being taken to protect the young plants from cold at night. Plant out about June 1st, about $2\frac{1}{2}$ feet apart. If no hotbed is at hand, sufficient plants may be raised for a small garden by sowing a few seeds in common flower pots or boxes in the house.

IMPROVED NEW YORK SPINELESS. In every respect superior to the New York Improved. The habit of the plant is low and branching, and is quite free from spines both on the plant or calyx of the fruit, which are of the largest size and most perfect form. It is earlier than either of the old varieties, therefore most valuable to the grower of this delicious vegetable. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

EARLY BLACK BEAUTY. Earlier than any other sort. Fruit, jet black, holding its black color during its maturing season. Very productive with uniform size fruit. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.35, lb. \$4.50.

ENDIVE

German, Endivien; Italian, Endiva; Polish, Endywia

1 oz. will sow a 100-ft. row

Endive is one of the best salads for Fall and Winter use. Sow for an early supply about the middle of April. As it is used mostly in the Fall months, the main sowings are made in June and July, from which plantations are formed 1 foot apart in each way, in August and September. It requires no special soil or manure and after planting, is kept clear of weeds until the plant has obtained its full size, when the process of blanching begins. This is effected by gathering up the leaves and tying them by their tips in a conical form with bass matting. This excludes the light and air from the inner leaves, which in the course of from three to six weeks, according to the temperature at the time, become blanched. Another and simpler method consists in covering up the plants as they grow with slate or boards, which serves the same purpose—by excluding the light—as the tying-up.

GREEN CURLED. Very hardy, leaves dark green, tender and crisp. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

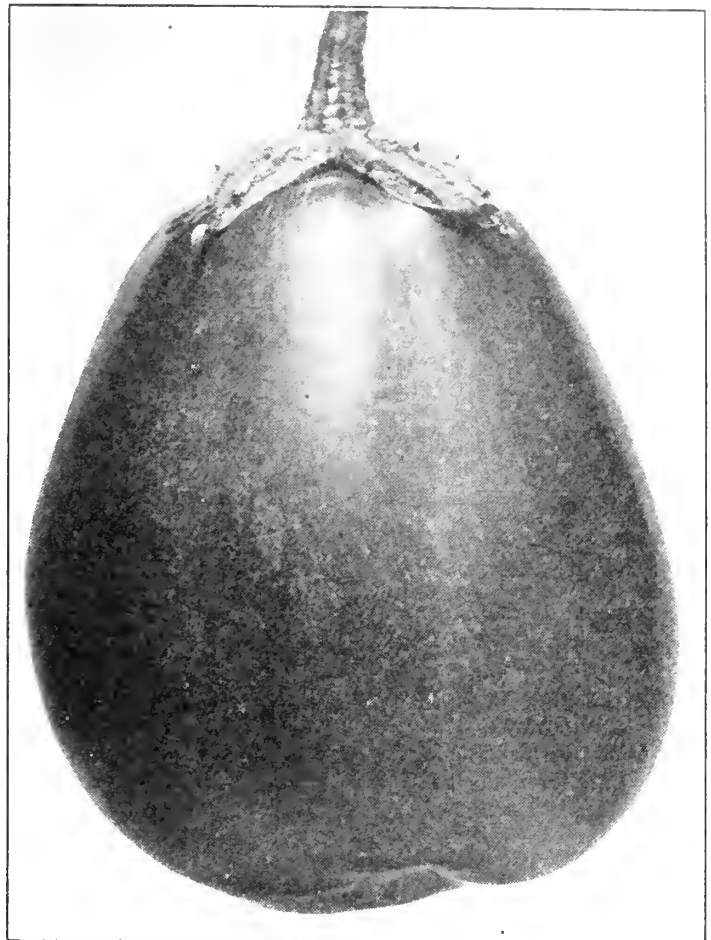
FRENCH MOSS CURLED. From the density of its foliage, this variety is heavier than the Green Curled, equally agreeable as a salad and either green or blanched is particularly handsome. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

BATAVIAN BROAD-LEAVED or ESCAROLLE. Leaves broad, light green, nearly plain, used in stews and soups. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

WHITE CURLED. Leaves pale green, grows to a large size; always crisp and very tender. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.



Green Curled Endive



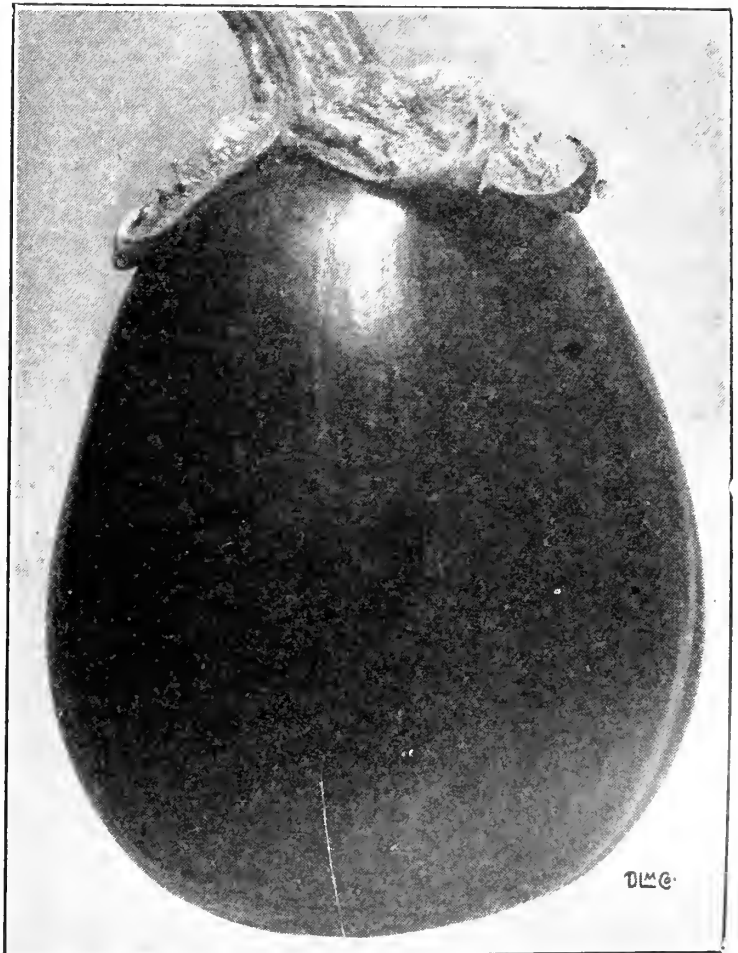
Improved New York Spineless Egg Plant

EGGPLANT (Pot Grown)

Ready May 1st

IMPROVED NEW YORK SPINELESS. In pots. Each 10c., doz. \$1.00, 100 \$7.00. Out of seed beds, doz. 35c., 100 \$1.75. Boxed plants, each 10c., doz. \$1.00.

Special prices on application, in quantities



Early Black Beauty Egg Plant

FLORENCE or SWEET FENNEL

Annual; height 2 feet; fine, feathery foliage. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

GARLIC

Used for flavoring soups, stews and other dishes. Garlic thrives best in a light, well-enriched soil. The sets should be planted in early Spring in rows 1 foot apart and from 1 to 5 inches between the plants in the rows. The crop matures in August when it is harvested like the Onion.

GARLIC SETS. Lb. 25c.

HERBS**(Sweet Pot and Medicinal Herbs)**

No garden is complete without a few herbs for culinary and medicinal purposes and care should be taken to harvest them properly. This should be done on a dry day, just before they come in full bloom, then dried quickly and packed closely, entirely excluded from the air. Sow in the Spring, in shallow drills, 1 foot apart, and when well up thin out or transplant to a proper distance apart.

ANISE (*Pimpinella Anisum*). Biennial. Pkt. 10c., oz. 15c., lb. \$1.50.

BASIL, SWEET (*Ocimum basilicum*). Annual. 6 ft. Pkt. 10c., oz. 25c., lb. \$2.00.

BORAGE (*Borago officinalis*). Excellent for bees. Annual; 3 ft. Pkt. 10c., oz. 20c., lb. \$1.25.

CARAWAY (*Carum carvi*). Perennial; 2 ft. Pkt. 10c., oz. 15c., lb. \$1.00.

CASTOR-OIL PLANT (*Ricinus communis*). Annual; 6 ft. Pkt. 10c., oz. 20c., lb. \$1.50.

CORIANDER (*Coriandrum sativum*). Annual; 2 ft. Pkt. 10c., oz. 15c., lb. \$1.00.

DILL (*Anethum graveolens*). Biennial; 3 ft. Pkt. 5c., oz. 15c., lb. 75c.

FENNEL (*Anethum foeniculum*). 6 ft. Pkt. 10c., oz. 25c., lb. \$2.00.

HOP SEED (*Humulus lupulus*). Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

HOREHOUND (*Marrubium vulgare*). Perennial; 2 ft. Pkt. 10c., oz. 35c.; lb. \$3.50.

LAVENDER (*Lavandula spica*). Perennial; 2 ft. Pkt. 10c., oz. 35c., lb. \$3.50.

MARJORAM, SWEET (*Origanum marjorana*). Annual; 1 ft. Pkt. 10c., oz. 35c., lb. \$3.50.

ROSEMARY (*Rosemarinus officinalis*). An aromatic herb. Pkt. 10c.

RUE (*Ruta graveolens*). Perennial; 3 ft. Pkt. 10c., oz. 35c.

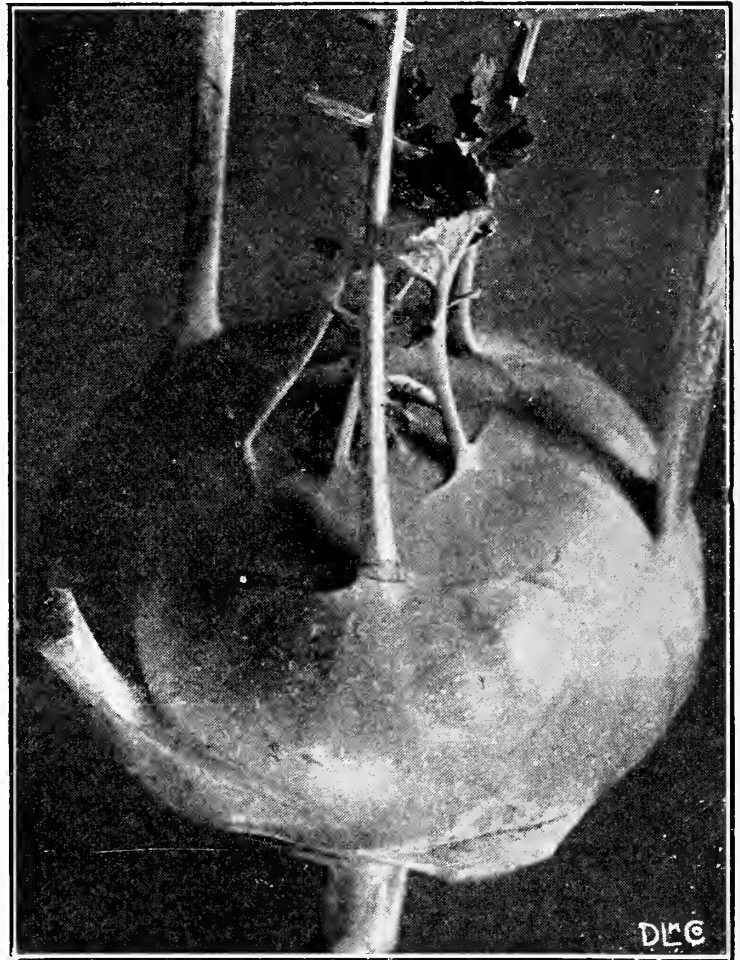
SAFFRON. Pkt. 10c., oz. 35c.

SAGE (*Salvia officinalis*). Annual; 1 ft. Pkt. 10c., oz. 35c., lb. \$2.50.

SUMMER SAVORY (*Satureia hortensis*). Annual, 1 ft. Pkt. 10c., oz. 25c., lb. \$2.50.

THYME, BROAD-LEAVED (*Thymus vulgaris*). Perennial, 1 ft. Pkt. 10c., oz. 50c., lb. \$6.00.

WORMWOOD (*Artemisia absinthium*). Perennial; Pkt. 10c., oz. 35c., lb. \$3.00.



Early White Vienna Kohl-Rabi

KALE or BORECOLE

German, Blatterkohl; Italian, Cavola Verde; Polish, Solanka

1 oz. will produce about 2000 plants

Kale or Borecole may be grown in almost any soil but the richer it is the more abundant the product. Sow from the middle of April to the beginning of May, in prepared beds, covering the seeds thinly and evenly; transplant in June and treat in the same manner as for Cabbage. Of all the Cabbage tribe, this is the most tender and delicate and would be much more extensively grown than it is if its excellent qualities were generally known. The varieties are all extremely hardy and are best when touched by frost.

GREEN CURLED SCOTCH. A rather dwarf variety, growing about 18 in. in height, but spreading under good cultivation to 3 ft. in diameter. Leaves of a bright green beautifully curved. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

DWARF GERMAN GREEN. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

SIBERIAN CURLED. This variety grows a little larger and coarser than the preceding. The leaves are not so deeply curled and are of a bluish green color. Very hardy. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

KOHL-RABI

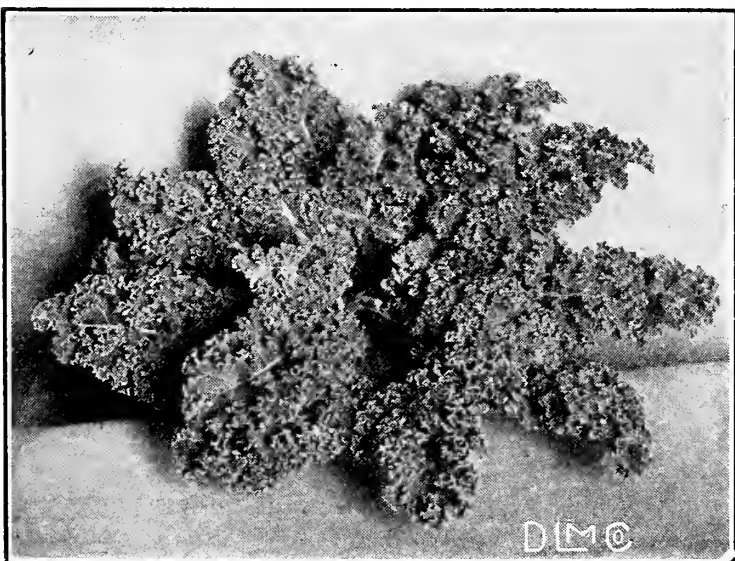
German, Knollkohl; Italian, Carolo Rapa; Polish, Kalarepa

1 oz. will produce about 2000 plants

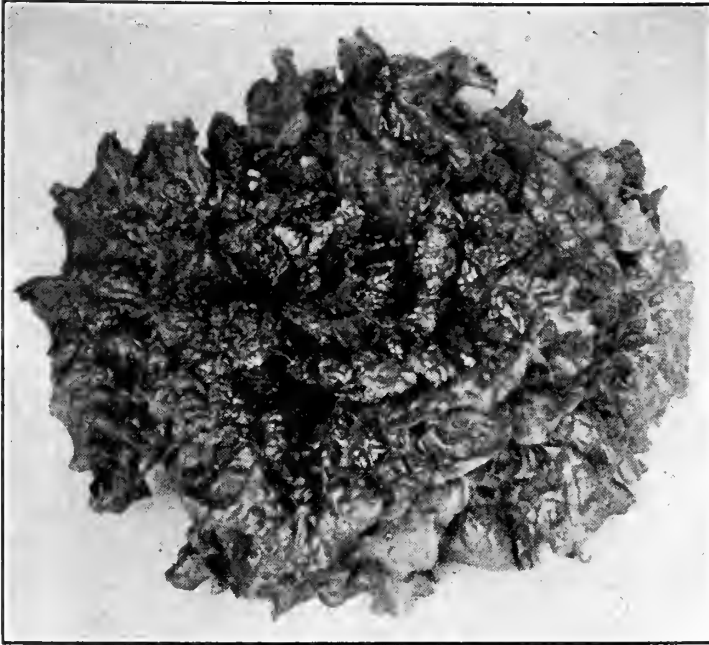
A vegetable intermediate between the Cabbage and the Turnip. It is best cultivated by sowing the seed in rows in April to July, according to the latitude. In this district we sow through May for succession, in rows 18 inches apart, thinning out to 8 inches between the plants. It is rather difficult to transplant, and it is generally preferable to sow the whole crop from the seed and thin out where it stands, although when the weather is favorable the thinning may be planted at the distance above named.

EARLY WHITE VIENNA. Flesh white and tender. The best market sort. Excellent for table use. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

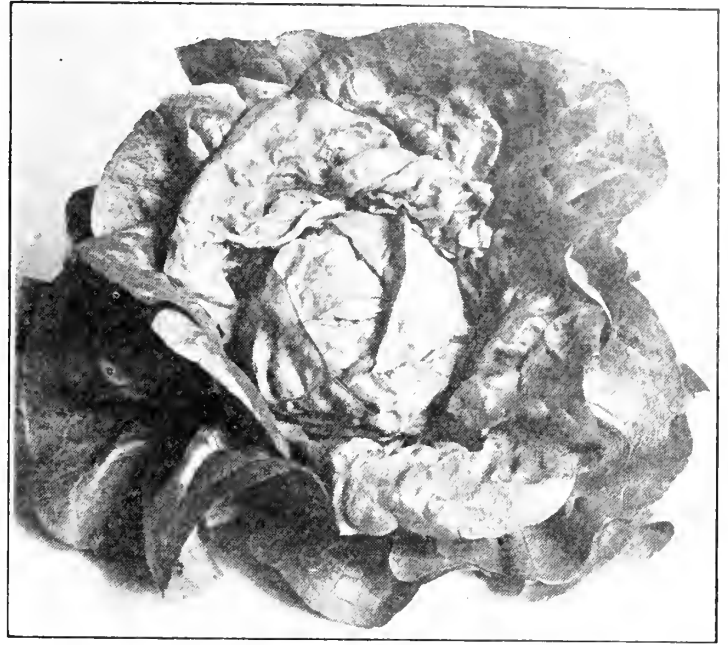
EARLY PURPLE VIENNA. Different from the above in color, which is of a bluish purple. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



Green Curled Scotch Kale



Early Curled Silesia Lettuce



New York or Wonderful Lettuce

LETTUCE

German, Salad; Italian, Lettuga; Polish, Salata. 1 oz. will sow about 100-ft. row

The cultivation of Lettuce is universal by all who have gardens and from its tractable nature and freedom from nearly all insects and disease, it is manageable in the hands of everyone. For main early crop, seed may be sown in the open ground, middle of September, and transplanted to coldframes as soon as large enough to handle, being wintered over in the same manner as early Cabbage, in dry, well sheltered spots, by covering up with leaves or litter late in the season. Lettuce plants may be saved over Winter without glass covering, in southern parts of the country without difficulty. The plants for setting out in the Spring are also sown in coldframes in February and in hotbeds in March, and by carefully covering up at nights, makes plants to set out in April; but these are never so good as those wintered over. For successive crops, sowings may be made in the open ground as early as Spring opens, until July.

MAY KING. An early, hardy Lettuce. One of the best varieties to plant in Fall for under glass or early Spring forcing. Heads large and solid, of light green color, close outer leaves; one of the best market sorts. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

BIG BOSTON. This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but it is double the size. It is about a week later in maturing, but its solidity and greater size of head will make it a most desirable sort, a most desirable variety either for forcing or open ground planting. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

EARLY CURLED SILESIA. This variety, properly speaking, does not head, but forms a compact, close mass of leaves. The earliest and leading market sort. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

SIMPSON, BLACK-SEEDED CURLED. Large, loose curly head, light color; a good Summer sort. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

GRAND RAPIDS CURLED. A famous shipping Lettuce. Loose, curly headed, foreign sort. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

LARGE NEW YORK or LOS ANGELES WONDERFUL.

It is of unusual size and solidity of head, mostly as solid as an early Summer Cabbage, which in general form it somewhat resembles. The variety blanches itself naturally, is crisp, tender and of excellent flavor, and always free from bitterness. It is not a forcing variety but is one of the best for Spring use ever introduced. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

ROMAINE or PARIS WHITE COS. Forms long, upright heads of narrow leaves, which are crisp and refreshing; withstands the Summer heat. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

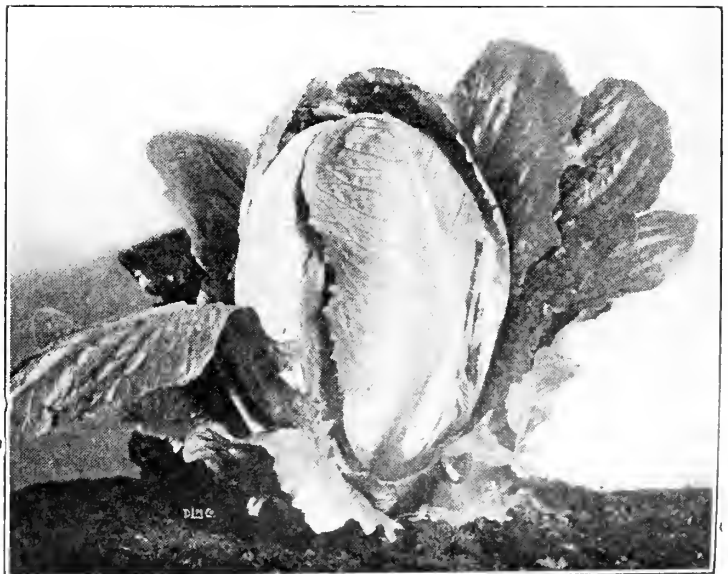
ICEBERG. A large, hard-heading curled variety, very crisp. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$1.50.

SALAMANDER. The Salamander is the best variety for Summer use, forming good-sized, compact heads. Color, light green outside and white on the inside. Its great merit, however, is that it will withstand drought and heat and remain longer in head than any other variety. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

WAYAHEAD. Quality very fine, heads firm, excellent for both coldframes and open ground. It is the surest header of all Lettuce. It will stand longer than any other Lettuce before going to seed. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



May King Lettuce



Romaine or Paris White Cos Lettuce

LEEK*German, Lauch; Italian, Porro; Polish, Pory*

1 oz. will sow a drill of about 100 ft.

The Leek is very hardy and easily cultivated. It succeeds best in light but well enriched soil. Sow as early in Spring as practicable, in drills 1 inch deep and 1 foot apart. When 6 to 8 inches high, they may be transplanted in rows 10 inches apart each way, as deep as possible, that the neck being covered, may be blanched. If fine Leeks are desired, the ground can hardly be made too rich.

LARGE AMERICAN FLAG. A favorite market variety. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

GIANT MUSSELBURG. A hardy sort. Leaves fan shape, dark green. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

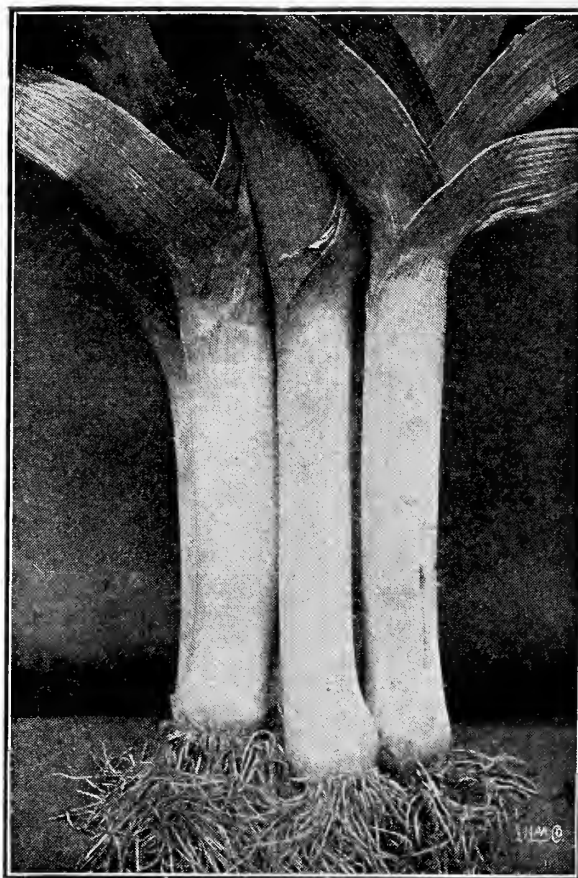
MANGEL-WURZEL or CATTLE BEETS(See under head of **BEETS**)**MUSHROOM SPAWN***German, Schwamm; Italian, Flingo Pralajo; Polish, Gryzb*

1 brick will spawn 10 sq. ft.

Mushrooms may be cultivated much easier than is generally supposed. They can be grown in a cellar or shed or in beds prepared in the open air same as hotbeds. Take fresh horse manure, shake it well apart and lay it in a heap to ferment, turn and mix it well every three or four days by shaking the outside of the heap, which is cold, and the inside, which is hot, together, so that every part of it may be equally fermented and deprived of its noxious qualities. When the dung is in a fit state to be made into a bed, which will be from two to three weeks after it has been put together to ferment, select a dry spot for a foundation, mark out the bed, which should be 4 feet wide and as long as you may choose to make it. In forming the bed mix the dung well together, beating it down with a fork until from 18 to 24 inches thick. In this state it may remain until the temperature is sufficiently moderate for spawning, which may be ascertained by trial sticks thrust in different parts of the bed.

Divide the large cakes of spawn into small lumps, plant them 2 inches below the surface and 6 inches apart, covering with 2 inches of fine, light soil, and press down evenly. When finished, cover the bed 3 inches thick with clean straw and protect from heavy rains. The Mushrooms will make their appearance in from four to six weeks, according to the season.

AMERICAN SPAWN. Pure culture. Brick, 35c.

**Giant Musselburg Leek****MUSKMELON***German, Zucker Melone; Italian, Popone; Polish, Melon*

1 oz. will plant about 75 hills, 2 lbs. will plant an acre

Melons thrive best in moderately enriched light soil. The hills should be 6 feet apart each way. Previous to planting, incorporate well with the soil in each hill a couple of shovelfuls of thoroughly rotted manure. Plant out fifteen seeds in each hill early in May and when well up, thin out to three or four of the most promising. Pinch off the leading shoots as the growth becomes so luxuriant, and if the fruit sets out numerously, thin out when young, which will increase the size of those remaining and cause them to ripen quicker.

HEART OF GOLD or HOODOO. Midseason; flesh thick, deep salmon color, of high quality, fruit medium sizes, round. Tendency to heart shape, gray netted, well ribbed. Oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

EXTRA EARLY KNIGHT or SUGAR SWEET. An extremely early medium size Melon of the Rocky Ford type, very sweet. Color, medium green, closely netted. It is the earliest high quality Melon grown in the northern states. Oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

FORDHOOK. Orange flesh roughly netted, the flesh very thick, resembles Jenny Lind in shape. Very strong, vigorous grower, branching frequently setting five to nine Melons close to hill. Oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

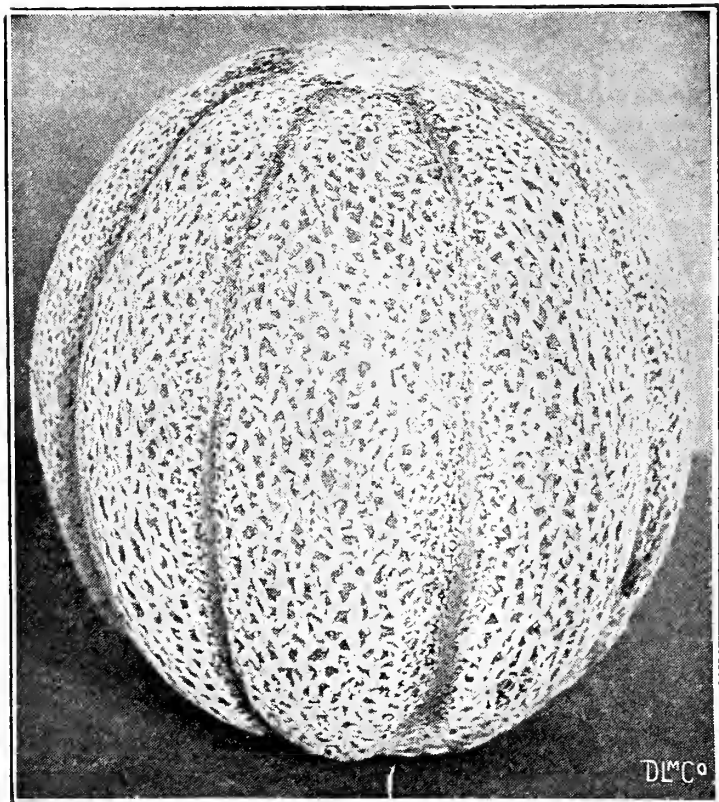
ROCKY FORD. Nutmeg shape, small to medium in size, pale green, finely netted, flesh green, quality very fine. Oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

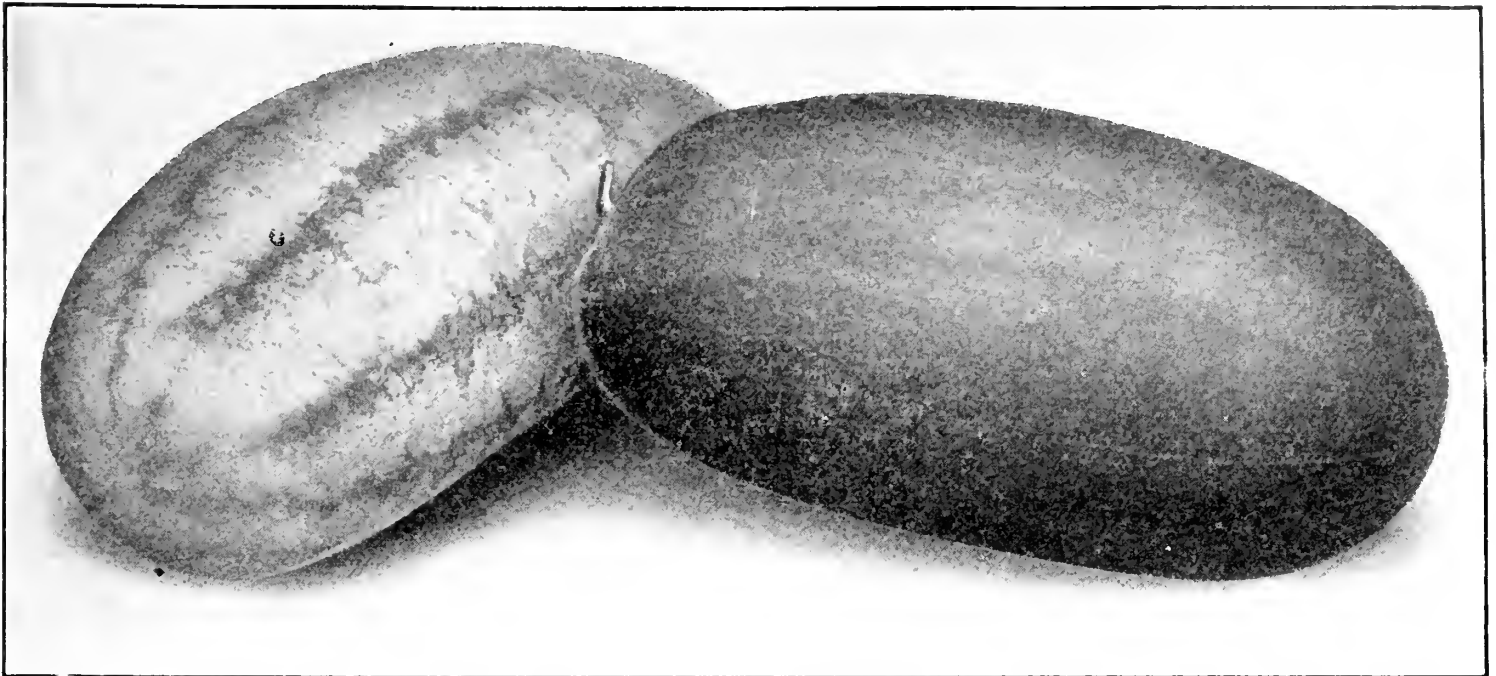
PAUL ROSE or OSAGE. This salmon fleshed Muskmelon surpasses anything yet introduced. The color is of a beautiful netted gray underlaid by dark green rind; the flavor is delicious; flesh, salmon, very thick and extraordinarily sweet, size of the Netted Gem. Oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

JENNY LIND. True. The earliest of the Muskmelon. Of small size, but the sweetest in flavor. Oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

EXTRA EARLY HACKENSACK. A week to ten days earlier than the old Hackensack. Small foliage. Profitable for market. Most in demand in New York and eastern markets. Oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

CITRON (Preserve). A round, handsome fruit of small size, used in making sweetmeats and preserves. Oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

**Rocky Ford Muskmelon**



Tom Watson and Kleckley's Sweet Watermelons

WATERMELONS

*German, Wasser-Melone; Italian, Melone d'Aqua;
Polish, Melon Wodny*

Cultivate exactly as for Muskmelon, except that the hills should be just double the distance apart, namely, 8 and 10 feet.

KLECKLEY'S SWEET. Most popular for home market. Medium size, oblong; dark green color; flesh, bright scarlet; solid heart; crisp, sugary and entirely free from stringiness. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

TOM WATSON. Large, oblong Melon, dark green skin, with thick netting; rind thin, tough; flesh, bright red; very sweet. Oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

DIXIE. Large, dark rind Melon, oblong; quality good, an excellent market sort. Oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

HALBERT HONEY. Shape oblong, dark green rind; flesh, crimson and very sweet. Medium early, similar to Kleckley Sweet, seed white. Oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

LONG LIGHT ICING or GRAY MONARCH. A very large, long, light rind Melon; flesh crimson. Oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

ICING, LIGHT GREEN RING. One of the sweetest of all Melons. Always of good flavor, rind very thin; unexcelled in all good qualities. Round in shape. Oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

SWEETHEART. One of the best market Melons. Flesh bright red, solid and very tender, melting and sweet. The Melons retain their good quality for a long time after ripening. Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

ICE CREAM. White seeded, true. Fruit of medium size, nearly round, skin pale green, rind very thin; flesh scarlet, solid, crisp and delicious. Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

MUSTARD

1 oz. will sow a 100-ft. row

A pungent salad, used sometimes with Cress. Sow thickly in rows and cut when about 2 inches high. For use during Winter it may be sown at intervals in boxes in the greenhouse or in a frame. For a crop of seed sow in April, in drills 1 foot apart, and thin out moderately when about 3 inches high.

OSTRICH PLUME. Leaves double curled, dark green which curve outward like a fine Ostrich Plume. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

WHITE LONDON. Best for salad. Oz. 5c., $\frac{1}{4}$ lb. 15c., lb. 50c.

BROWN or BLACK. More pungent in flavor than the white. Oz. 5c., $\frac{1}{4}$ lb. 15c., lb. 50c.

NASTURTIUM or INDIAN CRESS

1 oz. will sow 25-ft. row

The seeds, while young and succulent, are pickled and used as capers. The plants are also highly ornamental; the tall variety makes an excellent screen or covering for unsightly places in the garden.

TALL NASTURTIUM. Choice colors. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

DWARF NASTURTIUM. Choice colors. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

OKRA or GUMBO

German, Ocher; Italian, Ocra; Polish, Gumba

1 oz. will plant 50 hills or 75-ft. drill

This vegetable is extensively grown in the southern states. Its long pods when young are used in soups, stews, etc. and are believed to be very nutritious. It is of easiest culture and grows freely, bearing abundantly in any ordinary garden soil. It is sown at the usual time of all tender vegetables, in drills 2 inches deep, setting the plants from 2 to 3 feet apart.

IMPROVED DWARF GREEN. Early and productive. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

LONG GREEN. Long ribbed pods. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

PARSLEY

*German, Petersilie; Italian, Prezzemolo;
Polish, Pietruska*

1 oz. will sow 125-ft. row

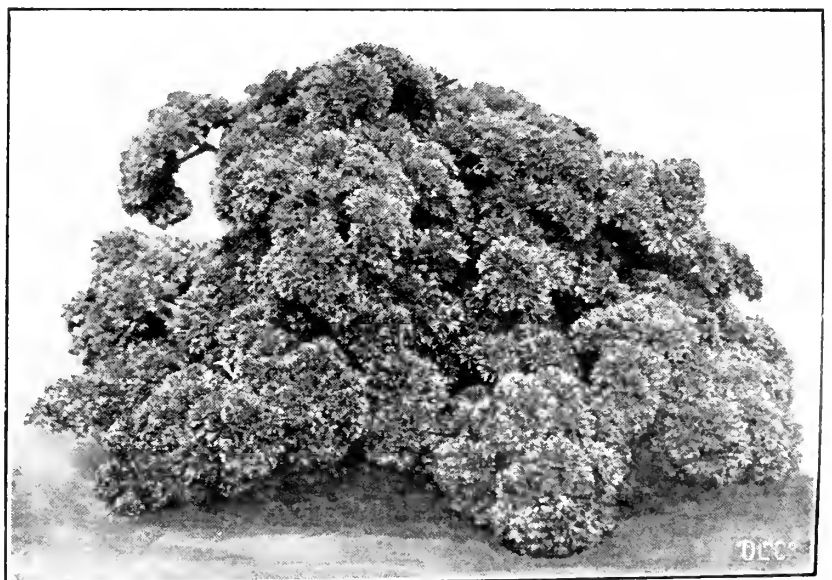
Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly, there are four weeks elapsing sometimes before it makes its appearance; it should be sown early in Spring, previously soaking the seeds a few hours in tepid water. Sow thickly in rows 1 foot apart and $\frac{1}{2}$ inch deep. For Winter use protect in a frame or light cellar.

CHAMPION MOSS CURLED. A very select stock beautifully crimped and curled. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

HAMBURG or TURNIP-ROOTED. The edible roots resemble a small Parsnip and it is esteemed for flavoring soups, stews, etc. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

DOUBLE CURLED. A fine dwarf variety, beautifully curled. Excellent for garnishing. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.

PLAIN PARSLEY. The leaves of this sort are plain; it is hardier than the curled variety; good for flavoring. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Champion Moss Curled Parsley

ONION

German, Zwiebel; Italian, Cipollo; Polish, Cebula

1 oz. will plant 50 hills or 75-ft. drill. 5 lbs. will sow an acre for growing large Onions; 50 to 60 lbs. per acre for growing sets

The Onion thrives best in a rather strong, deep, rich loamy soil and, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The ground should be deeply trenched and manured the previous Autumn and laid up in ridges during Winter to soften. As early in Spring as the ground is in working order, commence operations by leveling the ground with a rake and tread it firmly; sow thinly in drills about $\frac{1}{4}$ inch deep and 1 foot apart, cover with fine soil and press down with the back of a spade or a light roller.

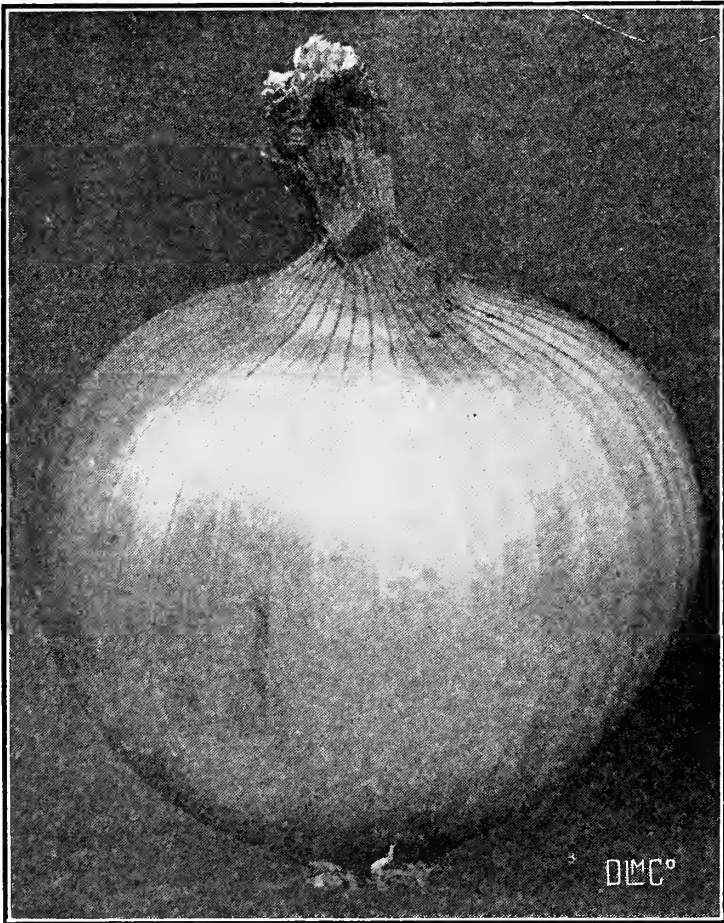
When the young plants are strong enough, thin gradually, so that they stand 3 or 4 inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply or to collect it about the growing bulbs.

AILS CRAIG. The largest of all straw yellow Onions. It is globe-shaped, slightly pointed at top and base. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

EXTRA EARLY RED. The earliest red Onion, fine keeper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

EARLY PRIZETAKER. This Onion grows uniform in shape, of a nearly perfect globe, with thin skin, of a clean, bright straw color. It is of immense size, measuring from 12 to 16 in. in circumference, while under special cultivation specimens have been raised to weigh from 4 to 6 lbs. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

SOUTHPORT WHITE GLOBE. A handsome globular Onion of mild flavor and a good keeper; one of the very best. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Southport Yellow Globe Onion

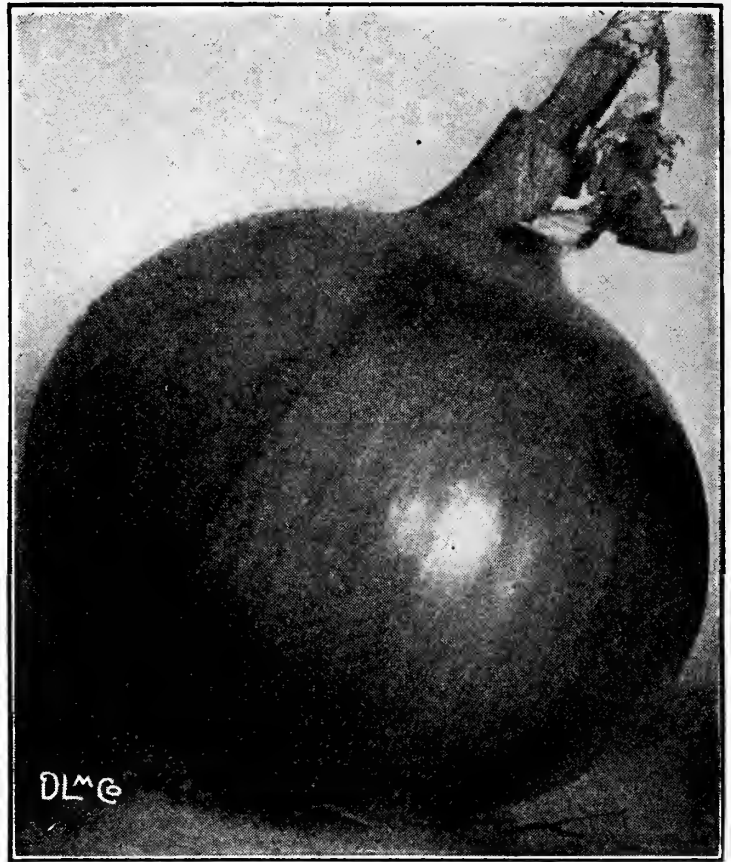
OHIO YELLOW GLOBE. Rich orange in color; large, globe shape, flat bottom. Large yielder; also good keeper. One of the best market sort. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

SOUTHPORT RED GLOBE. Differs from the Southport Yellow Globe only in color. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

JAPANESE or EBENEZER. Yellow Onion that will keep all Winter. Of mild, pleasant flavor, of large size; a good early set Onion. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

YELLOW GLOBE DANVERS. An excellent variety, fine flavored and very productive. Ripens early and is a good keeper. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

WHITE PORTUGAL or SILVER SKIN. A handsome Onion, of mild flavor and a good keeper. Extensively grown for pickling. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.



Early Prizetaker Onion

WEATHERSFIELD LARGE RED. The staple variety of the eastern Onion growers. Of large size, deep red in color, excellent keeper. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

SOUTHPORT YELLOW GLOBE. A favorite Yellow Globe variety in the market of New York and Boston. Solid and a good keeper. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

ONION SETS (Extra Fine)

Subject to Market Fluctuation

32 lbs. standard weight to a bushel of Onion Sets

YELLOW. Lb. 20c.; in 32-lb. lots, 16c. per lb.

RED. Lb. 25c., in 32-lb. lots, 18c. per lb.

WHITE. Lb. 25c.; in 32-lb. lots, 18c. per lb.

PARSNIPS

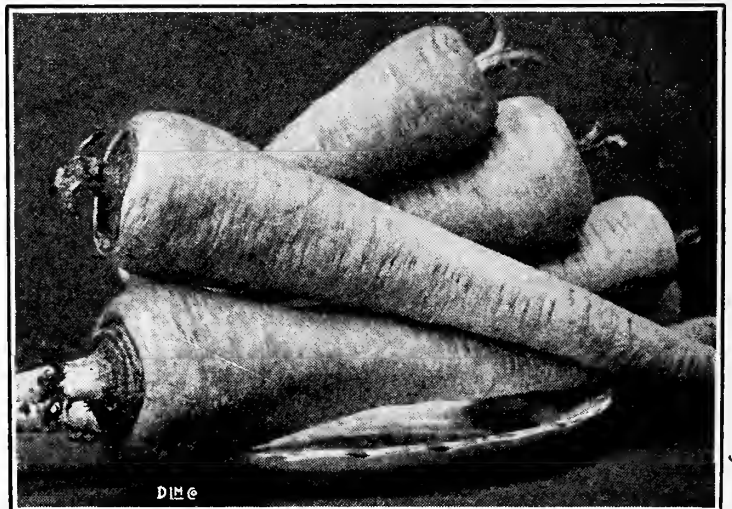
German, Pastinake; Italian, Pashtinca; Polish, Pasternak

1 oz. will sow 100-ft. drill; 5 lbs. will sow an acre

Sow as early in the Spring as the weather will admit, in drills 15 inches apart, covering $\frac{1}{2}$ inch deep. When well up, thin out to 5 or 6 inches apart in the rows. Unlike Carrots they are improved by frosts and it is usual to take up in the Fall a certain quantity for Winter use, leaving the rest in the ground until Spring, to be dug up as required.

LONG SMOOTH or HOLLOW CROWN. Best for general use. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 75c.

THE STUDENT. A fine-flavored variety. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 75c.



Hollow Crown Parsnip

PEAS

German, Erbsen; Italian, Pisello; Polish, Broch

60 lbs. to the bushel for Round Smooth sorts; 56 lbs. for the Wrinkled sorts

1 lb. will plant about 50-ft. row, 60 to 80 lbs. will plant an acre

Peas come earliest to maturity in light, rich soil. For general crops, a deep, rich loam or a strong inclination to clay is best. For early crops, decomposed leaves or leafmold should be used; or, if the soil is very poor, stronger manure may be employed. For general crops, a good dressing should be applied and for the dwarf growing kinds the soil can hardly be too rich. When grown as a market crop, Peas are never staked and are sown in single rows, 2 or 3 inches deep and from 3 to 4 feet apart, according to the variety or the strength of the soil. When grown in small quantities, for private use, they are generally sown in double rows, 6 or 8 inches apart and the tall varieties are staked up by the brush. For an early crop, sow in March, as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June, sowing should be discontinued until the middle of August when a good crop can sometimes be secured by sowing an early sort.

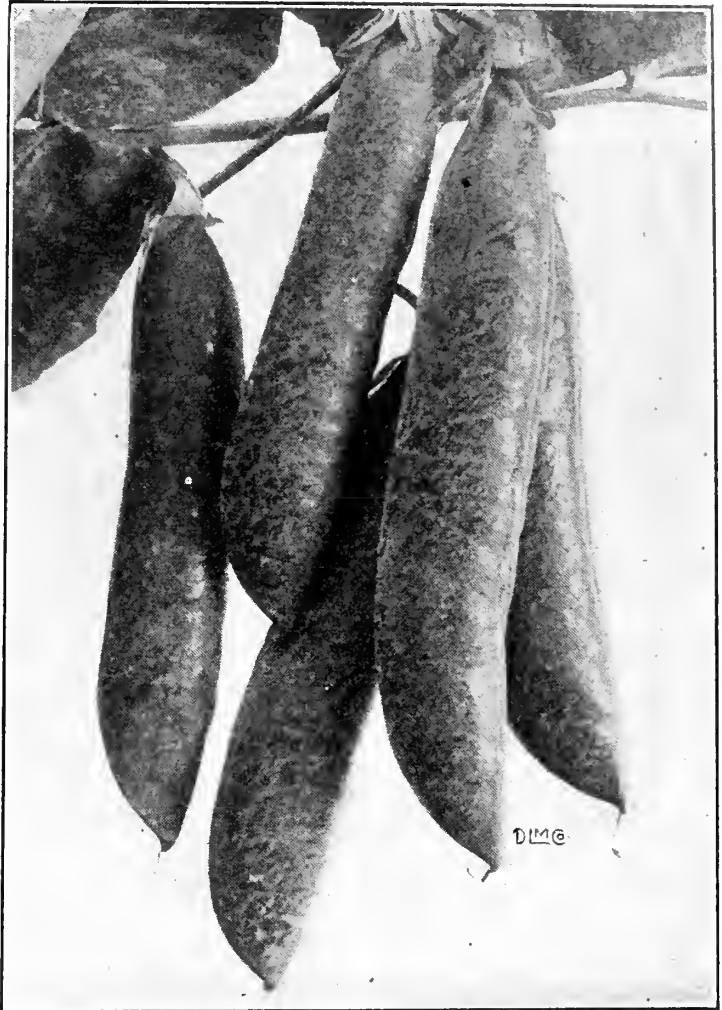
WORLD'S RECORD. An improved type of Gradus. Very productive. 2½ ft. high. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

EARLY ALASKA. A green-seeded extra early Pea. Very desirable. Green, smooth Pea. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$17.00.

PILOT. A large, nearly smooth Pea. Can be sown along with Alaska and early Peas. Will produce a pod as big as Gradus and from three days to a week earlier. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

EARLY NOTT'S EXCELSIOR. Extra early dwarf wrinkled Pea. Ready for table in 40 to 50 days from planting. It grows 16 in. high, about half as tall again as American Wonder. Its even, regular habit is a great advantage to the market gardeners. This variety has come to stay, owing to its superior advantages over all other sorts. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

EARLY GRADUS or PROSPERITY. A first early wrinkled Pea, very hardy, vigorous grower. 2½ ft. high. Pods very large and well filled, 6 to 8 large sweet peas in a pod. The great value of Gradus is in its earliness. It is in the market four days after the first early. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.



Early Gradus Peas

BLUE BANTAM. Extra early dwarf wrinkled Pea. Averages 15 in. high, bears enormous crops, pods deep bluish green, pods 4½ in. long, bear 8 to 10 peas. Pods twice the size of American Wonder and ready to pick at same time. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

LAXTON'S PROGRESS. New, of extra quality. Season same as Laxtonian. Vines 20 in. high, pods 4 in. long, dark green, containing eight large, delicious sweet peas. Superior to all other second early Peas for market gardener or private use as well. Try a few of this new introduction. ¼ lb. 10c., ½ lb. 15c., lb. 25c., in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

LAXTONIAN. Vines 18 to 20 in. high, produces an enormous crop of delicious peas just a little later than "Gradus." Vines are vigorous and can withstand adverse weather conditions easier than other varieties. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

EARLY THOMAS LAXTON. This fine early Pea was raised by crossing "Gradus" (Prosperity) with a very early seedling of the "Earliest of All" type. It is a wrinkled marrow with a good constitution. In earliness it is within a day or two of "Earliest of All," but pods contain on the average of seven to eight very large peas of the richest flavor. The height is from 3 to 3½ ft. As a first early we consider this is the finest early Pea ever introduced. ¼ lb. 10c., ½ lb. 15c., lb. 25c.; in 10-lb. lots, 20c. per lb.; in 100-lb. lots, 18c. per lb.

DUKE OF ALBANY. Late, remarkably hardy in growth, producing pods of large size, well filled with large peas of good quality, green, wrinkled. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

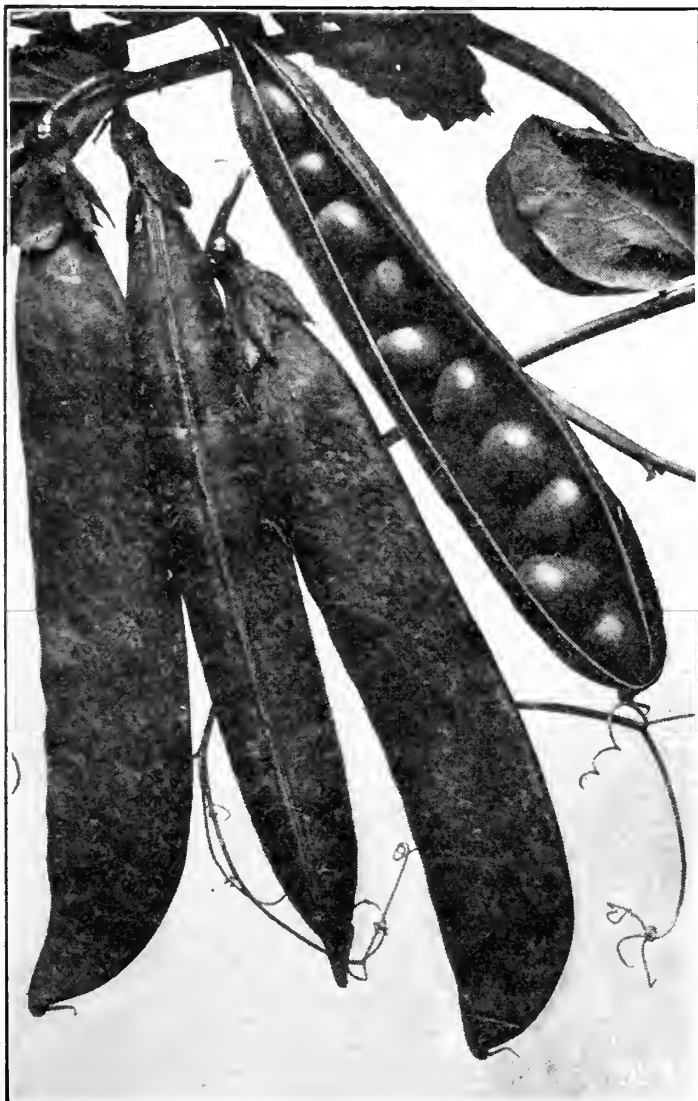
SUTTON'S PERFECTION. Immensely productive main crop Pea. Vine, 2½ ft. high; sturdy, deep green in color; pods, 4½ in. long, broad and pointed containing eight to nine very large, sweet and bright green peas; good market sort. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

TALL TELEPHONE. A very fine late wrinkled Pea. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

PRINCE EDWARD. This variety will produce pods attaining the extraordinary length of 7 in. and upward, closely packed with eleven to thirteen large, dark green peas of fine flavor. Plant of branching habit growing 6 ft. in height, dark green foliage; will withstand drought and mildew. Pods produced in great profusion, mostly in pairs. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

CARTER'S DAISY or DWARF TELEPHONE. Possesses the quality of Carter's Telephone, except it grows half the height. This makes it an exceptionally valuable market sort; green, wrinkled. ¼ lb. 10c., ½ lb. 15c., lb. 25c., 10 lbs. \$2.00, 100 lbs. \$18.00.

(Turn to page 26 for Field Peas)



Sutton's Perfection Peas

PEPPERS

German, Pfeffer; Italian, Peperone; Polish, Pierprz

1 oz. will produce 1200 plants

Grown largely for pickling. Sow in hotbed early in April and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows, 18 inches apart, between rows, 3 feet.

CALIFORNIA WONDER (New). Large size, thick flesh, crimson color. 4½x5 in. in size, mild and sweet. Pkt. 15c., oz. 50c., ¼ lb. \$2.00, lb. \$6.00.

WORLDBEATER (New). One of the very best of the large Peppers. Fruit 4 lobed, 5 in. long by 3½ in. in diameter; flesh very thick and mild, exceedingly productive and a good shipper. Pkt. 10c., oz. 40c., ¼ lb. \$1.25, lb. \$4.50.

PIMIENTO. Sweet variety, uniformly shaped. Green fruit, changing to red when ripe. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

NEAPOLITAN SWEET ITALIAN. Something extra fine. Large fruit, red color; sweet. Ripens earlier than Ruby King. Good cropper. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

CHINESE GIANT. The largest Pepper known. Its mammoth size, splendid shape, beautiful rich, glossy flesh, mild flavor and enormous productiveness commend it as one of the best market varieties ever introduced. Pkt. 15c., oz. 50c., ¼ lb. \$2.00, lb. \$6.00.

RUBY KING. An exceedingly large and handsome Pepper; the fruits are of a bright ruby red. From 4½ to 6 in. long by 3¼ to 4 in. in diameter, which makes it one of the largest of Peppers. The flavor is remarkably mild and it can be sliced and eaten with pepper and vinegar like Tomatoes and Cucumbers, or it can be used as a salad. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

HOT BULL NOSE. An early variety, of sharp flavor rind thick and fleshy; color, brilliant red; shape, oblong. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

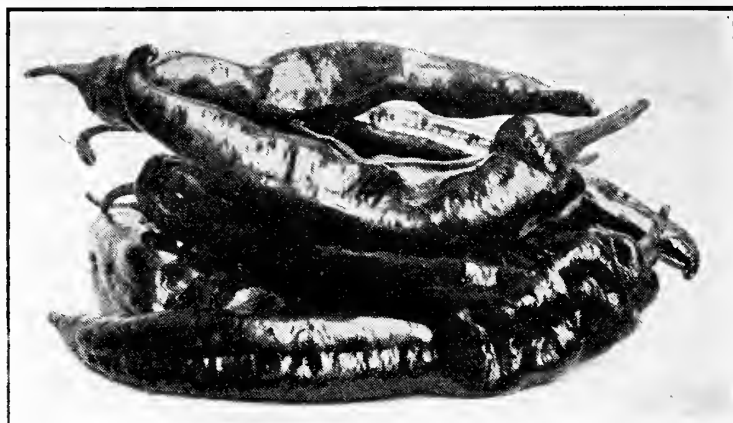
SWEET GOLDEN DAWN. Sweet, mild yellow Pepper, shaped like Bull Nose. Pkt. 15c., oz. 50c., ¼ lb. \$1.75.

HUNGARIAN WAX or RAINBOW. Pkt. 15c., oz. 50c., ¼ lb. \$1.75.

SWEET MOUNTAIN or MAMMOTH. Similar to the Bull Nose in shape and color, but larger and milder in flavor. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

LONG RED CAYENNE. Fruit brilliant coral red; conical; from 3 to 4 in. in length; very productive. Pkt. 10c., oz. 40c., ¼ lb. \$1.00, lb. \$3.50.

RUBY GIANT. A variety which is of a desirable size and shape for stuffing. A cross of Ruby King and Chinese Giant; grows to large size and is very mild. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.



Long Red Cayenne Pepper

PEPPER PLANTS

Ready May 1st

Prices subject to fluctuation

RUBY KING, MOUNTAIN SWEET, PIMIENTO and CAYENNE. Out of seed bed. Doz. 10c., 100 75c. Transplanted plants. Doz. 25c., 100 \$1.50.

POTATO

8 to 12 bushels will plant an acre, according to the kind of machine used, also distances planted

The Potato, like all robust-growing vegetables, can be grown with varying success on soils of all kinds and in all conditions of fertility, but the soil best suited to it is a sandy loam. In all heavy soils it is more subject to a disease and the flavor is much inferior. In breaking up good pasture land, the decaying sods answer sufficiently well for the first year in lieu of manure. Manure is applied either in rows or hills, or broadcast over the ground and plowed in—the latter in most cases being preferable. If the soil is good, but little manure is required. In highly enriched soil the plants are more liable to disease than when grown in soil that is naturally good. The best fertilizers are those of a dry or absorbent nature. Plant as early in Spring as the ground can be had in fair working order, in hills or ridges about 3 feet apart, covering in light, warm soil, about 4 inches deep, but in cold, wet situations, 2 or 3 inches will be sufficient.

Prices subject to variation

60 lbs. to a bushel

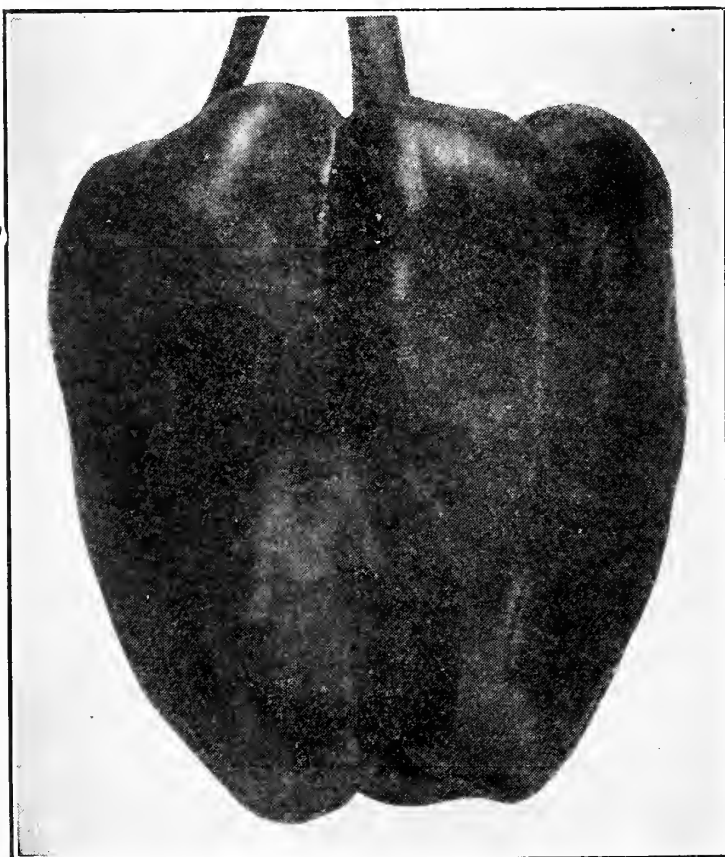
Treat seed with Semesan Bel before planting

Special prices given on large quantities

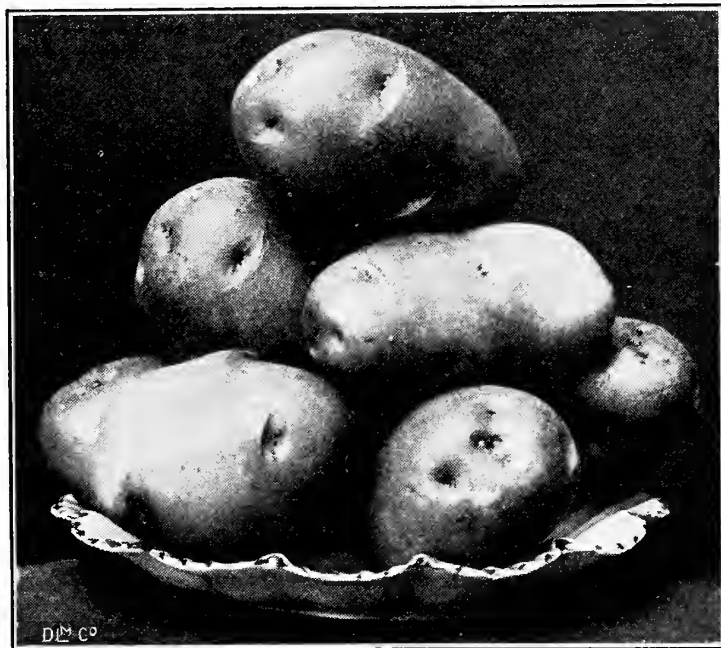
We handle Prince Edward Island Certified Seed Potatoes only. Seed stock grown in Prince Edward Island is far superior to that grown elsewhere.

IRISH COBBLER. Early, round, chunky, 85-day sort. Quality of the finest; popular for home market. Peck 85c., bus. \$3.00, sack of 150 lbs. \$6.50.

GREEN MOUNTAIN. Shape oval, white skin, big cropper and splendid cooker. Peck 85c., bus. \$3.00, 150-lb. sack \$6.50.



Ruby King Pepper



Irish Cobbler Potato

PUMPKIN

German, Kurbiss; Italian, Zucca; Polish, Bania

1 lb. will plant 250 hills

Pumpkins are now principally cultivated for agricultural purposes. They are usually planted in fields of Corn or Potatoes, but may be profitably raised in fields by themselves. Sow first in May, in hills 8 feet apart.

LARGE CHEESE. The best variety for cooking or pie purposes. Oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

CONNECTICUT FIELD. Very productive, largely grown for feeding stock. Oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 60c.

KING OF THE MAMMOTH. Grows to immense size, often weighing over 100 lbs. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

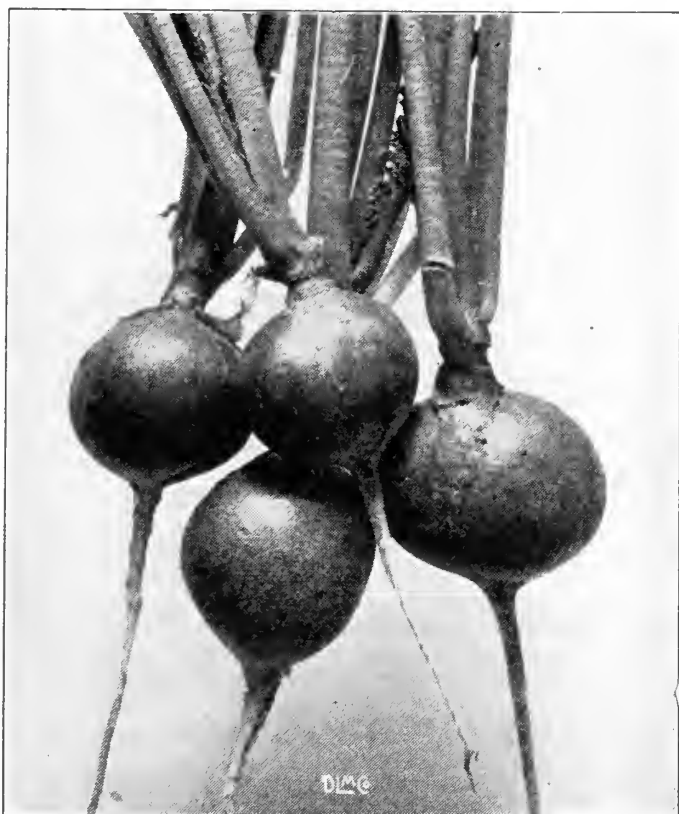
WINTER LUXURY. It grows uniformly to a diameter of 10 to 12 inches and is enormously productive. It is a beautiful golden yellow, finely and closely netted, like a netted Muskmelon. As a Winter keeper and cooking variety it stands unexcelled and is one of the very best for either home use or market. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

CUSHAW CROOKNECK. A good all-around Pumpkin. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

SWEET POTATO TENNESSEE. Buff yellow skin, medium size oblong fruit. Flavor resembles mashed sweet Potatoes. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.



Large Cheese Pumpkin



The Earliest or Saxa Radish

RADISH

German, Radies; Italian, Ravanello; Polish, Rzodkiew

1 oz. will sow 100 ft. of drill

Radishes thrive best in a light rich, sandy loam. For a successive crop supply, sow from the middle of March until September at intervals of two or three weeks. For an early supply they may be sown in a gentle hotbed in February.

THE EARLIEST or SAXA. Excellent for forcing. Matures in 17 days. Color red. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

EARLY SCARLET GLOBE. An excellent forcer. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

EARLY SCARLET WHITE TIP. So rapid in growth as to develop in 20 days. Grows round and very symmetrical and uniform in shape; color a bright scarlet, white tip. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

CRIMSON GIANT TURNIP. Will grow to an unusually large size. It is always tender, crisp and of mild flavor. It remains in perfect condition for a long time. Color, a beautiful crimson. It will force well, but is especially adapted for outdoor growing. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 90c.

CHARTIER or LONG ROSE. Decidedly distinct in appearance from any Radish in cultivation. The color at the top is crimson, running into pink about the middle and from thence downward it is pure waxy white. It will attain a very large size before it becomes unfit for table. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 90c.

EARLY LONG WHITE ICICLE. The flavor of this new sort is very mild, and it is invaluable for slicing. The top is short; flesh very crisp and tender; very attractive when bunched. It matures in 40 days from time of sowing the seed and remains in prime condition for eating for fully two weeks. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 75c.

EARLY LONG SCARLET SHORT TOP. The standard variety for market and private gardens. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

EARLY SCARLET TURNIP. Very delicate in flavor; one of the best early sorts. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 75c.

FRENCH BREAKFAST. A variety of quick growth; very mild and tender. Pkt. 10c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

STRASBURG WHITE. Suitable for market and private gardens. It is of the tapering shape, both skin and flesh white. It is an excellent Summer variety, being tender and crisp and of fine flavor and a quick grower. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 90c.

ROSE CHINA WINTER. Bright rose color; flesh firm and piquant. Excellent for Winter use. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

WHITE SUMMER TURNIP. Large white, excellent for Summer use; very good market sort. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. 75c.

BLACK SPANISH, LONG. One of the hardiest and best for Winter use. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

WHITE SPANISH. Rather milder in flavor than the preceding. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

BLACK SPANISH ROUND. Good keeper. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

HORSERADISH

50c. a dozen roots

RHUBARB

MYATT'S VICTORIA. Cherry red in color, stalks immense, cook splendidly, are not stringy. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

SALSIFY or OYSTER PLANTS

German, Haferwurz; Italian, Sassefrica; Polish, Jarzy Ostnyga

1 oz. will sow 50 ft. of drill

The Oysterplant succeeds best in light, well-enriched, mellow soil which, previous to sowing the seed, should be stirred to a depth of 18 inches. Sow early in the Spring in drills 15 inches apart; cover the seed with fine soil 1 $\frac{1}{2}$ inches in depth and when the plants are strong enough thin out to 6 inches apart.

Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.20

SORREL

LARGE-LEAVED. Has large leaves, can be cut five or six times, perfectly hardy. Leaves light green, quality very fine and not as broad as Spinach leaves. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.00.



Genuine Bloomsdale Savoy Spinach

SPINACH

German, Spinat; Italian, Spinace; Polish, Szpinak

Notice—Owing to market conditions, all prices on Spinach are subject to change without notice

1 oz. will sow 75 ft. of drill; 15 lbs. will sow an acre

This is a very important crop in our market gardens, it is one of the most easily managed of all vegetables, requiring but little culture and may be had fit for use one entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during the Winter, which prevents it from being cut with the frost but in sheltered fields here there is no necessity for covering. For Summer use it may be sown at intervals of two or three weeks, from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

PRINCESS JULIANA. Leaves large, dark green, crumpled plant rather upright growth, will stand for a long time without bolting to seed; good second early. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 35c., 5 lbs. for \$1.50.

KING OF DENMARK. Leaves are large, round, somewhat crinkly and deep green. Plants grow quickly and vigorously, but will not shoot to seed as quickly as all other sorts. Oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 40c., 5 lbs. for \$1.75.

BLOOMSDALE SAVOY GENUINE. The best market sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c., 10 lbs. \$3.00, 25 lbs. \$6.25.

NORFOLK SAVOY-LEAVED. The leaves are numerous, succulent, curled and wrinkled like a Savoy Cabbage. It produces nearly twice the weight or crop as the ordinary sorts and is also the hardiest of all the varieties of Spinach. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c., 10-lb. lots \$3.00, 25-lb. lots \$6.25.

VICTORIA. Leaves extra dark, black green color. One of the best Winter sorts. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

NEW ZEALAND. This variety endures heat and is the best for Summer growing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

LONG STANDING or ALL SEASON. Leaves large, thick and crumpled, with a fleshy appearance, hardy, and one of the best varieties for Autumn and Spring sowing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c., 10-lb. lots \$2.80, 25-lb. lots \$6.25.

SQUASH

German, Fisch-Kurbiss; Italian, Zucca; Polish, Miekurz

Among Early Bush sorts, 1 oz. of seed will plant 25 hills; 1 oz. of Trailing varieties, 10 hills; 3 to 4 lbs. to an acre

Squashes are of luxuriant and vigorous growth and although they will grow readily on almost any soil, they will well repay generous treatment. Like all vegetables of this class, it is useless to sow until the weather has become settled and warm. Light soils are best suited for their growth and it is most economical of manure to prepare hills for the seeds in ordinary manner by incorporating two or three shovelfuls of well rotted manure with the soil for each hill. For the bush varieties, from 3 to 4 feet each way and for the running sorts, from 6 to 8 feet. Eight to ten seeds should be sown to each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants.

CHICAGO WARTED HUBBARD. Fruit larger and more heavily warted than the regular Hubbard. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

BOSTON MARROW. A much-esteemed variety coming about ten days later than the bush sorts; a good keeper, and of unsurpassed flavor. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

GOLDEN CUSTARD. It is yellow in color and excellent fine flavor; grows to good size and of a very fine quality; very productive and of a bushy nature. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

ITALIAN VEGETABLE MARROW. Long greenish white variety, very sweet and tender; fine for cooking. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

WHITE BUSH SCALLOPED. An early market variety; excellent for shipping. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

HUBBARD. A general favorite and more largely grown as a late sort than any other; of large size, flesh fine grained, dry and of excellent flavor. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

BUSH SUMMER STRAIGHT-NECK. Same color and quality as Yellow Summer Crookneck. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.00.

BUSH SUMMER CROOKNECK. Early productive and of good quality; fruit orange yellow, covered with warty excrescences. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

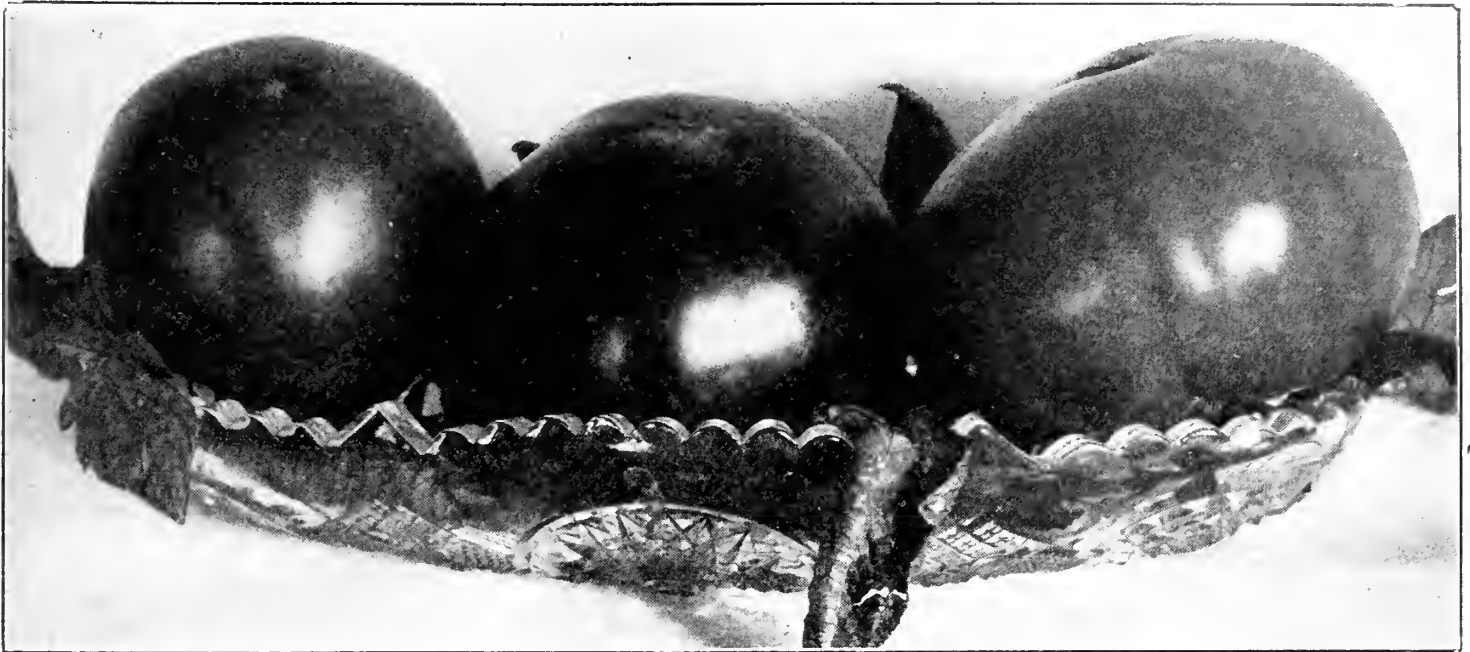
SWISS CHARD—Turn to page 6

TOBACCO SEED

IMPORTED HAVANA. Pkt. 10c., oz. 40c., lb. \$3.50.



Group of Squashes



Certified Marglobe Tomato

TOMATO

German, Liebesapfel; Italian, Pomodoro; Polish, Pomidor

1 oz. will produce about 1200 plants

This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first of March in drills 5 inches apart and $\frac{1}{2}$ inch deep. When the plants are about 2 inches high they should be set out 2 to 3 inches apart in another hotbed, or removed into small pots, allowing a single plant to a pot. They are sometimes transplanted a second time into larger pots, by which process the plants are rendered more sturdy and branching. About the middle of May the plants may be set in the open ground. They are planted for early crops on light, sandy soil at a distance of 3 feet apart in hills in which a good shovelful of rotted manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted 4 feet apart. Water freely at the time of transplanting and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot and placing it in a sunny window of the room or kitchen.

SPARKS' EARLIANA IMPROVED. The earliest smooth Red Tomato of good size and flavor now in cultivation. It is a very compact grower and consequently can be planted one-third closer than any other early sort. If you grow early Tomatoes don't miss planting it. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. 90c., lb. \$3.50.

EARLIANA D. M. LARGE TYPE IMPROVED. Fruit one-third larger than the Sparks' Earliana, very productive and ripens about the same time. It has merit for the market gardener and is worth trying. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

MARGLOBE. This great new Tomato introduced by the U. S. Dept. of Agriculture, through the efforts of Dr. Fred J. Pritchard of the Bureau of Plant Industry. It is a good grower, producing large quantity of perfect fruit of globular shape of a scarlet color. Ripening up to the stem. Very fleshy, of a high quality and of good average size. Second early. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

CERTIFIED MARGLOBE. Pkt. 15c., oz. 60c., $\frac{1}{4}$ lb. \$2.00, lb. \$5.00.

CERTIFIED BONNY BEST. Pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$4.50.

CERTIFIED GREATER BALTIMORE. Pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

BONNY BEST. An extra early bright red Tomato; smooth, large and productive. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

GREATER BALTIMORE. This variety is one of the largest and most perfectly shaped varieties in cultivation. Ripens evenly and early and holds its size to the end of the season. It is very prolific, has few seeds, solid flesh, a good canning variety and bears shipping long distances. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

JOHN BAER. Early, the first Tomato to fruit in the garden. Plants dwarf, fruit of medium size, red and very uniform. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25.

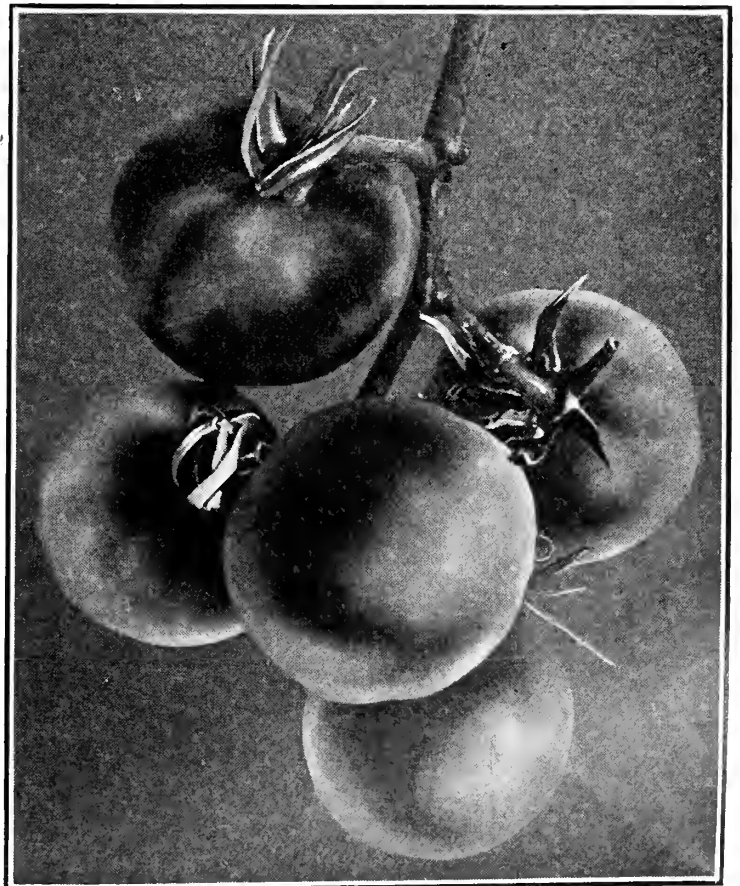
PONDEROSA. The largest Tomato in cultivation, very solid and fine cropper. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.50.

MATCHLESS. Large red fruit, general crop variety; good yielder. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

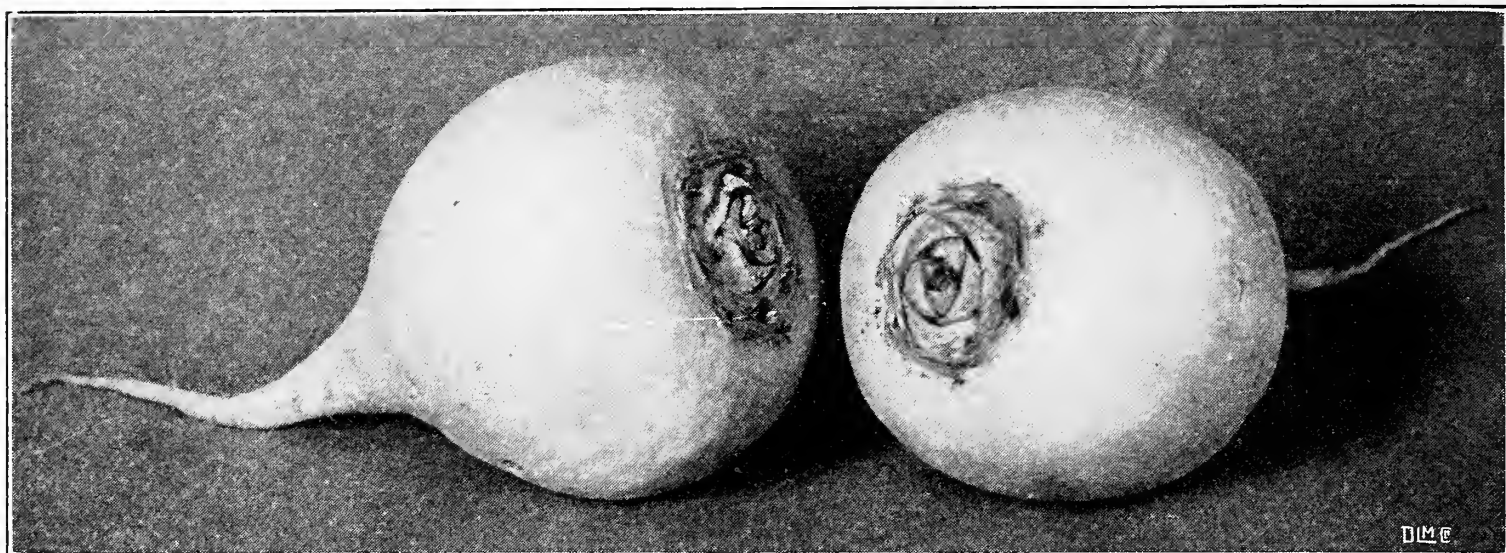
STONE (Selected Strain). Very large, perfectly smooth bright scarlet, solid; very productive, valuable for market gardeners and canners. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

YELLOW PLUM. A beautiful variety. Used principally for pickling. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

RED CHERRY. A small, early variety; size and shape of cherry. For pickling. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.



Spark's Improved Earliana Tomato



White Egg Turnips

TOMATO PLANTS

Ready May 1st

EARLY EARLIANA, BONNY BEST, MARGLOBE and STONE TRANSPLANTING PLANTS. Doz., 15c. to 35c., 100 \$1.25 to \$1.50, 1000 \$10.00 to \$15.00, according to stockiness of plants; doz. 75c., grown in 3 in. pots; in boxes, each 10c., doz. \$1.00.

LATESTONE, GREATER BALTIMORE and MARGLOBE. Field grown, \$3.50 per 1000. **Extra Strong Grown Transplanting Plants.** In flats. Special prices.

TURNIP

German, Weisse Rube; Italian, Navone; Polish, Rzepa Brukiew

1 oz. will sow 125 ft. of drill, 1½ to 2 lbs. will sow one acre

Turnips do best on highly enriched light, sandy or gravelly soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart and thin out early to 6 or 9 inches in the rows. For a succession, sow at intervals of a fortnight until the last week in July, from which time until the end of August sowings may be made for the Fall and main crops. Turnips may be preserved until Spring by cutting off the tops about 1 inch from the bulbs and storing in a cellar or cool shed during Winter, covering the roots with dry sand; they should be harvested before severe frosts set in, for, though comparatively very hardy, few of the varieties will survive the Winter of the northern states in the open ground.

WHITE EGG. Flesh very thin and fine grained, thin and perfectly smooth skin and both flesh and skin are of snowy whiteness. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

YELLOW GLOBE. One of the best American varieties for general crop. Flesh very firm and sweet and keeps well until late in Spring. Grows to a large size and is excellent both for stock and table use. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 70c.

EARLY FLAT DUTCH. An excellent variety, resembling White Strap Leaf. The best variety for Spring sowing. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

EARLY SNOWBALL. A medium sized, round, pure white variety of excellent flavor. For early sowing this is one of the best, being crisp, tender and sweet. Maturing in about six weeks from time of sowing. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 75c.

RED TOP STRAP LEAF. Rapid grower and mild flavor; the popular variety for early use, either for the table or stock. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

PURPLE TOP WHITE GLOBE. An early variety, globe-shaped; in other respects similar to the Red Top Strap Leaf. A handsome looking bulb and is rapidly taking the lead of all other varieties of early Turnip for market garden purposes. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.

GOLDEN BALL, ROBERTSON'S. Rapid grower, excellent flavor, globe-shaped and of a beautiful bright yellow color; a good keeper and has no superior for table use. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 60c.



Improved American Rutabaga

RUTABAGA

(Russian or Swedish Turnip)

The Rutabaga, Russian or Swedish Turnip, are extensively grown for a farm crop. The roots are close grained, very hard, and will endure a considerable degree of cold without injury. The roots are best preserved in a pit or cellar during the Winter and are excellent for the table early in Spring. Sow from 20th of June to the middle of July, in drills 3 feet apart and thin out to 8 inches.

IMPROVED AMERICAN (PURPLE TOP). The leading variety, very hardy and productive. Flesh yellow, solid, sweet and finely flavored. Equally good for stock or table use. The principal variety raised by market gardeners. Pkt. 5c., oz. 10c., ¼ lb. 20c., lb. 65c.



Winter Rye

Oats

Hairy Vetch

Soja Bean

FARM, FIELD AND BIRD SEED

Prices Subject to Market Fluctuations. Special Prices on Large Quantities.

If there is anything you specially want that we have not mentioned in our manual, write us for information and prices which will promptly be given.

BARLEY

48 lbs. to a bushel

BARLEY. Six rows. Bearded. Bus. \$2.00.

BEANS

For Soiling and Fodder

SOJA BEANS, Mammoth. Yellow seed. Do equally well on both light and medium heavy soils. The use of this crop is increasing very rapidly in all sections and is proving to be one of the most valuable and important forage and cover crops for the farmer. Bus. \$2.90.

WILSON SOJA. Black seed. Very early, good grower. Height about 3 ft. Best sort of Soja to grow in New Jersey for soil enricher. Excellent for hay. Bus. \$4.00.

Use Stimugerm on Soja Beans to insure vigorous growth

BIRDS SEEDS

Prices Variable

If by mail, postage must be added at 7c. for first pound, and 1c. for each additional pound within 150 miles

CANARY, BEST SICILY (*Phataris canariensis*). Lb. 15c.; 10-lb. lots and over, 12c. per lb.

HEMP (*Cannabis sativa*). Lb. 10c.; 15-lb. lots and over, 10c. per lb.

MAW (*Papaver rhoeas*). Lb. 25c.

MILLET (*Panicum miliaceum*). Lb. 10c.; 10-lb. lots and over, 7c. per lb.

RAPE (*Brassica napus*). Lb. 15c.; 10-lb. lots and over, 12c. per lb.

MIXED BIRD SEED. Lb. 15c.; 10-lb. lots and over, 12c. per lb.

MOCKING BIRD FOOD. Bottle or can, 50c.

FLAX SEED (*Linum usitatissimum*). Extra cleaned. Lb. 20c.; 10-lb. lots and over, 15c. per lb.

SUNFLOWER (*Helianthus annuus*). Lb. 15c.; 10 lbs. or more, 12c. per lb.

BUCKWHEAT

48 lbs. to a bushel

NEW JAPANESE. Kernel twice the size of the ordinary variety. It is earlier and more productive. Flour very fine. Bus. \$2.25.

CORN FIELD

Subject to Market Fluctuations

Treat your Seed Corn before planting with Semesan Jr. for disease control

VIRGINIA LARGE WHITE ENSILAGE. For fodder only; a very rapid grower and heavy foliage; one of the best silo Corns. Lb. 10c.; 25-lb. lots and over, 7c. per lb.; bus. \$3.50.

EUREKA WHITE ENSILAGE. One of the most popular silo Corns. Lb. 10c.; 25-lb. lots, 8c. per lb.; bus. \$4.50.

BRISTOL EARLY. A good standard early flat kernel white cap Corn. Lb. 8c., 25-lb. lots and over 6c. per lb.; bus. \$3.00.

GOLDEN BEAUTY. Is a vigorous grower, attaining 10 to 14 ft. in height and each stalk produces from two to three ears; matures as early as most varieties of Golden Dent and surpasses all in size, appearance and productiveness. One of the best yellow Ensilage sorts. Lb. 8c.; 25-lb. lots and over, 6c. per lb.; bus. \$3.50.

Use Crow Repellent on Corn before planting

GOLDEN DENT GOURD SEED. This is a very productive and superior variety. The grains are very deep with small cobs. It is a vigorous grower and very popular in sections where the soils are light and sandy. Lb. 8c., 25-lb. lots and over, 7c. per lb.; bus. \$3.50.

IMPROVED LEAMING. The earliest most productive and handsomest Yellow Dent Corn in cultivation. Lb. 8c., 25-lb. lots, 6c. per lb.; bus. \$3.00.

LARGE YELLOW FLINT. Productive and of good quality. Lb. 7c.; 25-lb. lots and over, 6c. per lb.; bus. \$3.50.

LANCASTER COUNTY SURE CROP. One of the best all-around general purpose varieties; a most reliable and profitable Corn for either husking or ensilage purposes. Grows quite tall; a sure cropper, very few nubbins; will yield good crops on land that is not so fertile; ears, long, cob thin; top of grain rich yellow; when shelled, the grain has a reddish yellow cast; matures early; husks very easily. Lb. 8c.; 25-lb. lots, 6c.; bus. \$3.50.

CORN BROOM EVERGREEN. Carefully saved from selected brush. Lb. 25c.; 15-lb. lots and over, 20c. per lb.

WHITE CAP or WOODHULL. One of the best standard sorts; light grain, large ear, medium size stalk, very productive. Lb. 10c.; 25-lb. lots and over, 7c. per lb.; bus. \$3.50.

CLOVERS

Prices Subject to Market Fluctuations

Use Stimugerm on all Clovers to insure better crops

ALFALFA or LUCERNE. Sow 20 to 25 lbs. to an acre. It requires a deep, rich, dry soil and in such will produce several crops every season. One of the best green fodder plants. Lb. 35c.; 15-lb. lots, 30c. per lb.; 100-lb. lots, 29c. per lb.

ALSIKE CLOVER. Sow 6 to 8 lbs. to an acre. Resembles in growth, duration, etc., the Medium Red Clover, except its flower is white and growth much finer; thrives better than Red Clover on poorer soil and will not winter out as much as the other kind of Clover. Lb. 35c.; 15-lb. lots, 30c. per lb.; 100-lb. lots, 28c. per lb. (60 lbs. to a bushel.)

CRIMSON CLOVER. Sow 10 to 15 lbs. to an acre. A most valuable sort for soiling. It grows from 2 to 3 ft. high. Sow in July and August for cover crop or mowing the ensuing Spring. Lb. 25c.; 15-lb. lots, 15c. per lb.; 100-lb. lots, 13c. per lb. (60 lbs. to a bushel.)

CLOVERS—Continued

PEA VINE or MAMMOTH RED CLOVER. Sow 8 to 12 lbs. to an acre. Resembles the Medium Red Clover, but grows coarse and stocky; very valuable for plowing under. Lb. 40c., 15-lb. lots, 35c. per lb.; 100-lb. lots, 33c. per lb. (60 lbs. to a bushel.)

MEDIUM RED CLOVER, American Grown. Sow 8 to 12 lbs. to an acre. It is a perennial but of very few years duration. Is considered the most nutritious of all the species and most valuable for cattle feeding and soil improver. Lb. 40c., 15-lb. lots, 35c. per lb.; 100-lb. lots, 30c. per lb. (60 lbs. to a bushel.)

SWEET CLOVER (*Melilotus alba*). Sow 15 to 20 lbs. to an acre of hulled seed. Very valuable for soiling, very excellent for sowing in early Spring on land to be sown later to Alfalfa. Grows from 3 to 5 ft. and can be cut two or three times if wanted for forage. Lb. 25c.; 15-lb. lots, 15c. per lb.; 100-lb. lots, 12c. per lb. (60 lbs. to a bushel.)

WHITE CLOVER. Sow 4 to 6 lbs. to an acre. Valuable for lawn and pasture. Lb. 50c.; 15-lb. lots, 45c. per lb.; 100-lb. lots, 42c. per lb.

GRASS SEEDS

Special Prices on 10 Lbs. and Over
Subject to Market Fluctuations

CREeping BENT GRASS, German. Excellent for lawn. Makes close growing, velvety green sod. Very hardy. Best variety of grass for putting greens and makes a handsome lawn. Lb. \$1.25; 5-lb. lots, \$1.20 per lb.; 10-lb. lots and over, \$1.15 per lb.

CREeping BENT, RHODE ISLAND. Hardier than German. Lb. \$1.35; 5-lb. lots, \$1.30 per lb.; 10-lb. lots, \$1.25 per lb.

CREeping BENT, PRINCE EDWARD ISLAND. The hardiest of all Bent, and finest growth. Lb. \$1.50.

FESCUE, MEADOW (English Blue Grass). Easy to grow; resembles Kentucky Blue Grass; good for lawn and meadow. Lb. 25c.

FESCUE, NEW ZEALAND. Hardy grass for lawn and fairways. Lb. 60c.

HERD or RED TOP GRASS, Unhulled (*Agrostis vulgaris*). Natural harvest seed in hull. Valuable as a mixture in either pasture or lawn grasses. Succeeds well in almost any soil. Best adapted to deep soil. Sow 20 to 30 lbs. to an acre. Lb. 25c.; 15-lb. lots and over, 20c. per lb. (14 lbs. to a bushel.)

HERD or RED TOP GRASS SEED, Hulled. Fancy seed thrashes out of hull. Sow 10 to 15 lbs. to an acre. Lb. 40c.; 15-lb. lots and over, 35c. per lb. (32 lbs. to a bushel.)

KENTUCKY BLUE GRASS (*Poa pratensis*). Sow 30 to 35 lbs. to an acre. It is also known as June Grass. A valuable variety for lawns, when mixed with other grasses. Thrives best in dry soils and retains its verdure during the hottest weather. Extra clean seed. Lb. 60c.; 15-lb. lots and over, 55c. per lb. (20 lbs. to a bushel.)

CANADA BLUE. Coarser than Kentucky Blue. Lb. 50c., 15-lb. lots, 45c. per lb.

MILLET, GERMAN or GOLDEN. Sow 50 to 60 lbs. to an acre. Medium early. In height, 3 to 4 ft., heads closely condensed. Lb. 10c.; 15-lb. lots and over, 6c. per lb. (50 lbs. to a bushel.)

PERENNIAL RYE GRASS (*Lolium perenne*). Sow 30 to 35 lbs. to an acre. A very nutritious and valuable grass for meadows and permanent pastures. Lb. 25c.; 15-lb. lots and over, 20c. per lb. (24 lbs. to a bushel.)

ORCHARD GRASS (*Dactylis glomerata*). Sow 20 to 25 lbs. to an acre. One of the most desirable of all pasture grasses. Especially valuable for grazing stock. Lb. 35c.; 15-lb. lots and over, 30c. per lb. (14 lbs. to a bushel.)

TIMOTHY GRASS (*Phleum pratense*). Sow 10 to 15 lbs. to an acre. It will produce a larger crop than any other fine blade grass for hay. Lb. 20c.; 15-lb. lots and over, 14c. per lb. (45 lbs. to a bushel.)

SUDAN GRASS. A rapid growing green fodder and makes good hay. Lb. 15c.; 10-lb. lots, 10c. per lb.

OATS

32 lbs. to the bushel

TARTAR. Large grain, large straw and a large cropper. A side Oat. The only Oat to grow with Canada Field Pea for green fodder for cattle feeding. Lb. 6c.; 15-lb. lots, 5c. per lb.; bus. of 32 lbs. \$1.35.

PASTURE GRASS MIXTURE

(Also for Hay)

Sow 50 to 60 lbs. to an acre

This is the most profitable crop that a farmer can put in his soil. Seeding should be done in July and August. You seldom miss a catch. The following season it will cut two to three tons on an average to an acre.

The quality is far superior to Clover and Timothy hay. It will also do fairly well sown in oats during April. (25 lbs. to the bushel.)

Lb. 45c.; 15-lb. lots and over, 35c. per lb.; 100-lb. lots, 33c. per lb.; bus. \$8.00

PEAS AND COW PEAS FOR FODDER AND SOILING

Use Stimugerm before planting, for better crops

Special Prices on Quantity Subject to Market Fluctuations

Sow 60 to 75 lbs. to an acre

CANADA WHITE. Sow with Oats. Side Oats are preferred, being a stronger grower and heavier in grain. No green forage is so profitable to milch cows as this feeding. Lb. 10c.; 15-lb. lots and over, 7c. per lb.; bus. of 60 lbs. \$4.00.

COW PEAS, BLACK and GRAY WHIPPOORWILL. Best variety as a soil enricher. Also for hay and pasture for cattle and hogs. It is the cheapest method to make poor land rich. Lb. 10c.; 15-lb. lots and over, 8c. per lb.; bus. \$4.00.

RAPE

Sow 10 to 12 lbs. to an acre

DWARF ESSEX. Does well to sow with Oats, Southern Cow Peas and Sweet Fodder Corn. If well grown this is the best and cheapest pasture for hogs. By itself it is excellent as good green food for poultry, sheep and hogs. Lb. 15c., 15-lb. lots, 10c. per lb.; 100-lb. lots, 8c. per lb.

RYE, WINTER

A valuable catch crop. Lb. 5c.; 15-lb. lots and over, 4c. per lb.; bus. \$1.75.

SORGHUM, or AMBER SUGAR CANE

Great fodder producer and very nutritious for cattle and stock feeding; it can be cut down several times in a season. Very profitable for a dairy farm and hog raising. Lb. 20c.; 15-lb. lots and over, 10c. per lb.

VETCHES

SPRING (*Vicia sativa*). Sow 40 to 50 lbs. to an acre. Highly valuable for soiling or for green manuring. Sometimes grown with Oats for forage. Makes excellent cutting in June for cattle. Lb. 10c.; 15-lb. lots and over, 9c. per lb.; 100-lb. lots, 8c. per lb. (60 lbs. to a bushel.)

HAIRY or WINTER (*Vicia villosa*). Sow 40 to 50 lbs. to an acre. It is noted for its hardiness and is highly valuable as a Winter cover crop. It is used for forage and fertilizing purposes, will live over Winter in well-drained soils. It is a biennial, but drops its seeds freely and will come up year after year. If sown in September will make an excellent forage for following Spring. Will yield 1½ to 4 tons per acre. Lb. 20c.; 15-lb. lots and over, 15c. per lb.; 100-lb. lots, 13c. per lb. (60 lbs. to a bushel.)

WINTER WHEAT

60 lbs. to a bushel

PENNSYLVANIA 44. Has a very large, hard berry. Bearded. One of the best red Wheats. Lb. 7c.; 15-lb. lots, 6c. per lb.; bus. \$2.25.

LEAP'S PROLIFIC BEARDLESS. A first-class milling wheat. Lb. 7c.; 15-lb. lots, 6c. per lb.; bus. \$2.25.



RIBSAM'S CHOICE FLOWER SEEDS

General Cultural Directions—To get an early start seeds can be sown indoors in shallow boxes or seed pans, not over 3 inches deep. About 1 inch of rough material should be placed in the bottom and on top of this, another inch of fine sifted soil. After the surface has been smoothed and lightly pressed, sow the seed evenly and cover lightly with soil. Then press firmly and water very carefully in order not to wash the seeds out of the ground. Cover the box with a pane of glass, keep in a temperature of about 65 degrees and water carefully as needed. As the seedlings grow, the glass can be removed and the plants transplanted into other boxes or small pots from which they may be planted in the open ground when the weather is favorable. Before sowing seed outdoors, the ground should be thoroughly spaded and raked until it is as smooth and fine as possible. The seeds should be covered three or four times their diameter in order to prevent rains from washing them out. Do not sow seeds of tender plants until all danger of frost is over.

We know of nothing quite so fascinating as the culture of flowers. Plant freely and learn what wonders Nature will unfold from a few tiny seeds, how much a few flowers will add to the beauty of a home—none so humble as not to be able to have a few!

Grow the flowers you like and in abundance, but also, by way of adventure, grow each year some with which you are less familiar. The investment is small—no package of seeds ever cost a fortune. There will be pleasant surprises in store for you.

Treat all Flower Seeds with Semesan before sowing

Annual, blooming the first year from seeds; **Biennials**, flower the second year from seed and die; **Perennial**, blooming the second year, sometimes the first year if sown early in Spring, after which they bloom every year.

ABUTILON (*Flowering Maple*)

Annual. Outdoor and indoor flower. Pkt. 25c.

ACANTHUS (*Bears Breech*)

Perennial. Rosy white flowers, blooming in August and September. Pkt. 10c.

ACHILLEA

Perennial. 2 ft. high flower. Double white blooms all Summer. Pkt. 25c.

ACONITUM (*Monkshood or Wolfbane*)

Perennial. Produce long spikes of curious blue and white flowers. Pkt. 10c.

ACROCLINIUM

Pretty annual "everlasting," lovely white and rosy pink flower. When cut in the bud state can be dried and used in Winter bouquets. Pkt. 10c.

ADONIS

Autumnalis. Annual. Crimson; 1 ft. Pkt. 10c.

ADLUMIA

Cirrhusa (*Mountain Fringe, Allegheny Vine*). Biennial climber, with tube-shaped, flesh-colored flowers like Bleeding-hearts. Pkt. 10c.



Achillea

AGERATUM (*Floss Flower*)

Blue Perfection. Annual. Dark blue. Pkt. 10c.
Alba nanum. Pure white. 8 in. Pkt. 10c.

AGROSTEMMA

Perennial. Foliage silver white; flower crimson. 2 ft. Pkt. 10c.

ALYSSUM (*Madwort*)

Carpet of Snow. Annual. Dwarf, pure white. Pkt. 10c.
Maritimum. Annual. Of trailing habit, pure white. Pkt. 10c.

AMARANTHUS

Mixed Colors. Annual. Bright red and variegated drooping flower spikes. Pkt. 10c.
Tricolor (*Josephs-coat*). Beautiful leaves of red, yellow and green. Very showy. Pkt. 10c.

ANCHUSA

Perennial. Free flowering, Forget-me-not blue spray flowers. 18 in. high. Pkt. 15c.

ANTHEMIS (*Hardy Margaret*)

Perennial. Bear a Daisylike yellow golden blossom all Summer. Pkt. 10c.

ANTIRRHINUM (*Snapdragon*)

Half-hardy Perennial. One of the best cut flowers that can be grown in the garden. They prefer a sunny position.

TALL GIANT FLOWERING. About 3 ft. high.
Rose Queen, soft pink **White** **Bright Rose**
Crimson **Yellow** **Mixed**

Any of above, pkt. 10c., 6 pkts 50c.

SEMI-DWARF, LARGE FLOWERING. 1½ to 2 ft. tall.
 Excellent for bedding.

Deep Rose **Scarlet** **Yellow**
Pale Pink **White** **Mixed**

Any of above, pkt. 15c., 6 pkts. 75c.

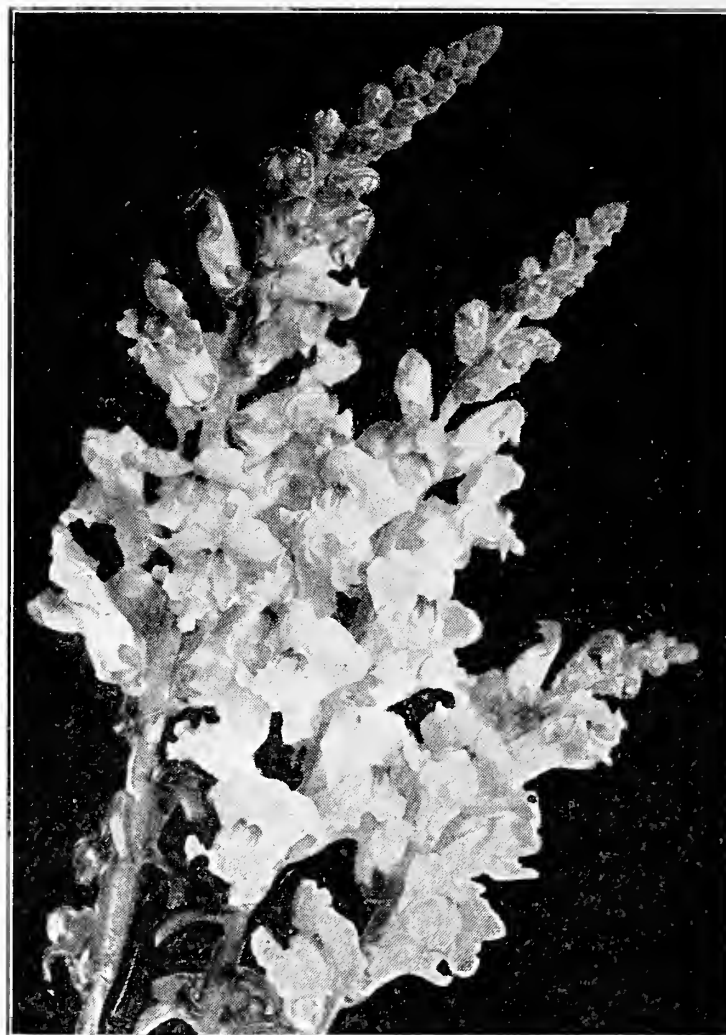
AQUILEGIA (*Columbine*)

Mrs. Scott Elliott's Hybrids. Perennial. There is no better mixture grown. These flowers have taken the highest awards at all the European exhibitions. Wonderful colors with very long-spurred flowers. Pkt. 25c., 5 pkts. \$1.00.

Mixed. Perennial. Exquisite flowers with extra long spurs. Pkt. 10c.

ARABIS

Alpina (*Rockcress*). Perennial. Spreading tufts of a sheet of white flowers as soon as the snow disappears; fine for rockery. 6 in. Pkt. 10c.



Antirrhinum

ASTERS

Asters are the most popular annual flower both in the garden and as cut flowers.

CALIFORNIA DOUBLE GIANTS
White **Light Purple** **Dark Purple**
Peach Blossom **Deep Rose** **Mixed**
Light Blue

Any of above, pkt. 20c.

AMERICAN BRANCHING
White **Pink** **Dark Blue**
Lavender **Crimson** **Mixed**

Any of above, pkt. 10c.

KING (NEEDLE TYPE)
Crimson **Rose Violet** **Mixed**
Lavender **White**

Any of above, pkt. 10c.

SUNSHINE ASTERS. A most attractive Anemone-flowered variety of special value for cutting with a wonderful array of dainty colors covering all the color tones usual to the Aster. **Mixture containing all colors.** Pkt. 15c.

ASTER (*Michaelmas Daisy*). Hardy perennial. Beautiful Fall flower. 5 ft. high. Pkt. 15c.

BALSAM (*Ladyslipper*)

An old favorite, producing a profusion of brilliant colored, double flowers. Pkt. 10c.

BALLOONVINE (*Love-in-a-puff*)

Annual. Climber; white flowers; seed vessel like small balloon. Pkt. 10c.

BELLIS (*English Daisy*)

Perennial. Double mixed Daisy. Pkt. 25c.

BOCCONIA (*Plumepoppy*)

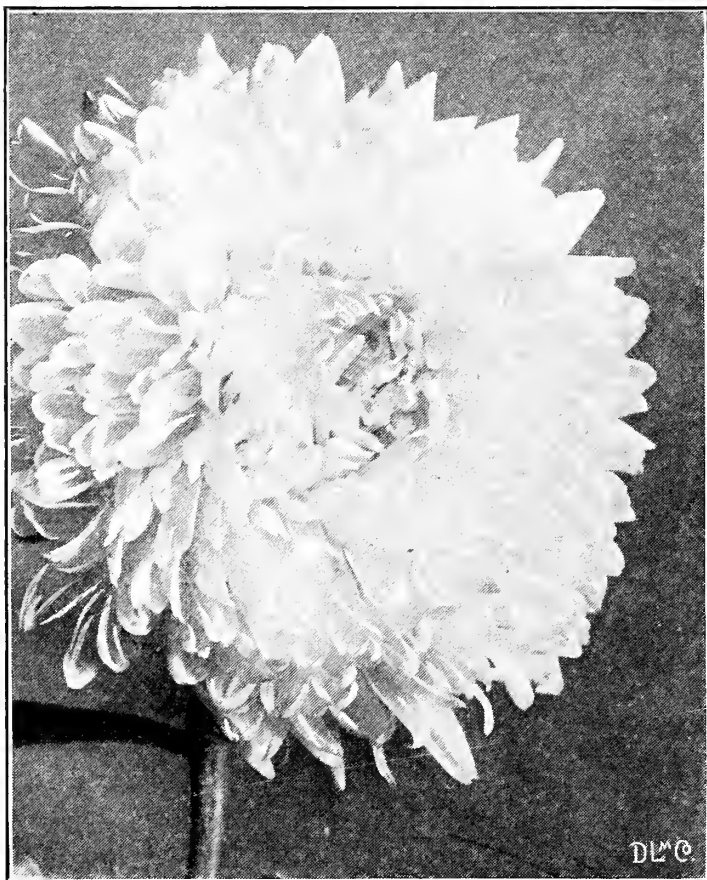
Perennial. 5 ft. Cream color flower. Pkt. 10c.

BOLTONIA

Perennial. 4 ft. high, Daisylike flowers. Bloom July and August. Pkt. 10c.

BRACHYCOME (*Swan-river-daisy*)

Annual. Free flowering, dwarf growing, suitable for edging, producing blue and white flowers. Pkt. 10c.



Aster

D.C.

CALENDULA (*Pot-marigold*)

A most popular annual; very showy, grows in any kind of soil; makes a fine effect in mixed beds or borders; a good potting flower.

Orange King. Large double orange. Pkt. 10c.

Lemon Queen. Large sulphur yellow. Pkt. 10c.

Large Double, Finest Mixed. Pkt. 10c.

CANARY BIRD VINE

Annual. Rapidly growing vine, bearing beautiful yellow flowers. Pkt. 10c.

CALLIOPSIS (*Golden Ray or Coreopsis*)

Annual. Dwarf, compact plants covered with flowers of rich maroon, edged with golden yellow; good cut flowers. Pkt. 10c.

CAMPANULA

Medium (*Canterbury-bells*). Biennial. Beautiful, bell-shaped flowers in great profusion.

Single Mixed. Pkt. 10c.

Double Mixed. Pkt. 10c.

Cup-and-saucer Mixed. Pkt. 10c.

Pyramidalis (*The Chimney Bellflower*). Perennial. Blue. Pkt. 15c.

CANDYTUFT

Annual. A profusely blooming, easily cultivated plant, 12 to 15 inches high. The fragrant flowers are very desirable for borders, beds, rockeries and for cutting. They bloom all season.

Crimson Lilac Pink White Mixed
Each, Pkt. 10c.

CARNATIONS

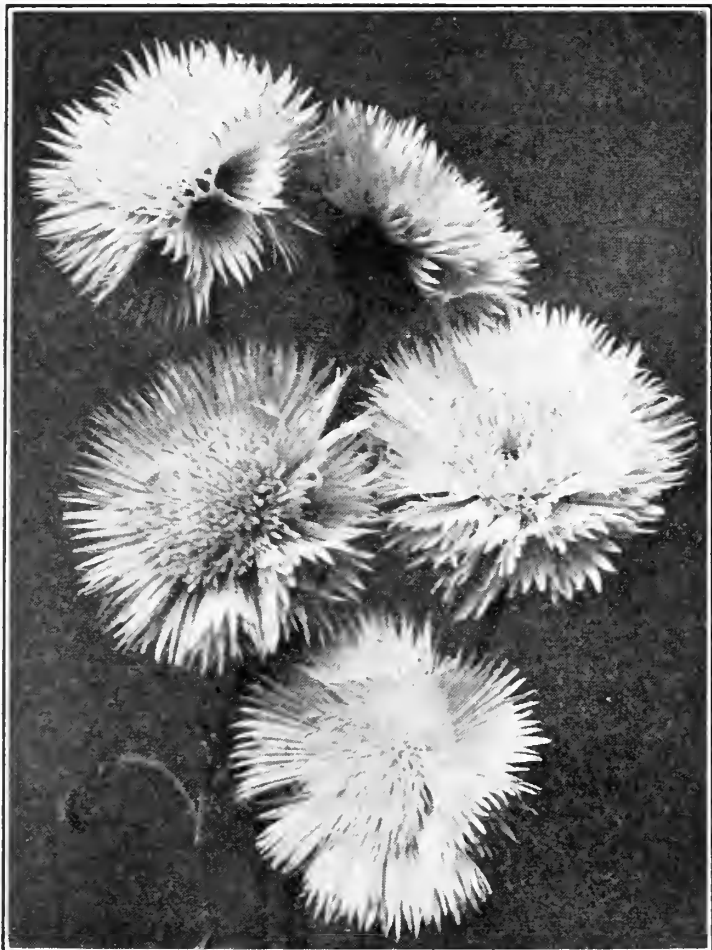
Marguerite Carnations. These are deservedly the most popular Carnations with the amateur as they begin flowering in a few weeks from time of sowing. With slight protection they will survive an ordinary Winter and bloom freely the following Spring. 18 in.

Giant Mixed. Pkt. 15c.

Double Mixed. Very fine for cut flowers. Pkt. 10c.

CARDINAL CLIMBER CYPRESS

Annual. Has fine foliage, grows rapidly, bears red trumpet flowers. Pkt. 10c.



Centaurea Imperialis



Calendula

CELOSIA (*Cockscomb*)

Mixed Colors. Annual. Pkt. 10c.

Red Empress. Annual. Rich crimson combs of colossal proportions. Pkt. 10c.

Plumosa. Annual. Very attractive, silky, plumelike flower in various colors. Crimson, yellow and pink flowers. 2 ft. Pkt. 10c.

CENTAUREA

Very useful and free flowering annuals of great diversity, almost indispensable in the garden for cut flowers.

Cyanus (*Bachelor Button, Cornflower, Ragged Sailor*). This type of Centaurea is well known and no garden is complete without it.

Double Blue, Double Pink and Double White. Each, pkt. 10c.

Double Mixed. Pkt. 10c.

Single Blue and Single Mixed. Each, pkt. 10c.

Imperialis (*Royal Sweet-sultan*). These charming, thistlelike flowers are borne on long, strong stems and are excellent for cutting. They keep fresh for a long time and are very fragrant.

Pink, Purple, White and Mixed. Each, pkt. 10c.

Suaevolens (*Yellow Sweet-sultan*). Very much like *C. imperialis*, but generally smaller flowers and plant. Blooms rich golden yellow. Pkt. 15c.

Candidissima (*Dusty-miller*). A little plant used extensively for borders and edges of beds. Its leaves are silvery gray and form a pleasing contrast with brilliantly colored flowers. Pkt. 15c.

CHRYSANTHEMUM

Single and Double, Mixed Colors. Annual. Producing flowers of many colors. Pkt. 10c.

CLEOME (*Giant Spiderflowers*)

Annual. Plant attains height of 3½ feet, each branch having a large head of rosy crimson flowers. Pkt. 10c.

COBAEA

Scandens (*Cup-and-saucer Vine*). Annual. A rapid climber to 50 ft.; large, bell-shaped purple flowers. Pkt. 10c.

COCCINEA

Indica (*Scarlet, Fruited Ivy-leaved Climber*). Annual. A handsome climber of the Gourd species, with fine, snow white, bell-shaped flowers and brilliant carmine fruit. Pkt. 10c.

COLEUS (*Flame Nettle*)

This is a selected mixture of fine, highly colored hybrid varieties. Pkt. 25c.

CONVOLVULUS

Major (*Morning-glory*). Annual. This is the climber, and is one of the most free growing and blooming plants under cultivation. Pkt. 10c.

Minor. Annual. This is the dwarf Morning-glory which bears a profuse abundance of large, richly colored flowers. Pkt. 10c.

Japanese (See *Ipomoea*). Annual. Pkt. 10c.

COSMOS

Annual. One of the finest Autumn blooming plants with attractive, feathery foliage and bright Daisylike flowers. It is most effective when planted in broad masses along background borders against evergreens or fences. The flowers are borne in great profusion.

EXTRA EARLY MAMMOTH FLOWERING. Plants 4 ft. high; blooms from July until cut down by frost.

White, Crimson, Pink and Mixed. Each, pkt. 10c.

EXTRA EARLY DOUBLE CRESTED. The flowers are large, with full, double centers and an outer row of broad ray petals. The best for cut flowers, blooming from July until frost.

White, Pink, Crimson, Mixed Colors. Each, pkt. 15c.

LATE MAMMOTH FLOWERING TALL.

Crimson, Pink, White, Mixed. Pkt. 10c.

Klondyke. Large, golden yellow flowers, 2½ to 3½ in. in diameter. These plants must be started very early to get them to bloom before frost. Pkt. 15c.

CYPRESSVINE (*Ipomoea quamoclit*)

This vine grows rapidly, having a fernlike foliage and bears a mass of beautiful, star-shaped flowers. Pkt. 10c.



Extra Early Double Crested Cosmos

DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises.

Choice Selection. Pkt. 25c.

DATURA (*Trumpetflower*)

An ornamental annual with large white trumpet, sweet-scented, showy flowers, making handsome plants. 2 to 3 feet high. Pkt. 10c.

DELPHINIUM (*Perennial Larkspur*)

Belladonna. Turquoise blue. Pkt. 25c.

Bellamosum. Rich deep blue. Pkt. 25c.

Formosum. Rich blue white center. Pkt. 15c.

Chinese. Feathered foliage. Blossoms blue. Pkt. 10c.

Hybrid. Mixture of beautiful blooms. Pkt. 15c.

Special Wrexham Strain (English Hybrids). Choice colors. Pkt. 50c.

DIANTHUS (*Pink*)

Chinese Double Mixed. Annual. Colors varying from rich, velvety crimson to most delicate rose. Pkt. 10c.

Japanese. Annual. Beautifully colored, single pink, free bloomer. Mixed colors. Pkt. 10c.

DIDISCUS

Coeruleus (*Blue Laceflower*). Pretty annual; blooms profusely. Exquisite lavender blossoms are excellent for cutting. Pkt. 10c.

DIGITALIS (*Foxglove*)

Perennial. Flowers produced on long stems, making a very beautiful plant in the garden.

GIANT SHIRLEY. The finest strain of Foxgloves.

Mixed Colors. Pkt. 15c.

GLOXINIAEFLORE

Purple, Rose, White, Mixed. Each, pkt. 10c.

DOLICHOS (*Hyacinth-bean*)

Climber; grows 10 feet; flowers freely in erect racemes and produces ornamental seed pods. Pkt. 10c.

ESCHSCHOLTZIA (*California-poppy, Gold Cups*)

This beautiful and brilliant annual has been greatly improved in recent years and we now have many beautiful and unusual colors.

Aurantiaca. Rich golden orange. Pkt. 10c.

Chrome Queen. Rich chrome yellow. Pkt. 10c.

Rosy Queen. Soft flesh pink. Pkt. 10c.

Crimson King. Rich carmine crimson. Pkt. 10c.

Purple Glow. A new color in California Poppies—a bright, reddish purple and the darkest shade yet obtained. Pkt. 10c.

Choice Mixture. Pkt. 10c.



Delphinium Wrexham Strain



Gaillardia Picta

ECHINOPS (*Globethistle*)

Perennial. 3 feet. Steel blue flower. Pkt. 10c.

EUPATORIUM

Perennial. 3 feet. White flower. August to October. Pkt. 10c.

EUPHORBIA

Variegata (*Snow-on-the-mountain*). Annual. Attractive foliage striped with white. Pkt. 10c.

GAILLARDIA

Grandiflora (*Mexican Blanketflower*). A hardy perennial easily cultivated and very satisfactory for mixed borders and cutting. They bloom throughout the entire season. Pkt. 10c.
Picta (*Blanketflower*). Annual. Has very showy flowers, blooming in great profusion. Mixed colors. Pkt. 10c.

GEUM

Perennial. Double crimson flower. Beautiful Summer bloomer. Pkt. 10c.

GOLDENGLOW RUDBECKIA

Perennial. A very tall plant, suitable for hiding fences and bearing large, yellow flowers; very suitable for cut flowers. Pkt. 15c.

GOMPHRENA (*Bachelor Button*)

This is a first rate bedding plant; the flowers can be dried and used in Winter bouquets as a Strawflower. Pkt. 10c.

GODETIA

Bush annual, with large, showy flowers of rich coloring. Pkt. 10c.

GOURD (*Balsamapple, Cucurbita*)

A very pretty climber with glossy foliage and round, Apple-shaped fruit. Pkt. 10c.

GOURD (*Cucurbita*)

Annual climber. 10 to 20 feet with ornamental foliage and peculiar mixed fruits. Pkt. 10c.

GYPSOPHILA (*Babysbreath*)

It bears large panicles of misty white flowers which are very suitable for mixing with other flowers. Pkt. 10c.

HELIOTROPE (*Cherry Pie*)

A perennial known to everyone, having a most delightful perfume. We have it in **Mixed, White, and Blue.** Each, pkt. 15c.

HELICHRYSUM (*Straw- or Eternalflower*)

These are the best flowers for drying, are also very pretty in the garden. Pkt. 10c.

HELENIUM

Perennial. 3 feet. Yellow flower. Pkt. 10c.

HELIANTHUS (*Hardy Sunflower*)

Hardy grower, with large golden flowers in Autumn. Pkt. 10c.

HELIOPSIS

Perennial. 4 feet. Orange Sunflower. Pkt. 10c.

HIBISCUS (*Marshmallow*)

Perennial. It has a large-sized, beautifully colored flower and is very suitable for mixed beds. Pkt. 15c.

HOLLYHOCK

This perennial is unsurpassed for a background; it has beautiful long spikes bearing large, gorgeous flowers.

Double White **Double Red** **Double Mixed**
Double Yellow **Double Pink** **Single Mixed**

Each of the above, pkt. 10c.

HUMULUS

Japonicus (*Japanese Hop*). A beautiful, fast growing climber, resembling the Hop vine. Pkt. 10c.

IPOMOEA (*Moonflower*)

White. Bearing large, gorgeous flowers which open in the evening and close with the coming of morning. The plant is a very rapid climber. Pkt. 10c.

Japanese. These are by far the handsomest Morning-glory, having magnificent large flowers with colorings beyond description. Pkt. 10c.

ICEPLANT

Dwarf trailing Annual. White flowers and icy foliage. Pkt. 10c.

KOCHIA

Fire Ball. Pkt. 10c.

Hardy Annual. Green foliage which turns red in the Fall

LATHYRUS (*Hardy Sweet Peas*)

Mixed Colors. Pkt. 10c.

LANTANA

Annual. 3 ft.

Mixed Colors. Pkt. 10c.

LARKSPUR, ANNUAL

The Annual Larkspurs have been gaining in popularity each year, due to the ease with which they may be grown, their earliness to commence flowering and increasing range of colors.

Pink **Light Blue** **Dark Blue**
Carmine **White** **Mixed**

Each of the above, pkt. 10c.



Hollyhocks



Marigold

LINARIA

Cymbalaria (*Kenilworth-ivy*). Perennial. Trailing plant, suitable for basket work. Pkt. 10c.

LUPINUS

Free flowering annual with long, graceful spikes of rich and various colored, pea-shaped flowers. Valuable for mixed borders. 2 feet.

Rich Blue, Rose, White, Mixed. Each, pkt. 10c.

LYCHNIS

Perennial. 2 feet. Scarlet flower. Pkt. 10c.

MARIGOLD

The various classes of Marigolds include many exceedingly bright and attractive flowers and in Autumn when other bedding plants are past their prime, they afford a wealth of color that is simply invaluable. The African varieties produce large, self-colored blooms on tall plants; the French are smaller, but the colors and markings are intensely interesting, some elegantly striped and spotted.

DOUBLE AFRICAN VARIETIES

Giant Lemon Ball. Enormous flowers of perfect shape, freely produced. Height 2½ ft. Pkt. 15c.

Giant Orange Ball. A darker form of the above variety—rich golden yellow. Pkt. 15c.

Giant Mixture. Pkt. 10c.

FRENCH VARIETIES

Legion of Honor. Little Brownie. A single flowering Marigold, forming compact bushes about 9 in. high. The flowers are bright golden yellow, marked with a large blotch of velvety crimson at the base of each petal. Pkt. 10c.

Dwarf Double, Mixed. Extremely effective for beds and borders. Pkt. 10c.

MATTHIOLA

Bicornis (*Evening-scented Stock*). An old-fashioned easily grown annual, suitable for edging, bedding, pot culture and cutting. The flowers are a purplish lilac and very fragrant at night. Pkt. 10c.

MIGNONETTE (*Reseda*)

Odorata. No garden is complete without it, for its sweet fragrance is very pleasing. Pkt. 10c.

Defiance. Pkt. 10c.

Machet. Pkt. 10c.

MOMORDICA (*Balsamapple*)

Climbing ornamental foliage. Fruit yellow warted when ripe; opens showing the seed and its brilliant carmine interior. Fine vine for trellis or rockery. Pkt. 10c.

MIMOSA

Sensitiva (*Sensitiveplant*). Leaves close and drop when touched, flowers pinkish white. Pkt. 15c.

MARVEL OF PERU (*Mirabilis, or Four-o'clock*)

This is a handsome, well known old flower which does well everywhere. Pkt. 10c.

MESEMBRYANTHEMUM (*Iceplant*)

Dwarf trailing plant with singular icy foliage and white flowers. Pkt. 10c.

MYOSOTIS (*Forget-me-not*)

Half-hardy Perennial. One of the most admired Spring plants, bearing the well known little blue flowers. Pkt. 10c.

NASTURTIUMS

For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position and from within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms. The varieties offered below are the best selected from many sorts.

TOM THUMB, DWARF OR BEDDING VARIETIES

Crimson, Rose, Maroon, Scarlet, Yellow, White.

Pkt. 10c., oz. 25c.

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

TALL OR CLIMBING VARIETIES

Crimson, Orange, Spotted, Yellow. Pkt. 10c., oz. 25c.

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

NICOTIANA (*Tobacco or Tobacco Flower*)

Pink and White. With tubular flowers, blooming continually; sweet-scented. Pkt. 10c.

NIGELLA

Damascena (*Love-in-a-mist or Devil-in-the-bush*). Has finely cut foliage with peculiar flowers of Cornflower blue shade. Pkt. 10c.

PENTSTEMON (*Beardtongue*)

A very hardy border plant, ranking with the best of bedding plants. Pkt. 10c.



Nasturtiums

PANSIES

Everyone loves Pansies and no flower responds more quickly to careful attention. It should be the desire of every gardener to grow large Pansies with long, strong stems in a wide range of colors. For best results, Pansies should be sown in July or August for early Spring bloom and in the Spring for Autumn bloom.

SEPARATE COLORS

- Giant Adonis.** Light blue with white center.
Giant Bridesmaid. White and rose, beautifully blotched.
Giant Cardinal. Brilliant dark scarlet with darker eye.
Giant Emperor William. Cornflower blue, dark eye.
Giant Golden Queen. Pure yellow.
Giant Lord Beaconsfield. Deep purple, upper petals white.
Giant Snowflake. Pure white.
Giant Yellow. Large; black eye.

Above varieties, each pkt. 10c.

GERMAN. Fancy brilliant colors.

Fine Mixed. Pkt. 15c.

FRENCH GIANT LARGE. Mammoth flowers.

Fine Mixed. Pkt. 25c.

ENGLISH. Large flowers of blue, black, yellow, etc.

Fine Mixed. Pkt. 10c.

PETUNIAS

Sow seed lightly and gently press into the soil. Transplant when large enough, being careful to save even the smallest seedlings, for oftentimes the smallest, frailest seedlings produce the finest blooms. Petunias delight in a sunny position.

Single Ruffled Giant. A ruffled single Petunia of exceptionally beautiful form and colors, extraordinary size and substance. Our strain is a well blended mixture of all colors including pink and those varieties with richly colored throats and veinings. All are beautifully fringed and ruffled. Pkt. 25c.

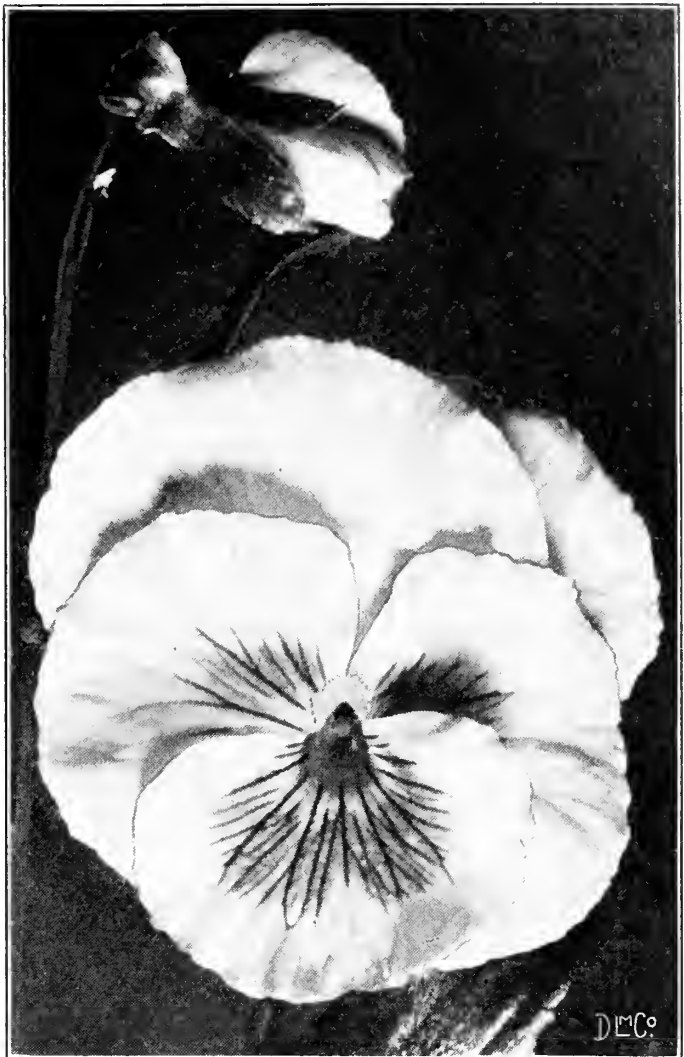
Fringed Double Giants. A mixture of the best large flowering, fringed, double Petunias. Some are 5 in. across, fluted, frilled and ruffled in bewildering beauty. Pkt. 50c.

Balcony Blue. A splendid, free flowering type, either for bedding or window boxes, vases, hanging baskets, etc. Rich indigo blue. Pkt. 25c.

Rosy Morn. Soft crimson pink with white throat. Pkt. 10c.

Snowball. Pure satin white flowers. Pkt. 10c.

Mixed Colors. Pkt. 10c., $\frac{1}{4}$ oz. 40c., oz. \$1.50.



Pansy

PHLOX

DRUMMONDI. Annual. This popular plant will grow in any soil provided it is given sun. Flowers all Summer.

Mixed Colors. Pkt. 10c.

HARDY. Perennial.

Mixed Colors. Pkt. 25c.

PHYSALIS

Francheti (Chinese Lantern Plant). Hardy Perennial. Bushy, 2 ft. high, producing freely bright scarlet lantern or balloon which can be cut and dried for Winter bouquets. Very interesting. Pkt. 10c.

POLYANTHUS

Elatior (English Primrose or Cowslip). Various colors, from white to crimson. Pkt. 25c.

POPPY (*Papaver*)

ANNUAL VARIETIES

Shirley. This is the best of all single Poppies, making a magnificent profusion of color in the garden. Pkt. 10c.

Carnation-flowered Mixed. Very fine mixture that produces large, double, fringed flowers. Pkt. 10c.

English Scarlet (Flanders). The common scarlet Field Poppy of Europe. Pkt. 10c.

PERENNIAL VARIETIES

Iceland. These are very suitable for cutting bloom first season. Should be picked when in bud; foliage fernlike. Pkt. 10c.

Oriental. Large, single, scarlet flowers, blotched with black at the base of each petal. Height $2\frac{1}{2}$ to 3 ft. Pkt. 10c.

Oriental Hybrids. A mixture of beautiful named varieties in many shades. Pkt. 10c.

PORTULACA (*Sunplant*)

A beautiful plant for massing in beds or in rock work, producing a riot of color. Single flowering varieties. Pkt. 10c.

Double Flower Mixed. Pkt. 10c.

PYRETHRUM

Single and Double Mixed. Perennial. Daisylike flower in various colors. Summer bloomer. Pkt. 25c.



Phlox Drummondii

RHODANTHE (*Swan River Everlasting
Strawflower*)

Of Various Colors. Pkt. 10c.

RICINUS (*Castor-oil-bean*)

Fine for center of bed or massing; it is of stately growth, bearing beautiful fruit and foliage. Pkt. 10c.

RUDBECKIA**Golden Glow.** Perennial. Pkt. 15c.**SALPIGLOSSIS** (*Painted Tongue*)

An exceedingly attractive, half hardy annual, with large, veined, funnel-shaped flowers which are highly ornamental in beds and borders and much prized for cutting. A bed of these beautiful plants is one of the most striking features of the garden during July and August.

In Six Separate Colors or Mixed. Pkt. 10c.

SALVIA**Dwarf Bonfire.** One of the finest Scarlet Sages. It is about 2 ft. high and its brilliant red spikes are borne above the dark green foliage, completely covering the plant. Pkt. 10c.**Splendens** (*Scarlet Sage*). One of the most brilliant garden flowers and extremely useful for bedding, hedging or borders. Pkt. 10c.**SCABIOSA** (*Mourning Bride or Egyptian
Rose*)

An excellent cut flower, therefore no garden is complete without it.

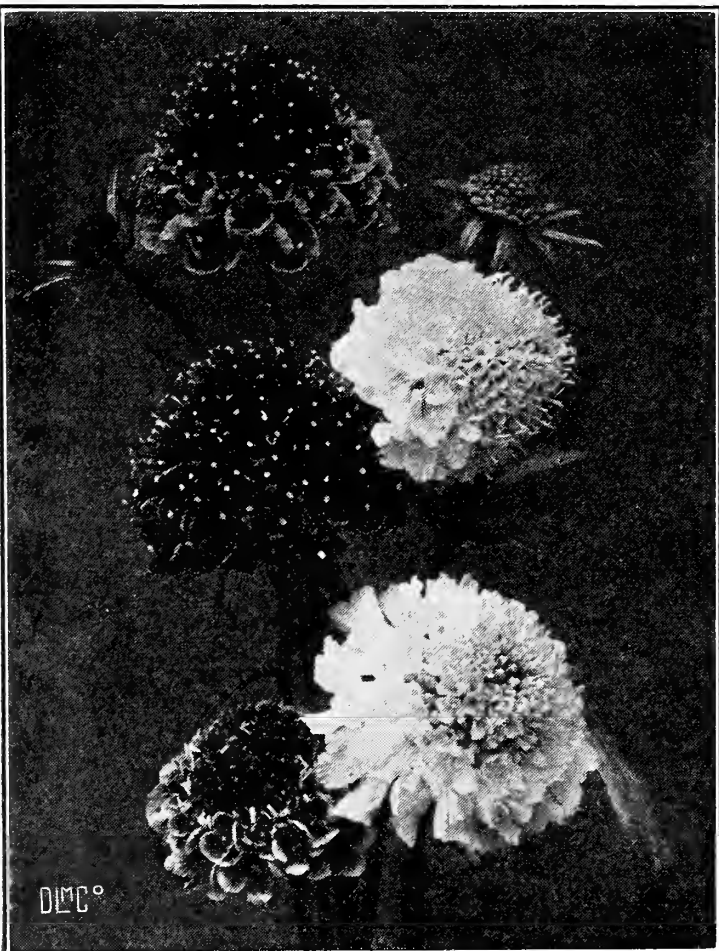
Separate or Mixed Colors. Pkt. 10c.

SCHIZANTHUS (*Butterfly- or Fringeflower*)

It bears very dainty flowers, which are Orchidlike and almost obscure the foliage, so densely are they borne. Pkt. 10c.

SHASTA DAISY

Perennial. This is a special selection of Hybrid Daisies bearing a flower of large size which makes it desirable for cutting. Pkt. 10c.



Scabiosa, Mourning Bride



Sweet Peas

STOKESIA**Cyanea** (*Cornflower Aster*). Perennial. Mixed colors. Pkt. 10c**RIBSAM'S GIANT FLOWERING
SPENCER SWEET PEAS**

Culture—Early planting is necessary to raise the best Sweet Peas, as it gives the plants opportunity to develop deep root systems to sustain them during the hot days. As soon as the frost is out of the ground in the Spring and the soil is in a workable condition, sow the seed in drills 2 to 3 inches deep and 1 inch apart. Thin out the plants so they will stand 4 to 6 inches apart. Some enthusiasts dig trenches 2 feet wide by 2 feet deep and fill in with rich soil heavily fertilized with rotten manure and leafmold. Water, lime and steady cultivation are essential. When the young plants produce tendrils, support them with chicken wire, sticks, or string. Sweet Peas are heavy feeders—liquid manure applied once a week will be beneficial. Keep the seed pods picked off in order to lengthen the season of bloom and produce large, fine flowers. Sweet Peas may also be sown in the Autumn, covering the bed with a heavy mulch over Winter, removing it very early before the frost is entirely out of the ground.

Avalanche. Glistening white of great substance.**Charity.** Deep rich crimson.**Chieftain.** Pure satiny mauve.**Constance Hinton.** Mammoth white.**Daffodil.** The best yellow yet introduced.**Del Monte.** Salmon cerise pink.**Elegance.** Silvery blush, suffused pink.**Fortune.** Rich, dark blue.**Hawmark Lavender.** Splendid large lavender.**Mary Pickford.** Dainty cream pink, suffused salmon.**Mermaid.** Rich, true lavender.**Royal Purple.** Large flowers of beautiful form.**Sunset.** Bright rose, amber ground**Warrior.** Deep maroon; very large.**Wedgwood.** A lovely self blue.

Any of above, pkt. 10c., oz. 25c., ¼ lb. 70c., lb. \$2.50

**SUPERB MIXTURE GIANT FLOWERING SPENCER
SWEET PEAS**

This mixture contains the choicest named varieties blended in the proper proportions to insure a well balanced color effect. Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

STATICE (*Sea-lavender*)

Very good for bordering, producing panicles of minute flowers; it can be dried and used for Winter bouquets. Pkt. 10c.

SUNFLOWER (*Helianthus*)

This is a mixture of the miniature Sunflower, containing a variety of smaller and curiously twisted petals varying from the original miniature Sunflower. Pkt. 10c.

STOCK, TEN WEEK (*Gilliflower*)

The Stock is a very popular annual because of its variety of color and its adaptation as a bedding and pot plant.

Separate Mixed Colors. Pkt. 15c.

SWEET-WILLIAM (*Dianthus barbatus*)

An old favorite, hardy garden plant of easy culture, thriving in any good garden soil and lasting for years. Our strains produce large heads of fragrant flowers in a great variety of beautiful colors. The plants form large clumps and grow about 1 foot high.

Single Mixed. Pkt. 10c.

Double Mixed. Pkt. 10c.

Newport Pink. Pkt. 15c.

THUNBERGIA (*Black-eyed-susan*)

A beautiful, rapid growing climber; does well in hanging baskets, prefers a warm, sunny place. Pkt. 10c.

VALERIANA

Perennial. 2 feet. Red and white flower. Fine for bouquets. Pkt. 10c.

VERBENAS, MAMMOTH FLOWERING

A magnificent strain of free blooming Verbenas of robust, compact habit. The flower heads are immense, the individual florets measuring an inch in diameter.

Blue. White eye.

Lucifer. Vivid scarlet self.

Luminosa. Flame pink shading to salmon.

Pure White.

Rose Pink. With large white eyes.

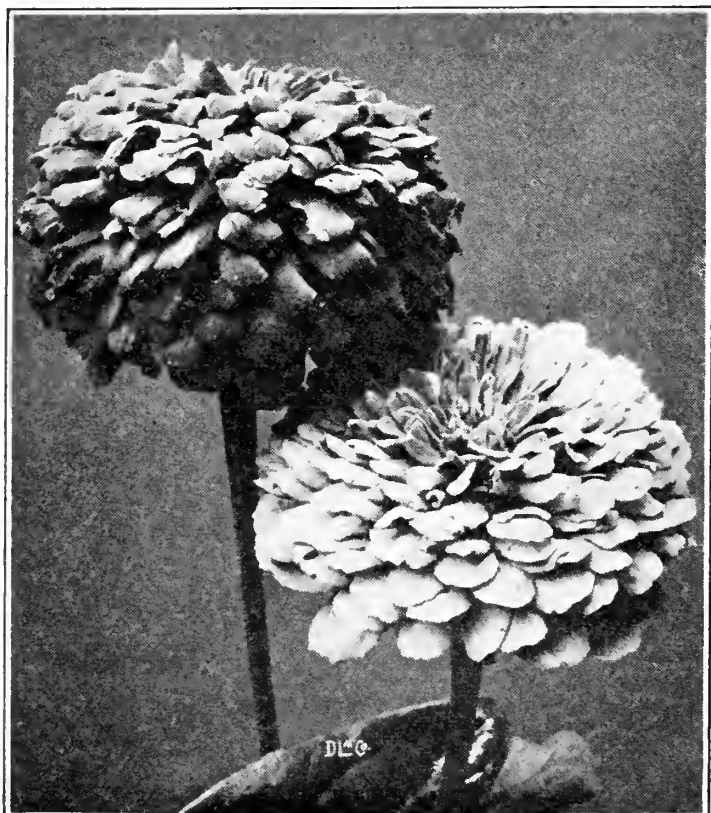
Any of above, each pkt. 10c.

VERONICA

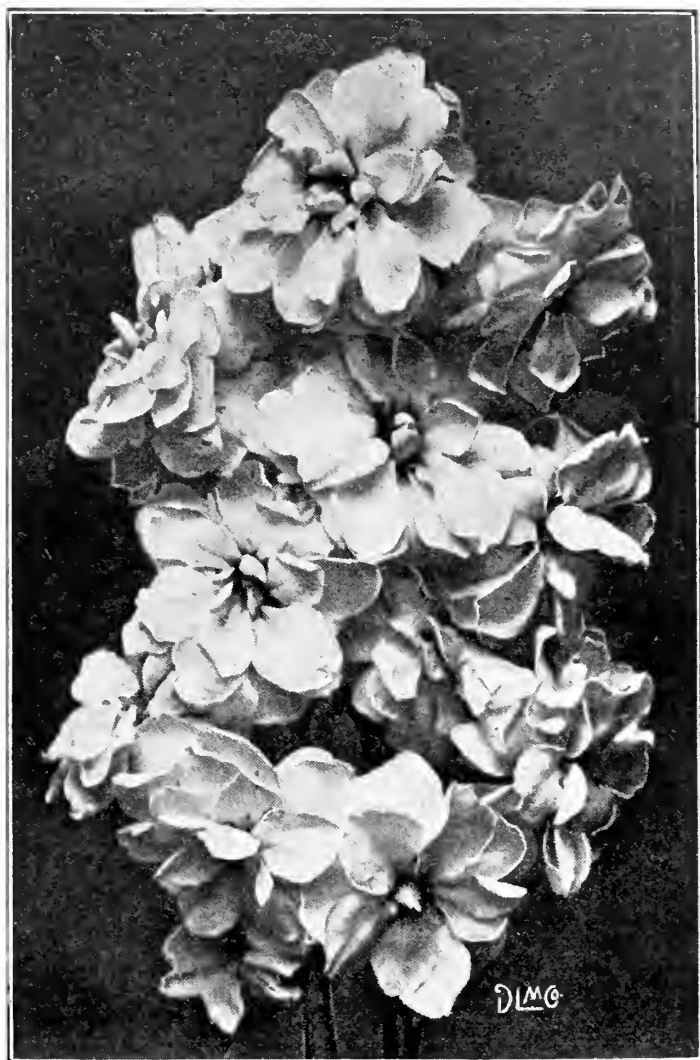
Spicata. Elegant hardy border plant about 1½ feet high, producing long spikes of bright blue flowers during June and July. Pkt. 10c.

WALLFLOWER

It is an early Spring bloomer, bearing beautiful flowers. Pkt. 10c.



Zinnias, Giant Dahlia Flowered



Ten Week Stocks

XERANTHEMUM (*Everlasting flower*)

This is the earliest of all Everlasting Flowers. The seed is mixed and contains all the colors. Pkt. 10c.

ZINNIAS

One of the most popular annuals for beds, mixed borders and cutting purposes. The Zinnia blooms constantly from July until frost and does well in most any soil. To secure the largest flowers and a profusion of bloom the plants must be given plenty of room for full development and an abundance of plant food. The flowers are fully double with long stems and good keeping qualities.

GIANT DAHLIA FLOWERED ZINNIAS. The latest development in Zinnias. It took seven years of painstaking care and selection to produce this type of Zinnia, but it is now recognized the world over as being the largest and most beautiful Zinnia. The Dahlia Flowered Zinnia is a good forcer and money maker for florists. The plants are sturdy and the flowers often measuring 6 in. in diameter and 4 in. in depth, closely resemble the Show Dahlia.

Polar Bear. Large, pure white.

Canary Bird. Delicate primrose.

Oriole. Orange and gold.

Old Rose.

Exquisite. Light rose.

Crimson Monarch. Largest red.

Dream. Deep lavender.

Golden State. Orange yellow.

Purple Prince. Deep purple.

Any of the above colors, each, pkt. 20c.

DAHLIA FLOWERED

Mixed. Pkt. 15c.

TALL DOUBLE FLOWERING

Mixed. Similar in height and form of plant to above variety except the flowers which are about two-thirds the size. Pkt. 10c.

DWARF DOUBLE. Splendid bloomers, large flowers. Fine for borders or cutting; about 1½ ft. high.

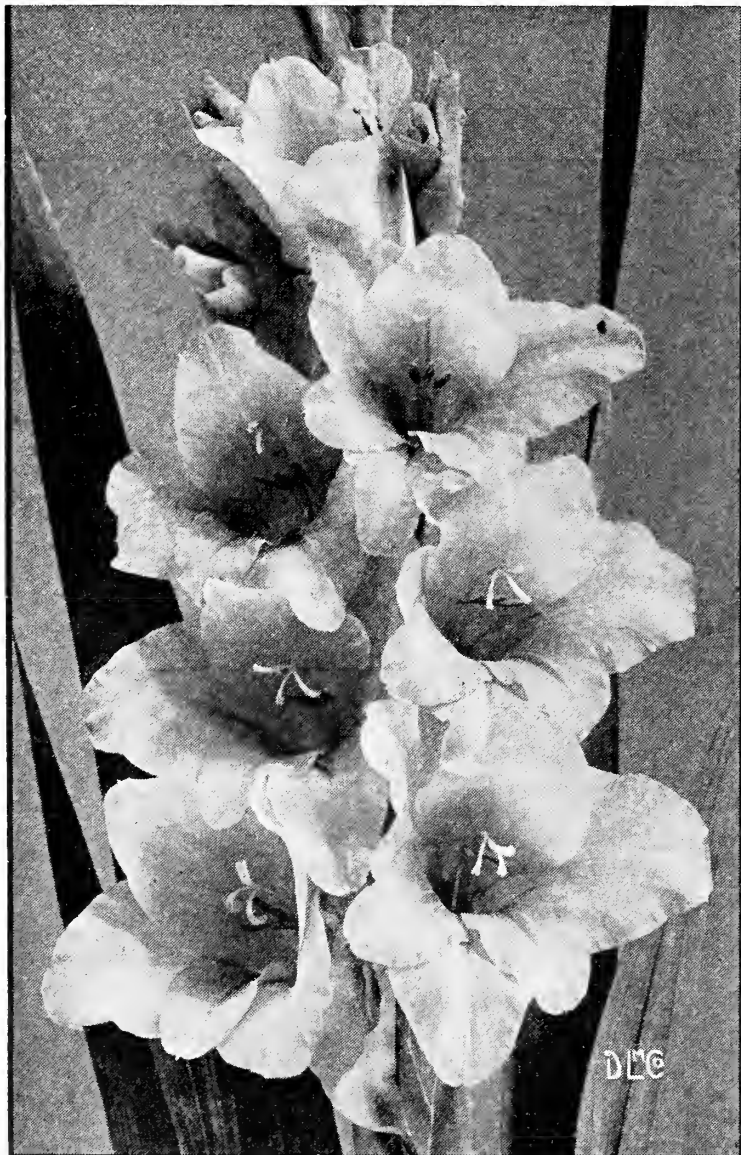
White, Rose, Scarlet, Yellow, Mixed Colors. Each, pkt. 10c.



RIBSAM'S SELECTED GLADIOLUS

Most Popular of all Summer Flowering Bulbous Plants. All First Size Bulbs. Rare and Beautiful Varieties

This flower has made wonderful strides during recent years. Its popularity today is exceeded by few other flowers and it has by no means reached its limit. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest Orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. A succession of blooms may be had from July until October by making plantings from April to July about 10 days apart.



Vanity

RIBSAM'S ARISTOCRATS OF THE GLADIOLUS FAMILY

	Each	Doz.	100
ALBANIA. Pure snow white, large, wide open flowers with beautiful, round petals.	\$0.10	\$0.80	\$5.00
CAPTAIN BOYNTON. Beautiful lavender with deeper blotch on lower petals; perfectly placed large flowers.	.15	1.40	9.00
DR. F. E. BENNETT. Peach red, overlaid with flame scarlet, throat speckled ruby and creamy white; very large flowers of great substance.	.15	1.50	10.00
ELIZABETH TABOR. Petals are delicate rosy pink on white ground, lower ones bearing a rich dark crimson blotch which terminates in a diamond of soft yellow. Flower spike very long with a number of flowers open at one time, gracefully placed.	.10	.90	6.00
ELORA. Creamy white, deeper shaded throat with carmine blotch; very early blooming.	.10	.60	4.00
LOS ANGELES. Beautiful shrimp pink with glowing orange carmine blotch in throat.	.10	.70	5.00
MAINE. Lemon yellow, turning into pure white when in full bloom; giant stems with perfectly placed, wide open flowers.	.15	1.40	9.00
MORNING GLORY. The improved "Schwabens." Color and markings are the same as that variety, clear sulphur yellow with a small, scarlet red blotch on lower petals, but its spike is far more graceful.	.10	1.00	6.00
MRS. LEON DOUGLAS. Begonia rose striped with flame scarlet, lower petal pale lemon, speckled ruby; tremendously large flowers.	.10	1.00	6.00
MR. W. H. PHIPPS. La France pink, overlaid salmon rose, lighter towards the center, lower petals faintly striped and speckled with ruby; enormous flowers.	.15	1.50	10.00
VANITY. Delicate La France pink flushed over cream ground. Very large flowers of airy, graceful type with slightly reflexed petals.	.10	1.00	6.00
VIRGINIA (Scarlet Princes). Flaming scarlet; large, massive flowers, many open at a time, making a gorgeous display of dazzling red.	.10	.80	5.00

CHOICE SELECTION OF MODERN GLADIOLUS

	Each	Doz.	100
ALICE TIPLADY (Prim.) Bright saffron orange, large, open flowers on strong, stiff stem; excellent cut flower.....	\$0.10	\$0.60	\$4.00
CARMEN SYLVA. Snow white; large, well placed flowers.....	.10	.70	5.00
CRIMSON GLOW. Glowing velvety crimson, shaded deeper in the center.....	.10	.50	3.50
EVELYN KIRTLAND. Very warm rose pink, deeper at the edges of the petals shading toward shell pink in the center, brilliant scarlet blotches on the lower petals.....	.10	.70	5.00
GOLDEN MEASURE. Pure golden yellow; very large flowers of good substance; robust grower.....	.10	1.00	7.00
HALLEY. Salmon pink with creamy yellow blotch on lower petals; very early and great favorite.....	.10	.50	3.50
HENRY FORD. Dark rhodamine purple, color very similar to Anna Eberius, but is clearer and not flaked so much; many flowers open at a time.....	.10	.80	6.00
JACK LONDON. Light salmon with vermilion stripes and canary yellow throat. Perfectly placed flowers.....	.10	.50	3.50
LE MARECHAL FOCH. Clear light pink. A shade brighter than America.....	.10	.60	4.00
MRS. DR. NORTON. A dainty "peaches and cream" color combination of white, soft pink and primrose yellow.....	.10	.80	6.00
MRS. FRANCIS KING. Flame red, shaded salmon toward throat; very tall, strong spike; an old favorite.....	.10	.50	3.50
MRS. FRANK PENDLETON. Deep rose pink shading to pale pink in throat, bright crimson blotches on lower petals.....	.10	.60	4.00
MRS. FRED C. PETERS. Fine lilac pink with purplish blotch in throat; many large flowers open at a time.....	.10	1.00	7.00
ROSE ASH or ASHES OF ROSES. Old rose overlaid and blended with pink, blue and red, giving the color of Ashes of Roses; hence its name. Large flowers on tall, strong spikes; very attractive.....	.10	.80	5.50
SCARLET WONDER. Purest deep scarlet; mammoth flowers, many open at a time.....	.10	1.00	7.00
SOUVENIR (Prim.) Purest golden yellow of all Gladiolus; large, beautifully shaped flowers on tall, slender stem.....	.10	.70	4.50



Mrs. Frank Pendleton

CHOICE SELECTION OF RUFFLED GLADIOLUS

	Each	Doz.	100
E. J. SHAYLOR. Splendid deep rose pink.....	\$0.10	\$0.60	\$4.00
FERN KYLE. Creamy white; large, heavily ruffled flowers.....	.15	1.40	9.00
MRS. H. E. BOTHIN. Geranium pink, tinted salmon, flaming scarlet center; a very striking color combination.....	.10	1.00	6.00
PURPLE GLORY. Deepest velvety maroon almost black blotches.....	.15	1.20	8.00
SCARLANO. Bright orange scarlet with blood red throat.....	.10	.70	4.00
TWILIGHT. Creamy buff, edges of petals flaked pink, throat primrose yellow and pink.....	.15	1.20	7.00

RIBSAM'S SUPREME MIXTURE

Every bulb for this mixture has been selected with the utmost care for coloring and size of flower.

Exquisite colorings are to be found in this blending of the named varieties we list. We believe this mixture to be unexcelled.

Doz. 60c., 100 \$4.00, 1000 \$35.00

RIBSAM'S CHOICE MIXTURE

A well balanced mixture comprising a wide range of color.

Doz. 50c., 100 \$3.00, 1000 \$27.00

PRIMULINUS SELECTED MIXTURE

This class of Gladiolus is quite distinct, being of slender growth and two to four spikes from one bulb. Especially valuable for vases and table decorations; very artistic shadings and markings.

Doz. 50c. 100 \$4.00, 1000 \$35.00

MISCELLANEOUS BULBS AND ROOTS

TUBEROUS-ROOTED BEGONIAS

This pretty class of Begonias is one of the most attractive of Summer flowering plants. Flowers measure from 4 to 6 inches across. Used to excellent advantage in window or porch boxes in semi-shaded places. Bulbs may be started indoors in February, March and April, and transplanted into beds as soon as all danger of frost is over, about May 20th.

Crimson **Rose** **White** **Yellow** **Mixed Colors**
Single or Double Varieties. Each 25c., doz. \$2.50.

CANNAS (Dormant Roots)

May be started indoors in March or April. These are the large flowering varieties. Green foliage except where noted.

	Each	Doz.
APRICOT. Buff and salmon shades.....	\$0.15	\$1.50
MRS. ALFRED CONARD. Beautiful large pink...	.20	2.00
KING MIDAS. Canary yellow.....	.15	1.50
THE PRESIDENT. Large, rich scarlet.....	.15	1.50
RED KING HUMBERT. Scarlet, bronze foliage.	.10	1.00
YELLOW KING HUMBERT. Golden yellow...	.15	1.50

CALADIUM or ELEPHANTS-EAR

Immense green leaves sometimes 2 feet across. Plants 5 feet high. Each 15c., doz. \$1.50.

CINNAMON VINE (*Dioscorea batatas*)

A beautiful, rapid growing Summer climber with bright green, glossy foliage and spikes of deliciously cinnamon-scented, white flowers. Each 10c., doz. \$1.00.

DAHLIAS

We have a choice lot of varieties too numerous to list, from 75c. to \$2.50 each. Send us your list. We shall be pleased to quote our prices on any of the **Novelties, Exhibition or Leading Varieties.**

Unnamed Varieties in pink, red, white and yellow. Each 15c., doz. \$1.50, 100 \$12.00.

DICENTRA (*Dielytra*)

SPECTABILIS. The old-fashioned Bleedingheart with its long racemes of graceful heart-shaped flowers. Prefers a somewhat shaded position. Extra large roots. Each 75c.



Lilium Auratum

MADEIRA VINE (*Climbing Mignonette*)

A beautiful and popular vine, covering a large space in a short time. Fleshy, heart-shaped leaves of a light green and numerous racemes of feathery flowers of delightful fragrance. Each 10c., doz. \$1.00.

HARDY GARDEN LILIES

With the exception of *Lilium candidum* which seems to prefer an open position, most Lilies thrive best when planted in a semi-shaded situation where the ground can be kept cool and moist by the protection of shrubs and a carpet of lawn grass cuttings. Planted among shallow rooting perennials or Rhododendrons, they find a congenial situation both as to soil and shelter. The bulbs should be planted from 6 to 10 inches deep, with a little sand or sphagnum moss under the base of each bulb.

	Each	Doz.
AURATUM (<i>Gold Banded Lily of Japan</i>). Ivory white, brown spots. Yellow stripe through center of petals.....	\$0.40	\$4.00
SPECIOSUM ALBUM. Pure white flowers.....	.40	4.00
SPECIOSUM MAGNIFICUM. White spotted rosy carmine.....	.40	4.00
SPECIOSUM RUBRUM. Delicate pink, spotted crimson.....	.40	4.00
REGALE. A beautiful variety, sweet-scented white. Shaded pink, tinged yellow at base.....	.50	5.00
HENRYI. This beautiful and rare variety has been called the "Yellow Speciosum," the flowers being a rich apricot yellow with a few brown spots. Grows 3 to 5 ft. high.....	.65	6.50

EXCELSIOR DOUBLE PEARL TUBEROSES

One of the most fragrant and most popular of the Summer-flowering bulbs. Easily recognized by its fragrance and beautiful flower spikes.

MAMMOTH BULBS. Each 10c., doz. \$1.00, 100 \$7.00.



Red King Humbert Canna



RIBSAM'S EVERBLOOMING ROSES

There is perhaps no plant or flower so generally cultivated today as the Rose. Its wonderful beauty and fragrance make it the most popular of flowers. For extensive grounds, small lawns, porch, trellis or hedges, Roses are used with charming effects. Many persons think it difficult to grow Roses, but such is not the case.

The following sorts are the most popular, blooming throughout the season, grown in 5- and 6 inch pots

Each \$1.00, doz. \$10.00

- | | |
|--|---|
| Caroline Testout. Satiny rose. | Killarney. White. |
| Columbia. Large pink. | Los Angeles. Flame pink, copper yellow. |
| Dame Edith Helen. Very large flower, raspberry pink | Mme. Butterfly. Soft pink, tinted yellow. |
| Duchess of Wellington. Saffron yellow. | Mme. Jules Bouche. Porcelain white, tinted pink. |
| Edel. Large white. | Mrs. Aaron Ward. Indian yellow. |
| Eldorado. Fine yellow. | Ophelia. Salmon flesh, shaded rose. |
| General MacArthur. Crimson scarlet. | Padre. Copper scarlet, base yellow. |
| Gruss an Teplitz. Rich scarlet, very fragrant. | Radiance. Bright pink. |
| Gruss an Aachen. Salmon pink. | Red Radiance. Cerise red. |
| Hadley. Deep velvet crimson. | Rose Marie. Clear rosy pink. |
| Jonkheer J. L. Mock. Large silvery rose. | Souv. de Claudius Pernet. Beautiful canary yellow. |
| Kaiserin Auguste Viktoria. Pearl white. | Souv. de George Beckwith. Shrimp pink with yellow. |
| Killarney Brilliant. Rosy carmine. | W. F. Dreer. Yellow, shaded to old rose. |

POLYANTHA or BABY EVERBLOOMING ROSES

Each \$1.00, doz. \$10.00

- | | |
|---|-------------------------------------|
| Cecile Brunner (Sweet-heart). Delicate pink. | George Elger. Bright yellow. |
| Katherine Zeimet. White. | Superba. Red. |

CLIMBING ROSES

Each \$1.00, doz. \$10.00

- | | |
|---|---------------------------------------|
| American Pillar. Single pink. | American Beauty. Carmine rose. |
| Dorothy Perkins. Pink. | Lady Ashtown. Rose pink. |
| Dr. W. Van Fleet. Delicate pink. | Mary Lovett. White. |
| Gardenia. Yellow. | Paul's Scarlet. Scarlet. |



Los Angeles

Planting and Care of Roses

Roses should be planted in good, rich soil. Dig the hole deep enough so that it can be set in the ground about 2 inches below where it was budded. That will prevent suckers from growing up from the natural root. Do not trim the root off too severely, but cut the tops off about 8 inches above the top of the ground. Pack good rich soil thoroughly around the roots, being careful not to let any compost come in contact with the roots. Keep the top of the earth thoroughly worked around the bushes the entire season. Each following Spring they should be pruned 10 to 12 inches. Always use pruning shears, as a knife has a tendency of loosening them from the earth.

Martin C. Ribsam at the Conservatory Entrance and Four Department Managers



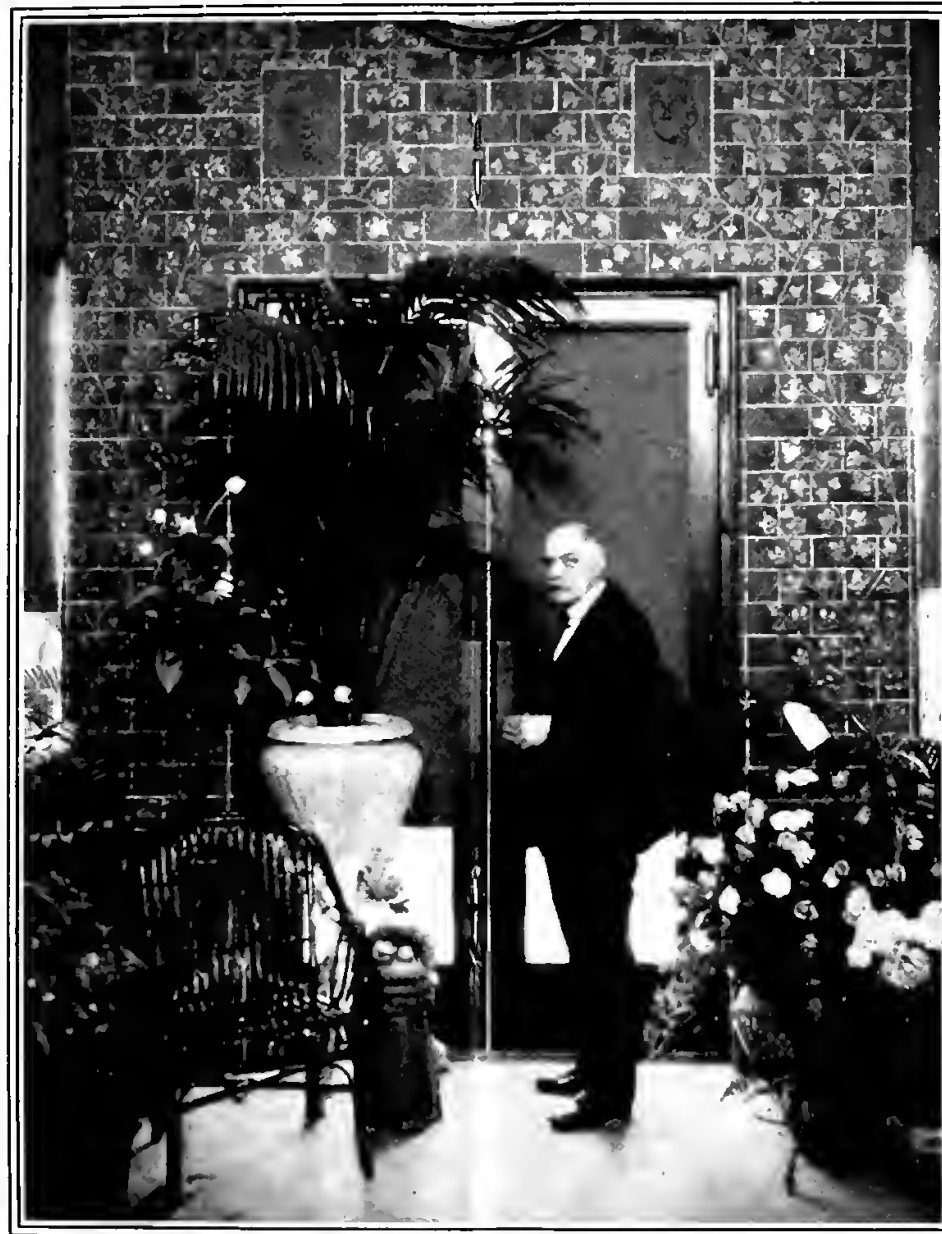
HARRY E. BLACKMON
Manager Flower Department
Lifetime artist in cut flowers and
plant decorations.



EDWARD C. BULLOCK
Manager Bird Department
Many years occupied with birds,
fishes and pets.



J. WOODRUFF HENDRICKSON
Manager Implement Department
Lifetime service in agricultural pur-
suits and machinery in all its
branches.



MARTIN C. RIBSAM
Lifetime interest in Horticultural and Agricultural pursuits in all its branches



A. FRANK HILLS
Manager Seed Department
Lifetime in horticultural pursuits
with plants, flowers and vege-
table seeds, in all its
branches.



HARDY PERENNIAL AND ROCK GARDEN PLANTS

There seems to be a greater desire to plant perennials from year to year.

We have listed a collection which will give you blossoms from early Spring until late Fall. However, we can supply many other varieties. Send us your list.

Rock gardens are yearly increasing in popularity, as rockery building is a fascinating pastime and if one has only a few square yards of ground this will be found sufficient to grow quite a variety of plants, affording a great deal of pleasure in caring for them and watching the rockery develop.

All varieties listed on following pages are 25c. each, \$2.50 per doz.

**The asterisk marks those plants best adapted to Rock Gardening*

ACONITUM (*Monkshood*)

fischeri. A dwarf variety growing 18 in. high with large, hooded blue flowers in September and October. Does well in semi-shade.

ALYSSUM (*Madwort*)

***saxatile compactum** (*Basket of Gold*). Produces masses of broad, flat heads of bright yellow flowers in May. Attractive gray foliage.

AJUGA (*Bugle*)

***reptans.** A splendid ground cover for a shady corner.

ANCHUSA (*Alkanet*)

italica. Showy dark blue flowers. Coarse foliage, about 4 ft. high and blooming in May and June.

***myosotidiflora** (*Forget-me-not Flowered*). An entirely different and distinctly dwarf species growing about 12 in. high and producing during May and April sprays of beautiful Forget-me-notlike flowers of a rich blue.

ANTHEMIS (*Marguerite*)

tinctoria. Beautiful yellow Daisylike flower with very attractive, finely cut foliage. A rapid grower about 3 ft. high, blooming nearly all Summer and especially fine for cutting.

AQUILEGIA (*Columbine*)

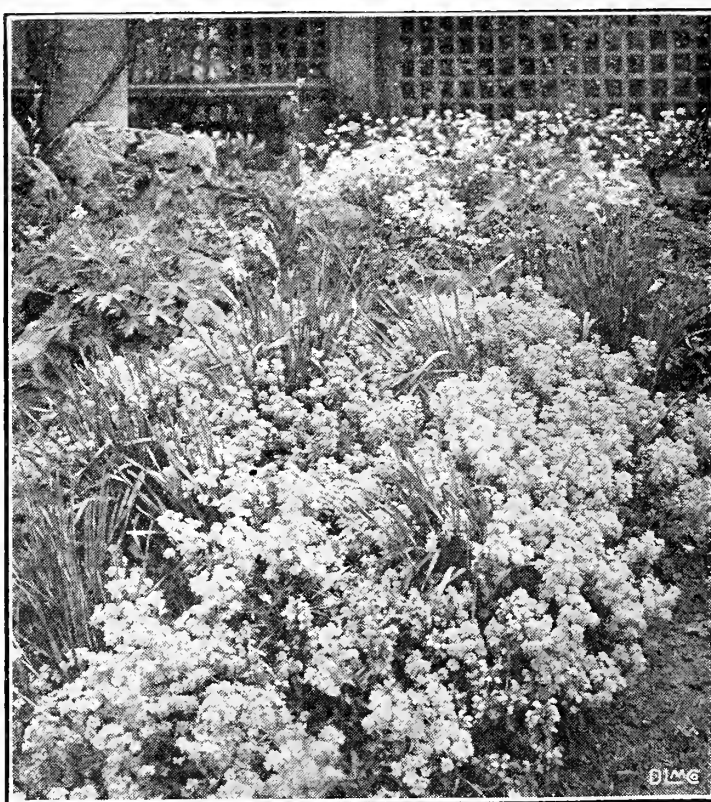
Mrs. Scott Elliott. Mixed colors of all the pastel shades, growing from 18 in. to 3 ft. high. These beautiful flowers have a fairy grace all their own and bloom in late Spring and early Summer. Foliage attractive throughout the entire season.

ARABIS (*Rockcress*)

***alpina.** A very showy white; May flowering creeper.] 9 in. April.

ARMERIA (*Thrift, Sea Pink*)

***lauchiana.** Compact tufts of grasslike foliage blooming in May and June. Has globular heads of shades in pink and also white flowers.



Alyssum saxatile compactum

HARDY PERENNIAL AND ROCK GARDEN PLANTS—
Continued**ASTER** (*Starwort or Michaelmas Daisy*)

N. A. Barr's Pink. 3½ to 4 ft. high with coarse foliage, with large bright rose flowers in September.

ASTER (*Dwarf Alpine*)

***alpinus.** A very dwarf variety with large, bluish purple, Daisylike flowers. May and June.

CALAMINTHA (*Calamint*)

***alpina.** A prostrate rock plant producing a mass of violet blue flowers in July and August.

CAMPANULA (*Bellflower*)

medium (*Canterbury-bells*). A very showy biennial rose, lilac and white.

CENTAUREA (*Hardheads or Knapweed*)

montana (*Perennial Cornflower*). A lacy, thistlelike head of a beautiful shade of blue; 2 ft. high and blooms in June and July.

COREOPSIS (*Tickseed*)

grandiflora. The very common large yellow Daisy, very good for cutting and most graceful in habit. The more it is cut the more it blooms. 3 to 4 ft. high.

DELPHINIUM (*Larkspur*)

Belladonna. Light blue spikes of flowers. 3 ft. high. Fine for cutting throughout the season.

Bellamosum. Same as above, except that it is a much darker shade of blue.

***chinense.** A dwarf variety about a foot high, having both shades of blue and also white in color. A wonderful border plant.

Hybrids. Some of these grow 5 ft. high and are of varying shades of blue with magnificent spikes of flowers.

DICENTRA (*Bleedingheart*)

***formosa.** A dwarf variety suitable for borders or rock gardening. Grows about 8 in. high and blooms profusely; rich, rose shaded lyre-shaped flowers with most attractive fernlike foliage. Semi-shade.

DIANTHUS (*Hardy Pinks*)

barbatus (*Sweet-william*). An old-fashioned favorite especially for edging borders. We offer pink beauty, dark crimson, white and mixed.

***caryophyllus** (*Hardy Carnations*). Handsome double sweet-scented flowers in separate colors of red, white, yellow and pink.

***latifolius.** This variety of Pink is similar to Sweet-william except that it is smaller as a plant, though the flowers are larger and do not grow in a flat head as do the Sweet-williams, but have a wide variation in form, being all colors and both single and double as well as fringed.

***deltoides.** This variety is a splendid rock plant, as well as a border plant. We have it in two shades, pink and red. The flowers are profuse, on wiry stems, 8 to 10 in. high and are all single and starlike, not bigger than a ten cent piece.

***plumarius.** These are the old-fashioned sweet-scented Clove Pink. Single and double varieties.

DIGITALIS (*Foxglove*)

Shirley Strain. Truly handsome spikes from 3 to 4 ft. high. Large, bell-shaped flowers closely crowded on the stalks. These are the aristocrats of the garden. Mixed colors of pinks, whites and purples with spotted throats. A biennial which self sows.

GAILLARDIA (*Blanketflower*)

grandiflora. Handsome, daisylike flowers of great variation in shades of red and yellow. Grows 2½ ft. high and blooms all Summer if kept cut.

GEUM (*Avens*)

***Mrs. Bradshaw.** Very showy rosettes of orange scarlet flowers on slender stems. Leaves rather coarse and fairly close to the ground. May and June.

GYPSOPHILA (*Babysbreath*)

paniculata. This is the favorite old-fashioned variety having tiny single white flowers of great grace and symmetry. Grows 2 to 3 ft. high and blooms in July and August. Most useful in forming bouquets with other flowers. May also be dried.

***repens.** A rockgarden variety, being a splendid creeper. In July and August it is covered with masses of tiny white flowers.

HELIANTHUS (*Hardy Sunflower*)

mollis. Very showy, yellow Sunflowers, 3 to 4 ft. high, blooming in August and September. Very good for cutting and mass effect.

HELIOPSIS (*Hardy Zinnia*)

scabra. This is a very good yellow Daisy sort of flower. Blooms throughout the Summer. 3 to 4 ft. high. Fine for cutting.

HELENIUM (*Sneezewort*)

Riverton Gem. Old gold in color, suffused with bright terracotta, changing to Wallflower red. August to October.

HEUCHERA (*Coralbells or Alumroot*)

***brizoides.** Beautiful plants for front of borders with slender, fairylike spikes of richly colored flowers. June to July.

IBERIS (*Candytuft*)

***sempervirens.** Dwarf plants about 8 in. high with evergreen foliage which is completely hidden by dense heads of pure white flowers in the Spring.

LATHYRUS (*Hardy Sweet Pea*)

latifolius. A quick climber and has every appearance of the Sweet Pea without having its fragrance. White, rose, red.

LINUM (*Flax*)

perenne. Very graceful habit and attractive foliage, covered with small, light blue flowers throughout the entire season. The flowers close about noon but are glorious in the morning again.

LIATRIS (*Gayfeather*)

***pycnostachya.** Rich purple flowers on a tall spike 3 to 4 ft. high are oddly conspicuous. Midsummer bloomer and lasts well.

MERTENSIA (*Bluebells*)

***virginica** (*Virginia Cowslip*). One of the most beautiful of the early Spring bloomers. Large, glaucous gray leaves and bears drooping clusters of clear blue flowers that fade to pink. 12 to 18 in. high. May.

MALLOWS (*Rose Mallows*)

Marvels. 3 to 5 ft. high and splendid for backgrounds and in shrubbery. Large, Hibiscuslike flowers in shades of pink and white with red or pink eyes. They like nothing better than wet feet though they adapt themselves to all soils and conditions.

MONARDA (*Beebalm or Bergamot*)

Showy plants, 3 to 4 ft. high and succeeding in any soil; has aromatic foliage and red flowers. July-August.

MYOSOTIS (*Forget-me-not*)

***alpestris.** The well known Forget-me-not in shades of blue-pink and also white. May and June and a scattering of bloom throughout the season.

NEPETA (*Italian Catmint*)

***mussini.** An excellent plant for any position but especially useful in rock gardening. Flowers are light violet blue in color and are formed in dense tufts. Blooms more or less throughout the season; beautiful, gray green foliage.

OENOTHERA (*Evening-primrose*)

youngi. A pretty, clear lemon yellow-colored flower growing 2 ft. high.

PAPAVER (*Poppy*)

***nudicaule** (*Iceland Poppy*). Dwarf, free flowering plants, bearing solitary blossoms on stems about 12 in. high. Good for cutting. Yellow, rich orange, also white. May-August.

Oriental. Large orange scarlet flowers, 2½ to 3 ft. high. Handsome, fernlike foliage in the early Spring which dies down when the plant is through blooming.

PENTSTEMON (*Beardtongue*)

Hybrids. Graceful, tapering stems covered with large, tubular white and scarlet flowers with mottled throats. 2 to 4 ft. high.

PHLOX, HARDY GARDEN

B. Comte. A very rich red or amaranth purple.

Coquelicot. Bright scarlet

Firebrand. Vermilion scarlet.

L'Esperance. Lovely orchid shade.

Mrs. Jenkins. White.

Miss Lingard. Early bloomer. White.

Sir Ed. Landseer. Bright crimson.

Pantheon. Salmon pink.

Rhineland. A little richer than salmon pink.



Papaver Oriental

HARDY PERENNIAL AND ROCK GARDEN PLANTS—
Continued

PHYSOSTEGIA (*False-dragonhead*)

virginica. Long, slender spikes closely covered with pale pink, tubular flowers. 3 ft. high. July and August.

PLUMBAGO (*Leadwort*)

***larpentae.** One of the most desirable border and rock plants. Of dwarf spreading habit, growing 6 to 8 in. high; covered with deep blue flowers during Summer and Fall months.

PRIMULA (*Primrose or Cowslip*)

***veris.** English Cowslip of mixed colors, mostly reds and yellows with shadings to pink. 8 to 10 in. May and June.

PYRETHRUM (*Painted Daisy*)

roseum. A beautiful, Daisylike flower shading from white and palest pink to richest rose and even red. 3 ft. high. May and June. Splendid for cutting.

SAPONARIA (*Soapwort*)

***ocymoides.** Pretty border plant and splendid creeper. Covered with rosy pink flowers. Late May and June bloomings.

SCABIOSA (*Pincushion Flower*)

japonica. Lavender-blue flowers on long stems from July to September. Splendid for cutting.

***SEDUM** (*Live Forever*)

We have a great many varieties of Sedum as listed below. They are all splendid ground covers for sunny, dry situations and make pleasing contrasts in foliage as they have varying colors.

***acre.** Sometimes called Love-in-tangle or Golden Moss. One of the best for planting between the stones of a walk. Yellow blooms appear along the stems in June.

***alba.** Glossy green with misty white bloom, 6 in. high in July.

***cruentum.** Flat leaves close to the ground. Has a flat head of pale pink flowers in the Summer. Foliage turns red in the Winter.

***pinus.** Something like the diminutive Pine trees; it is a gray green and very handsome, yellow flowers.

***sarmentosa.** A splendid ground cover with a slightly yellow cast. Spreads everywhere.

Kamtschaticum. This is more upright than the others and the leaves coarser. 6-8 in. high. Large, showy heads of yellow flowers in July.

***spectabilis.** This is the tallest of the Sedums, 18 in. high, with very showy heads of rose pink flowers in September.

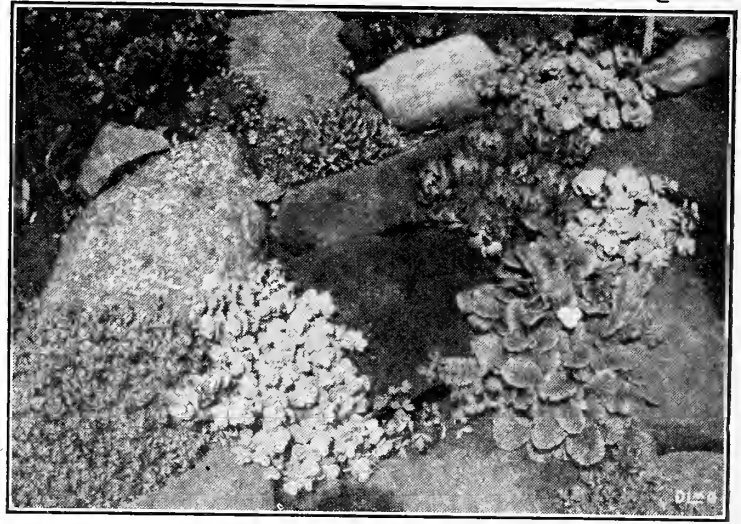
SEMPERVIVUM (*Houseleek*) (*Hen-and-chickens*)

These are evergreen succulents forming interesting rosette-like masses. Thrive in dry and sunny locations.

***arachnoideum.** Cowebby.

***globiferum.** Round and compact.

***Tectorum.** Coarser and larger.



Sedums and Primulas in Rockery

SHASTA DAISY

The large, showy white Daisy. Fine for cutting.

STATICE (*Sea-lavender*)

latifolia. Branching flower stems, 1½ ft. high, bearing countless small, blue purple flowers that retain their color after being cut and dried.

STOKESIA (*Cornflower Aster*)

***cyanea.** Large blue flowers, about a foot high. Leaves close to the ground, thick and shiny. June to October.

TRITOMA (*Red Hot Poker*)

Hybrida. Very odd flowers of an orange scarlet shade growing on spikes about 3 ft. high. Throughout the Summer.

VALERIANA (*Garden Heliotrope*)

officinalis. This is the old-fashioned, fragrant heliotrope having large heads of gray white flowers in July-August.

VERONICA (*Speedwell*)

***amethystina.** A splendid ground cover that thrives in dry places. Flowers borne on small spikes about 8-10 in. high. Blue in color. July-August.

spicata. This is a taller variety, 12 to 18 in. high. Long spikes of violet-blue flowers in June and July, also later if cut.

VIOLA (*Tufted Pansy*)

***Jersey Gem.** Showy royal purple, violetlike flowers an inch or more across. Dwarf habit and blooms continuously. Cutting helps.

EVERGREENS

Adapted for use in the rockery

	Each
Chamaecyparis obtusa nana (<i>Dwarf Japanese Cypress</i>)	\$3.00 to \$5.00
Juniperus communis (<i>Common Juniper</i>)	3.50 to 5.50
Juniperus communis depressa	2.50 to 5.50
Juniperus pfitzeriana (<i>Pfitzer's Juniper</i>)	2.00 to 7.50
Juniperus procumbens (<i>Prostrate Juniper</i>)	1.50 to 4.00
Juniperus sabina (<i>Savin Juniper</i>)	1.50 to 3.00
Juniperus suecica nana (<i>Dwarf Swedish Juniper</i>)	1.50 to 3.50
Picea gregoriana (<i>Gregory Spruce</i>)	3.00 to 7.00
Picea maxwelli (<i>Maxwell Spruce</i>)	4.00 to 7.00
Pinus mugho (<i>Mugho Pine</i>)	2.00 to 7.00
Taxus cuspidata nana (<i>Japan Dwarf Yew</i>)	3.50 to 6.00
Taxus baccata repandens (<i>Spreading English Yew</i>)	2.00 to 3.50
Thuja occidentalis (<i>Arborvitae</i>). Globe types...	1.25 to 7.50

EVERGREEN SHRUBS

	Each
Azalea macrantha and other Evergreen Azaleas	\$1.50 to \$6.00
Berberis verruculosa (<i>Evergreen Barberry</i>)	1.50 to 5.00
Cotoneaster horizontalis	1.00 to 2.50
Daphne cneorum (<i>Garland Flower</i>)	2.00 to 3.00
Euonymus patens (<i>Spreading Euonymus</i>)	2.00 to 3.50
Ilex crenata (<i>Japanese Holly</i>)	2.00 to 7.00
Leucothoe catesbaei (<i>Leucothoe</i>)	2.00 to 4.00
Pachysandra (<i>Japanese Spurge</i>)	.15c. each, \$12.00 per 100
Pieris japonica (<i>Japanese Andromeda</i>)	.each, 3.00 to 3.50

HARDY CLIMBING VINES

	Each
Ampelopsis , in variety	.40c., 50c., 75c.
Bignonia	.50c. and 75c.
Celastrus scandens (<i>Bittersweet</i>)	.50c. and 75c.
Clematis paniculata	.25c. and 50c.
English Ivy	.15c. to \$1.50
Honeysuckle	.35c. and 50c.
Wisteria . Blue or white	\$1.00

CHOICE GARDEN PEONIES

A noble flower, almost rivaling the Rose in brilliancy of color and perfection of bloom. It is perfectly hardy, the plants require no other protection than that which they afford themselves. Freedom from all diseases and insects is an important argument in favor of their cultivation.

Plant roots so that the eyes are about 2 inches beneath the surface.

	Each	Doz.
FELIX CROUSSE. Brilliant ruby red; one of the best and most popular kinds	\$.075	\$7.50
FESTIVA MAXIMA. Pure white, extra for cutting purposes	.50	5.00
KARL ROSENFELD. Very large, globular, dark crimson flowers, brilliant and striking	1.00	10.00
MME. DUCEL. Bright silvery pink with salmon shading and silvery reflex	.60	6.00
MME. EMILE GALLE. Delicate shell pink with touches of heliotrope and lavender	.60	6.00
PRESIDENT TAFT. Beautiful delicate pink, slightly splashed crimson	1.00	10.00

INSECTICIDES AND FUNGICIDES

Prices Subject to Market Fluctuations

Full directions with each package. Poisons and liquids not mailable.

ALTACIDE WEED KILLER DUSTER (Non-poisonous).
1-lb. Duster (kills 100 sq. ft. of weeds). Each 50c.
3½-lb. Duster (kills 350 sq. ft. of weeds). Each \$1.50.
 Bulk sizes for refilling Duster or for making solution.
50-lb. Drum (kills 5,000 sq. ft. of weeds). Lb. 20c.
100-lb. Drum (kills 10,000 sq. ft. of weeds). Lb. 19c.
200-lb. Drum (kills 20,000 sq. ft. of weeds). Lb. 18c.

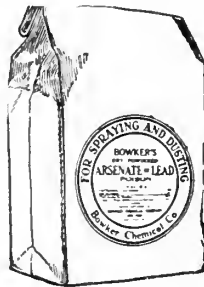
ANTROL. Ants destroyed in their nests. The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden is the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed. Prices: Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, 95c.; Antrol extra containers (each) 15c.; Antrol syrup 4-oz. bottles 45c., pints 95c., gals. \$3.75.



APHINE. Kills plant lice of every description. A strong Nicotine extract. Qt. \$1.15, gal. \$3.00.

APHIS PUNK. A nicotine paper for fumigating. Box 90c.

ARSENATE OF LEAD, BOWKER'S POWDERED. The result of 33 years of manufacturing this product; a longer experience than that of anyone else in the business. Bowker's can be used either as a spray or as a dust for all external-chewing insects. It will not burn or injure your crop. Bowker's mixes easily, stays well in suspension and is so finely divided that you get an even distribution with no trouble from clogged nozzles. Sticks to the foliage through heaviest rains. In Bowker's you obtain unusual efficiency at no additional cost. Lb. 30c., 4 lbs. 85c., 25 lbs. \$5.00, 100 lbs. \$18.00.



ARSENATE OF LEAD, Oleate Coated. Protect your trees, shrubs, Roses, etc. against the Japanese beetle by spraying the foliage with coated lead. Lb. 65c., 2½ lbs. \$1.25, 25 lbs. \$7.00, 100 lbs. \$21.00.

BLACK LEAF "40." A nicotine solution for spraying or fumigating. 1 oz. 35c., ½ lb. \$1.25, lb. \$2.50, 2 lbs. \$3.75, 5 lbs. \$7.00, 10 lbs. \$11.85.

BORDEAUX MIXTURE, BOWKER'S POWDERED. A powerful fungicide for the control of blights, rusts and rots in any crops where Bordeaux is recommended by the experiment stations or other agricultural authorities. Fine light and fluffy Bowker's Bordeaux mixes easily and completely. Hence it covers evenly and sticks well to the foliage. When bugs or worms are present use Bowker's Pyrox in place of Bordeaux as Bordeaux contains no poison. Lb. 35c., 4 lbs. \$1.00, 25 lbs. \$5.25, 100 lbs. \$20.00.



BORDEAUX ARSENATE OF LEAD MIXTURE. A very excellent remedy for Apple and Pear trees, Potatoes, Melons and Cucumbers. It will keep Roses free of mildew, black spot and insects of all sorts. Lb. 35c.

CRO-TOX BIRD AND RODENT REPELLENT. The guaranteed protection against seed pests. Cro-Tox is non-poisonous. Cro-Tox will in no way injure seed. Cro-Tox protects all smooth surface seeds from crows, doves, larks, blackbirds, starlings, pheasants and other seed pulling birds and animal pests. Protect your seed Corn during the period when it is most easily damaged, by ridding your crop of crows and other Corn pulling birds and animals. It saves loss of seed and labor of replanting.

Large Can (enough for 2 bu. of seed Corn), \$1.50.

Small Can (enough for 1 bu. of seed Corn), \$1.00.



COPPER SULPHATE. Used for early spraying and the making of Bordeaux. Lb. 20c. (Prices upon request on large quantities).

CYANOGLAS

CYANOGLAS A-DUST. For the positive control of rats, mice, moles, groundhogs, ants, fleas and other pests. ½ lb. tin 45c., 1-lb. tin 75c., 5-lb. tin \$3.00, 25-lb. tin \$10.00, 100-lb. drum \$30.00.

(**Hand Duster, Small.** For applying Cyanogas A-Dust to rat and woodchuck holes, also mole runways. Provided with flexible extension tube to facilitate application of dust in rodent control work. This duster may also be used with any insecticide dust by removing the extension tube. Each \$1.00).

CYANOGLAS G-FUMIGANT. For greenhouse and mushroom fumigations, wireworm control, bulb fumigation and all general fumigating purposes. In the greenhouse, ounce per 1,000 cubic feet will control aphids, white fly, soft scale and thrip. 5-lb. tin \$3.00, 25-lb. tin \$10.00, 100-lb. drum \$30.00.

FUNGTROGEN. Conquers mildew and black spot on Roses and diseases of other plants. Assures luxuriant foliage and bloom. ½ pt. 75c., pt. \$1.25, qt. \$2.00, ½ gal. \$3.50, gal. \$6.00.



GRAPE DUST. Kills mildew indoors and out; also mites and mold. 5 lbs. 85c.

HELLEBORE. Destroys insects and worms on Currant vines, Roses and shrubs. ¼ lb. 20c., ½ lb. 35c., lb. 60c.

JAPANESE BEETLE TRAPS AND BAIT. The sure way of killing the beetle. Traps, 30c., 75c. and \$1.50 each. Bait, 10c., 30c., 50c. per can, lb. \$1.50, 5 lbs. \$5.00.

LIQUID LIME AND SULPHUR. In neat cans with full cultural directions. Qt. 45c., gal. \$1.00. In bulk: Gal. 40c., can extra. In barrel lots, 25c. per gal. No charge for barrel.

LIME AND SULPHUR POWDER. Lb. 30c., 5 lbs. \$1.25, 10 lbs. \$2.00, 25 lbs. \$4.25, 50 lbs. \$8.00, 100 lbs. \$14.00.

MO LO. A preparation for destroying and driving away moles. Pkg. 25c.

NICOFUME, Liquid. An effective vaporizing liquid. ¼ lb. 85c., lb. \$2.25, 4 lbs. \$6.50, 8 lbs. \$12.00.

NICOFUME PAPER. Made from high-grade nicotine solution. Hang up and light and it will destroy green fly, thrips and all insects destroyed by tobacco. 24 sheets \$1.35, 144 sheets \$5.50.

PARIS GREEN. Used for potato bugs and other eating insects. ½ lb. 30c., lb. 55c., 5 lbs. \$2.50, 14 lbs. \$5.00.

PLANT SPRAY, WILSON'S O. K. A powerful, yet safe and efficient contact insecticide for general outside or greenhouse spraying. Controls box-mite, thrips, leaf hopper, psylla, aphid, midge, currant worms, spruce gall, lace wing fly and many other insects found attacking flowering plants, ornamental shrubs and trees. Qt. \$1.00, gal. \$3.00, 5 gals. \$12.00, 10 gals. \$20.00, 30 gals. \$57.00, 50 gals. \$90.00.

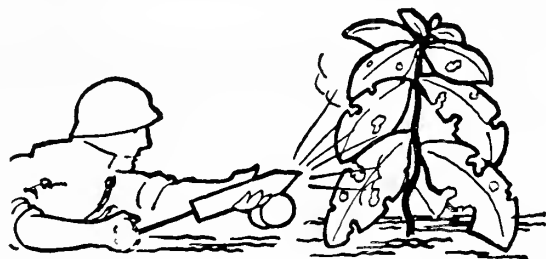
WHY BUGS LEAVE HOME



TRADE MARK REG.

P. T. B. (PARA-DICHLORA-BENZENE). A successful remedy for peach tree borers. Lb. can 50c., 5 lbs. \$2.00, 10 lbs. \$3.50.

INSECTICIDES AND FUNGICIDES—Continued



Pyrox
REG. U. S. PAT. OFF.
TRADE MARK REGISTERED

The Powerful Triple-duty Spray—Kills Bugs, Controls Disease, Increases Yields. Declare War on these 31 Bugs

Thirty one kinds of bugs and worms are trying to make a *free lunch* of your garden. Declare war on them! In the battle against these bugs, mankind has always been on the losing side. Savages, animals, diseases, have been conquered. But since Pharaoh's time, when the locusts over-ran Egypt, the bugs have been winning. There are more insect pests today than ever before.

Science has now given us a perfected weapon to fight the plague of insects. It is Nicotine Pyrox—Pyrox which has enjoyed the favor of growers for 30 years, treated with nicotine. Never before have gardeners been able to get one spray that will destroy the 31 kinds of bugs and worms that menace vegetables, fruits, shrubs and flowers. No longer need the home gardener study complicated spray manuals—one spray will do all the work—Nicotine Pyrox.



If you have but a single Rose bush, or a dozen Tomato plants, you need Nicotine Pyrox. No need to bother with crude, messy, ineffective sprays. Nicotine Pyrox is all you need to kill both sucking and chewing bugs, control blights and other diseases and stimulate plant growth.

Small Size (enough to make 2 gals. of spray), 50c.

Large Size (enough to make 8 gals. of spray), \$1.75

REGULAR PYROX differs from Nicotine Pyrox only in that it has not been treated with nicotine, and consequently will not kill aphid or sucking insects. Many farmers will wish to continue using Regular Pyrox to kill chewing insects, control disease and increase yields. Users of Regular Pyrox for the past 30 years have obtained results which prove the value of this powerful spray. When used for vegetables and small fruits, it frequently increases yields 20 per cent and more. It is indispensable for hardy and vigorous foliage, even when there are no evidence of bugs or blight.

Pyrox is easy to use. Just mix with water in accordance with directions and in two minutes you will have a perfect mixture which will spray like mist through the finest nozzle.

Lb. 50c., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$6.25, 50 lbs. \$10.75, 100 lbs. \$15.50, 300-lb. bbl. \$43.50.

Use Regular or Nicotine Pyrox for all Vegetables, Small Fruits and Flowers

Will rain wash it off? Try it and see.

RAT NIP. Sure death to rats, mice, roaches, water bugs gophers, etc. Full directions. Tube 35c.

RED "A" SOAP. Is a liquid neutral potash cocoanut oil soap containing 39 to 40 per cent dry soap. It may be used with any liquid contact insecticide except those containing arsenical compounds. It is scientifically and practically compounded, therefore meets the growing need for a miscible and easily soluble soap. Pt. 60c., qt. \$1.00., gal. \$3.00.



RED ARROW. Non-poisonous spray. Oz. bottle 30c., ¼ pt. tin \$1.00., ½ pint tin \$1.75, qt. \$6.00, gal. \$22.00.

SCALECIDE. Spray during Winter or early Spring when trees are dormant; cultural directions on cans. Qt. 75c., gal. \$1.75. In bulk, gal. \$1.00, cans extra; in bbls., 75c. per gal.

SNAROL. Quickly kills garden pests—cut worms, sowbugs, grasshoppers, slugs, snails, earwigs, etc., are exterminated. Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed. Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. 1-lb. packages 45c., 3-lb. packages 95c., 15-lb. bags, \$3.50; 50-lb. bags, \$9.50.



SLUG SHOT. Sure death to the Cabbage worm. It destroys all other insects also. Lb. carton 20c., 5 lbs. 60c.

SULPHUR, POWDERED. Used on steam pipes in paste form or for spreading on Roses for mildew. Lb. 10c., 100 lbs. \$5.50.

TOBACCO DUST. For fumigating. Lb. 25c., 10 lbs. \$2.40, 25 lbs. \$5.00, 100 lbs. \$18.00.

TOBACCO POWDER. Lb. 10c., 25 lbs. \$1.75, 100 lbs. \$5.50.

TOBACCO STEMS. Used for fumigating, for covering lawns to furnish ammonia and drive away insects and moles. Lb. 10c., 5 lbs. 30c., 10 lbs. 50c., \$2.50 per 100.

TREE TANGLEFOOT. A sure remedy against caterpillars, gypsy moths and other insects which climb the trunk of a tree. Lb. 50c., 3 lbs. \$1.45, 10 lbs. \$4.50.

VOLCK. A refined oil emulsion that may be used on foliage with entire safety. Effectually controls scale, mealy bug, white fly, red spider, aphids, thrips, etc. Does not discolor foliage, but rather imparts a bright, glossy appearance. 1 gal. makes from 32 to 100 gals. of spray solution. ½ pt. 50c., pt. 75c., qt. \$1.00, gal. \$3.00, 5 gals. \$12.00.

WEED KILLER, WILSON'S. A clean, odorless, highly concentrated liquid, offering a ready, thorough and inexpensive method of killing weeds or any other undesirable plant growth. Simply dilute with water, 1 gal. making 40 to 50 gals., sufficient to cover 800 sq. ft. Recommended for roadways, paths, stone gutters, tennis courts, etc. Qt. 75c., gal. \$1.75, 5 gals. \$6.75, 30 gals. \$33.00, 50 gals. \$50.00.



WHALE or FISH OIL SOAP. Used during Summer as wash; stimulating to the plant and prevents the spread of scale. Lb. 25c., 5 lbs. \$1.10, 25 lbs. \$4.50.

STIMUGERM

(Legume Inoculation)

The best inoculation for all legume seeds—means better crops, better soils, less fertilizer expense.

What Stimugerm Jelly Is

Stimugerm Jelly is a pure culture of nitrogen fixing bacteria, selected for maximum vitality and ability to transform nitrogen from the air into soluble nitrates and deposit them in the soil. Every bottle is dated and guaranteed for 1 year. Prices are low.

For Alfalfa and Clovers—small seed varieties: ¼ bus. unit 35c., ½ bus. unit 60c., 1 bus. unit \$1.00, 2 ½ bus. unit \$2.25.

For Soybeans, Cowpeas, Vetch Peas and Beans, etc.—large seed varieties: ½ bus. unit 35c., 1 bus. unit 60c., 2 bus. unit \$1.10, 5 bus. unit \$2.25.

Special garden size for Garden Peas, Beans and Sweet Peas 25c.

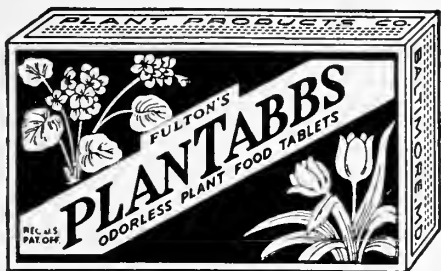
When ordering, be sure to state what crops you wish to inoculate, also number of bushels you will sow.

FERTILIZERS

Prices Subject to Market Fluctuations

You will be assured

BEAUTIFUL GARDENS, LOVELY HOUSE PLANTS
by using the new, improved, quick dissolving
Fertilizer Tablets



No waste, no weeds, no run-off, uniform feeding, easy to use, immediate fertilization, economical. Guaranteed analysis: Nitrogen, 11%, phosphoric acid, 15%, potash, 20%, being the most concentrated plant food tablets on the market.

30 tablets 25c., 75 tablets 50c., 200 tablets \$1.00,
1000 tablets \$3.50

FULTON'S
PLANTABBS
ODORLESS PLANT FOOD TABLETS

ADCO. Artificial manure is made with straw or other vegetable waste mixed with Adco, the bacterial food. Is clean and repels flies. Turn your garden waste into real manure. 25-lb. bag \$2.00, 150-lb. bag \$10.50.

BONEMEAL. Good for stock feeding. Lb. 7c., 25 lbs. \$1.50, 100 lbs. \$4.50.

DRICONURE
Dehydrated Cow Manure and
PEAT MOSS
Soil Improver

The ingredients are just manure from high protein fed cows and quality peat moss functioning as a humus making material and a reservoir for soil moisture. The composition is about 35 parts of peat moss and 65 parts cow feces—no straw, shavings or trash. It analyzes almost equivalent to a 2-1-2 fertilizer, embodying the desirable properties of humus.

Packed only in 50-lb. bags. Driconure is bulky, about 3 bushels weighing only 50 lbs. That's why it goes much farther. Bag \$2.50.

GARDEN AND TRUCK (3-10-6). Lb. 5c., 25 lbs. \$1.00, 100-lb. bag \$3.00.

HAY DRESSING (20-3-0). Very good for dressing hay crops. 25 lbs. \$1.50, 100 lbs. \$4.50.

Hyper-Humus
TRADE MARK REGISTERED

HYPER-HUMUS. Nature's product for enriching lawns, soil for all kinds of gardening and for stimulating potted plants. Used in making fine lawns, especially where soil is poor. 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.50.

LAWN FERTILIZER, RIBSAM'S. It is far superior to lump, straw manure, which disfigures the lawn with filthy materials, and is less expensive than manure. It contains no weed seeds found always in manure and which are the pests of the lawn. This is so prepared that it acts gradually through the season, producing a luxurious growth of rich green grass. It may be applied at any time during the Spring or early Autumn, or as often as the grass seems to need nourishment. 1 lb. to 10 sq. ft., or 1000 lbs. to an acre. Bag of 10 lbs. 50c., 25 lbs. \$1.00, 100 lbs. \$3.75, ton \$65.00.

NITRATE OF SODA. Fertilizer for rushing a growing crop. 5 lbs. 45c., 10 lbs. 80c., 25 lbs. \$1.50, 100 lbs. \$5.00, ton \$85.00.

POTATO FERTILIZER (4-8-10). Lb. 5c., 25 lbs. \$1.00, 100 lbs. \$3.00.

PURE GROUND BONE (Ammonia 4½%). Good for all kinds of fertilizing. Lb. 5c., 25-lb. bag \$1.00, 50-lb. bag \$2.00, 100-lb. bag \$3.50.

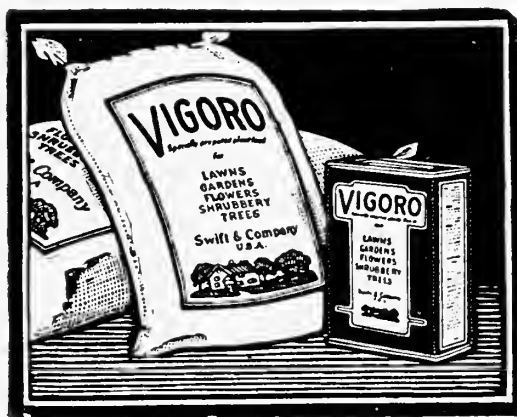
SHEEP MANURE. A safe fertilizer for all crops. 5 lbs. 25c., 10 lbs. 45c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.25, ton \$52.50.

STEAMED BONE (Ammonia 3%). A quick acting bone. Lb. 5c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.25.

TRENTON LAWN AND SHRUB MIXTURE (5-12-10)

is the best. It is not odorless, which in itself is a guarantee that this mixture contains organics making it a slow feeder, which will not force such as a chemical or odorless plant food. Too much forcing causes the lawns to burn or turn brown.

10 lbs. 60c., 25 lbs. \$1.40, 50 lbs. \$2.50, 100 lbs. \$4.50



VIGORO
Specially prepared plant food

Complete Plant Food for Lawns, Flowers and Vegetables
Add beauty to your home. Now you can have the lawn, flowers and garden you have always wanted.

Good seed and plants, proper care and the use of a balanced plant food are essential. Protect your investment by using the complete plant food Vigoro on everything you grow.

Vigoro is clean and odorless. You can sow it like grass seed and the cost is only 10c. to 20c. for every 100 square feet
5 lbs. 50c., 25 lbs. \$1.75, 50 lbs. \$3.00, 100 lbs. \$5.00

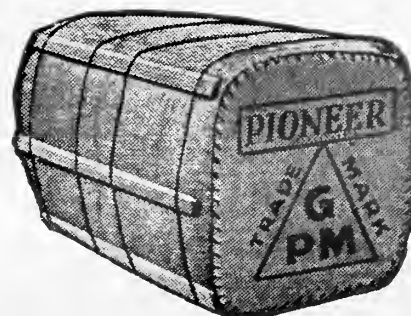
Prices on ton lots and over on application

PEAT MOSS
TRADE MARK
G P M

Used extensively for garden purposes. Takes the place of manure and is absolutely free of weed seeds, fungus, and other undesirable elements.

Great soil conditioner—corrects sandy or clayey soils and makes them produce much better plants.

Maintains moisture content of soil. Also used as a Summer and Winter mulch for complete protection. Full size bale, 20 bus. \$3.00, ½ bale \$2.00, 25 lbs. \$1.00.



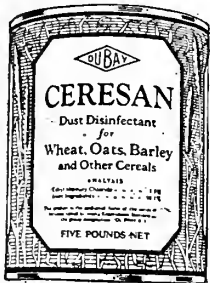


SEED DISINFECTANTS

Control Seed-borne Diseases of Farm Crops
 Stimulate Germination - Improve Stands
 Generally Produce Increased Yields of Higher Quality

CERESAN

for seed treatment of small grains



PRICES

8 oz.	\$.50
1 lb.	.75
5 lbs.	3.00
25 lbs.	12.50
100 lbs.	49.00
300 lbs.	144.00

Ceresan has proven effective in controlling such seed-borne diseases as bunt or stinking smut of wheat; stripe disease of barley; loose and covered smuts of barley and oats and covered kernel smut of sorghum. It is the only dust treatment which has successfully controlled these destructive grain diseases. Ceresan does not injure the seed nor the grain drill. Only 2 oz. of Ceresan required per bushel of wheat, rye or sorghum and 3 oz. for barley and oats. Easy to apply, economical to use.

SEMESAN BEL

for seed white and sweet potatoes



PRICES

4 oz.	\$.50
1 lb.	1.75
5 lbs.	8.00
25 lbs.	31.25
100 lbs.	120.00
300 lbs.	345.00

Simply mix, dip, drain, dry and your seed potatoes are ready for planting. Semesan Bel may be used on either whole or cut seed pieces. Semesan Bel effectively controls such seed-borne disease organisms as scab, rhizoctonia and black-leg. By controlling these diseases, germination is generally increased, stand improved and the resultant crop bigger and of better quality. One pound treats 60 to 80 bushels of seed. Du Bay Semesan succeeds the products sold as Du Pont Semesan Bel and Bayer Dipdust.

SEMESAN JR.

for seed field and sweet corn

Semesan Jr. is especially effective in controlling seed-borne infections of diplovia, Gibberella and Basiporium, without harming the seed embryo in the least. Its use protects the seed from rotting in the ground and makes possible earlier planting which generally results in increased yields. Improved germination, better stands, control of certain diseases, increased yields are the benefits which thousands of farmers are reaping, at a cost of less than 3c. an acre. Succeeds the products sold as Du Pont Semesan Jr. and Bayer Dust.



PRICES

4 oz.	\$.50
1 lb.	1.75
5 lbs.	8.00
25 lbs.	31.25
100 lbs.	120.00
300 lbs.	345.00

SEMESAN

for flower and vegetable seeds



PRICES

2 oz.	\$.50
1 lb.	2.75
5 lbs.	13.00
25 lbs.	56.25
100 lbs.	220.00
300 lbs.	645.00

Semesan may be applied in dust or liquid form to the seed before planting. It is harmless to the seed but deadly to disease organisms that may be on the seed. Semesan is such a powerful and effective disinfectant that seed treatment with it is ridiculously low in cost, ranging from 1/4c. to 1c. per pound of seed. One ounce treats 15 lbs. of seed. Effective in controlling damping off and such devastating gladiolus diseases as hard rot and scab. Du Bay Semesan succeeds the products sold as Du Pont Semesan and Bayer Uspulun.

Du Bay Seed Disinfectants, like many agricultural chemicals, are poisonous in nature and owing to present Postal Regulations cannot be sent through the mails but must be sent by express or freight.

Treat All Seeds Before Planting with Du Bay Disinfectants

Coldwell Dependable Power Lawn Mowers

HAND, HORSE, GASOLINE POWER

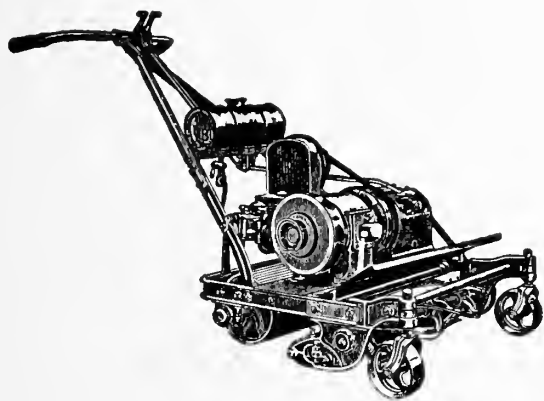
The name Coldwell has stood for the highest standard in lawn mower construction since Thomas Coldwell built the first American lawn mower in 1867.

The Coldwell Lawn Mower Company is the fourth largest lawn mower manufacturer confined exclusively to the production of lawn mowers of quality and type of machine suitable for every requirement of small and large lawn, parks and golf courses.

Coldwell Power Mowers are all equipped with steel roller which packs and levels the soil which helps to retain the moisture and a better grown lawn is had with continuous cutting and rolling at same time.

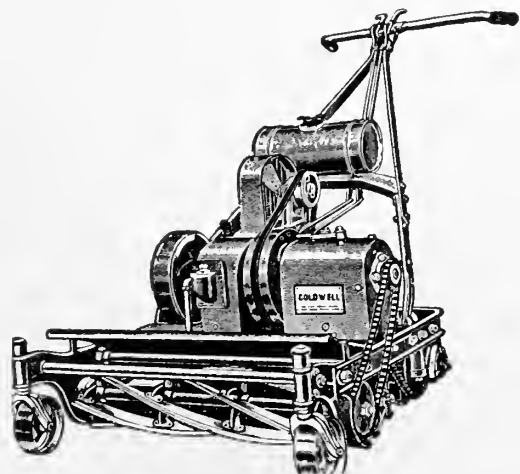
Coldwell Power Mowers are very desirable for rolling the lawn early in Spring.

All prices subject to change with market conditions



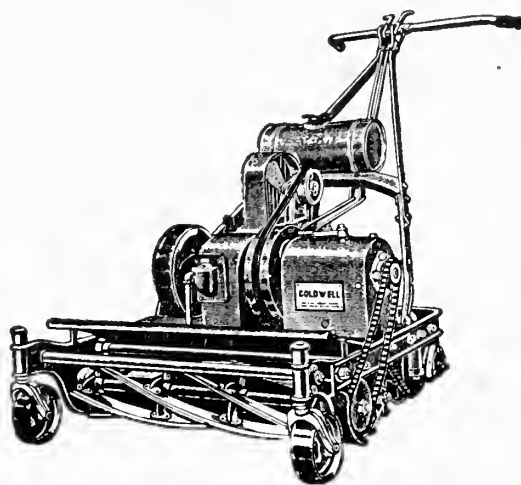
COLDWELL "CUB"

An ideal small type of power mower and roller; just the nicest mower for small lawns. 21-inch cut, 1½ h.p. engine. \$195.00, f.o.b. factory.



COLDWELL "L" JUNIOR

A medium size high grade power mower and roller. 25-inch cut, 1½ h.p. engine. \$275.00, f.o.b. factory. Grass box, \$12.00.



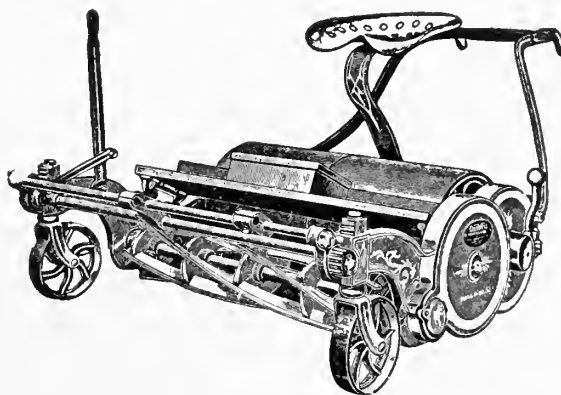
COLDWELL "L" TWIN

Nothing better can be had for a large lawn. 25-inch cut, 5 h.p. engine. \$350.00, f.o.b. factory. Grass box, \$12.00. Riding sulky, \$20.00.

Units can be attached to this mower to make it cut 60 inches. \$410.00.

TWIN 30

The same type of mower and roller as Twin L. 30-inch cut, 5 h.p. engine, just the mower for a large estate. Cut 6 to 8 acres per day. \$400.00, f.o.b. factory. Grass box \$15.00. Riding sulky \$20.00.



COLDWELL HORSE LAWN MOWER AND ROLLER

It is acknowledged as the standard of quality, being used in many parks and golf links, this mower and roller is complete with seat, shafts and side draft attachment. 35-inch cut. \$145.00, f.o.b. factory.

Hand Lawn Mowers, Trimmer and Cleaner

COLDWELL DEPENDABLE HAND LAWN MOWERS

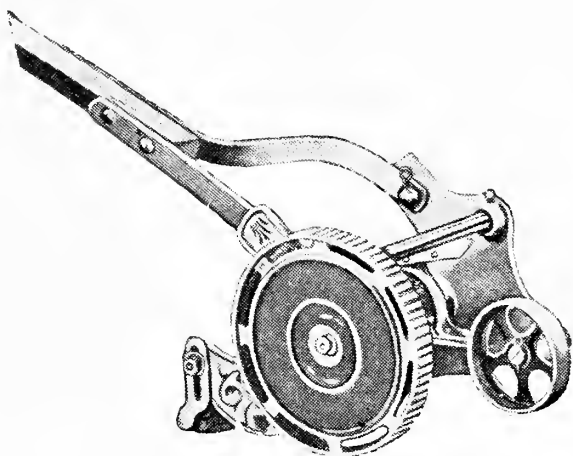
We carry the largest and best assortment of Lawn Mowers in our city.

EXPERIENCE.—Ours is of the practical kind. We will be pleased to suggest one to suit your needs whether you have a small lawn or a large one,

In our judgment we can save the purchaser money or an unnecessary overweight mower.

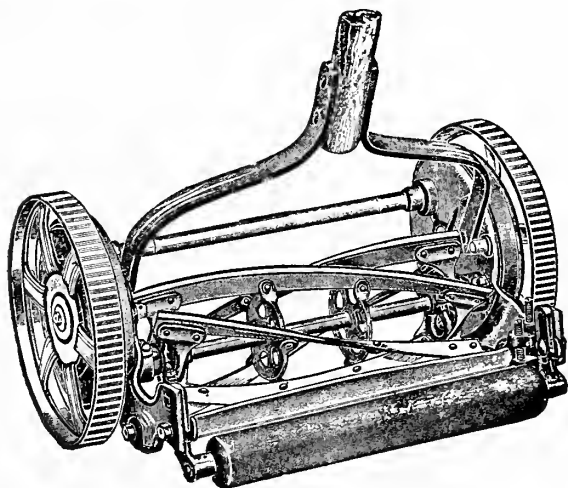
The Coldwell line of mowers has been on the market for the past 60 years. Best material and workmanship enter into their mowers.

We will warrant any mower from Coldwell to give satisfaction.



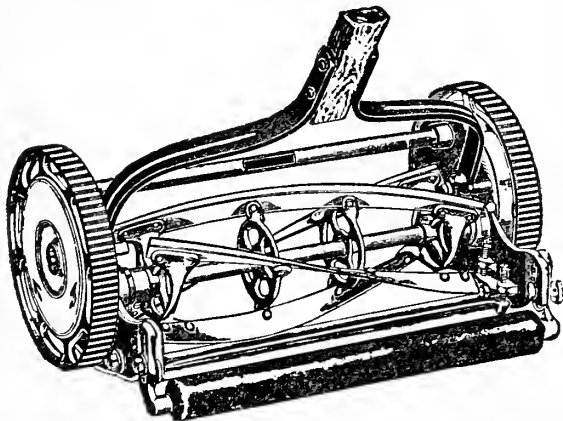
COLDWELL LAWN TRIMMER

This Trimmer is made to meet the demand to cut grass close to a building or border. Price \$9.50.



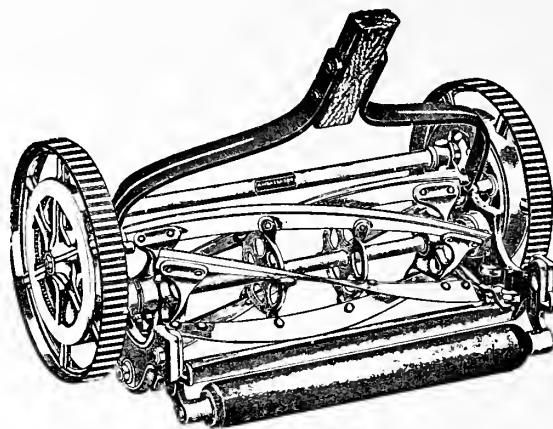
COLDWELL "IMPERIAL ROLLER BEARING"

Designed to meet the demands of large lawns, park and cemetery work; 5 blades, triple pawl ratchet in each drive wheel, dirt proof gear case, Timkin bearings, self-oiling; 10 in. wheels, six-spoke, open style. Best mower for hard service. Easy running machine. 16 in. \$19.00, 18 in. \$20.00, 20 in. \$21.00.



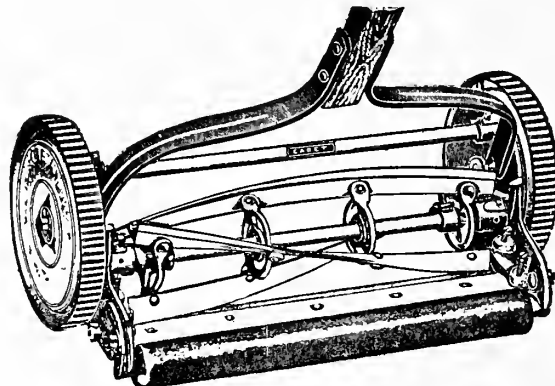
COLDWELL'S "LAKEWOOD"

It is a medium priced, ball bearing mower, adapted for medium size lawn. Very serviceable. 14 in. \$10.75, 16 in. \$11.50, 18 in. \$12.50.



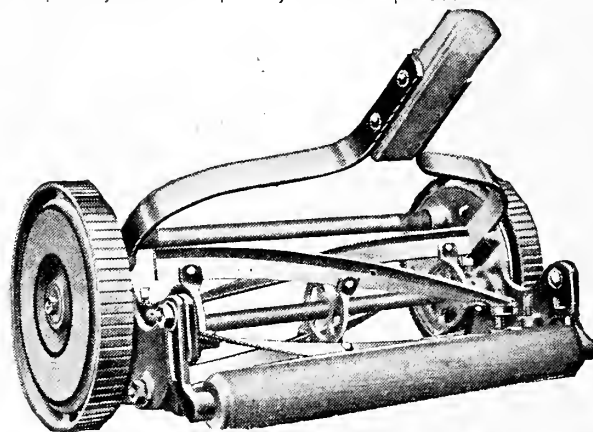
COLDWELL'S "AMBASSADOR"

A high grade, lightweight lawn mower. Positively the best five-blade, 10-inch-wheel ball bearing machine made. 14 in. \$12.50, 16 in. \$13.50, 18 in. \$14.50.



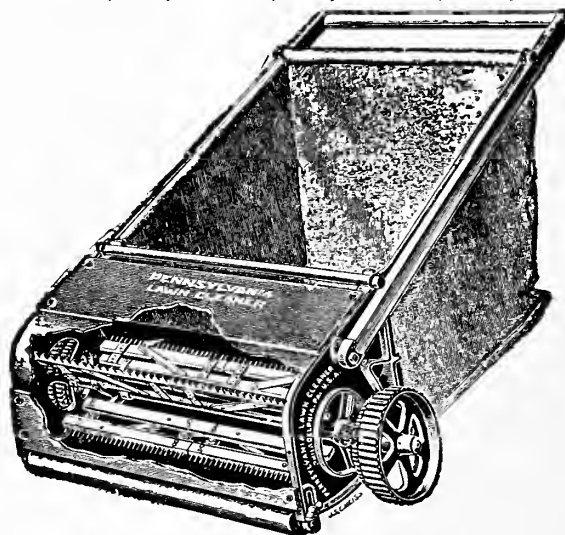
COLDWELL "CADET"

A good serviceable mower for a small lawn. Price 10 in. \$5.40, 12 in. \$5.90, 14 in. \$6.40.



COLDWELL "COLONIAL"

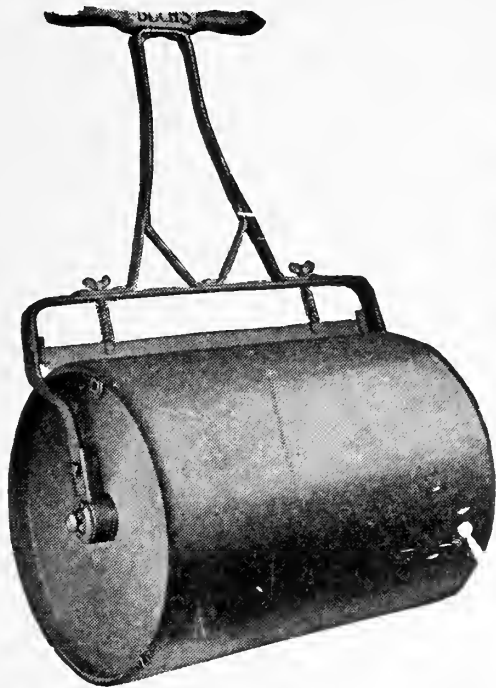
Meets demand for a lightweight, ball bearing, easy running machine. One of the best for terrace mowing. Workmanship on this machine is fine. Wheels 8 in. high. 12 in. \$9.00, 14 in. \$9.75, 16 in. \$10.25, 18 in. \$11.



LAWN RAKE AND CLEANER

24 in. \$32.00 :: 36 in. \$45.00

Garden Rollers, Grindstones, Water Pots and Wheelbarrows



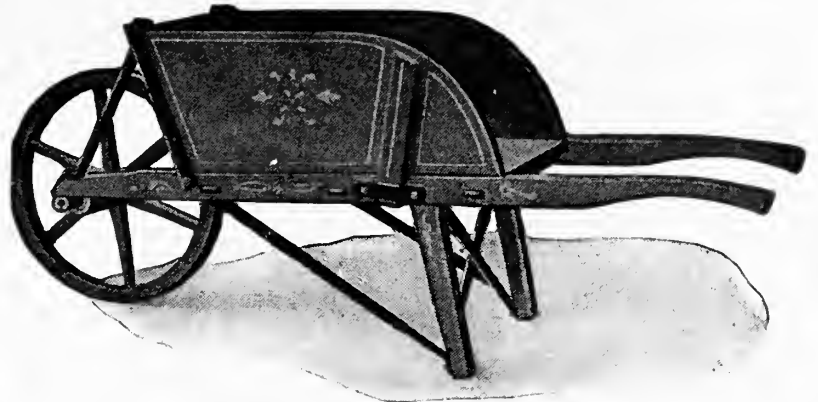
WATER BALLAST ROLLER (Roller Bearing)

With this roller you can vary your weight as desired, all the way from 90 lbs. to 800 lbs.

	Dia.	Empty	Full	Price
No. 602,	18x24 in.....	85 lbs.	330 lbs.	\$16.50
No. 603,	24x24 in.....	100 lbs.	440 lbs.	18.50
No. 604,	24x32 in.....	135 lbs.	590 lbs.	22.00

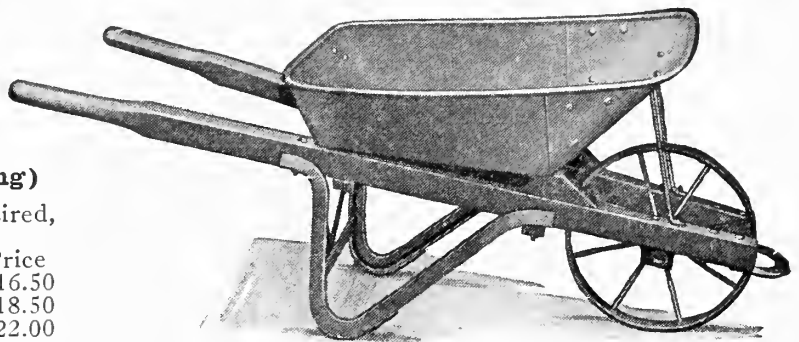
WATER BALLAST ROLLER (Plain Bearing)

	Dia.	Empty	Full	Price
No. 605,	14x24 in.....	60 lbs.	250 lbs.	\$12.50
No. 606,	18x24 in.....	95 lbs.	330 lbs.	14.50



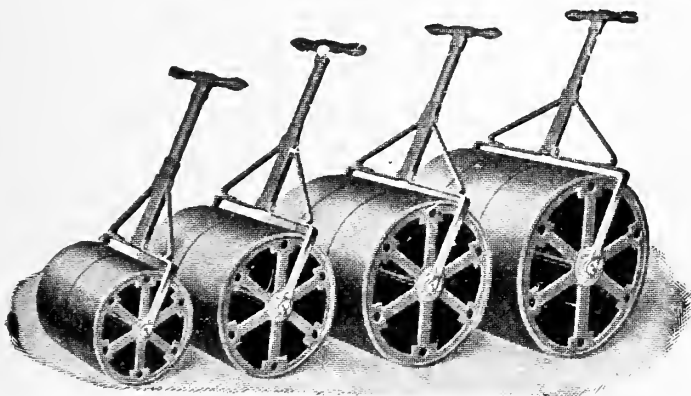
GARDEN BARROW

In four sizes, \$5.50 to \$9.50, different sizes.



CONTRACTOR'S STEEL TRAY BARROW

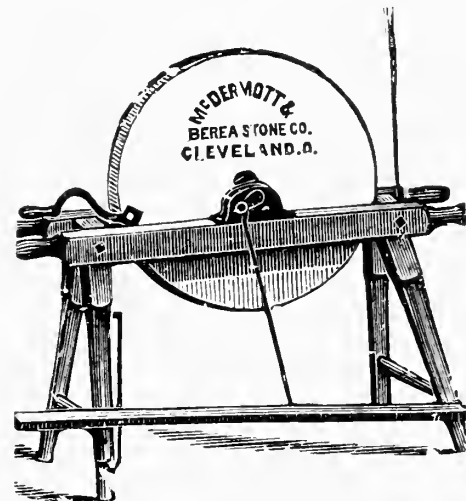
\$5.00 to \$9.50



ROLLER BEARING LAWN ROLLER

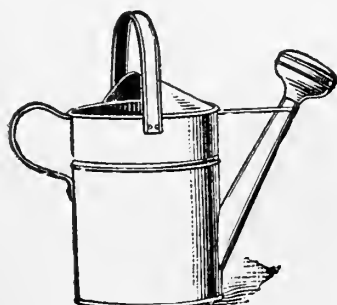
Winter thawing and freezing heaves the ground and loosens the roots of the grass—the roller packs it back and preserves. Constant rolling eradicates moles. In offering you this roller bearing lawn roller we do so with the utmost confidence in it for easy draft, light weight and durability.

	Dia.	Lbs.	Price
No. 504,	20x20 in., two sections.....	250	\$23.50
No. 507,	20x24 in., two sections.....	300	28.50
No. 509,	24x20 in., two sections.....	400	37.50
No. 511,	24x24 in., three sections.....	500	42.00



GRINDSTONES

\$8.00 up.



Galvanized Pot

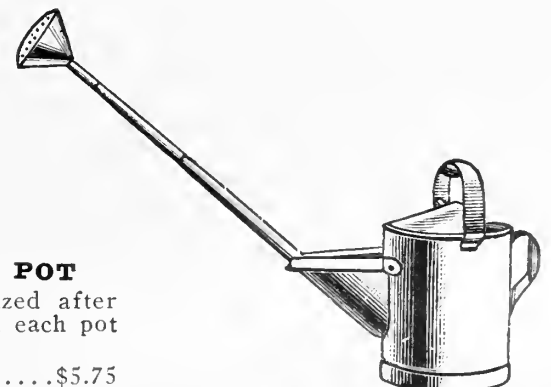
WATERING POTS
Extra Strong—Galvanized Iron

4 qts. (2 lbs.).....	\$0.85
6 qts. (3 lbs.).....	.95
8 qts. (4 lbs.).....	1.10
10 qts. (4 lbs.).....	1.25
12 qts. (4 lbs.).....	1.40
16 qts. (5 lbs.).....	1.65

WOTHERSPOON'S WATERING POT

Made from best quality iron and galvanized after being made. Two copper-faced roses go with each pot for fine and course watering.

4 qt.....	\$4.50	10 qt.....	\$5.75
6 qt.....	5.00	12 qt.....	6.30
8 qt.....	5.25		



Wotherspoon Pot

GARDEN REQUISITES



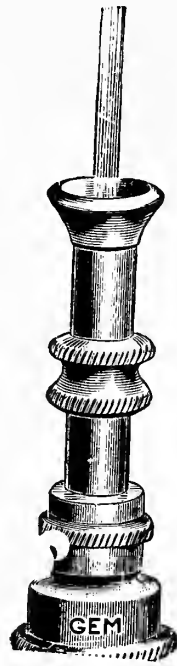
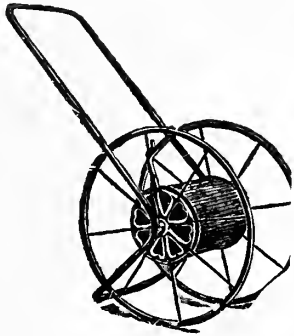
RUBBER HOSE

For lawn, garden and street use. We carry a complete line of hose in all lengths, the best grades that will give good service and which we know will give satisfaction. Our best grade hothouse hose will last for years. Different grades, 10c., 12c., 15c. and 20c. per foot. All made in Trenton.

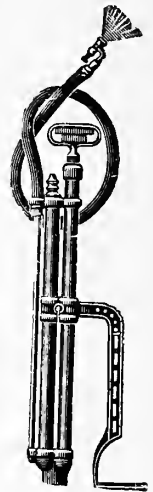
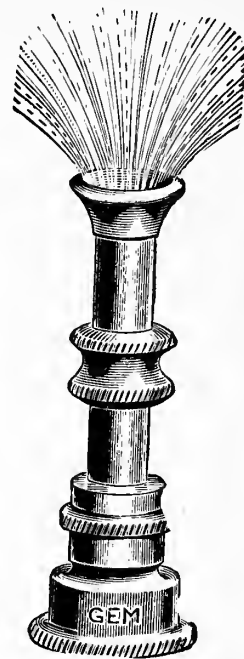
HOSE REELS

A garden which requires 50 ft. of hose also requires one of our all-iron hose reels. They are light, durable and frictionless, and will not tip over.

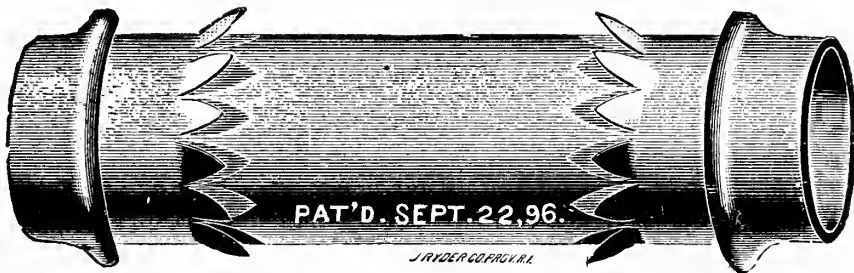
- Iron wheel.....\$2.25
- No. 10, 21 in. wheel, holds 100 ft. of 1 in. hose..... 4.75
- No. 20, 24 in. wheel, holds 200 ft. of 1 in. hose.... 5.75
- No. 30, 30 in. wheel, holds 500 ft. of 1 in. hose..... 9.00



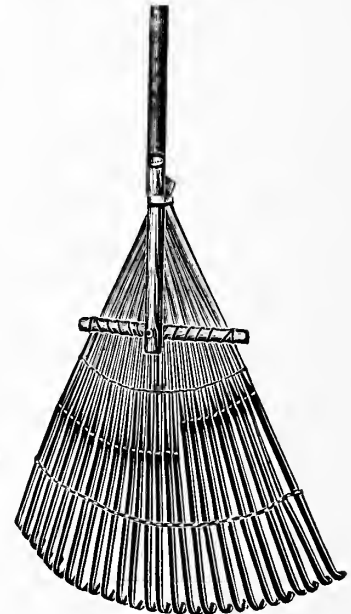
Hose Spray Nozzle, 75c. Up



Myers Bucket, \$4.50



3-4 INCH COPPER HOSE MENDER, 10c. each



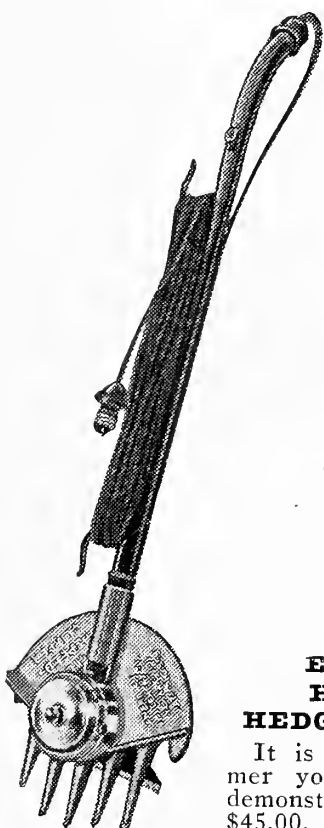
BAMBOO BROOM RAKE
Of the very best quality. 18 in. 60c., 24 in. 80c., 30 in. \$1.25.

STEEL BROOM RAKE
\$1.25



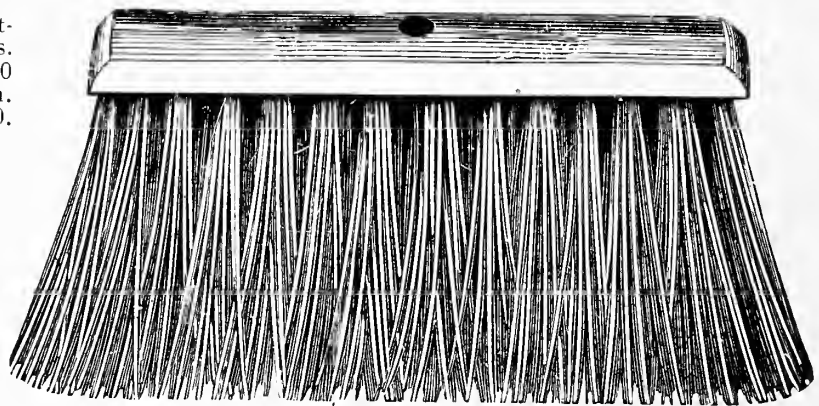
LITTLE WONDER HEDGE TRIMMER

Excellent machine for cutting new growth of hedges. 30 in. cutting bar, \$25.00; 40 in. cutting bar, \$27.50; 30 in. cutting bar with wheel, \$29.50.



ELECTRIC HI-SPEED HEDGE TRIMMER

It is the fastest trimmer you ever saw; we demonstrate it to you. \$45.00.



PUSH BROOMS
For walks and driveways, \$1.25 to \$1.50 each.

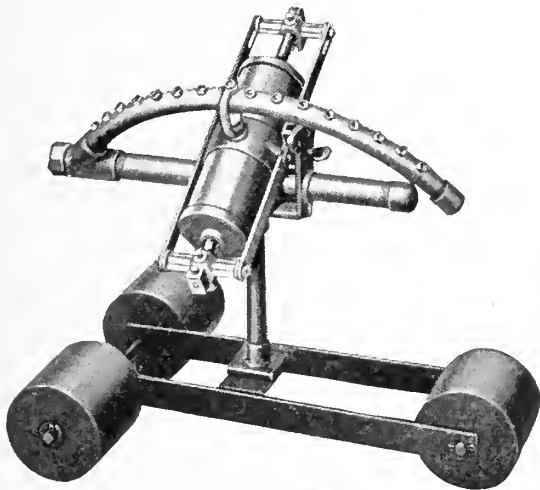
LAWN SPRINKLERS

SKINNER SYSTEM OF IRRIGATION—Overhead and Underground Sprinkling Equipment

Overhead Irrigation Line covers a space 50 ft. wide. Furnished in any length. Operates on 25 lb. pressure. Automatic or hand turn. Prices on request.

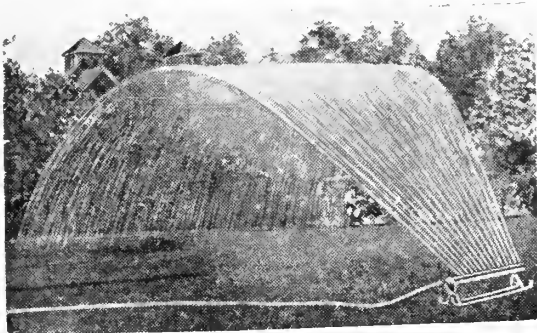
CONCEALED IRRIGATION.—Pipe lines buried in ground. Head covers circle 20 ft. diameter. Full data furnished when buying heads.

- P. S. Type pop-up head.....\$6.00
- No. 3 Type pop-up head..... 2.50
- No. 1 Stationary head..... 1.00



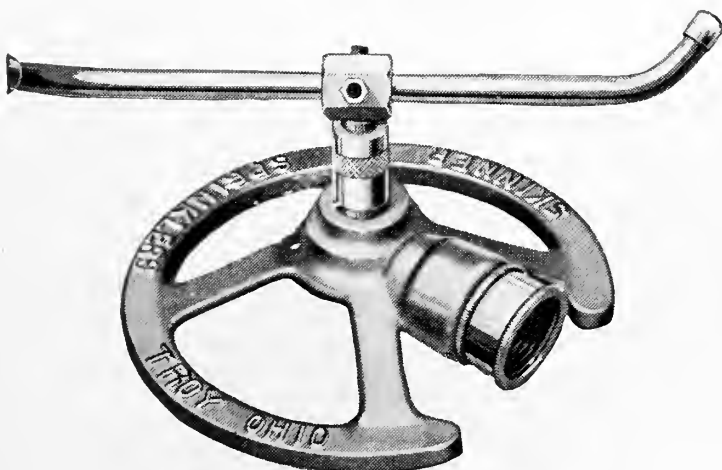
RAIN WAVE

Rain Wave Sprinkler. Covers a space 50 to 60 ft. square. Complete and ready to use. Operates on 25 lbs. pressure. Weight 17 lbs. Price, \$35.00.



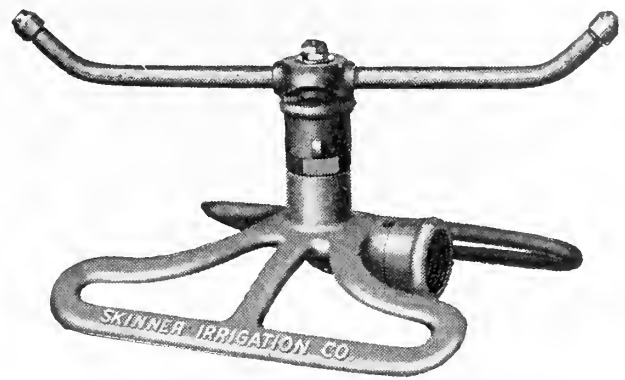
WATER FAN

The WATERFAN embodies every worth while feature of lawn and garden irrigation, *fine gentle sprays, even rainlike distribution, wide coverage, dependability and durability.* \$16.50 each.



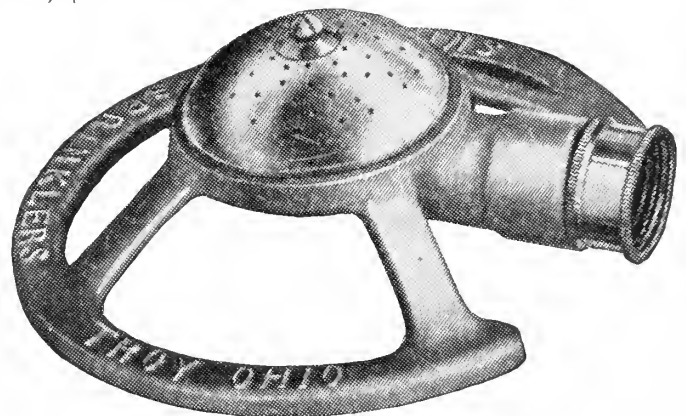
GRASS GROWER SPRINKLER

Will cover a 50 ft. circle. Nozzles and arms of brass. A reliable sprinkler with exceptionally good water distribution. Price, \$2.00.



MOR-RAIN SPRINKLER

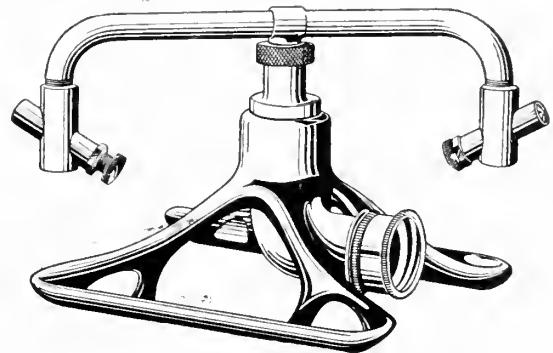
A double duty sprinkler. Half turn of central head this sprinkler is converted into a half circle sprinkler. Tobin Bronze bearings used. A long life sprinkler. Price, \$3.00.



LAWN LIFE

The water streams are fine and cover circles up to 35 ft. in diameter. It is the kind of spray that makes grass grow like magic.

If you have an ordinary size place and want a sprinkler that will give years of satisfactory service, invest in a Lawn-Life. 95c.



WHIRLING SHOWERS

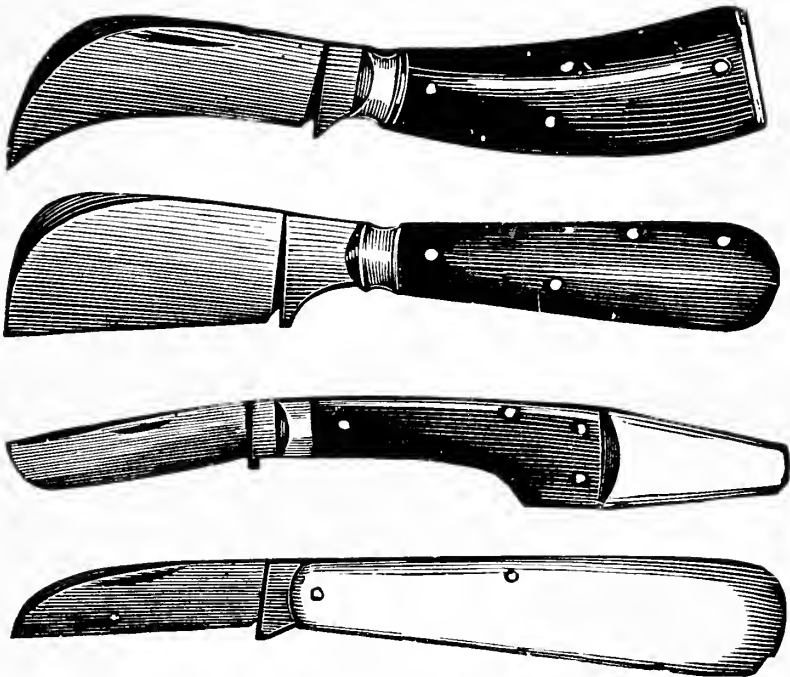
A revolving lawn sprinkler with bronze roller bearings. Nozzles are adjustable for volume of spray and variable for distance. All working parts are brass; base is practically unbreakable malleable iron, with standard brass hose coupling. Each \$2.75.



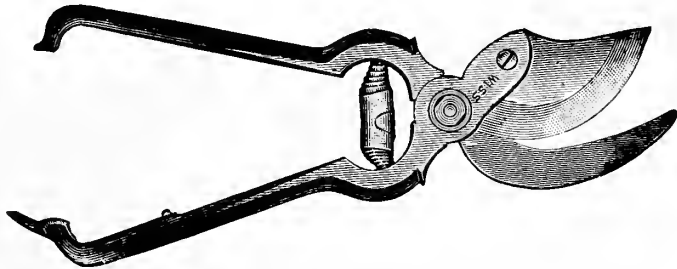
SOLID BRASS SPRINKLERS

Full Circle, 85c.

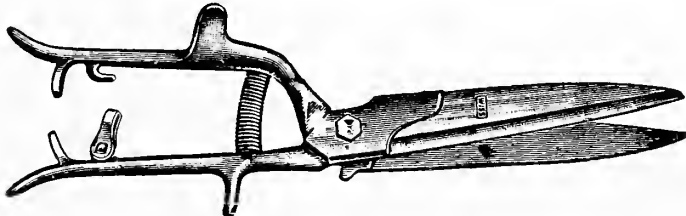
GARDEN SUNDRIES



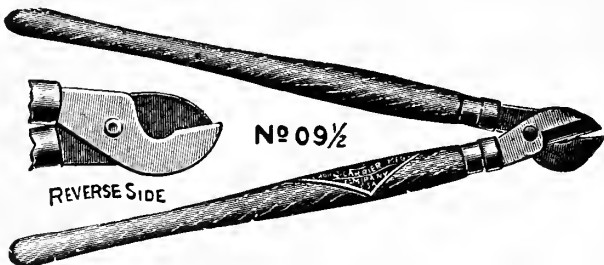
Budding and Pruning Knives, 75c. to \$4.00



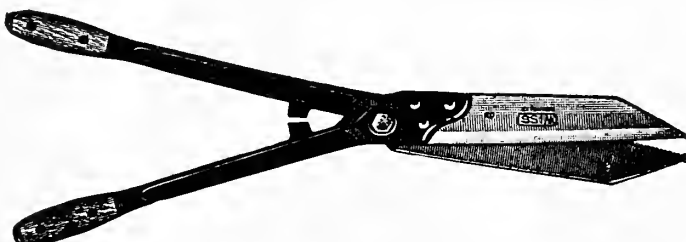
Pruning Shears, 65c. to \$3.50



Grass Shears, 65c. to \$1.50



Lopping Shears, \$1.50 to \$4.50



Hedge Shears, \$1.25 to \$4.50



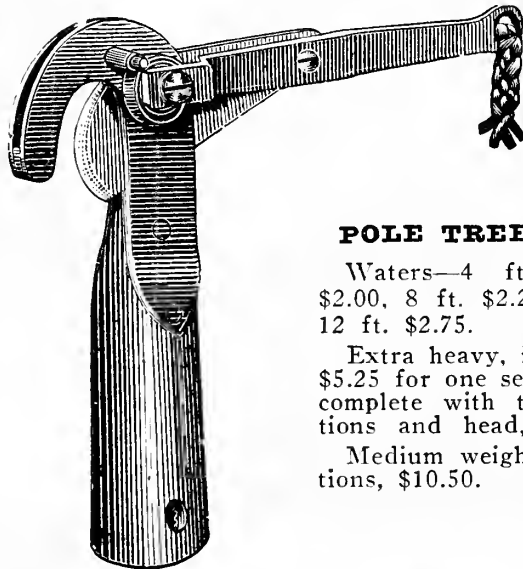
Whet Stones, Pikes, 15c. to 35c.



Sickles, 65c. to 75c.



Brush and Grass Scythes, \$1.35 to \$2.50
SCYTHE SNATHS, \$1.75 to \$2.25



POLE TREE PRUNERS

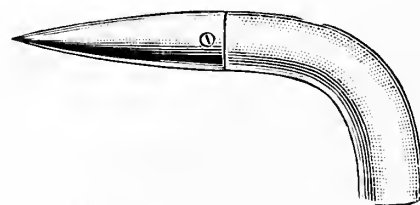
Waters—4 ft. \$1.75, 6 ft. \$2.00, 8 ft. \$2.25, 10 ft. \$2.50, 12 ft. \$2.75.

Extra heavy, in 6 ft. sections, \$5.25 for one section with head; complete with three 6 ft. sections and head, \$14.50.

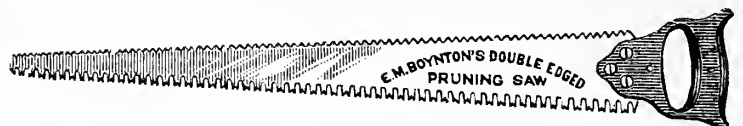
Medium weight in 2-6 ft. sections, \$10.50.



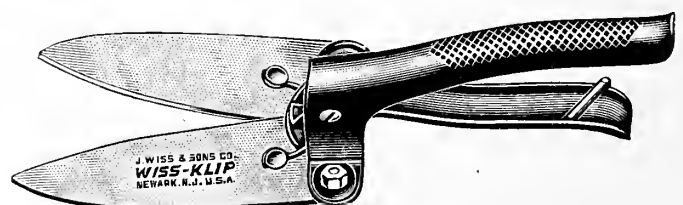
Edging Shears, \$4.00 to \$4.75
Edging Shears, with wheel, \$5.50 and \$6.50



Dibble, 75c. to \$1.25



Pruning Saws, \$1.50 to \$4.00



The New Wiss-Clip Grass Shears

Hardened steel blades, non-slipping knurled handles, gun metal finish; easy action does not tire wrist; can be resharpened. \$1.50 each.

SPRAYERS AND CRYSTAL DUSTER



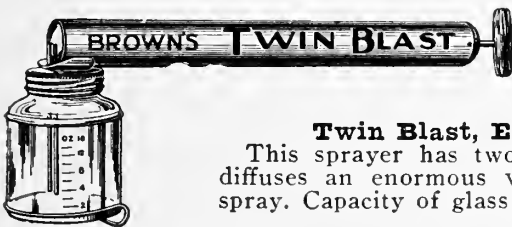
No. 9 B, Brass
Each \$9.50
No. 9 D, Galvanized
Each \$6.75

The No. 9 is an excellent 4-gallon compressed air sprayer for all spraying. Has brass or galvanized corrugated tank with screw locking device. Guaranteed to 90 lbs. pressure.



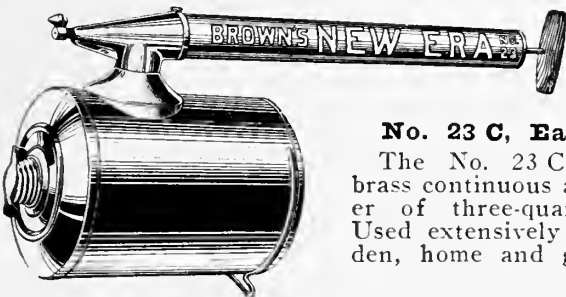
No. 26 AG, Each \$1.25

A glass tank continuous acting sprayer for all insecticides, disinfectants, moth sprays, etc. Valuable around the home. Capacity one quart.



Twin Blast, Each 75c.

This sprayer has two spray jets and diffuses an enormous volume of misty spray. Capacity of glass tank, one quart.

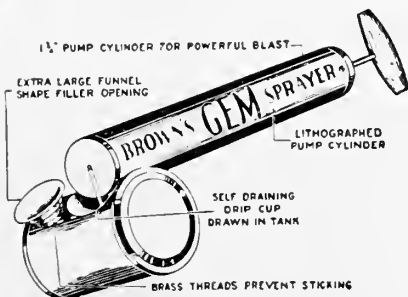


No. 23 C, Each \$3.45

The No. 23 C is an all-brass continuous acting sprayer of three-quart capacity. Used extensively in the garden, home and greenhouses.

Brown's Gem, Each 35c.

A half-pint single acting atomizer for spraying fly oils, germicides, etc. Made entirely of heavy tin plate.



Brown's Crystal Duster, Each \$1.30

The Crystal Duster is an efficient dust gun with strong glass container. Volume of dust expelled is controlled by force used in pumping. Long extension enables operator to dust from underneath.



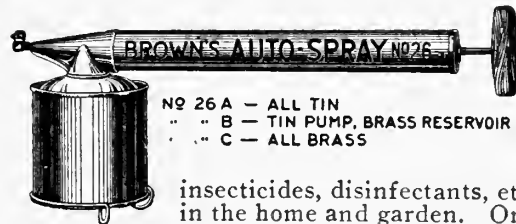
No. 50 B, Brass, Each \$8.75
No. 50 D, Galv., Each \$5.80

A compressed air sprayer of 2 1/2-gallon capacity made with either a brass or galvanized steel tank. Will handle all spraying solutions and is used extensively for spraying shingle stain. Fully equipped with hose, automatic shut-off non-clog nozzle and 18-inch brass angle extension.



Brown's Chemical Sprayer, Each \$5.50

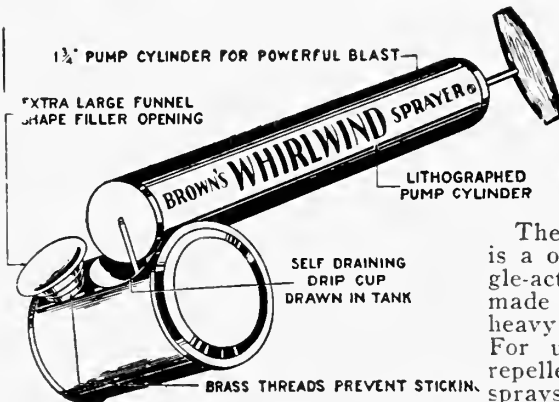
This sprayer is especially useful for spraying floor oils, chemical solutions, etc. Nozzle is adjustable for any spray from fine mist to solid stream. Capacity 1 1/2 gallons.



Brown's No. 26 C, Each \$1.75

No 26 A - ALL TIN
" " B - TIN PUMP, BRASS RESERVOIR
" " C - ALL BRASS

An all-brass continuous acting atomizer for spraying all insecticides, disinfectants, etc. Handy for use in the home and garden. One quart capacity.



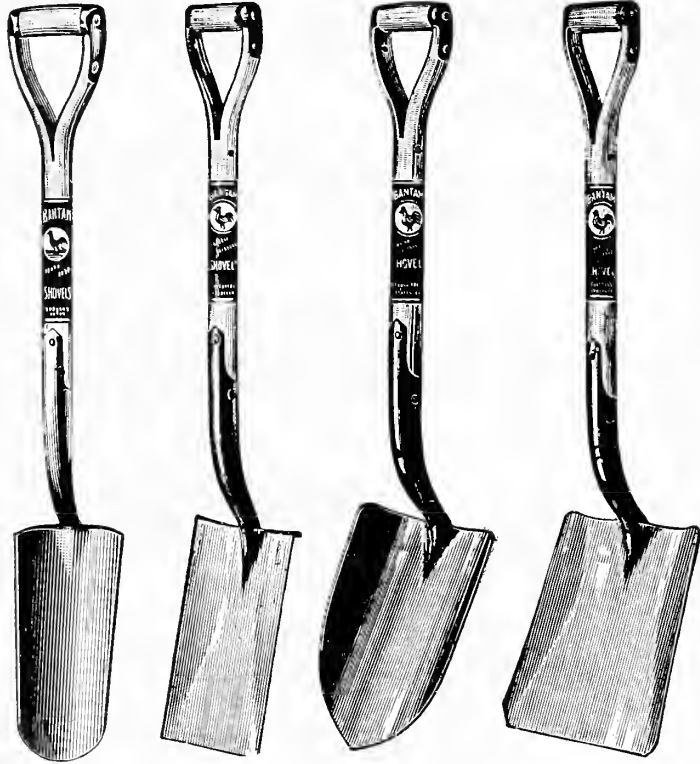
Brown's Whirlwind, Each 50c.

The Whirlwind is a one-quart single-acting atomizer made entirely of heavy tin plate. For use with fly repellents, moth sprays, germicides, etc.



12 Gallon Sprayer on Wheels, \$22.50

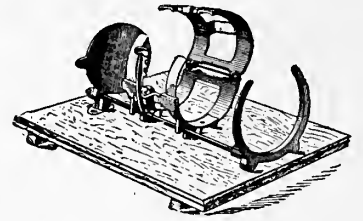
GARDEN REQUISITES



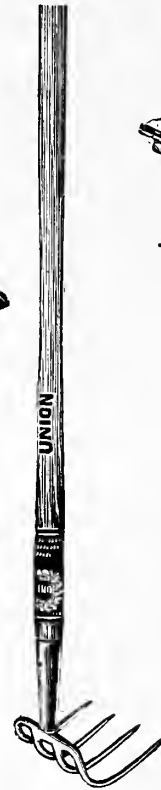
Flexsteel Solid Shank Shovels and Spades, \$1.50 Each



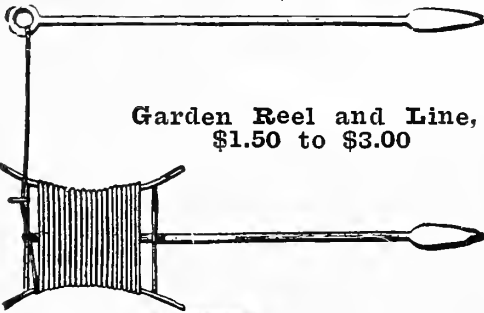
Steel Rakes, 90c. to \$1.50



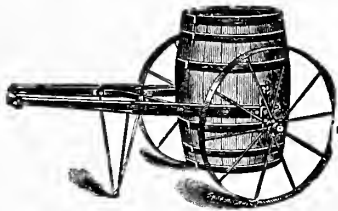
Asparagus Bunchers \$4.50 to \$8.50



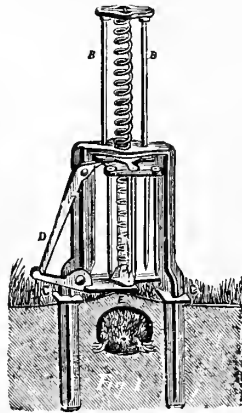
Speedy Cultivator 95c. each



Garden Reel and Line, \$1.50 to \$3.00



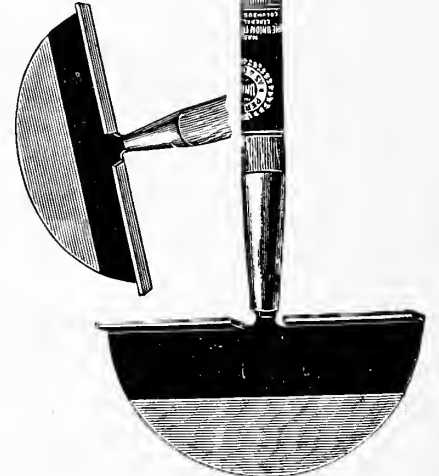
Cart and Barrel, 3 in. Tread, \$18.00



Mole Traps, \$1.25 to \$2.00



Asparagus Knife 45c. each



Grass Edgers, \$1.25 up



\$1.25 to \$1.50



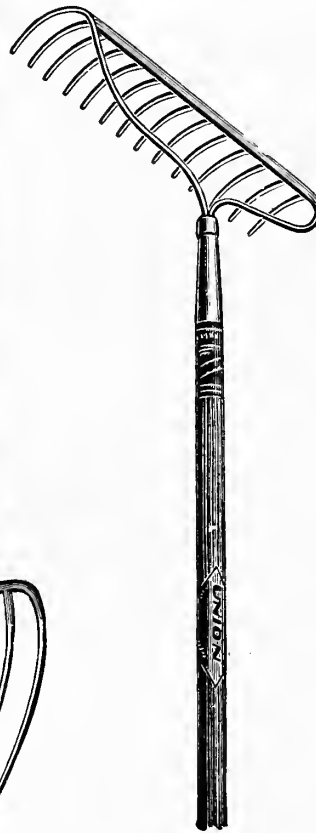
75c. to \$1.40



\$1.25 to \$2.75



\$1.60 to \$2.75



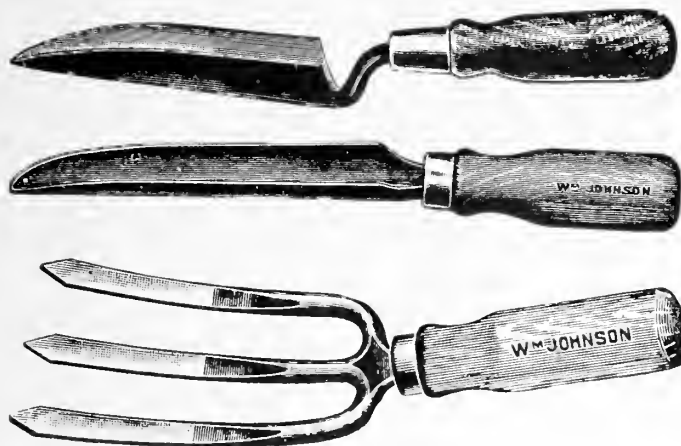
\$1.15 to \$1.50



60c. to \$1.25

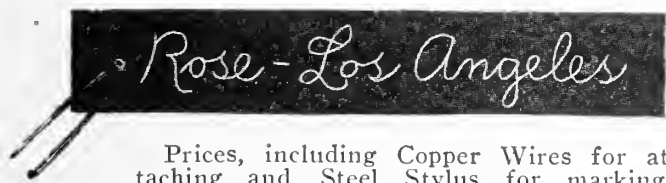
GARDEN REQUISITES

Garden Trowels, Small Fork, Labels, Paper Pots and Stakes



- Forged Steel Garden Trowel 75c. each
- Solid Steel Garden Trowel 30c. "
- Rolled Steel Garden Trowel 15c. "
- Transplanting Trowel 20c. and 30c. "
- Hand Weeding Fork 50c. "
- Three-piece Ladies Garden Set 90c. "

GREEN WEATHERPROOF PLANT LABELS



Prices, including Copper Wires for attaching and Steel Stylus for marking:

- No. 31, 3x1½ in. 100
- No. 32, 4x¾ in. \$2.50
- No. 33, 5x1 in. 4.00
- No. 33, 5x1 in. 5.50

SIMPLEX GREEN WEATHERPROOF ROCK GARDEN LABELS

Prices, including Steel Stylus for marking:

- No. 51, 4x5/8 in. 100
- No. 52, 5x¾ in. \$3.00
- No. 53, 6x1 in. 4.50
- No. 53, 6x1 in. 6.00

SIMPLEX WEATHERPROOF PLANT LABEL

The material carrying the writing is white celluloid with a specially prepared surface, protected by a transparent cover of mica. Marking done with an ordinary lead pencil is not affected by the most severe weather conditions and will last for years. Prices include copper wires for attaching:

- No. 1, 3x1½ in. Doz. 100
- No. 2, 4x¾ in. \$0.50 \$3.00
- No. 3, 5x1 in.75 5.00
- No. 3, 5x1 in. 1.00 7.00

SIMPLEX WEATHERPROOF GARDEN LABEL

Card holder is made of special Armco rustproof galvanized iron. The stake is 24 in. long, finished in dark green, enameled. No. 10, 2¾x1½ in., 25c. each; \$2.75 doz.

TREE LABELS

3½ in., painted, copper wired, 40c. per 100, \$3.00 per 1,000.

NEPONSET FLOWER POT

Bird's Improved Neponset Flower Pots retain the moisture. They are most satisfactory for growing, shipping and transplanting of seedlings or plants.

Size	Quantity per case	Weight	Doz.	100	1,000
2½ in.	1,000	16 lb.	\$0.10	\$0.60	\$5.00
3 in.	1,000	24 lb.	.15	.75	6.50
3½ in.	1,000	34 lb.	.20	1.00	8.50
4 in.	500	23 lb.	.25	1.50	10.00
5 in.	500	37 lb.	.40	2.00	17.00
6 in.	500	51 lb.	.50	2.50	21.00

GARDEN OR POT LABELS

Material	Quantity	Price
Wood, painted.	100	1,000
4x 5/8 in. wide	\$0.30	\$2.00
5x 5/8 in. wide	.40	2.50
6x 5/8 in. wide	.50	3.00
8x 5/8 in. wide	.75	7.00
10x 7/8 in. wide	1.20	10.00
12x1½ in. wide	1.50	12.00

Support Tomato Vines with "ADJUSTO" Plant Supports

A PRACTICAL and cheap plant support that will last a life time. Contains no hooks or screws. The stake is of oak painted green and the hoop is of the strongest wire also painted green to prevent rust. It is easily put up and is adjustable to any height.

Sizes and prices of stakes 7/8 in. square, diameter of wires 13 in.:

Height	Dozen
3 ft., complete	\$2.40
4 ft., complete	3.00
5 ft., complete	3.60
6 ft., complete	4.20

Extra 13 in. wire loops (for use on the taller stakes and plants), \$1.80 per doz.

HEAVY SQUARE STAKES

Suitable for Dahlias, Tomatoes, etc.

Height	Each	Dozen
3 ft. stakes	\$0.15	\$1.20
4 ft. stakes	.15	1.40
5 ft. stakes	.20	1.80
6 ft. stakes	.25	2.40

BAMBOO PLANT STAKES

Heavy, natural color. For Danlins and heavy outdoor plants.

Hght.	Diam.	Each	Doz.	100	1,000
4 ft.	5/8 in.	\$0.05	\$0.50	\$3.50	\$33.00
5 ft.	¾ in.	.08	.75	5.50	45.00
6 ft.	¾ in.	.10	1.00	7.00	55.00

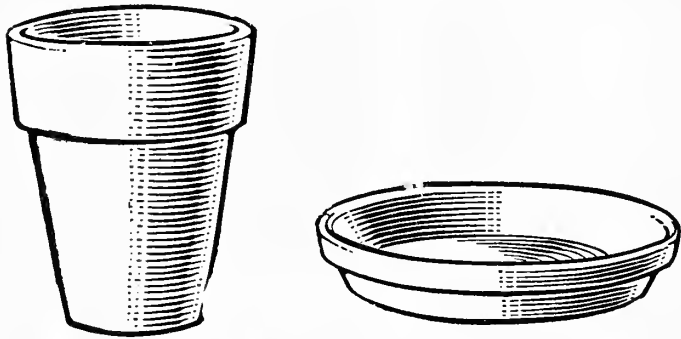
TAPERING WOOD STAKES

Green Painted.

Height	Each	Doz.	100
1½ ft.	\$0.03	\$0.25	\$1.80
2 ft.	.05	.45	3.20
2½ ft.	.07	.65	4.90
3 ft.	.10	.85	6.50
4 ft.	.15	1.30	9.50
5 ft.	.20	1.70	12.50

GARDEN REQUISITES

FLOWER POTS, SAUCERS, PANS, TUBS AND WINDOW BOXES



STANDARD FLOWER POTS

Full inside measurement. No charge for packing. Six at dozen rate, 50 at 100 rate, 500 at 1,000 rate. Prices on application for 2,000 or more. F. O. B.

FLOWER POTS AND BULB PANS

Size	Each	Dozen	Per 100	Per 1,000
2 -inch.....	\$0.02	\$0.20	\$1.20	\$11.25
2¼ -inch.....	.02	.20	1.30	12.75
2½ -inch.....	.03	.25	1.60	15.00
3 -inch.....	.03	.30	2.25	19.50
3½ -inch.....	.04	.40	2.50	24.00
3¾ -inch.....	.05	.45	3.00	27.00
4 -inch.....	.05	.50	3.25	30.00
4½ -inch.....	.06	.60	4.25	40.50
5 -inch.....	.07	.75	5.75	54.00
5½ -inch.....	.10	1.00	7.00	67.50
6 -inch.....	.12	1.35	8.50	81.00
7 -inch.....	.18	1.75	13.50	
8 -inch.....	.25	2.50	19.50	
9 -inch.....	.40	4.00	30.00	
10 -inch.....	.50	5.00	40.50	
12 -inch.....	1.00	11.00	82.50	
14 -inch.....	1.50	15.00	135.00	

SAUCERS

	Each	Doz.	100
3 inch	\$0.03	\$0.30	\$ 1.80
4 inch .....	.04	.40	2.25
5 inch .....	.05	.45	3.00
6 inch .....	.06	.60	4.25
7 inch .....	.08	.75	6.00
8 inch .....	.10	1.00	8.00
9 inch .....	.15	1.50	11.25
10 inch .....	.20	2.00	13.50
12 inch .....	.30	3.00	20.25
14 inch .....	.40	4.50	33.75

RICHMOND STYLE TREE TUBS

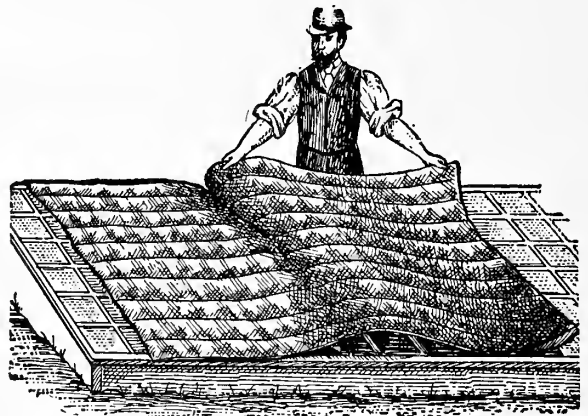
The tubs are made of white cedar, bound with flat steel hoop at bottom and three galvanized hoops above. Nicely painted green.

No.	Size	Inside Diameter	Depth	Price
No. 1		6 in.	6 in.	\$0.65
No. 2		7 in.	7 in.	.70
No. 3		8 in.	8 in.	.75
No. 4		9 in.	9 in.	.85
No. 5		10 in.	9 in.	.90
No. 6		11 in.	10 in.	1.15
No. 7		12 in.	11 in.	1.35
No. 8		13 in.	12 in.	1.80
No. 9		14 in.	13 in.	2.00
No. 10		15 in.	14 in.	2.15
No. 11		16 in.	15 in.	2.60
No. 12		17 in.	16 in.	3.00
No. 13		18 in.	18 in.	4.00
No. 14		19 in.	18 in.	4.20

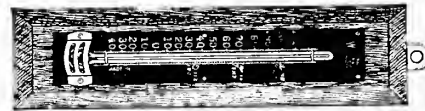
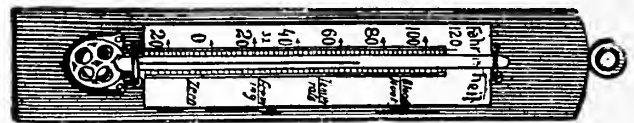


Window Boxes and Stands, \$1.50 and Up

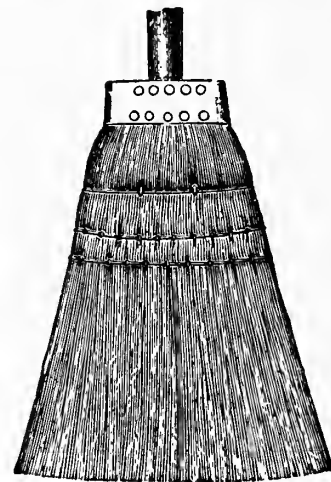
MATS, THERMOMETERS, BROOMS AND FRUIT PICKER



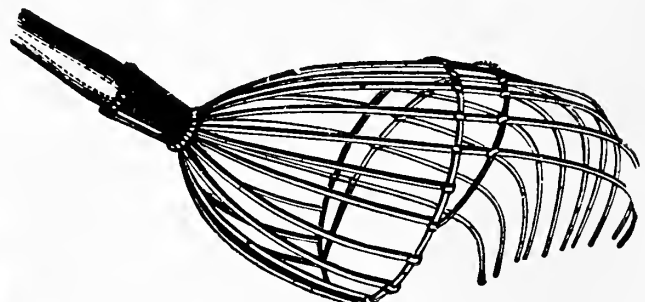
Hotbed Mats, Waterproof, 76 in. x 76 in. \$4.00



Thermometers for Various Uses, 50c. Up



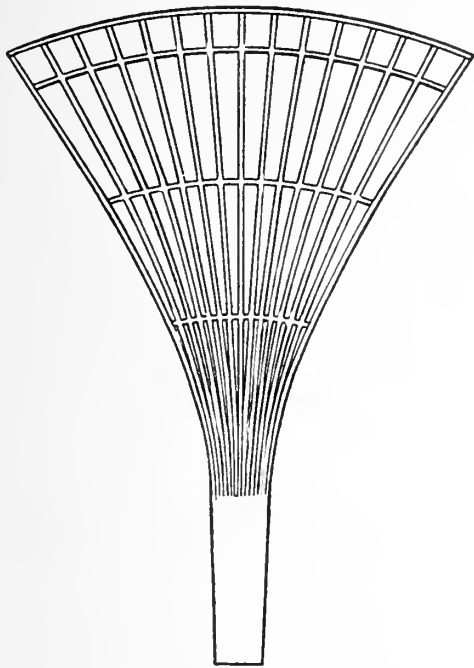
Lawn Brooms, \$1.25 Up



Fruit Picker, 45c.

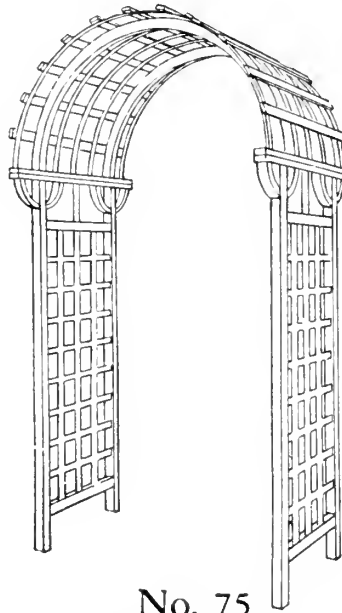
YARD AND GARDEN FURNITURE

Of the Better Kind



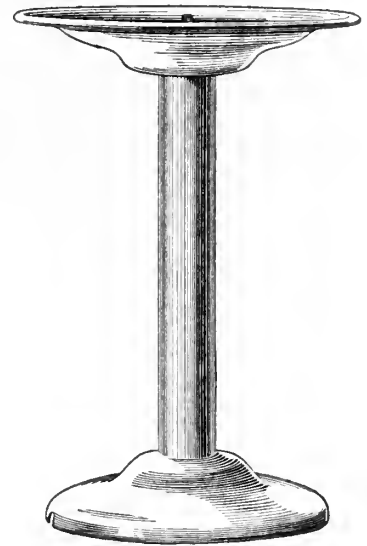
No. 55
Rose Trellis

Is made in two sizes: 7 ft. high, over all, with 10 ribs and top spread of 4 ft., \$4.00 each; and 8 ft. high, over all, with 15 ribs and top spread of 6 ft., \$10.00 each.



No. 75
Rose Arch

Is a popular type of real beauty. It has a width of 4 ft. and a depth of 2 ft. \$34.00.

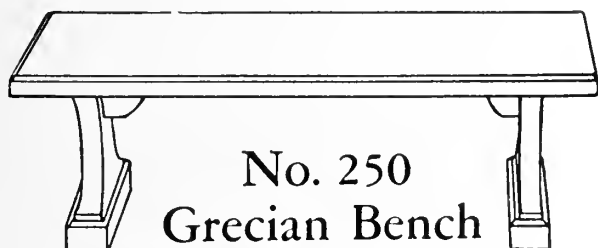


De Luxe
Bird Bath

Heavy copper bearing galvanized steel, painted natural cement color; 1/4 in. water lead iron pipe with fittings; top 12 in. diameter, 3 in. deep; height over all 25 1/2 in.

A dandy Bird Bath for the rock garden; being small, it is easily moved; with extra attachments it can be easily converted into a beautiful Lawn or Garden Sprinkler.

Bird Bath with water lead pipe, \$4.50. Complete Bird Bath with fittings, lawn sprinkler head, nozzle elbow and hose coupling, \$7.00.



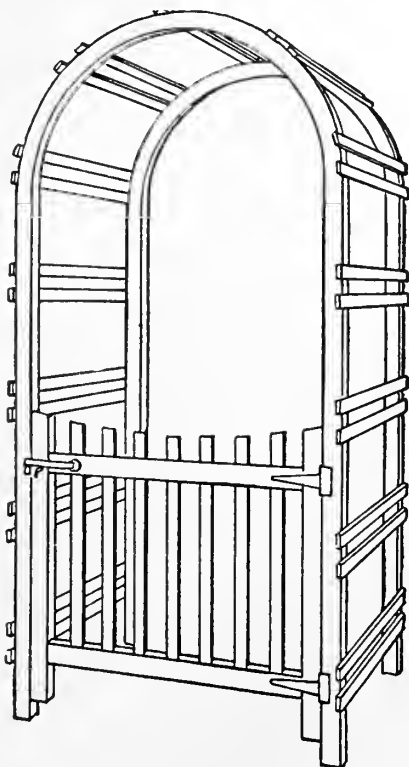
No. 250
Grecian Bench

GRECIAN BENCHES
\$10.00 to \$30.00 each.

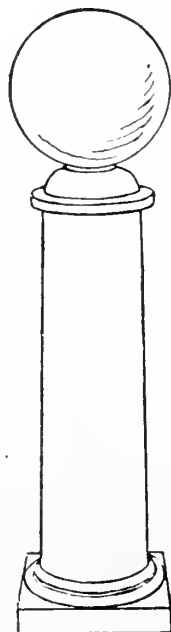
GARDEN SETTEES
\$30.00 each.

GARDEN CHAIRS
\$18.00 each.

RUSTIC BIRD HOUSES
50c. to \$15.00 each.

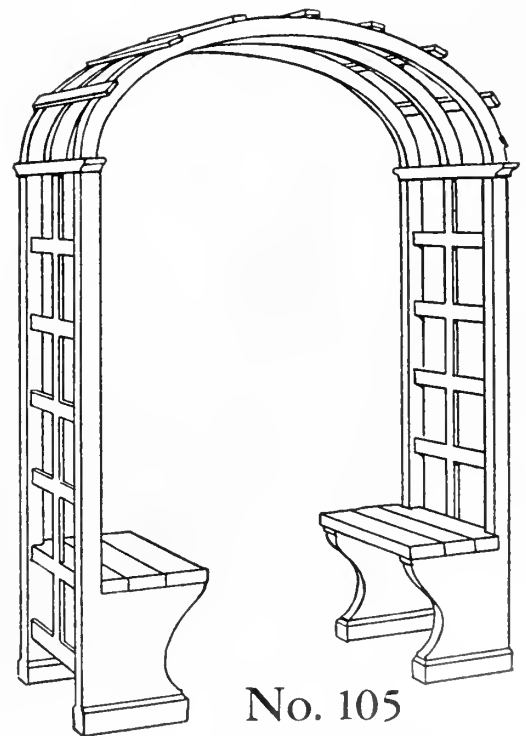


No. 166 Arched Gateway
\$25.00



No. 290
Gazing
Globe

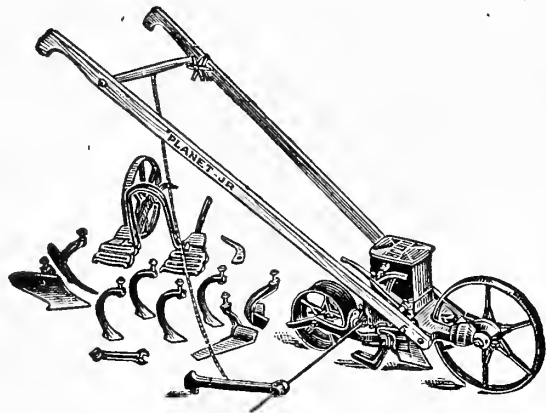
Is bewitching in its reflected panoramas.
\$25.00.



No. 105
Arbor Seat
\$39.00

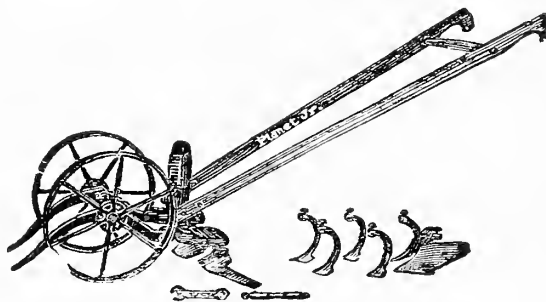
We have a large assortment of Trellises, Plant Stakes, Tables, also Bird Houses in various sizes.

PLANET JR. FARM AND GARDEN TOOLS



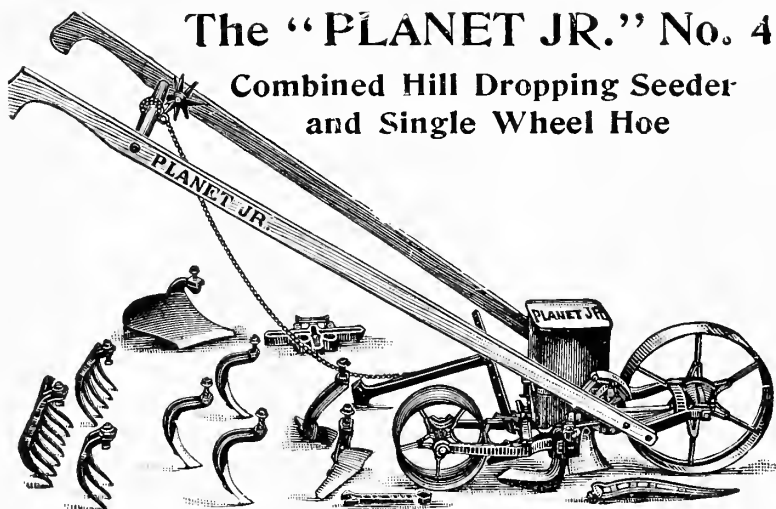
No. 25 PLANET Jr. HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE, \$21.50

Hundreds of Planet Jr. users call this the "complete gardener." Sows all seeds in drills and drops in hills as explained under the No. 4. Used as a double wheel hoe, it is possible to work both sides at one time. After that the single wheel hoe permits cultivation on both sides of the row and in the middles. The cultivating attachments do all the necessary plowing, furrowing, hilling and general cultivation in the garden.



No. 12 PLANET Jr., DOUBLE AND SINGLE WHEEL HOE COMBINED. \$10.75

A very popular combination Double and Single Wheel Hoe. Many customers write that they would not do without it for a great many times its cost. Rows can be straddled until the plants are 20 in. high, cultivating both sides at one time. Cultivating attachments permit you to do all the necessary work in the garden.



**The "PLANET JR." No. 4
Combined Hill Dropping Seeder
and Single Wheel Hoe**

The best combination of hill and drill seeder and single wheel hoe on the market today. More of them in use than any other. Sows all seeds in drills, at the proper depth and thickness, and drops in hills, 4, 6, 8, 12 or 24 in. apart. Cultivating attachments enable one to do all the necessary garden plowing, furrowing, hilling and general cultivation. \$18.00.

No. 4-D SEEDER ONLY

Hill and drill seeder only; works just like the No. 4, but has a capacity of three quarts. \$14.25.

No. 3 HILL AND DRILL SEEDER, \$17.50

No. 5 HILL AND DRILL SEEDER, \$20.00

The same, except that it has a capacity of five quarts.

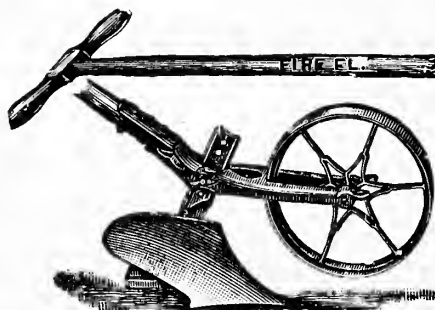


THE NEW PLANET Jr. No. 300 DRILL

A practical market gardeners' and small planters' Drill Hopper much larger than other drills. Price \$20.00.

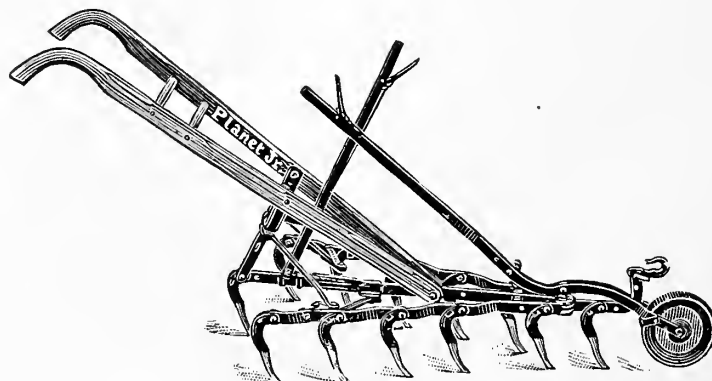
No. 13 PLANET Jr., DOUBLE AND SINGLE WHEEL HOE

Same as the No. 12, except the equipment consists of only the 6-in. hoes, the most useful attachments, and all that are desired by some onion growers and others. \$8.25.



FIRE FLY PLOW

With this tool you can open and close furrows, hill up plants, and cultivate the garden in general. \$4.25.



No. 90-D PLANET Jr. 12-TOOTH HARROW

The tool that strawberry and vegetable growers insist on getting. The teeth leave the ground in the finest condition. Tool is light and adjustable for all conditions. Hand levers regulate both width and depth. The tool expands to 32 inches and contracts to 12 inches. Steels are 1 1/4 in. wide and wear well. \$11.00.

No. 17 PLANET Jr., SINGLE WHEEL HOE, \$7.75

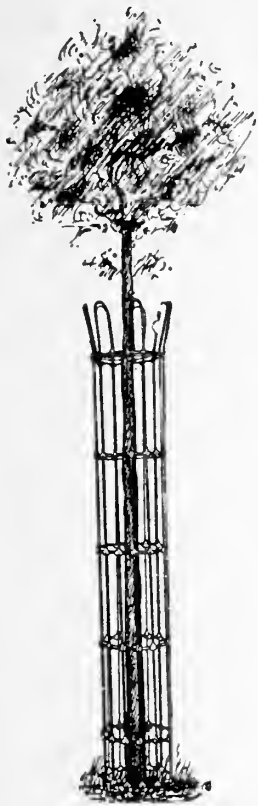
The attachments are Plow, Cultivator Teeth and Hoes.

WIRE FENCING AND POULTRY NETTING

Manufactured by John A. Roebling Sons Co.

150-ft. Rolls—All galvanized after weaving

Prices are all subject to change—Special price on quantity



Tree Guards
\$1.75

2 in. Mesh No. 20 Wire

12 in. wide.....	\$1.10
18 in. wide.....	1.65
24 in. wide.....	2.15
30 in. wide.....	2.75
36 in. wide.....	3.00
42 in. wide.....	3.50
48 in. wide.....	4.00
60 in. wide.....	4.95
72 in. wide.....	5.90
Less than roll.....	1½c. per sq. ft.

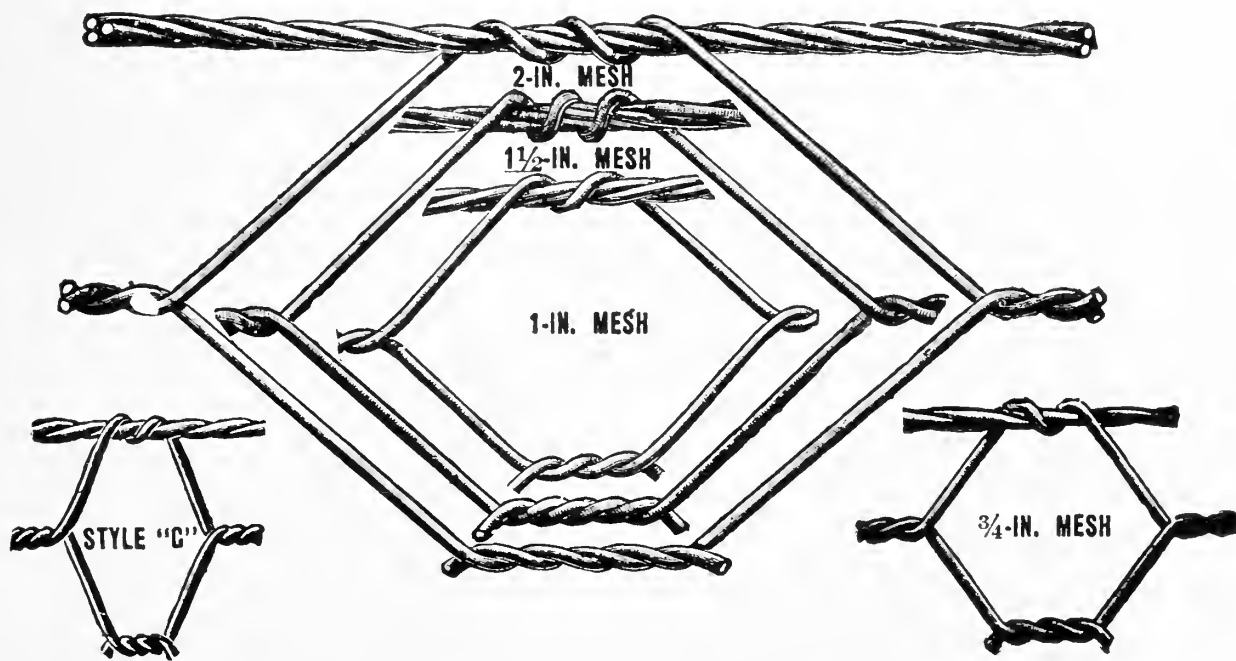
2 in. Mesh No. 16 Wire—Galvanized after Weaving—150 ft. Roll

36 in. wide.....	\$7.75
42 in. wide.....	8.75
48 in. wide.....	10.25
60 in. wide.....	12.50
72 in. wide.....	15.60
Less than rolls.....	3c. per sq. ft.

1 in. Mesh No. 20 Wire—150 ft. Rolls

12 in. wide.....	\$2.65
18 in. wide.....	3.85
24 in. wide.....	5.00
30 in. wide.....	5.90
36 in. wide.....	6.75
42 in. wide.....	7.75
48 in. wide.....	8.75
60 in. wide.....	11.25
72 in. wide.....	13.00
Less than roll.....	2½c. per sq. ft.

Prices on application on other meshes and gauges of Wire Cloth such as Cellar, Window Screening, Corn Crib Wire, Fly Wire, etc.



Pittsburg Perfect Farm, Hog and Poultry Fencing

Prices on application

Plain and Barbed Wire

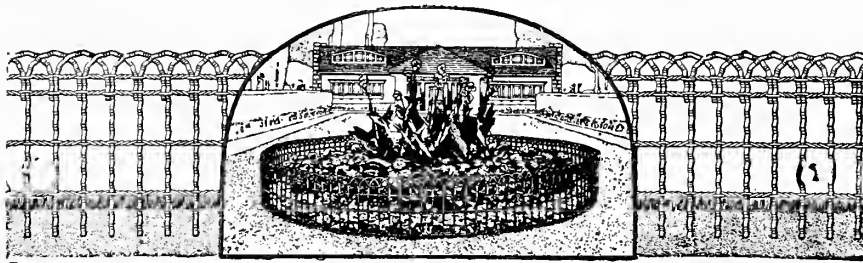
Barbed wire, 4 in. and 6 in. spacing, 4 point.....	Per 100 lbs.	\$5.00
No. 9—Plain heavy galvanized wire.....	Per 100 lbs.	5.00
No. 12—Plain heavy galvanized wire.....	Per 100 lbs.	5.25
No. 14—Plain heavy galvanized wire.....	Per 100 lbs.	6.00
No. 18—Plain heavy galvanized wire.....	Per 100 lbs.	8.00

WIRE FENCING OF VARIOUS KINDS AND MAKES

Cyclone, Roebings, Pittsburgh and American

For the lawn, garden, farm, school yard, tennis court and factory yard. Estimates given on erection.

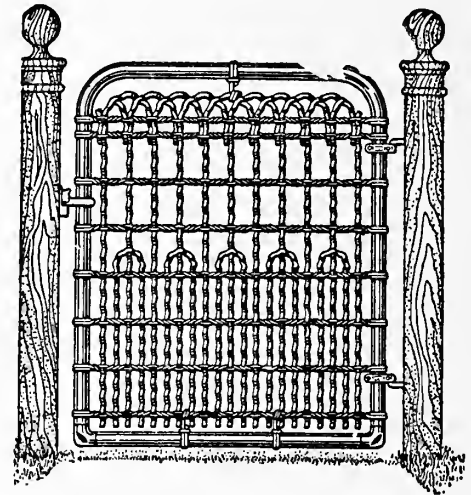
All Prices Subject to Change Without Notice



GALVANIZED FLOWER BED OR BORDER GUARD

Fits any shape or size of bed. Bottoms of pickets left straight to be inserted in the ground.

Price per lineal foot: 16 in. 8c., 22 in. 10c., 28 in. 12c.



Style "F"

GALVANIZED WALK GATES

Furnished with fittings, to fasten to wood posts.

Prices

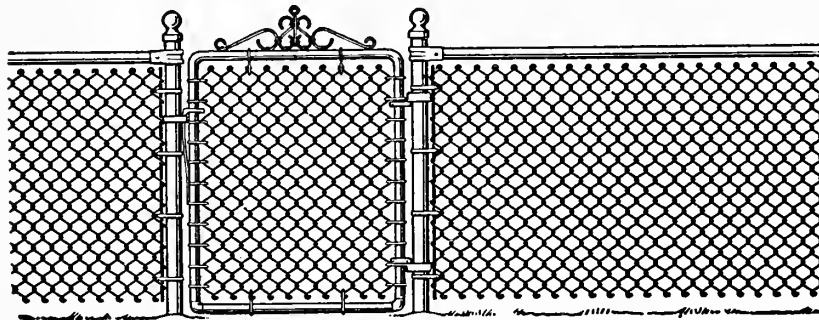
3 ft. high, 3 ft. wide.....	\$4.00
42 in. high, 42 in. wide.....	4.50
48 in. high, 48 in. wide.....	5.00

Gates for Iron Posts

3 ft. high, 3 ft. wide.....	\$4.75
42 in. high, 42 in. wide.....	5.25
48 in. high, 48 in. wide.....	5.75

STEEL FRAME GALVANIZED FARM GATES

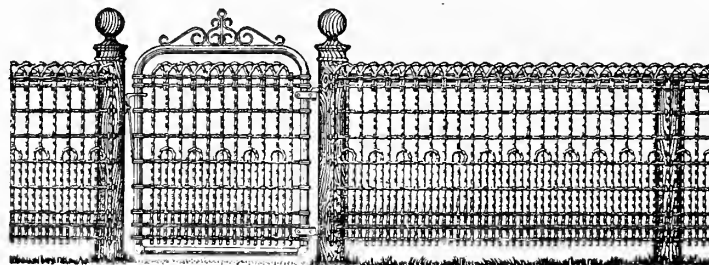
\$10.00 and up



GALVANIZED-AFTER-WEAVING CHAIN LINK FENCING

The new Galvanized-After-Weaving Chain Link Fencing built on all galvanized steel frame is the very latest and most desirable fencing to erect. The cost is a little more, but the life of the chain link material is many more years. Ask for prices and circulars.

Material supplied as desired. Estimates cheerfully given for erection for lawn, garden, school yards, factory enclosures, tennis courts, athletic fields, cemeteries, etc.



Style "F"—Price per lineal foot: 36 in. 14c., 42 in. 16c., 48 in. 18c. Special prices in large quantities. 3 ft. gate to match, \$3.50 and upward

WOOD PICKET WIRE WOVEN FENCING—For Garden and Poultry Yards

In natural wood, green or red color: 3 ft. high, 12c. per ft.; 3½ ft. high, 13c. per ft.; 4 ft. high, 14c. per ft.; 5 ft. high, 18c. per ft.; 6 ft. high, 20c. per ft. Special price on large quantities

POULTRY FEED AND POULTRY REMEDIES

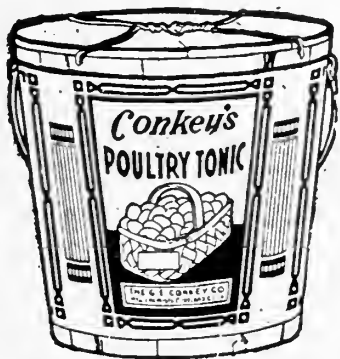
Don't Break the Conkey Chain



Poultry Feed at Market Prices

Don't break the Conkey chains.—If you want to have "good luck" with your poultry. Start your little chicks on Conkey's Buttermilk Starting Feed with Y-O; after six weeks put them on Conkey's Gecco Growing Mash with Y-O and when they reach the laying age, let Conkey's Gecco Egg Mash fill the egg baskets. Conkey's is higher in feeding value. The results prove it. Be sure to get genuine "Conkey's" in the original packages.

- CONKEY'S EGG MASH
- CONKEY'S CHICK GRAINS
- CONKEY'S STARTING FEED
- CONKEY'S GROWING MASH
- CONKEY'S GROWING GRAINS
- CONKEY'S SCRATCH GRAINS
- CONKEY'S GRIT, Fine and Coarse
- CONKEY'S CHARCOAL, Fine and Coarse
- OYSTER SHELL, Fine and Coarse
- PIGEON HEALTH GRIT



CONKEY'S POULTRY TONIC

Good for all your birds. Pkgs. 25c. and 50c.; 12 lb. pails, \$1.60; 25 lbs. \$3.00.



Keep a Conkey Corner in Your Poultry House—Be Prepared.

You get profit from your poultry when your birds are in good productive health—when you keep disease out of your flock. We sell CONKEY'S POULTRY REMEDIES because we know they are absolutely reliable and we back every Conkey package with our guarantee: "Your money back if you are not satisfied."

CONKEY'S OLD RELIABLE POWDER

This famous treatment known for thirty years as Roup Remedy. 25c., 50c., \$1.00 per pkg., 5 lbs. \$5.50.



CONKEY'S CANKER SPECIAL

50c.
CONKEY'S CHOLERA REMEDY
25c. and 50c.

CONKEY'S SOREHEAD REMEDY
25c. and 50c.

CONKEY'S SULPHUR CANDLES
15c. each

CONKEY'S GAPE REMEDY
25c. and 50c.

CONKEY'S LIMBER NECK
50c.

CONKEY'S Y-O

It's full of Vitamin A, B and D, all needed for quick growth in baby chicks without leg weakness. Have a package on hand at all times. 1 lb. 55c., 2 lbs. \$1.00, 5 lbs. \$2.00.



CONKEY'S DIATEX

Formerly called White Diarrhea. An astringent tablet for drinking water of baby chicks and poultry. 25c., 50c. and \$1.00.



CONKEY'S NOXICIDE

Disinfectant for poultry yards and farms. Pt. 50c., qt. 80c., gal. \$2.00.

CONKEY'S FLY KNOCKER

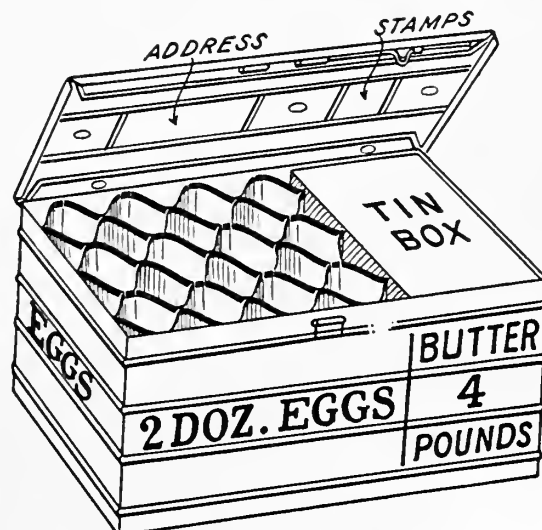
Invaluable for the farmer, dairyman and owner of live stock. It will keep the flies away. Qt. 60c., 2 qts. 90c., gal. \$1.50.

CONKEY'S POULTRY WORM REMEDY
25c. and 50c.



CONKEY'S POULTRY CONDITIONER
25c. and 50c.

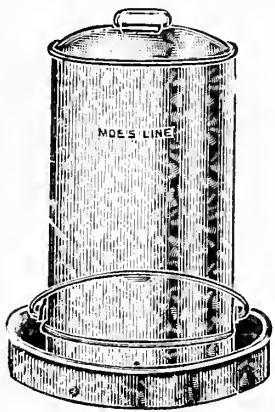
CONKEY'S LICE POWDER
Contains sodium fluoride.
35c. and 75c.



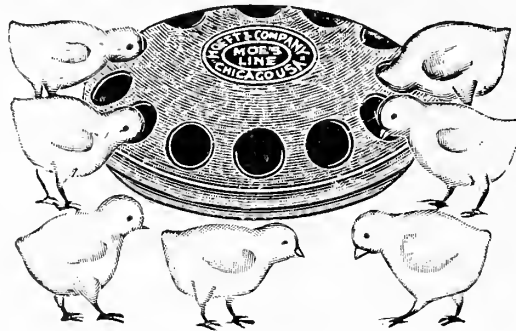
METAL EGG CRATES

This is the new model with the metal-edged filler. It solves every problem of shipping eggs and other products by mail. No wrapping is required. A permanent lock-pin that does not loosen holds the lid rigidly close.

Capacity (For eggs only)	Each, not postpaid	Each, postpaid
1 1/2 doz.	\$1.25	\$1.35
2 doz.	1.50	1.60
3 doz.	1.75	1.90
4 doz.	2.00	2.15
6 doz.	2.50	2.65



Top Fill Fountain



Round Chick Feeder



Jar Fountain

POULTRY SUPPLIES

Prices Subject to Market Variations

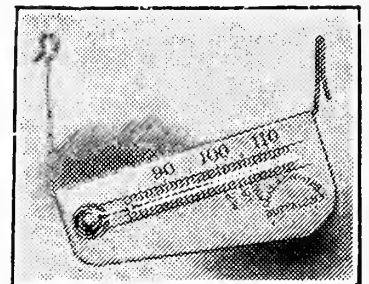
One Gallon Leader Fountain.....	Each \$1.00
Three Gallon Leader Fountains, 2 section.....	Each \$1.70
Two Gallon Twin Duplex Sanitary Fountain.....	Each \$2.00
Five Gallon Round Table Drinking Fountain.....	Each \$3.00
Giant Mash Feeder, holds 100 lbs.....	Each \$10.00
Dry Mash Feeders.....	Each 75c. to \$3.00
Shell Grit Feeders, 1-2-3.....	Each 85c. to \$1.50
Big Boy Feeder. Good feeder for turkeys.....	Each 35c.
Eclipse Chick Feeders—10 in., 20 in.....	Each 20c. and 30c.
Round Chick Feeders.....	Each 15c. and 25c.
Mason Jar Fountains.....	Each 10c.
Horizontal Swinging Fountains, 10 gals.....	Each \$4.00
Automatic Poultry Fountains.....	Each \$1.25
Dixie Chicken Feeders, 18 in.....	Each 20c.
Dixie Chick Feeders, 30 in.....	Each 30c.
Double Chick Feeders, 24 in.....	Each 50c.
Double Chick Feeders, 36 in.....	Each 65c.
Large Capacity Feeders.....	Each \$1.00 and \$1.60
Wire Guard Five Foot Feeder.....	Each \$4.75
Star Fountain.....	Each \$10.00
Gem Chick Fountains, 1 gal.....	60c.
Gem Chick Fountains, 2 gals.....	85c.
Top Fill Cleanable Fountains, 2 gals.....	\$1.65
Top Fill Cleanable Fountains, 4 gals.....	\$2.75
Leg Bands, Celluloid, all colors and sizes.....	Doz. 15c., per 100 60c. and 70c.
Leg Bands, Aluminum.....	Per 100 50c.
Thermometers—Incubator, Brooder.....	Each 50c. to \$1.50
Caponizing Sets.....	Each \$2.75 to \$5.00
Poultry Killing Knives.....	Each 60c.
Poultry Markers.....	Each 25c. to 50c.
Grape Worm Extractor.....	25c.
Stone Drinking Fountains, especially used for buttermilk.....	Each 40c. to \$1.25
Exhibition Cups.....	Each 15c.



Leg Band

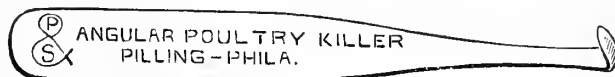


Poultry Marker

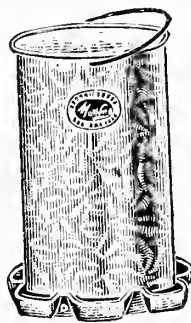


Incubator Thermometer

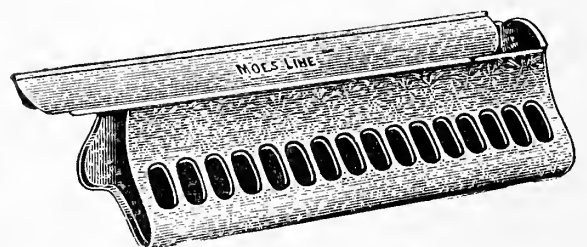
We carry a full line of Jamesway Feeders, Fountains and Hoppers for Poultry



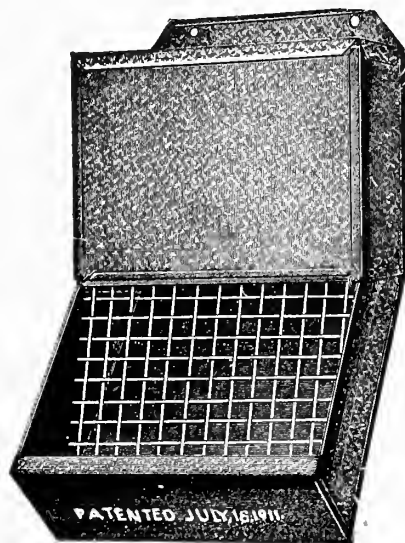
Killing Knives



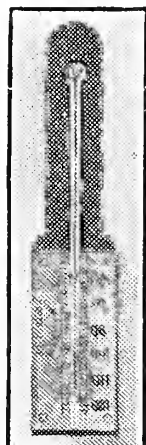
Gem Fountain



Large Capacity Feeder



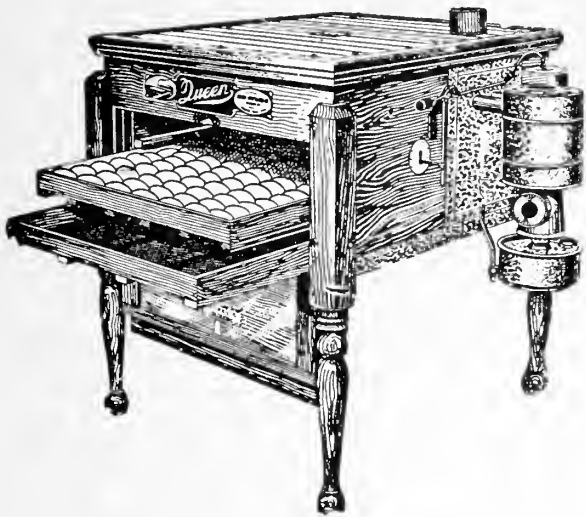
Dry Mash Hopper



Brooder Thermometer



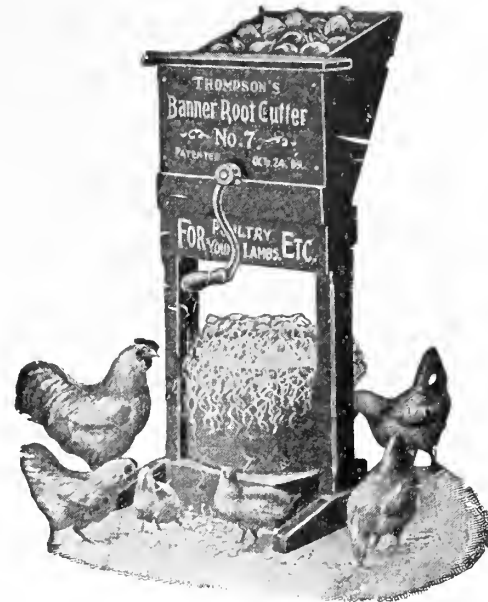
INCUBATORS AND BROODERS



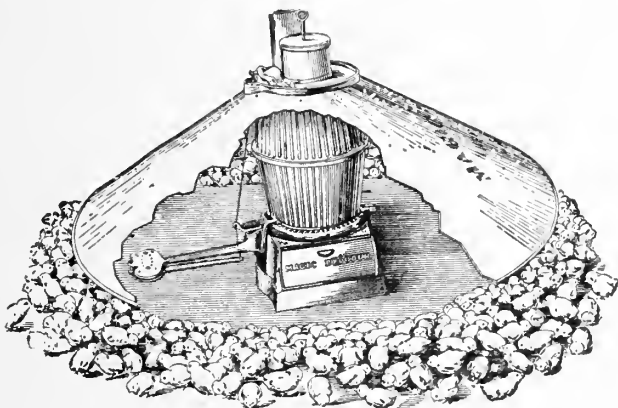
RELIABLE INCUBATOR

- 140-egg Hot Water Incubator.....\$28.50
- 140-egg Hot Air Incubator..... 25.00
- 240-egg Hot Air Incubator..... 29.00
- 450-egg Hot Air Incubator..... 49.00

Other sizes quoted upon application



POULTRY VEGETABLE CUTTER

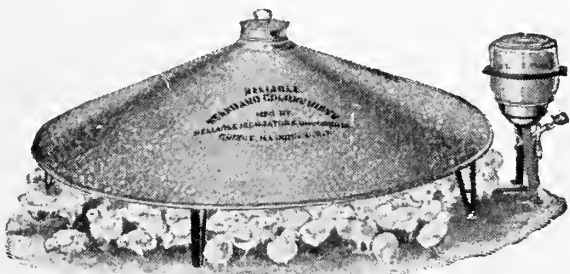


MAGIC COAL BURNING BROODERS

- 250 to 300 Chicken Size.....\$25.00
- 400 to 500 Chicken Size..... 30.00

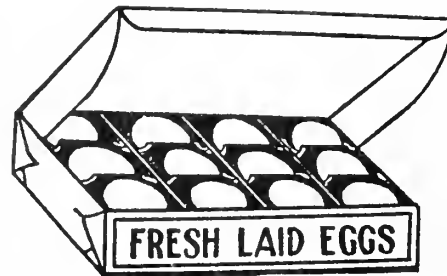
OAKES NEW IMPROVED ELECTRIC BROODER

- K732, 32 in. Hover, Heater and Regulator. \$16.00
- K742, 42 in. Hover, Heater and Regulator. 20.00
- K752, 52 in. Hover, Heater and Regulator. 24.00
- H94, 42 in. Hover, Electric Brooder, complete..... 20.00



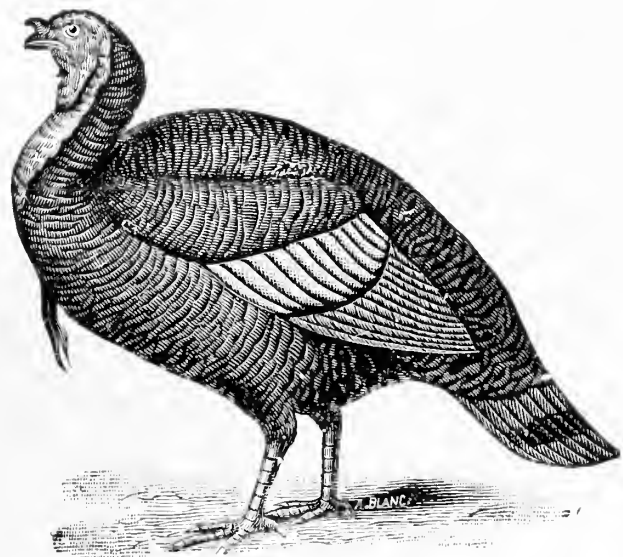
OIL BURNER BROODER

- 250 Chick Size.....\$13.00
- 500 Chick Size..... 15.00



MANILLA EGG BOXES

This is an ideal box for handling retail egg trade, presenting the goods to the customer in an attractive package with the minimum amount of trouble to the seller. Doz. size, 15c. per doz., \$1.15 per 100, \$2.50 for 250, \$4.75 for 500, \$9.00 per 1000.



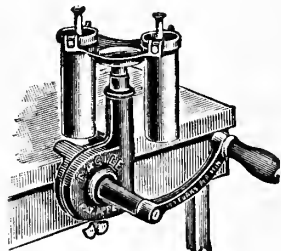
SPRATTS TURKEY FEEDS

are the best foods to grow turkeys. Prices on application.

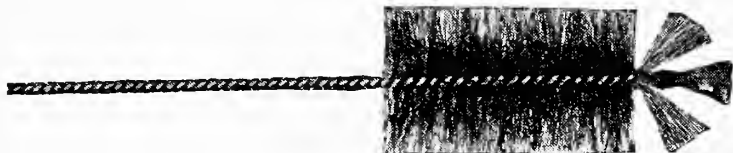
A FEW DAIRY NECESSITIES

Subject to Market Fluctuations

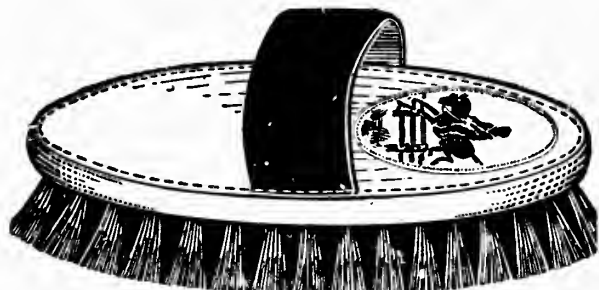
Anti-Cow Kicks.....\$1.50



Babcock Milk and Cream Testers.\$8.00 and \$10.00
 Bag Balm.....Pkge. 60c.
 Blankets for Calfs and Cattle....\$3.00 to \$5.00
 Barkers Cattle Powder.....Pkge. 30c.
 Bottles. Quart, pint and 1/2 pint.Do. 85c. to \$1.10
 Bottle Boxes, pint and quart.....\$2.25 to \$2.50
 Bottle Caps, Printed. Creams, Sweet Milk, Skim
 and Buttermilk. Per box of 1000...80c. to \$1.25

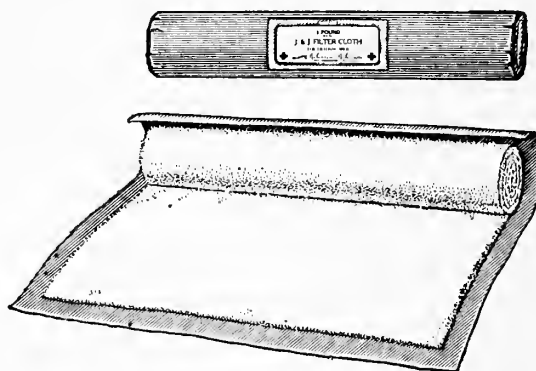


Bottle Brushes. Hand and machine sizes.
 50c. to \$1.25
 Bottle Fillers.....\$10.00 and up
 Bottle Washers.....\$10.00 and up

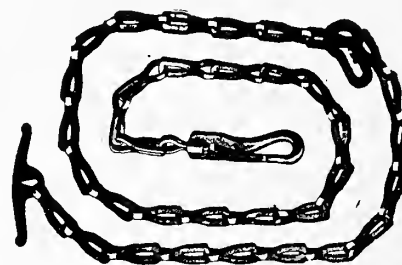


Brushes: Cattle, Cards, Sponges, Chamois.
 Curry Combs for cattle cleaning..25c. to \$2.50
 Brushes. For milk bottles, cans, etc..25c. to \$1.50
 Bull Rings. Copper and steel.....50c. to \$2.50
 Bull Staff Wood.....\$3.00
 Bull Staffs. All metal.....\$4.25
 Butter Boxes.....\$2.25 to \$6.00
 Butter Molds and Presses.....\$1.00 to \$10.00
 Butter Workers.....\$12.00 to \$20.00
 Calf Meal. Excellent for young stock. 25 lb. bag.\$2.25
 Cow Stop Leak Teat Salve. Pkge.....\$1.25
 Churns. Cylinder, monument and stone, in
 various sizes.....\$3.00 to \$10.00
 Cream Cans. Heavy weight tin, various sizes.
 \$1.35 to \$3.50
 Cream Kettles. 2 to 16 quarts. Heavy-
 weight.....\$1.00 to \$4.50
 Light weights—less.
 Cream Pans. Heavy tin, no seam....60c. to 85c.
 Dairy Thermometers. Various kinds.25c. to \$2.50
 De Horners, Improved Keystone.....\$18.00

Garget Cure. Pkt.....\$0.65
 Kow-Kure. Small can 65c., large can \$1.25,
 6 for.....\$6.25
 Lids. For New York and Philadelphia shipping
 cans.....75c., and \$1.00
 Measuring Sticks. For milk shipping cans.
 Metal 60c., wood.....\$1.00
 Milk Cans. Heavy shipping, 20-qt. cans, \$3.75;
 30-qt. \$4.50, 40-qt.....\$4.80
 Lighter weight—less money.
 Milk Dippers. Various sizes, seamless.55c. and 75c.
 Milk Fever. Outfit.....\$3.00
 Milk Strainers.....\$1.25 to \$2.75
 Milk Strainer Parts. Heavy tin....\$1.90 to \$2.75
 Oil for Separators, De Laval. 1/2 gal. 85c., gal.\$1.25
 Pails. Heavy block tin, 10 to 16 lbs..85c. to \$1.65
 Pails. Heavy galvanized, 10 to 16 lbs.60c. to \$1.25
 Pails. Sanitary improved milking pails, several
 styles.....\$2.50 to \$4.50



Sanitary Filtering Milk Cloths (Johnson &
 Johnson product). 1 lb. pkt.....\$1.65
 Sanitary Parchment Paper. For shipping can
 lids. Per 1000 sheets.....\$4.00
 Separators, De Laval and all others.
 Scales. Milk register scale.....\$3.50 to \$7.50
 Vegetable scales.....\$3.00 and up
 Egg and Platform in all sizes and weights.
 Scrapers, Dairy Barn Floors Jamesway. Two
 sizes.....\$2.50 and \$2.75



Tie Out Chains. 20-, 30- and 40 ft., light and
 heavy.....\$1.00 to \$2.50
 Water Trough. Cast iron and steel.
 Per foot.....90c. to \$2.50
 Water Bowls, Automatic.....\$2.75 to \$3.75

EVERYTHING IN THE DAIRY DEPARTMENT

Prices Subject to Market Fluctuation

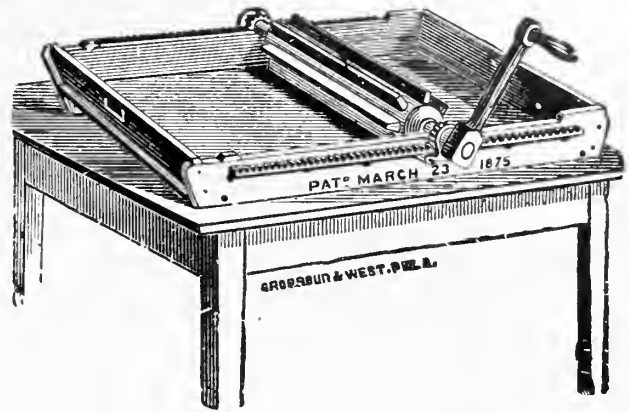


DELAVAL SEPARATORS

The best separator in the market and a money maker for the Dairyman.

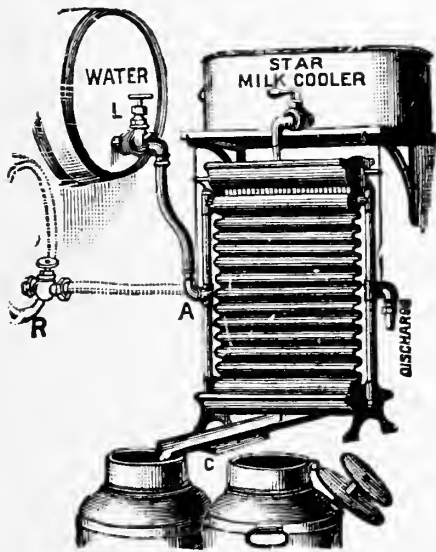
No. 7	.....	\$ 62.50
No. 8	.....	77.50
No. 10	.....	87.50
No. 12	.....	100.00
No. 16	.....	117.50
No. 17	.....	135.00

Ask for Catalogue



REID'S BUTTER WORKER

No. 3	.....	\$16.00
No. 4	.....	12.00



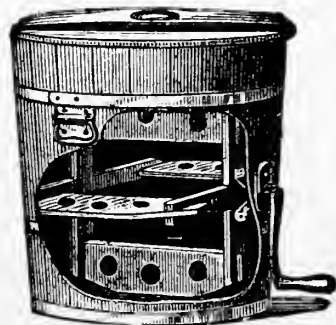
MILK COOLER AND AERATOR

No. 1, Cooling Capacity 45 Gallons per Hour.....	\$31.50
No. 2, Cooling Capacity 55 Gallons per Hour.....	35.00
No. 3, Cooling Capacity 65 Gallons per Hour.....	38.00
No. 4, Cooling Capacity 80 Gallons per Hour.....	43.00

CHAMPION CONE SHAPE MOLD COOLERS, \$8.50 to \$12.00

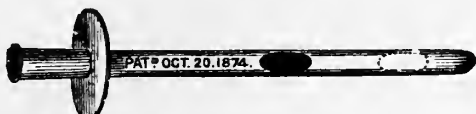


Stewart Ball Bearing Clipper, \$15.00

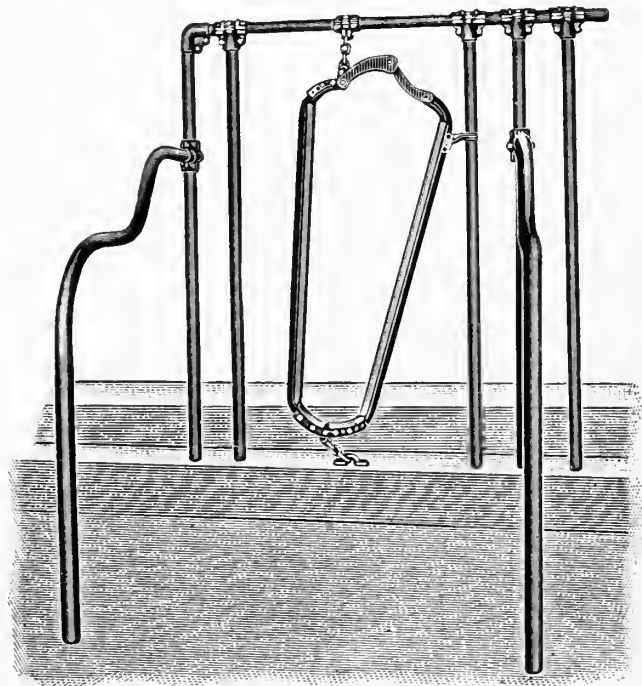


Barrel Churns, 10 to 50 Gallons, \$6.50 to \$20.00

ELECTRIC CLIPPERS, \$28.00 AND \$45.00



Milking Tubes, 60c. and Up



NEY CATTLE STALLS

Stanchion and water bowls are the neatest, simplest, most durable, complete stalls made. Prices on application.

NEY FEED LITTER, MANURE AND HAY CARRIERS

Also extra parts we carry in stock. Prices on application.

THE CRUMB STANCHION

Is the best wood stanchion made and is easier on your cattle than any other. Price, double bolted, \$2.65.



Sanitary Milking Pails, \$4.50



Calf Weaners, 50c. to \$1.25

Deep and Shallow Well Pumps for Every Purpose

We carry a full line of all kinds of Myers Pumps, and are ready to give you an estimate on anything you want in the Pump Line, either in Material or Installation. Prices upon Application.

MYERS

Pumps For Every Purpose

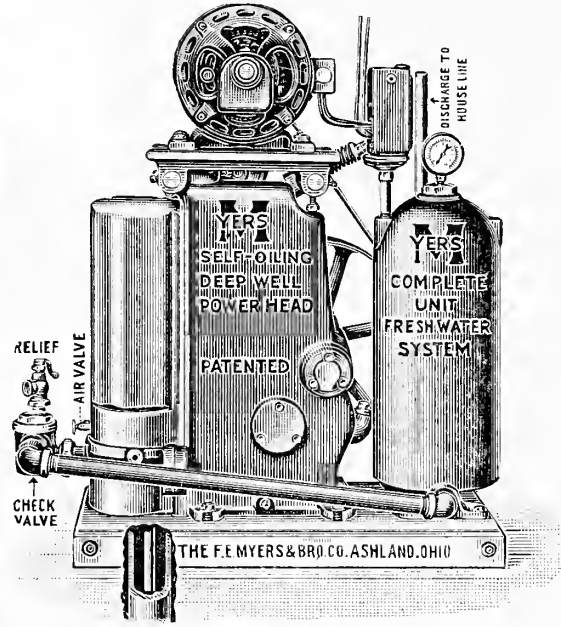
BUILT by an organization with more than fifty years experience in manufacturing pumps and water systems.

For every type of home or farm Myers Hand Pumps deliver dependable service. In the house—in the barn—or wherever they may be used—they assure you an abundance of water—constantly. Made in a complete line with many patented features and in sizes for every need.

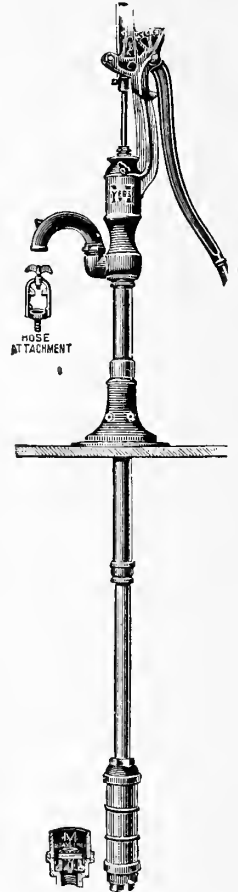
Myers "Honor-Built" Products also include Power Pumps, Water Systems, Spray Pumps and Power Spray Rigs.



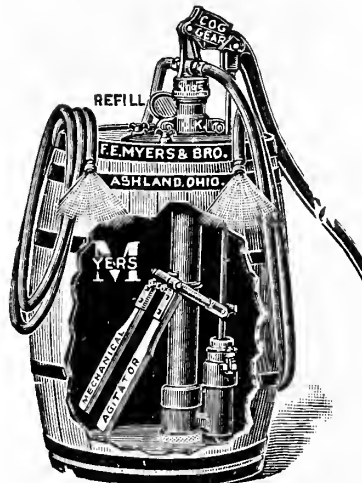
We carry a full line of MYERS C-10-R. products



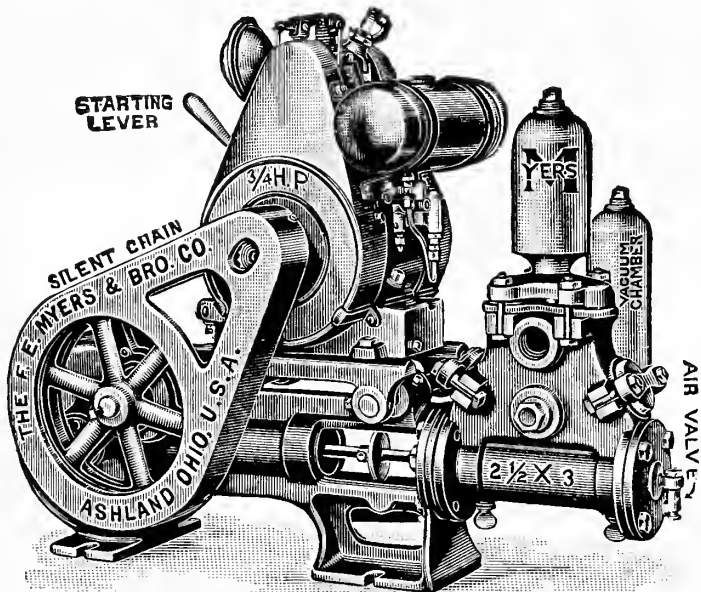
Direct Water System



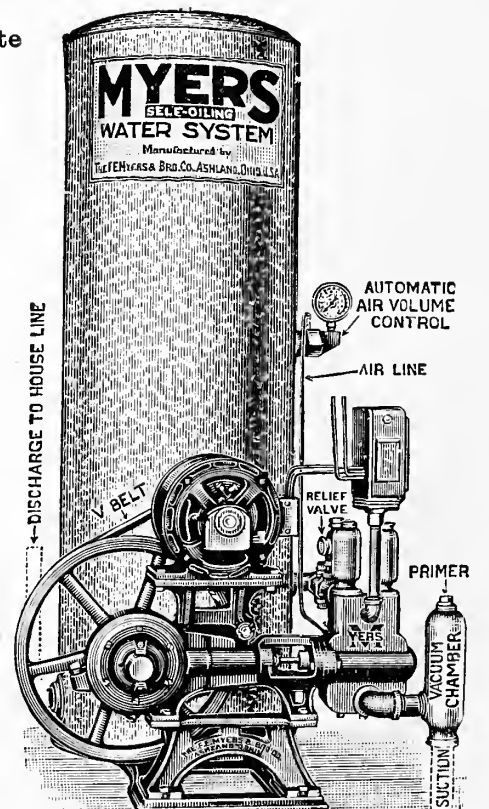
Deep Well Pump in Lift and Force



Barrel with Sprayer Complete 15 ft. Hose, Pipe, Nozzles \$18.00



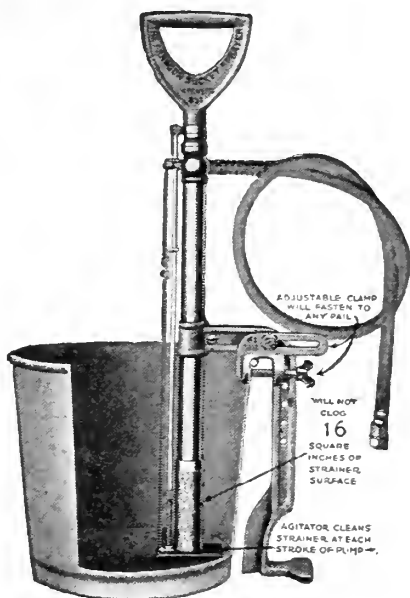
Bulldozer Pumps—Gas and Electric



Deep and Shallow Well Pumps

SPRAY AND OTHER PUMPS FOR EVERY PURPOSE

PRICES ON APPLICATION



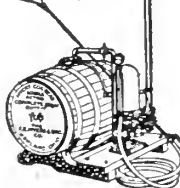
ELECTRIC CELLAR DRAINER



Every Month in the Year You Need a MYERS SPRAY PUMP

SOME crop, or product, or profit is always being threatened by insects, blights, fungi, disease or decay. That's why you must have dependable and adequate spraying equipment for trees, shrubs, vines, plants and vegetables — live stock and poultry. And in between there are countless other spraying jobs like white-washing and painting or disinfecting grounds and buildings.

MYERS COG GEAR DOUBLE ACTING COMPLETE SPRAY OUTFIT



(170)



MYERS SELF-OILING TRACTION SPRAYER



MYERS "Honor-Bilt" Spray Pumps are famous for their quality, durability and usefulness. Easy to operate; quick and thorough in results. Whether you need the smallest size hand-operated sprayer, or the largest machine-powered field and orchard sprayer, MYERS manufactures the equipment you want.

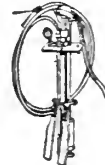
For more than fifty years, MYERS has been world headquarters for Hand and Power Pumps for every purpose, Water Systems, Hay Tools and Door Hangers.

See your dealer or write us direct. Complete catalog on request.

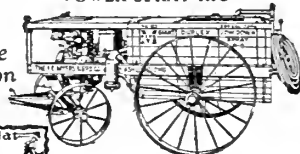
PNEUMATIC COMPRESSED AIR SPRAYER



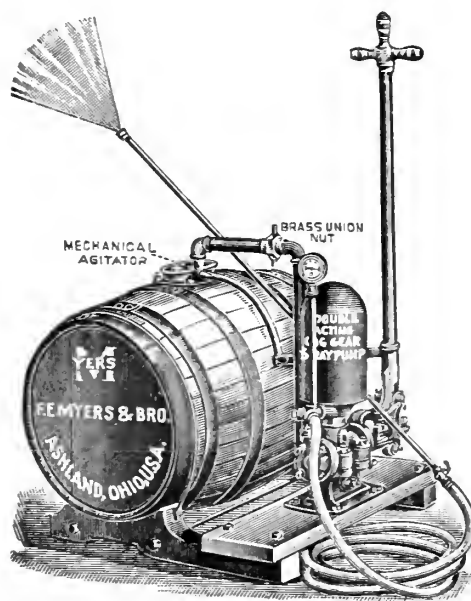
COG GEAR BARREL SPRAY PUMP

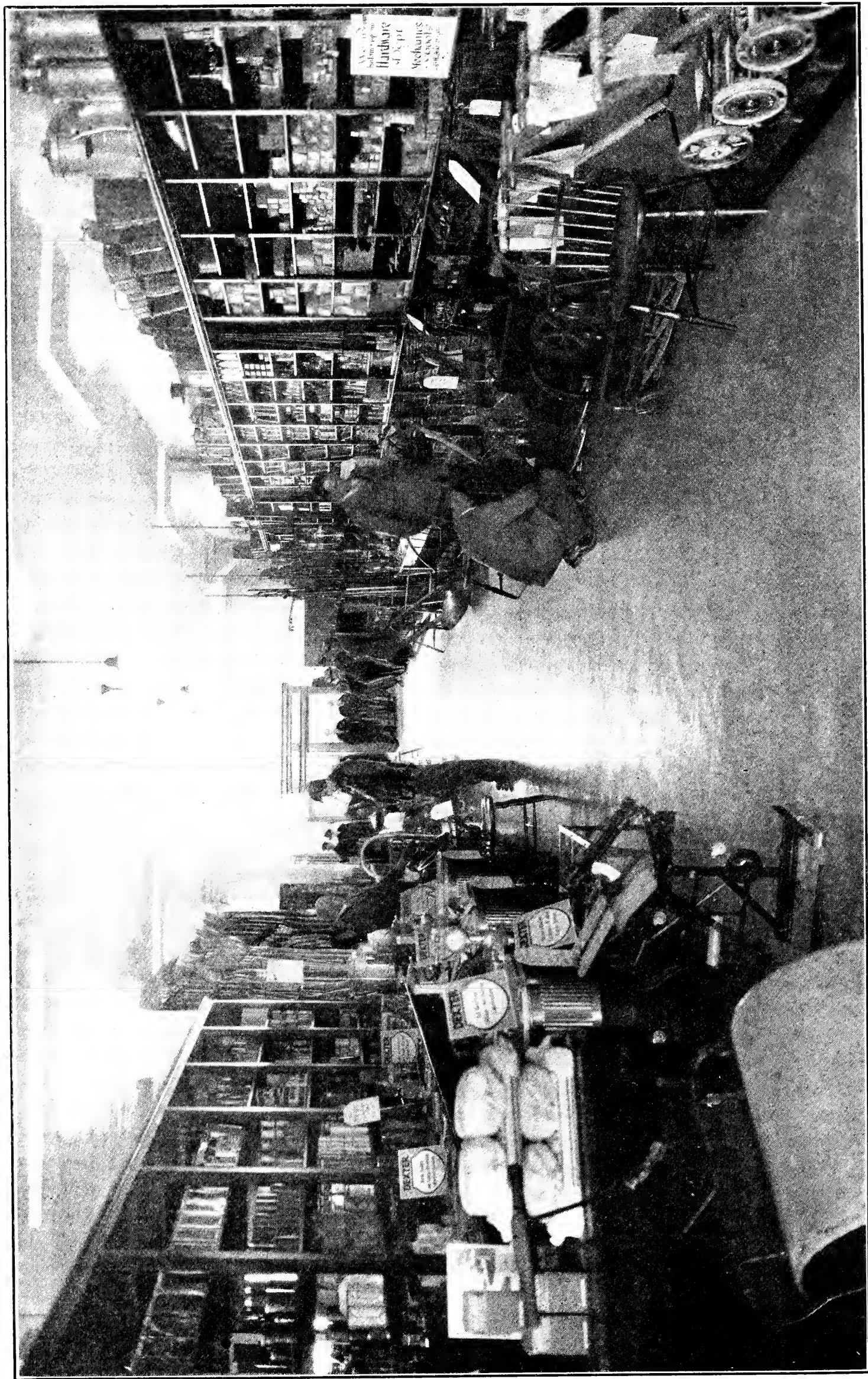


MYERS SELF-OILING POWER SPRAY RIG



Take Off Your Hat to the MYERS

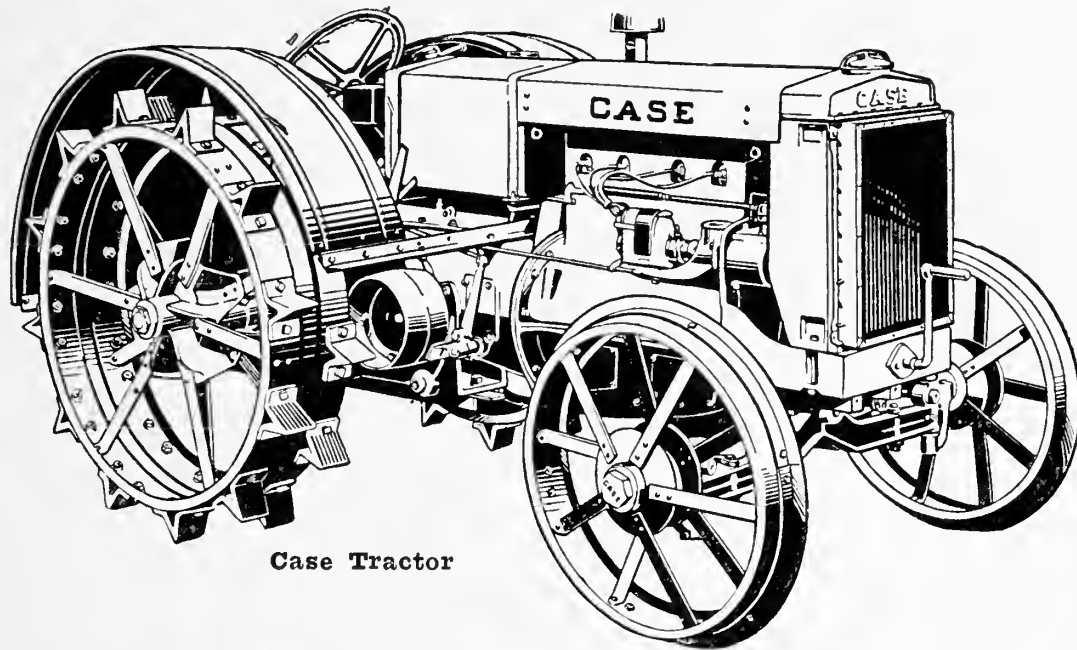




AGRICULTURAL IMPLEMENT, PUMP AND HARDWARE DEPARTMENT, J. Woodruff Hendrickson, Department Manager. Phone 4534.

FARM MACHINERY

We carry a full line of machinery in stock of the most *practical and durable makes which we guarantee, service free*, without charge for delivery. We carry a large variety of stock of extra parts for machinery, plows, cultivators, etc. Prices on Application.



Case Tractor

THE NEW CASE GENERAL PURPOSE TRACTOR, MODEL "CC"

Again Case has developed a new and better quality machine for profitable farming. This time it is the new general purpose tractor which is known as the Case Model "CC."

Long painstaking study and experiments have gone into its development. As a result, it possesses advantages and features which place it far in advance of present day design of general purpose tractors. It will not only do all kinds of ordinary draw bar, belt and power take-off work, but also it is especially suited to planting and cultivating row crops.

Adaptable to Your Needs

With the new Case Model "CC" tractor you can save time and labor on every kind of power farming work.

It will plow, prepare a seed bed, plant, cultivate, harvest and do odd jobs.

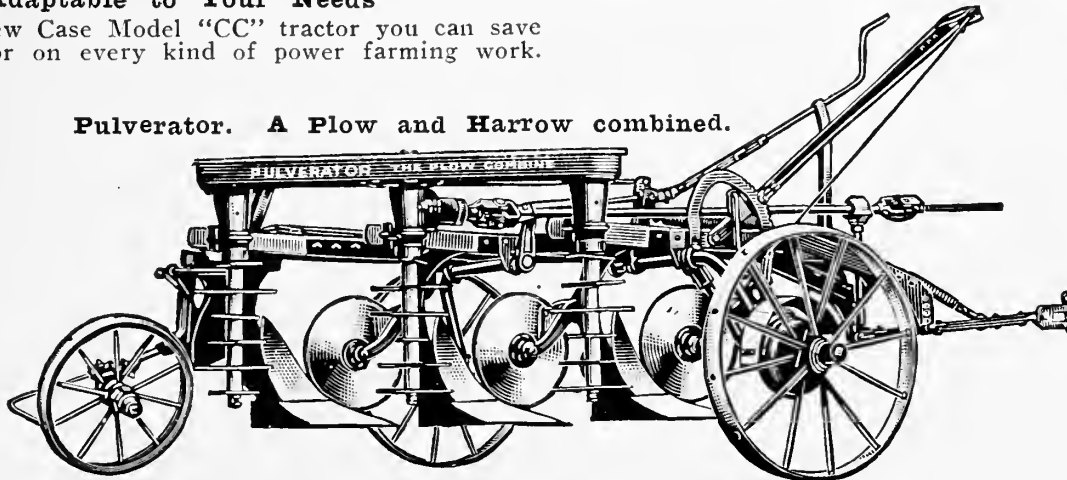
Three forward speeds of 2.63, 3.75 and 5.14 miles per hour offer a wide selection for any kind of drawbar work from hard plowing or careful cultivation to light harrowing or speedy hauling.

Power can be delivered in three useful ways—drawbar, belt and power take-off.

Two or Four Rows

It is designed for a two- or four-row cultivator. Medium sized farms and farms on rolling land can use the two-row cultivator to best advantage. For larger farms the Model "CC" has abundant power for a four-row cultivator for use on big level fields.

Pulverator. A Plow and Harrow combined.



YOUR WAY TO BIGGER FARM PROFITS Greater Savings

The PULVERATOR does several necessary tillage jobs at one time. By actual comparisons, pulveration saves from two to six expensive time and labor consuming operations—or from 20 per cent to 60 per cent over other methods of preparing the seed bed.

Better Seed Beds

The PULVERATOR *aerates* as it *pulverizes* as it *plows*. Working directly on the soil, it churns in—scientifically aerates—the entire seed bed. Your ground is put in better shape to receive the seed and grow the crop than several workings by ordinary methods would leave it.

PULVERATOR brings an amazingly practical principle of farming that makes possible new advantages—new results in seed bed preparation:

1. Operates on the entire furrow slice. Distributes the trash and surface growths through the soil *and covers*.
2. Mixes fertilizer, cover crops or waste vegetation thoroughly through the soil to promote early availability of this fertility to the crop.

3. Promotes *capillary action* of subsoil moisture to the seed bed by preventing the presence of a layer of trash insulation commonly found under plowed furrows.

4. Helps hold the moisture in the seed bed.

5. Scours even in wet, sticky soil.

6. Eliminates air pockets that ordinarily result when one furrow slice is merely rolled against another.

7. Allows root structures to develop unrestricted by breaking up clods and leaving the seed bed uniform *all the way down*.

8. Checks baking and running together of soils, even in fields pulverated while very wet.

9. Makes cultivation notably easier.

10. Helps restore the tilth and productiveness of worn-out land.

11. Prevents packing of seed bed by the tractor.

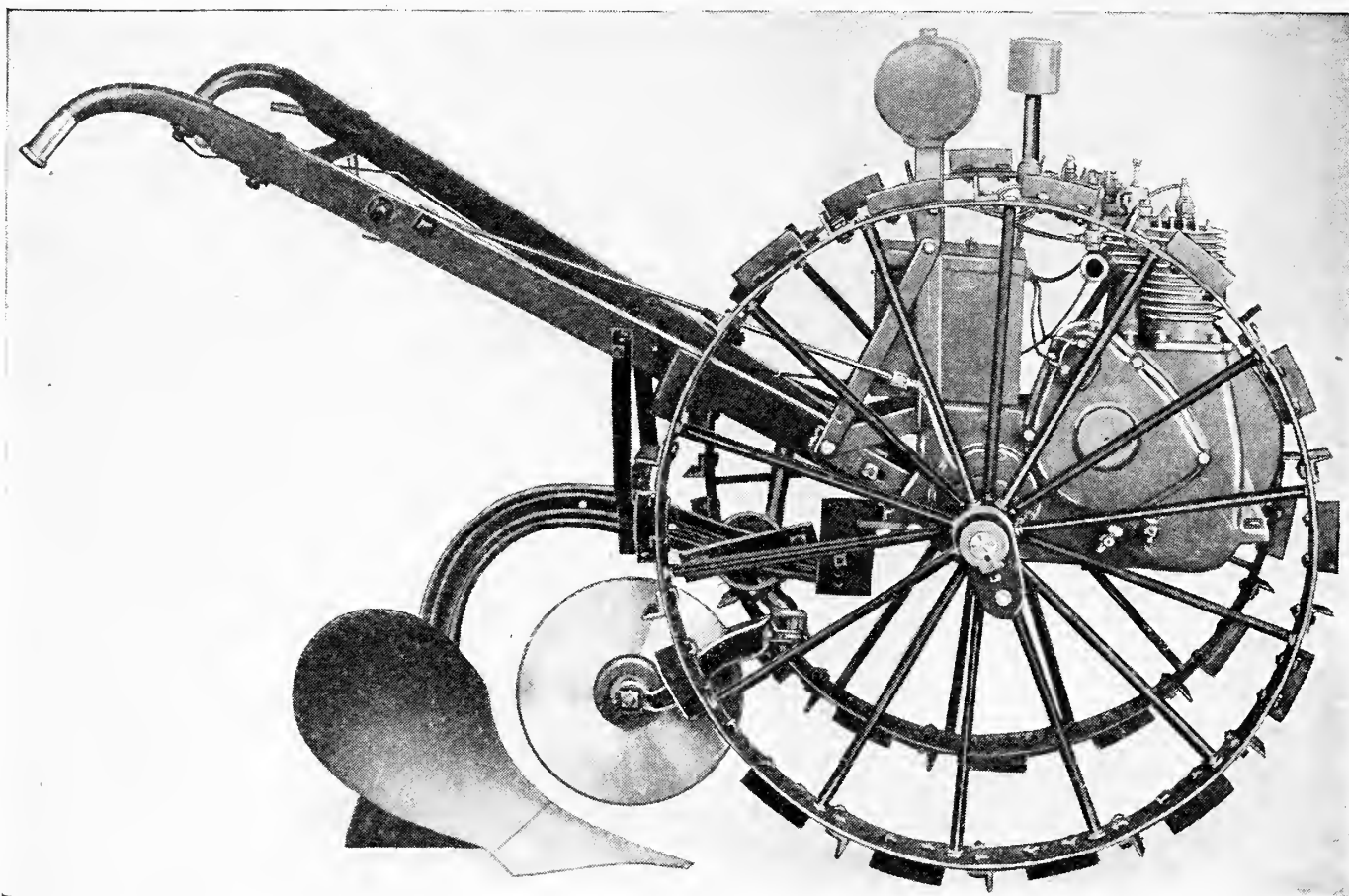
12. Provides an effective control over weed and insect pests.

For All Modern Tractors

Any modern tractor with standard power take-off, rated to pull a two- or three-bottom plow, will pull a PULVERATOR of equal furrow capacity at similar speed—to make a finished seed bed in one operation.

Earns you money on every job.

STANDARD GARDEN POWER TRACTOR



THE BEST THROUGHOUT

Note the sturdy, compact construction of the **Standard Tractor** as shown above. The **Standard** is built for years of hard service. The engine and transmission are mounted on the axle between the two drive wheels and the cultivating tools are carried on a draw bar directly behind the wheels and fastened to the tractor frame. Steering is by two handles which also fasten to the tractor proper at the axle and the operator's control is by clutch lever on the right handle and throttle control on the left.

Big wheels (32 in. diameter) give a good clearance (16 in.) for the plants—and they make for easy operation as well as high draw bar pull. All weight in the **Standard Tractor** is so located that it is practically all effective for traction. The engine is forward of the tractor axle and the entire equipment is perfectly balanced.

By the **Standard** Enclosed Unit Construction, all of the working parts—engine, transmission, clutch, final drive—are built together in one compact, oil tight, dirt proof unit. There are no exposed cast iron gears or chains, or sprockets or squeaky jack shafts on the **Standard**. Other features of the **Standard Tractor** include 3½ h.p. four-cycle motor, instantly operated clutch, enclosed cut gears, automatic oiling, dirt-proof ventilated crank case, ratchet differential, throttle speed control, automatic spark control, big wheels, high clearance, adjustable tread, tool control handle, dual tool lifter lever, adjustable horse type tools, good traction, easy steering and a surplus of power.

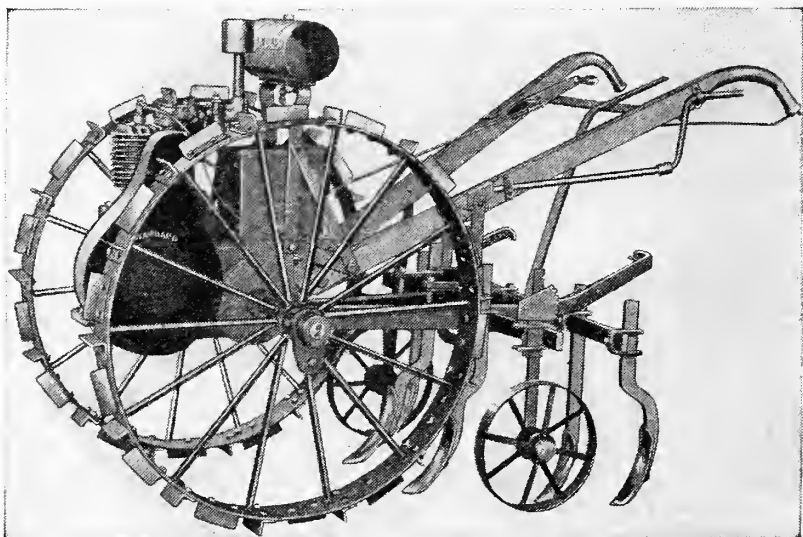
The **Standard Tractor** is the closest working and easiest operated machine made. It is built to stand up at real work in the dirt and grime.

With the **Standard Tractor**, the closest sort of cultivating can be done, and at the same time you have the power and stamina for heavy work when the occasion requires. **Standard Tractors** are built to stand up at hard, continuous service as well as to give constant, long-lasting satisfaction.

This handle works direct on to the double draw bar and is so located that the operator may walk either astride the row or beside the row as best suits his personal convenience.

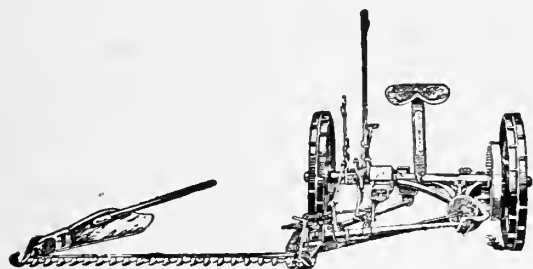
For general field work a garden tractor without an adjustable wheel tread is at a serious disadvantage. Different crops necessarily are planted in rows of different widths and the tractor to be practical should be able to meet these varying requirements.

Prices on application. Have them in stock.

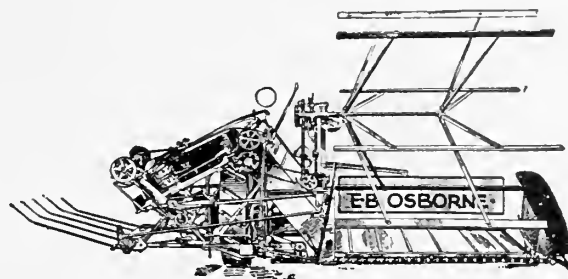


FARM IMPLEMENTS

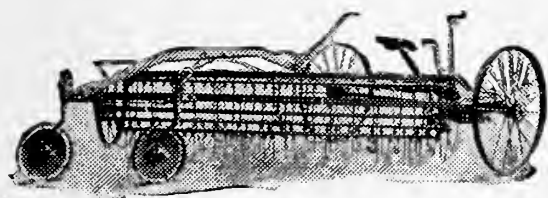
PRICES ON APPLICATION



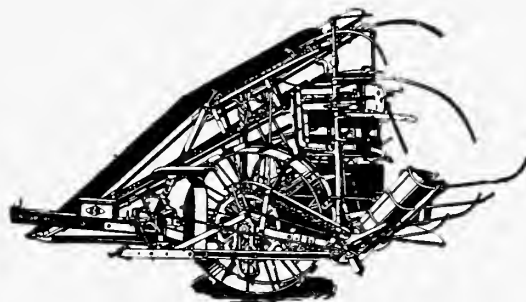
Field Mowers



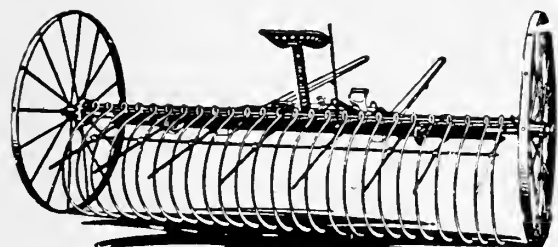
Grain Binder



Side Delivery Rake



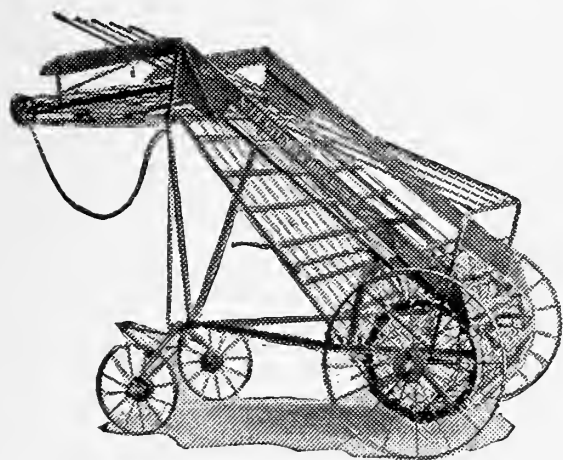
Corn Harvesters



Dump Hay Rake



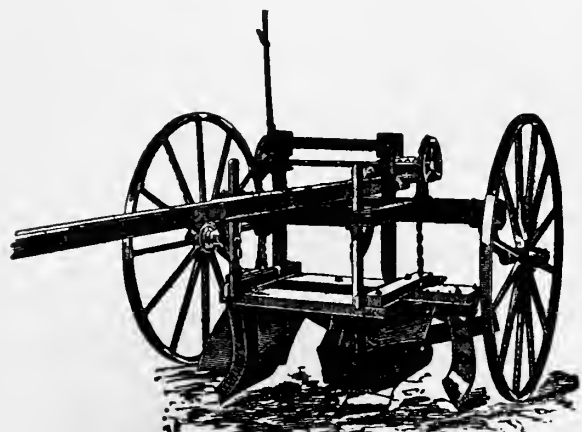
Potato Digger



Hay Leaders



Feed Cookers



Asparagus Ridger

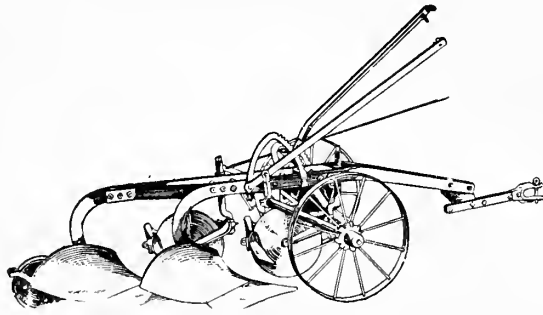


Root Cutter,

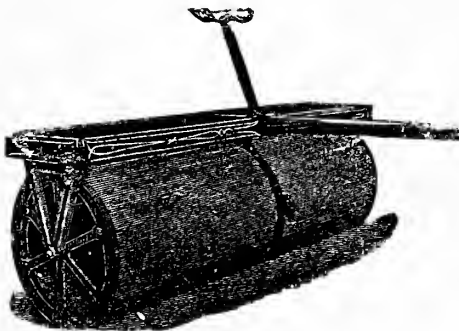
FARM IMPLEMENTS

Of the Good Kind in Stock

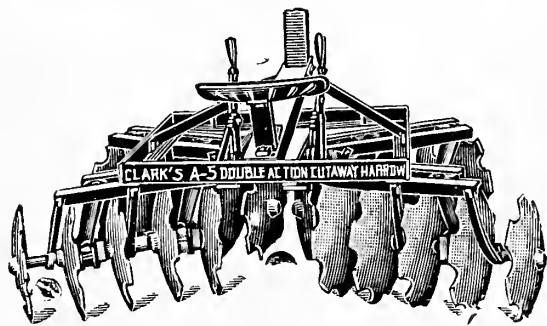
PRICES ON APPLICATION



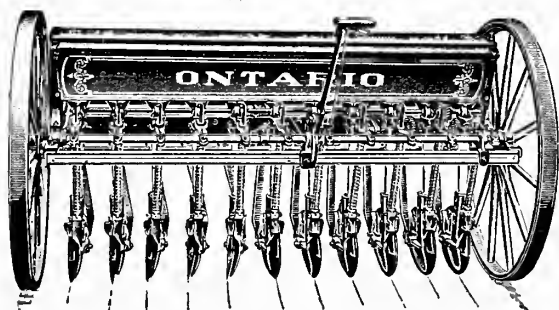
Gang Plow in 1 and 2 Gangs



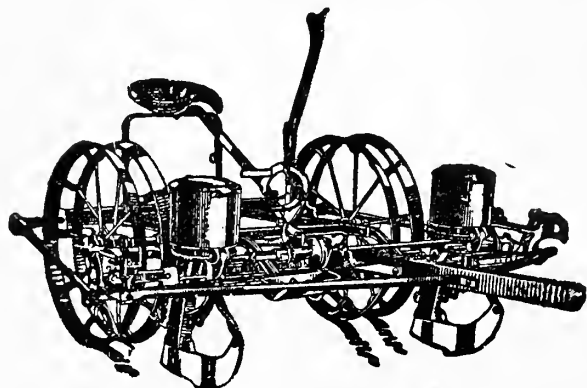
Rollers, Steel, 2 and 3 Section



Harrows in Variety



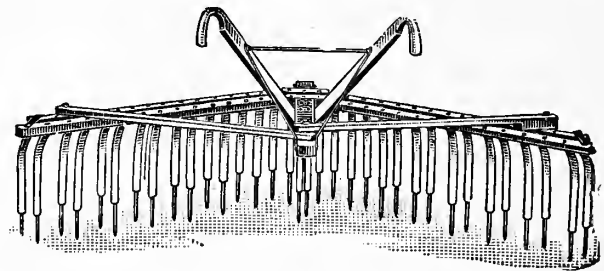
Grain Drill, Hoe and Disc



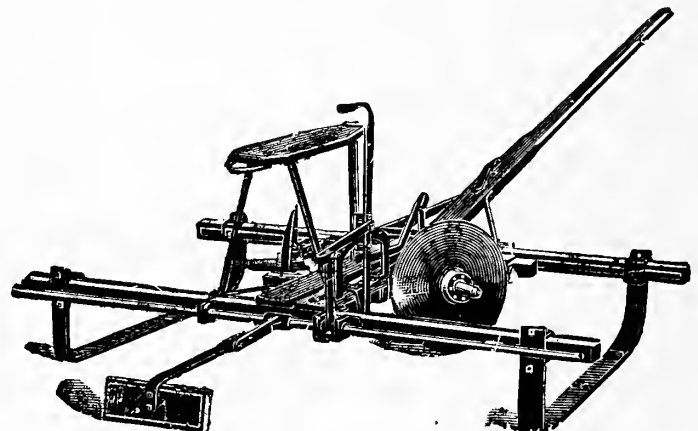
Corn Planter and Fertilizer Attachment



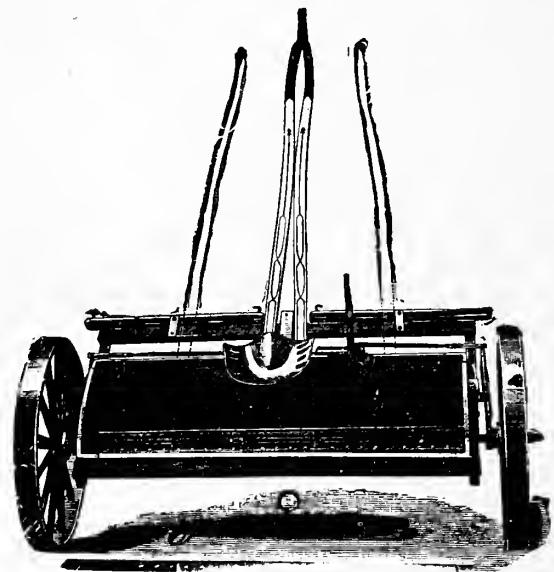
Cultivators of Various Makes



Weeders of Various Makes



Furrowing out Sleds, 2 Different Kinds



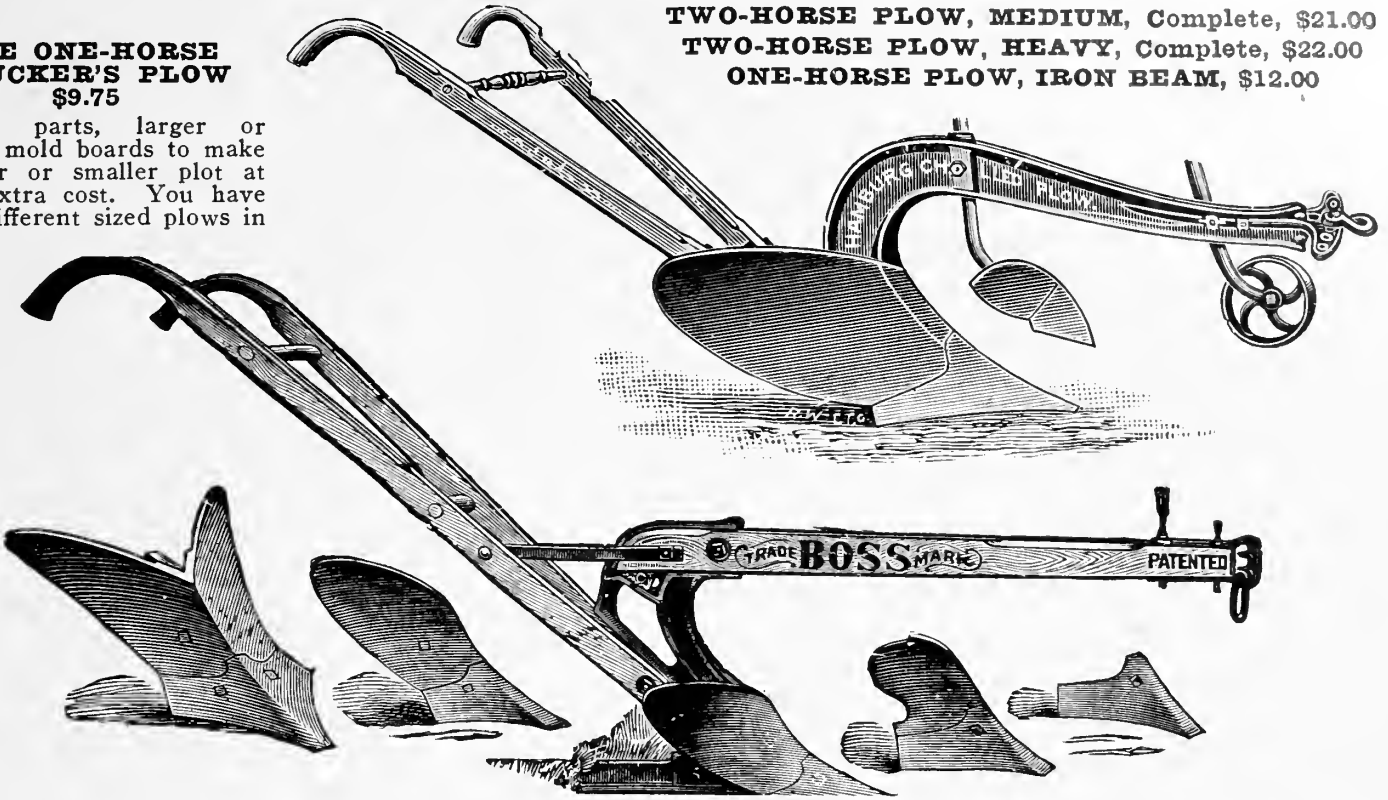
Lime Spreader, 2 Kinds



Manure Spreader—A Good One

THE ONE-HORSE TRUCKER'S PLOW \$9.75

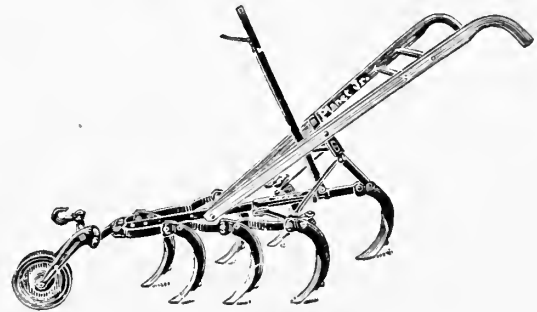
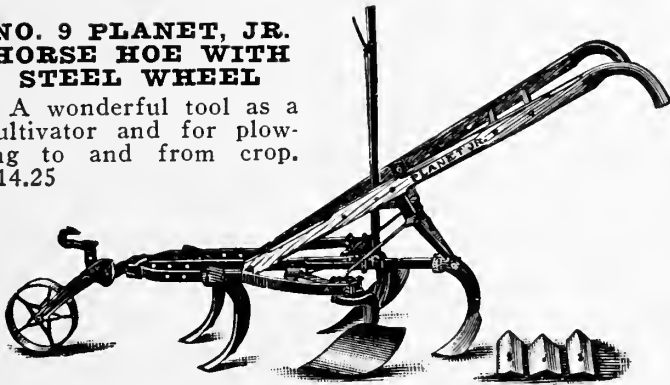
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TWO-HORSE PLOW, HEAVY, Complete, \$22.00
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NO. 9 PLANET, JR. HORSE HOE WITH STEEL WHEEL

A wonderful tool as a cultivator and for plowing to and from crop. \$14.25

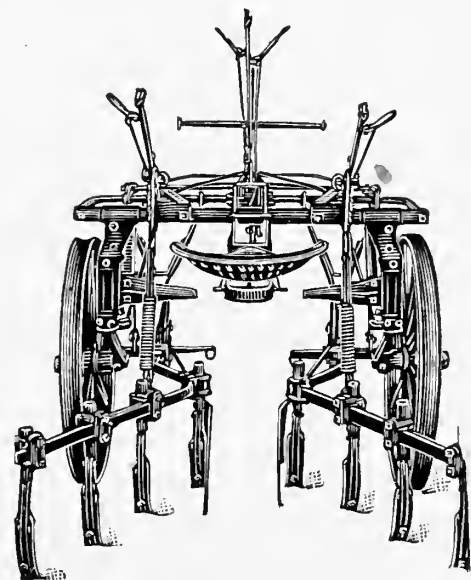
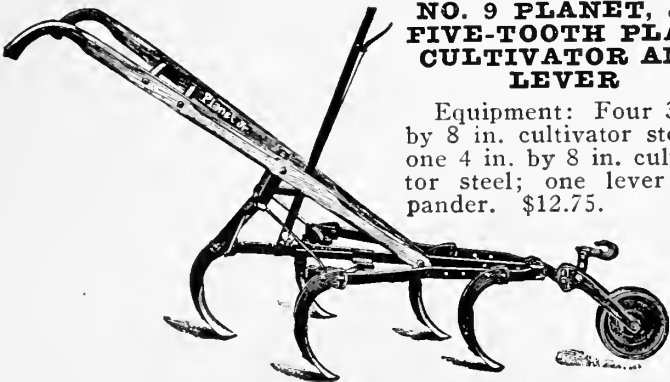


NO. 83 PLANET, JR. SEVEN-TOOTH CULTIVATOR

Equipment: Seven 2 1/4 in. by 8 in. cultivator steels; lever expander. \$14.25 with wheel; \$12.25 no wheel.

NO. 9 PLANET, JR. FIVE-TOOTH PLAIN CULTIVATOR AND LEVER

Equipment: Four 3 in. by 8 in. cultivator steels; one 4 in. by 8 in. cultivator steel; one lever expander. \$12.75.



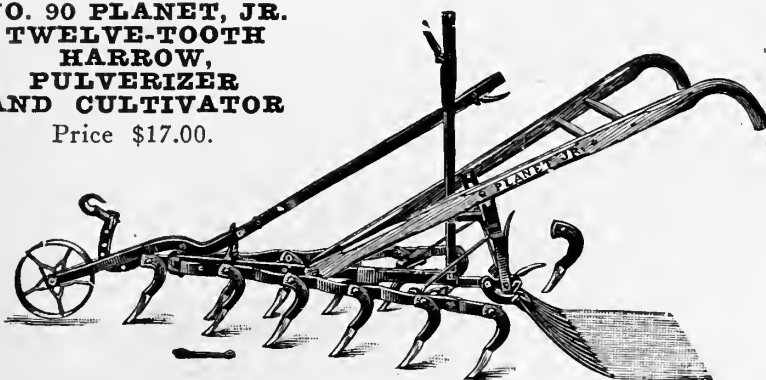
NO. 76-D PIVOT WHEEL RIDING CULTIVATOR

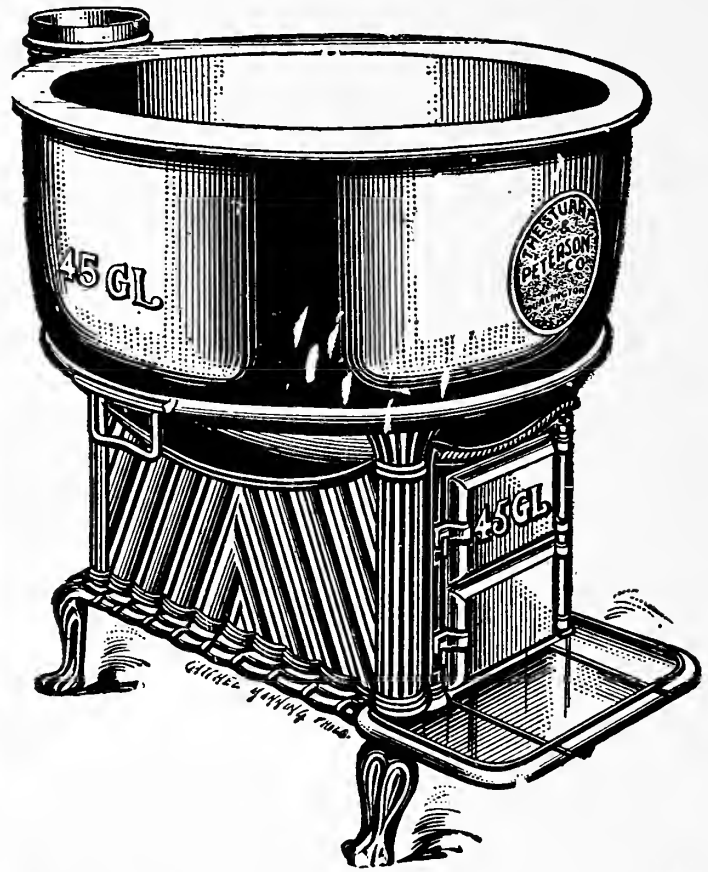
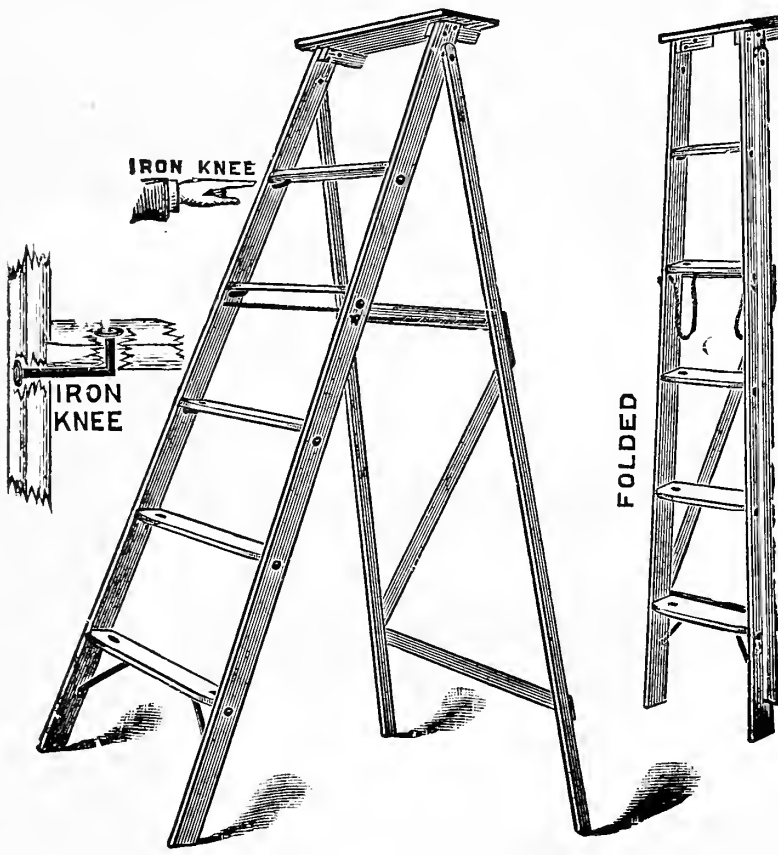
No. 76 is a very popular riding cultivator, and needed by any farmer who cultivates from ten to hundreds of acres. Extra wide arch is 34 inches high; will work corn safely up to four feet. The frame and tongue are steel. The pivot wheels change in width easily to suit all rows from 28 to 48 inches, and they make guiding a pleasure. Malleable pivots and steel axles, both practically dust-proof. A very comfortable spring seat is added. Equipment consists of eight 2 in. by 10 in. steels and other Planet, Jr. attachments can be added whenever desired. \$74.00.

We also carry in stock other makes of Riding Cultivators from \$58.00 up.

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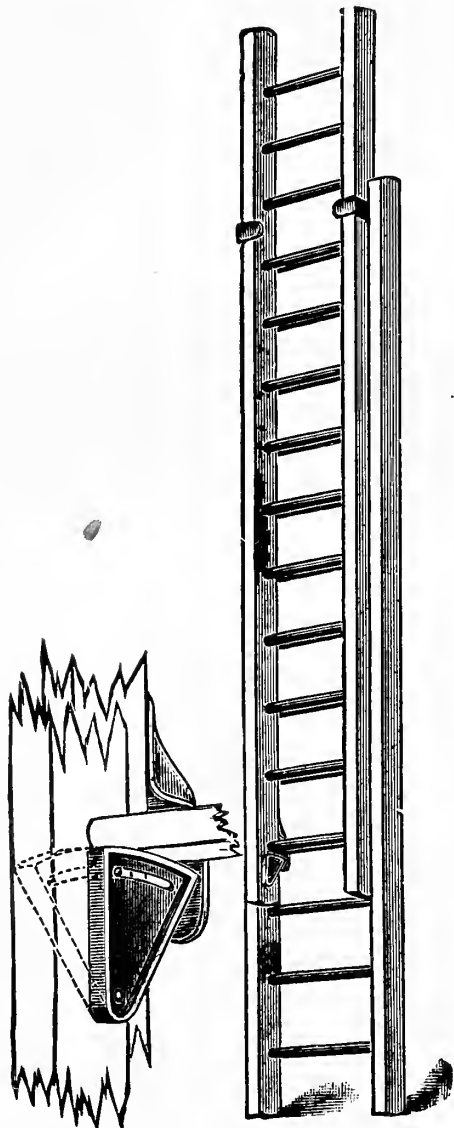
Price \$17.00.





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DELLINGER HAMMER TYPE MILL

Dellinger hammer type mill with roll feed and governor grinds all grain and roughage raised on farm in any degree of fineness. Swinging hammers of special design grind a better grade of feed with less power.

Principle of the Dellinger Hammer Type Mill

The principle of grinding feed with Dellinger Hammer Type Mill is that the hammers strike the material in mid-air. No metal touches metal. All friction is eliminated. The battery of hammers revolving at high speed keeps the material in suspension.

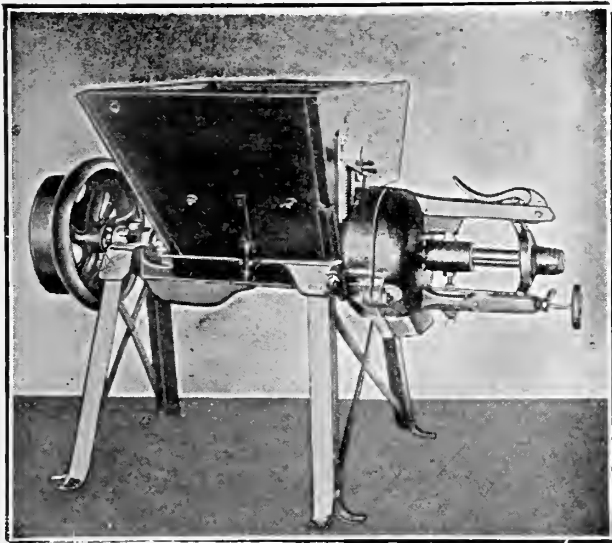
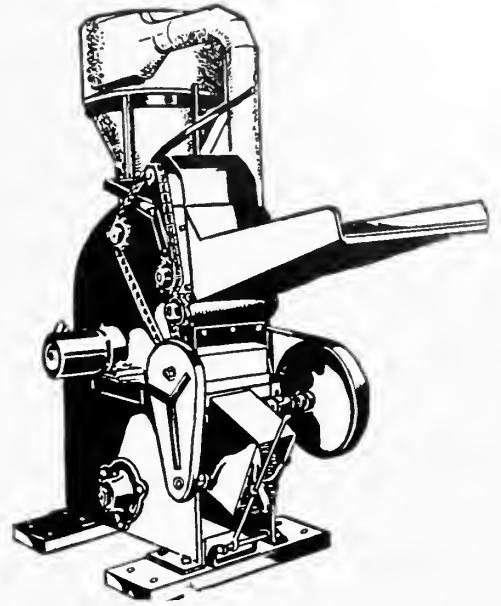
The quality of the feed ground depends on the size of the screen used. Screens can be furnished in any sizes from 1-16 in. to 1 in. Any two screens 3-16 in. or larger furnishes as regular equipment. The screens are easily changed by lifting the hood, taking out one screen and inserting another, which is a very simple operation.

A Dellinger Hammer Type Mill will grind from 600 to 1,500 pounds of oats per hour; cob corn from 1,000 to 2,000 pounds per hour; alfalfa or hay from 1,000 to 2,000 pounds per hour, depending on the screen used, speed of mill, and power used to operate it.

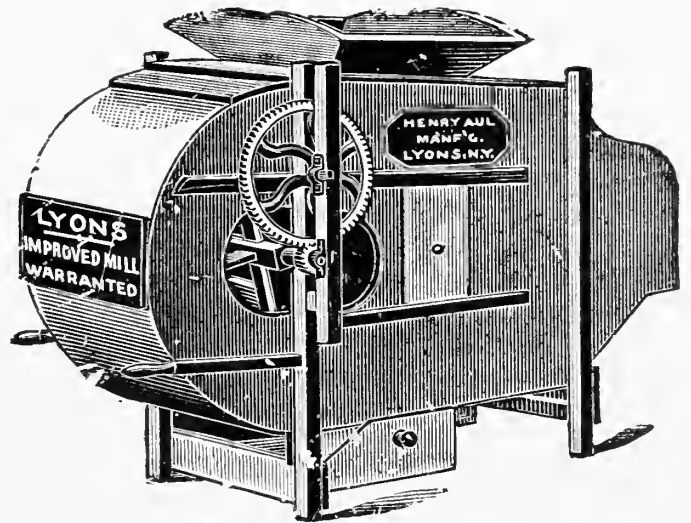
Any farm tractor or 10 h.p. electric motor will operate Dellinger Hammer Type Mill, but like other feed grinders, the more power available, the larger the quantity of feed you can grind.

Our guarantee on Peerless Hammer Type Mill is to do the work in satisfactory manner to purchaser.

In stock. Prices on application.

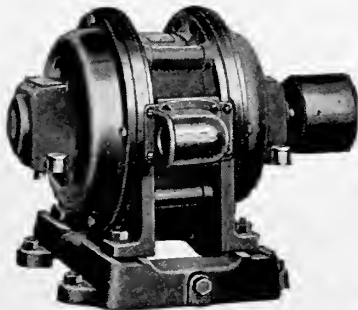


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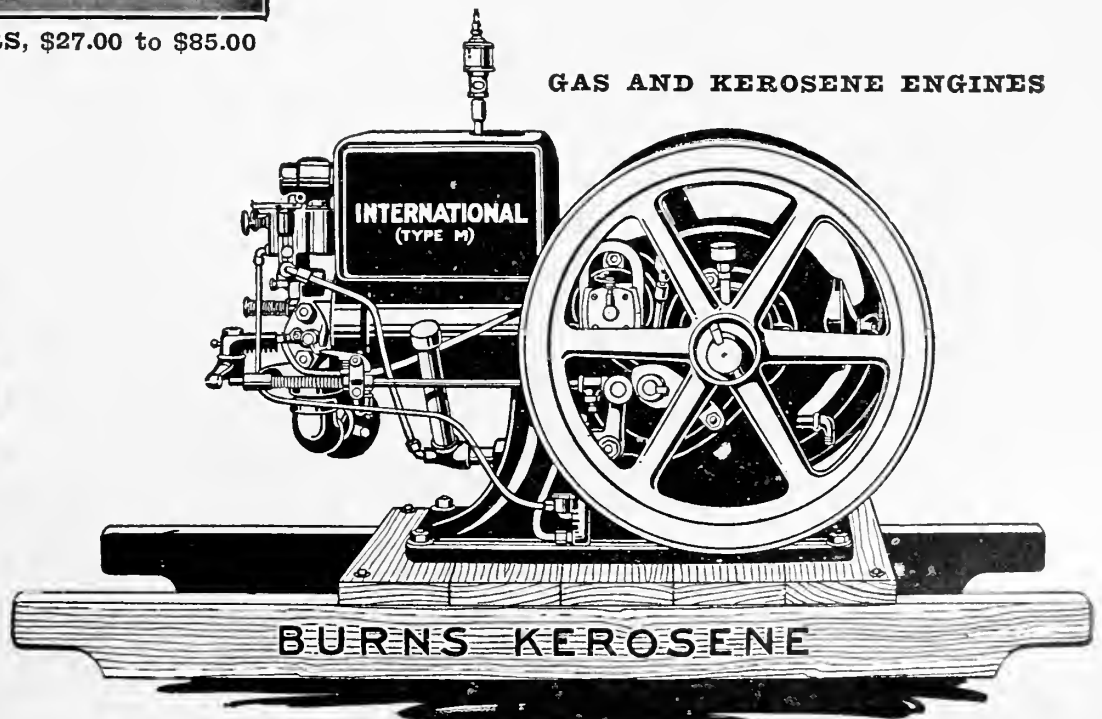
GRAIN FAN MILL, \$45.00

ELECTRIC MOTORS



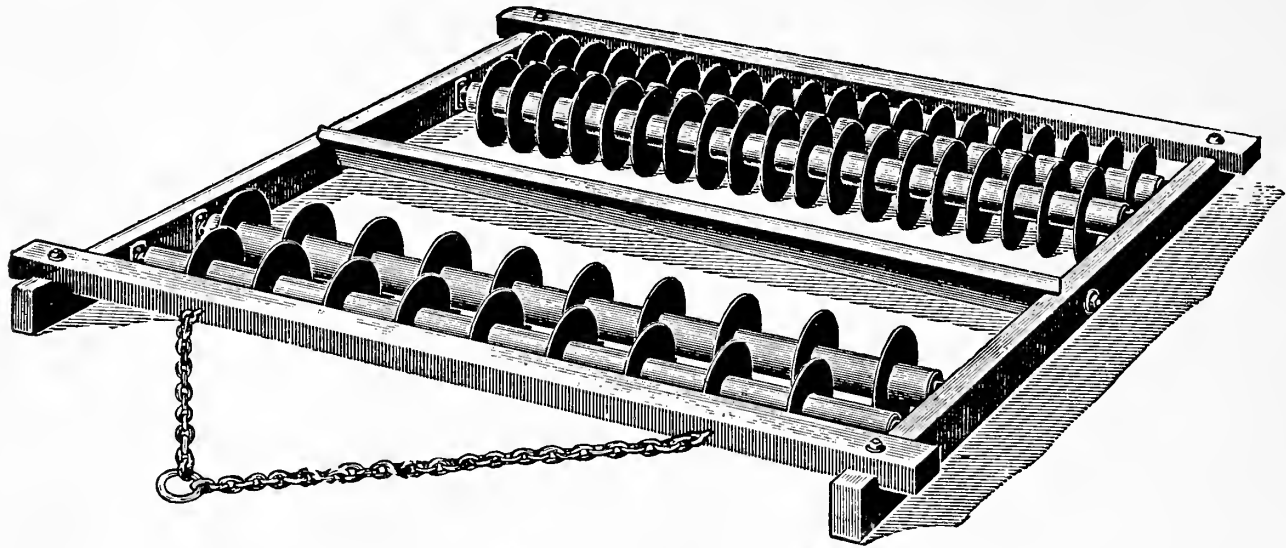
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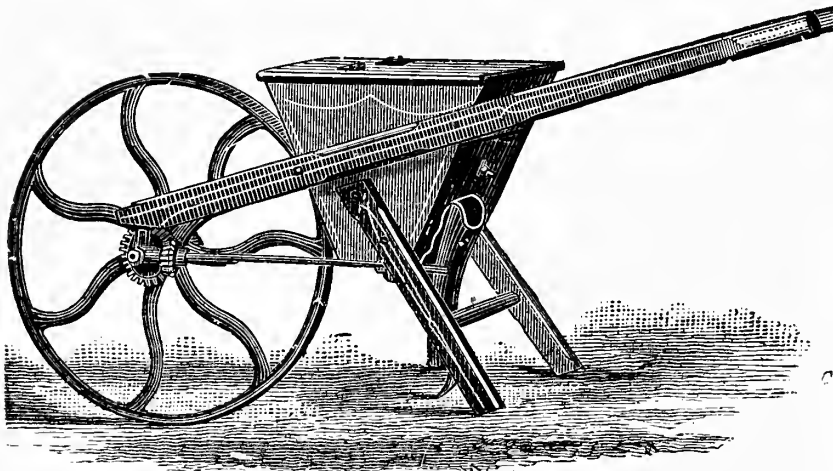


International Type M, 1/2, 3, 6 h.p.
Prices on application.

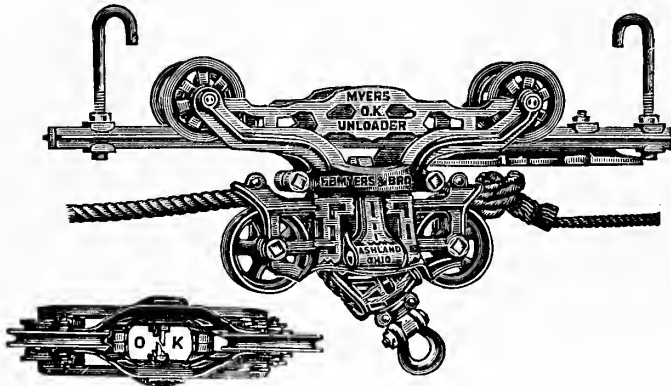
We are Headquarters for Variety of Practical Farm Machinery



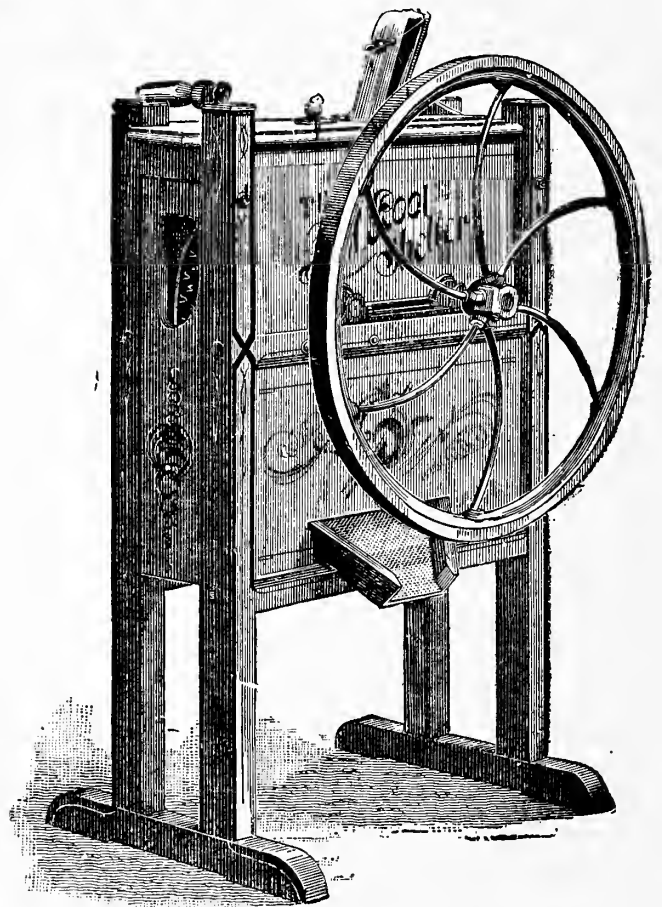
MEEKER VEGETABLE GROWERS HARROW, \$35.00



PEA AND FERTILIZER DRILL, \$16.50



HAY CARRIER

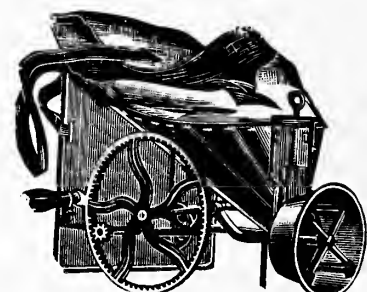


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CORN SHELLER (Two Hole), \$30.00**

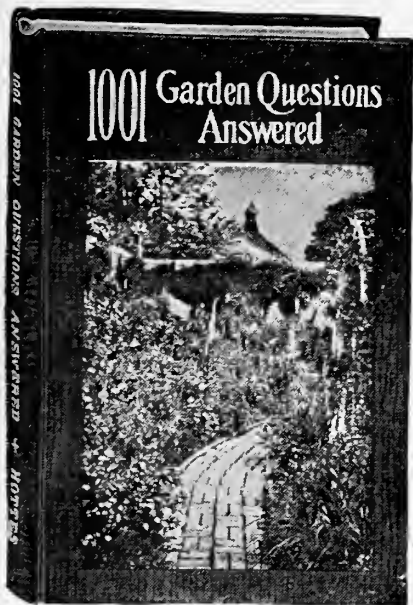


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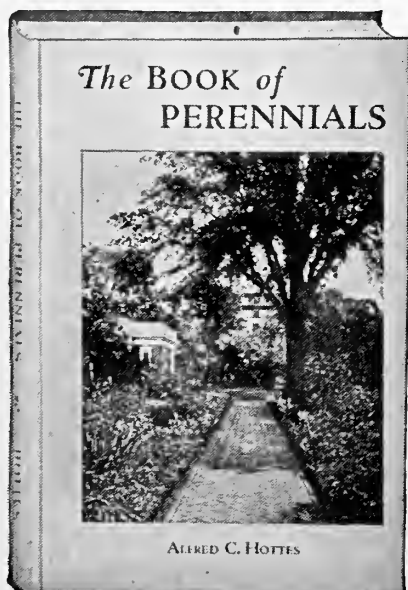
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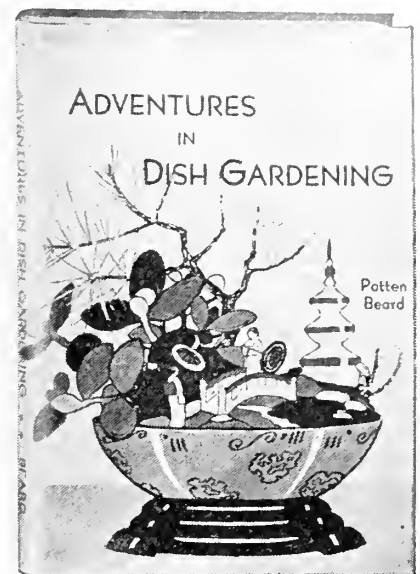
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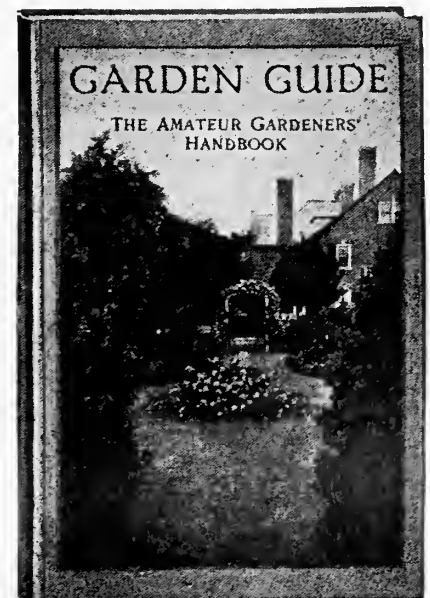
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REQUIRED PLANTS PER ACRE AT VARIOUS DISTANCES

<i>Distance Apart</i>	<i>No. Plants</i>	<i>Distance Apart</i>	<i>No. Plants</i>
12x 1 inches.....	522,720	4x 1 feet.....	10,890
12x 3 inches.....	174,240	4x 2 feet.....	5,445
12x12 inches.....	43,560	4x 4 feet.....	2,723
18x 1 inches.....	348,480	5x 3 feet.....	2,901
18x 3 inches.....	116,160	5x 4 feet.....	2,178
18x12 inches.....	29,040	5x 5 feet.....	1,743
18x18 inches.....	19,360	8x 1 feet.....	5,445
24x 1 inches.....	261,360	8x 8 feet.....	680
24x18 inches.....	15,520	10x 1 feet.....	4,356
24x24 inches.....	10,890	10x10 feet.....	436
30x 1 inches.....	209,088	12x 1 feet.....	3,630
30x12 inches.....	17,424	12x12 feet.....	302
30x30 inches.....	6,970	16x 1 feet.....	2,722
36x12 inches.....	14,520	16x16 feet.....	170
3x 2 feet.....	7,260	18x18 feet.....	135
3x 3 feet.....	4,840	20x20 feet.....	110
		25x25 feet.....	70

STANDARD WEIGHT PER BUSHEL

Alfalfa.....	60 lbs.	Hemp.....	40 lbs.
Barley.....	48 lbs.	Millet, Japanese.....	30 lbs.
Beans.....	60 lbs.	Millet, Pearl.....	50 lbs.
Buckwheat.....	48 lbs.	Oats.....	32 lbs.
Clovers.....	60 lbs.	Peas, Smooth.....	60 lbs.
Corn, Field.....	56 lbs.	Peas, Wrinkled.....	56 lbs.
Corn, Sweet.....	50 lbs.	Potatoes.....	60 lbs.
Grass, Blue.....	14 lbs.	Rape.....	50 lbs.
Grass, Broom.....	13 lbs.	Rye.....	56 lbs.
Grass, Herd.....	10 lbs.	Sugar Cane.....	56 lbs.
Grass, Orchard.....	12 lbs.	Sunflower.....	25 lbs.
Grass, Perennial Rye.....	24 lbs.	Timothy.....	45 lbs.
Grass, Tall Meadow Oat.....	13 lbs.	Vetch.....	60 lbs.
Grass, Wood Meadow.....	14 lbs.	Wheat.....	60 lbs.

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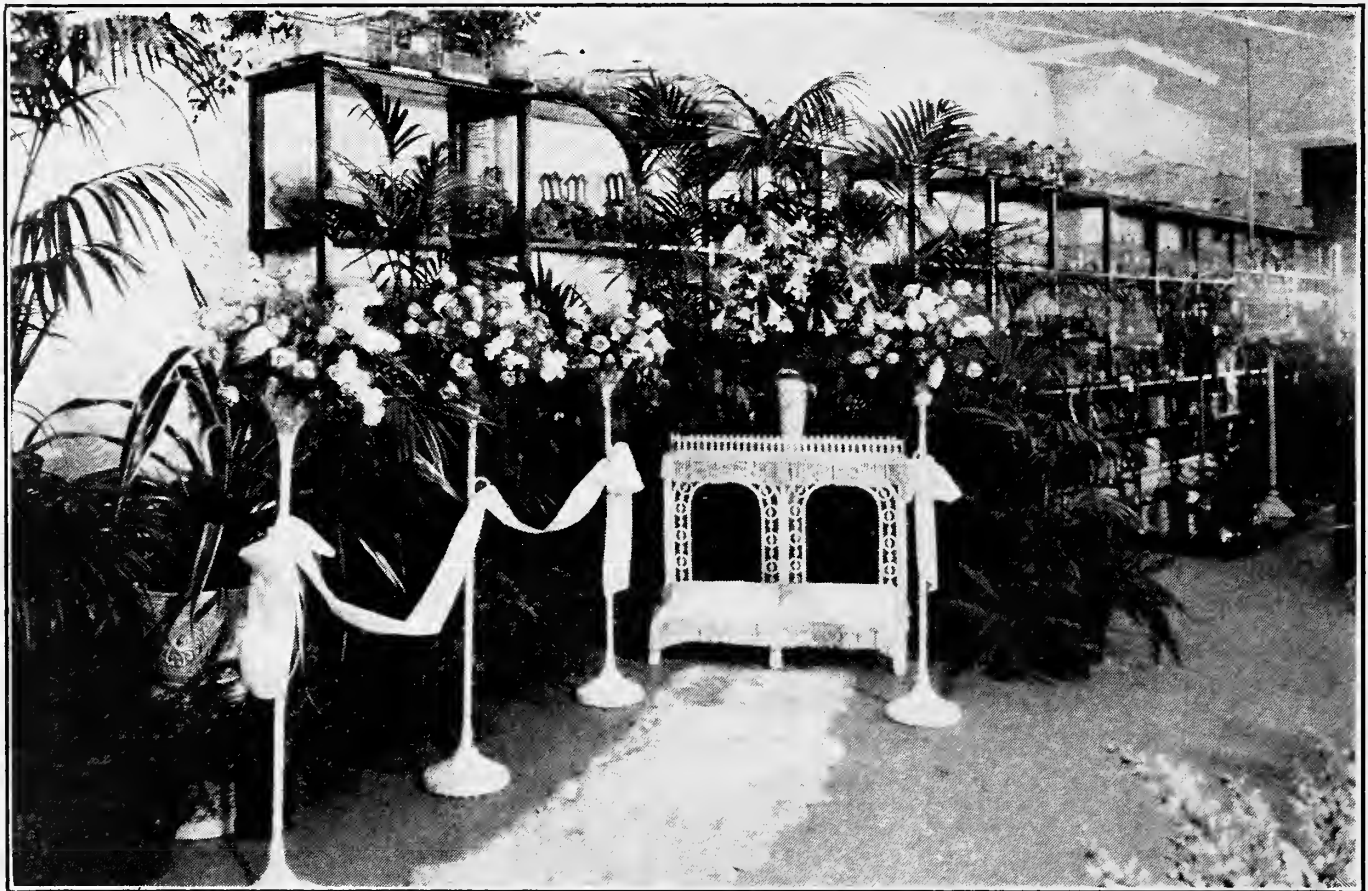
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