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THAT GROW

Nebraska Seed Co.
FIELD FLOWER SEEDS THAT GROW
GARDEN 1916

SEE THAT THEY COME FROM
The NEBRASKA SEED CO.,
OMAHA, NEBRASKA.
THE LAWN

PREPARING AND MANURING THE GROUND. First a thorough preparation of the soil is absolutely necessary. If the soil is not naturally rich it should be well fertilized. Pulverized Sheep Manure applied at the rate of one ton to the acre is especially recommended. Plow deep (spading is better), then pulverize, rake and roll until a smooth even surface is obtained.

SOWING THE SEED, ROLLING AND WEEDING. In the latitude of Omaha sow seed in March, April or May, but earlier in the season if you can prepare the soil and sow the better. The seed can be sown in September and produce a fine lawn. For small lawns, golf links, tennis, cricket and croquet grounds, use 100 lbs. per acre. When the seed is sown, rake it in lightly and after that give it a thorough rolling if possible, so as to have an even surface. Annual weeds, natural to the soil, will appear before the young grass becomes established; none of these should be allowed to ripen their seeds.

TO GRASS A BANK OR TERRACE. For each square rod, take a pound of lawn grass seed and mix it thoroughly with 6 cubic feet of good, dry garden loam; place in a tub, and add 1/4 manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied.

CUTTING, FEEDING AND WATERING. When the grass has attained a height of 4 inches it should be mown, care being exercised not to cut it too close. Frequent rolling and mowing will make the turf close and compact, strengthen the grass and render the lawn smooth and attractive. Lawns require frequent feeding and watering to keep up their vigor.

TRANS-MISSISSIPPI LAWN MIXTURE.

Will produce a permanent and beautiful lawn wherever sown.

Our Trans-Mississippi Mixture is the result of several years' careful experimenting, and, as we now offer it, is unequalled. This mixture consists of fourteen different kinds of grasses, and is composed of the best varieties for producing in the shortest possible time, a thick inter-woven carpet of the deepest green color and most lasting quality. It will not burn out brown in the hottest weather and will not require re-seeding for years. The quantity required for making new lawns is 100 lbs. per acre, or for renovating old lawns one to two bushels. For a plot 15x20, or 300 square feet, one quart is required for new or one pint for renovation. Price, per lb. 25c; 3 lbs. 65c; 5 lbs. $1.00; 7 lbs. $1.35; 10 lbs. $1.85; 14 lbs. $2.50; 25 lbs. $4.25; 50 lbs. $8.25; 100 lbs. $16.00.

THE NEBRASKA'S SEED CO.'S "SHADY NOOK" LAWN SEED

This is especially prepared for shady places under trees and for light sandy soil where it is difficult to get a stand of grass. Price, per lb. 25c; 3 lbs. 65c; 5 lbs. $1.00; 7 lbs. $1.35; 10 lbs. $1.85; 14 lbs. $2.50; 25 lbs. $4.25; 50 lbs. $8.25; 100 lbs. $16.00.

KENTUCKY BLUE GRASS

Many prefer this to a mixture of grasses, and the fact cannot be denied that a lawn of Blue Grass is magnificent; it takes longer, however, to get it established. Fancy clean seed. Price, per lb. 25c; 3 lbs. 65c; 5 lbs. $1.00; 7 lbs. $1.35; 10 lbs. $1.85; 14 lbs. $2.50; 25 lbs. $4.25; 50 lbs. $8.25; 100 lbs. $16.00.

WHITE CLOVER

Fancy Seed. Per lb. 70c; 3 lbs. $2.05; 5 lbs $3.10; 10 lbs. $6.50.
Our 25th Anniversary

FROM a small beginning in 1891 The Nebraska Seed Company has developed into the leading wholesale seed establishment of the west.

The fact that our growth has been steady and continuous from the first admits of but one conclusion—that we have rendered satisfactory service, since no business continues to grow and prosper which is not serving its patrons satisfactorily. We take this occasion to thank our many customers for their patronage and assure them that we will leave nothing undone to merit a continuance of their confidence.

THE NEBRASKA SEED CO.

Success in growing plants from seeds and bulbs is due so largely to weather conditions, methods of planting and other causes over which we have no control that failure is not always dependent on the seed or bulb.

While we send out only such seeds, bulbs and plants as we believe will grow and produce the kind of plant and variety represented, and it must be plain to every thinking person that it is to our best interest to do this, yet The Nebraska Seed Co. gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.
General and Descriptive List of Tested

VEGETABLE SEEDS

FOR 1916

Comprising All the Leading and Most Popular Varieties With Brief Cultural Directions.

The following prices are based on purchaser paying express and freight charges. If seeds are wanted by mail add 10c per lb. All Packets, ounces and quarter pounds are sent postage paid.

ASPARAGUS

Spargel. Asperge.

CULTURE.—Sow thinly in drills 1 inch deep 1 foot apart in April or May. Thin to 4 inches, leaving only the strongest plants. Transplant when one or two years old in a thoroughly enriched soil, dug up to a depth of 18 inches. Set three rows 1 foot apart in a 5-foot bed, plants 1 foot apart in the row. Never cut too closely, as the roots need some foliage to continue their growth.

PALMETTO. An exceedingly early bright green Asparagus of good size and splendid flavor. Very productive. Pkt. 5¢; oz. 10¢; ¼ lb. 30¢; lb. 70¢.

COLOSSAL OR ARGENTEUIL. The famous French variety, large and productive. Pkt. 5¢; oz. 10¢; ¼ lb. 30¢; lb. 50¢.

COLUMBIAN MAMMOTH WHITE. A fine large white variety. Pkt. 5¢; oz. 10¢; ¼ lb. 30¢; lb. $1.00.

BABB’S MAMMOTH. The stalks are very large, sometimes nearly an inch in diameter, with few scales; the stalks retain their thickness completely up to the top and have close round heads. They are quick growing, tender and succulent. Per pkt. 5¢; oz. 10¢; ¼ lb. 30¢; lb. $1.00.

ASPARAGUS ROOTS

For the private garden we strongly advise planting asparagus roots, saving thereby a year’s time.

Plant our 2-year-old selected roots and a full crop can be cut the next year.

PALMETTO. 1-year-old, per 25, 20¢; per 100, 60¢; per 1,000, $5.00.

PALMETTO. 2-year-old selected, per 25, 25¢; per 100, 70¢; per 1,000, $8.50.

COLOSSAL. 1-year-old, per 25, 20¢; per 100, 60¢; per 1,000, $5.00.

COLOSSAL. 2-year-old selected, per 25, 25¢; per 100, 70¢; per 1,000, $6.50.

COLUMBIAN. 1-year-old, per 25, 20¢; per 100, 60¢; per 1,000, $5.00.

COLUMBIAN. 2-year-old, selected, per 25, 25¢; per 100, 70¢; per 1,000, $5.50.

ASPARAGUS ROOTS.

ARTICHOKE

Artichoke. Artichaut.

The popular European vegetable, grown for the flower heads, which are cooked in the unripe state, similar to Asparagus.

CULTURE.—Sow in February or March in hotbed or boxes. When ground is ready transplant 2 feet apart in rows 3 to 4 feet apart.

LARGE GREEN GLOBE. Largest and best. Pkt. 5¢; oz. 35¢; ¼ lb. $1.00.

BRUSSELS SPROUTS

Rosen-Kohl. Chou de Bruxelles.

CULTURE.—Sow in March or April like Cauliflower and transplant in July 1 foot apart rows 1 ½ feet apart. Highly esteemed for boiling during the late fall and winter months. The "sprouts" resemble miniature cabbage, growing closely on the stalk of the plant.

IMPROVED DWARF. A standard variety producing compact heads of fine quality. Pkt. 5¢; oz. 30¢; ¼ lb. 70¢; lb. $2.25.
BEANS — DWARF, BUSH OR SNAP

Bohne. Haricots.

GREEN PODDED VARIETIES

CULTURE.—Early in the spring, after the ground is perfectly warm, the Beans should be sown in drills 2 inches deep and 18 inches apart, dropping the Beans 3 inches apart in the drills. Hoe well in dry weather and plant every two weeks for a succession.

**FULL MEASURE.** Pods round and extremely long, many measuring five inches, and perfectly stringless. The quality is excellent, being very tender and remaining so even after pods mature. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

**STRINGLESS GREEN POD.** This variety is ready for use several days ahead of Valentine, is absolutely stringless, retains its tenderness long after maturity, and remains longer crisp and brittle after picking than any other variety. Its earliness and unequaled productiveness make it positively the best green bean. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

**EARLY BOUNTIFUL.** This is practically a stringless Early Yellow Six Weeks. The pods are borne early, grow to large size and are broad and fleshy. They are of fine quality and cook tender. The plant continues in bearing for a long period. Lb. 35c; 2 lbs. 65c; 5 lbs. $1.50.

**GIANT STRINGLESS VALENTINE.** A mammoth podded selection from the original Stringless, not quite so early, but the pods are one-third larger. They are always absolutely stringless, round, full and fleshy, surpassing all others in crispness and flavor. Lb. 35c; 2 lbs. 65c; 5 lbs. $1.50.

**IMPROVED RED VALENTINE.** Pods round. Unusually hardy, very early, yields handsomely. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

**REFUGEE 1,000 TO 1.** Pods round and of fine flavor. Used extensively for canning. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

**LONG YELLOW SIX WEEKS.** Early, productive and of excellent quality; pods often eight inches long; a popular variety. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

**PROLIFIC TREE.** A field variety of upright branching habit, not liable to rust. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

**WHITE MARROW.** Grown exclusively as a shell bean for winter use. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

All varieties of Beans, unless otherwise quoted, regular pkt. 5c.

Inoculate Beans to secure full pods and rich flavor. See Page 59.
BEANS — DWARF, BUSH OR SNAP WAX PODDED VARIETIES

DAVIS' KIDNEY WAX. The pods are long, straight, of a creamy white color, do not stain in cannning, and are very brittle, crisp and tender. The vines are vigorous and well-nigh rustproof. It is positively the most productive wax bean in existence and remains fresh and brittle long after picking, making it an excellent shipper. It is also unequalled for baking. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

WARDWELL'S KIDNEY WAX. One of the earliest, hardiest and most prolific of the wax podded varieties, bearing long, tender stringless pods of a creamy yellow color and delicious flavor. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

NEW ROUND POD KIDNEY WAX. The pods of this new variety are perfectly round, long and entirely stringless. It fully equals its parent, the well-known Wardwell's Kidney Wax, in every respect. It is decided acquisition. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

NEW PROLIFIC GERMAN WAX. The most improved type of the Black Wax Bean, combining the qualities of earliness, productiveness and size of pod with excellent flavor and handsome appearance. Easily harvested, free from rust. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

FENCIL POD BLACK BEAN. The best quality round pod early Wax bean. It has a bushy growth, height 15 inches; is extremely productive. Pods are straight, round, six to seven inches long, thick, absolutely stringless, of one flavor; color medium yellow. The seed is black. An all round high quality sort for the kitchen garden or the market gardener. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

NEW HODSON WAX. The most vigorous of any dwarf wax podded bean yet introduced and the yield of large, handsome pods is enormous. Its dense foliage so completely protects the pods that their color is an unusually clear creamy white. Pods very long, straight and of very good quality. While late in maturing the remarkable vigor of the plant is an effective safeguard against blight and other bean diseases. Seed long, cylindrical, uniform in shape; color light yellowish-brown, heavily splashed with dull crimson. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

IMPROVED GOLDEN WAX. A flat-podded wax variety of great merit as a main crop bean and a decided improvement on the old style Golden Wax. Unsurpassed in tenderness and richness of flavor. Also stands high in favor as a shell bean for winter use. It is a heavy and reliable yielder of large, broad, golden yellow pods which always find a ready market as splendid prices. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

RUST PROOF GOLDEN WAX. The vines are vigorous, the foliage abundant and rustproof. It is early, very productive and as a market variety it is unsurpassed. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

JONES STRINGLESS WAX. A white-seeded round podded, rust-proof variety. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

MICHIGAN WHITE WAX. One of the earliest dwarf snap beans, and might be called a white seeded Golden Wax. Bushy, a prolific variety. Lb. 40c; 2 lbs. 75c; 5 lbs. $1.75.

BUSH LIMA BEANS

NEW WONDER BUSH LIMA. Earlier and more prolific than Burpee's. The plants are large, compact and very prolific. The pods are green, up to large, and of excellent quality. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

DREER'S BUSH LIMA. Is the bush form of Dwarf Podded Lima. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

BURPEE'S BUSH LIMA. Grows eight to twenty inches high, and is very productive. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

HENDERSON'S BUSH LIMA. Smallest of the dwarf Limas and at least a week the earliest. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

POLE OR RUNNING BEANS

Stangenbohne. Haricots a rames.

CULTURE. These are more tender and require more care in culture than the bush beans and should be planted in a sunny location from three to four feet apart; plant five or six beans in a hill, leaving a space in the center for the formation of a ring. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

DREER'S IMPROVED LIMA. Exceedingly hardy and productive. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

BUSHY GOLDEN CLUSTER WAX. Only 7 days later than Dwarf Golden Wax. A heavy yielder and of the finest quality. Lb. 35c; 2 lbs. 65c; 5 lbs. $1.35.

DUTCH CASHEW KNIFE. A standard sort. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

KENTUCKY WONDER. Vines vigorous climbing well and very productive, bearing its pods in clusters, often reaching nine or ten inches. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

SWISS WIFE. One of the best for snaps of the later green podded pole beans. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

SCARLET RUNNER. Chiefly grown for its brilliant scarlet flowers. Lb. 45c; 2 lbs. 85c.

KING OF THE GARDEN LIMA. Vines very vigorous and productive. Pods five to six inches long, filled with four or five immense white beans of the best quality. As a result of the large pods it is a favorite with market gardeners. It will come into bearing sooner and will make large heads. It is for market use, more than two vines are left to grow on a pole. Seed very large, oval, flat, with slight greenish tinge. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

COAST, OR CORN HILL. An old variety, very popular in the central and southern states for planting among corn. It will give a good crop without the use of poles. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.
CROSBY'S EGYPTIAN.

CROSBY'S EGYPTIAN. One of the best for early planting out doors. It is a most excellent sort, becoming fit for use sooner than any other variety. An improved strain of the Early Egyptian, being much thicker, smoother and of better color and quality. We recommend this variety as an extra early beet for bunching. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

ECLIPSE. An extra early beet of smooth and uniform growth, with very small collar and tap root. Color an intense crimson, with lighter zones. Exceptionally crisp, sweet and tender. Stands up exceptionally well after pulling, hence is a splendid market beet. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

DETROIT DARK RED TURNIP. A grand beet for bunching for market; tops are exceptionally small and uniformly upright; roots are perfect turnip shape with small tap roots. The principal fault with most turnip beets is the occasional appearance of white rings, but by careful selection this has been overcome, and this will be found one of the deepest red beets. Quality is the very best, sweet and tender. Gardeners can safely plant it largely. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

CRIMSON GLOBE. An extremely handsome, early or main-crop variety, of medium size, almost globe shaped, and entirely free from rootlets, leaving the skin entirely smooth. The roots average 10 inches in circumference, the foliage is small and of a rich bronze purple. The flesh is a rich, blood red, slightly zoned and of the finest quality, always sweet and tender, never stringy. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

EXTRA EARLY EGYPTIAN. The best variety for forcing and unexcelled for first early crop out of doors. The roots are of a deep crimson color, rounded on top and flattened beneath. The tops are unusually small. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

EARLY BLOOD TURNIP. A standard second early variety which attains a good size and is excellent for late keeping. The root is long and smooth. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

EDMUNDS BLOOD TURNIP. The best beet for late keeping. Attains a good size, grows smooth and uniform roots, tops are small. Flesh deep red zoned with lighter shade. We recommend this for a main crop beet. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

ELECTRIC. Extra early. Nearly round variety. Tap root small. The color is a very dark, rich crimson, with rings of a lighter hue. It is extremely early, coming in with Extra Early Egyptian. The flesh is rich and sugary. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

LONG SMOOTH BLOOD. The standard long sort. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

SWISS CHARD, OR SPINACH BEET. This variety does not produce an edible root like the regular garden beet, but is highly esteemed for the broad white leaf stalks and midribs which are cooked and served in the same manner as asparagus, making a delicious vegetable. The leaves are also cooked like spinach and considered equally palatable. Two separate dishes may thus be grown from one plant at the same time. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 90c.

CHIVES

Schnittlauch.

CHERVIL

Gartenkerbel. Cerfeuil.

By many this is preferred to parsley for garnishing, and its aromatic leaves are much used for seasoning and in salads. Sow early in the spring in rich, well prepared sand soil. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. $1.25.

CHICORY

Cigorien. Chicoree.

LARGE ROOTED, OR COFFEE. Sown in drills, the roots become well developed. When they are dried, roasted or ground, they become the chicory of commerce, and are used in adulterating coffee. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.
MANGELS OR STOCK BEETS

Root crops are highly valuable and worthy of more general cultivation in the United States. The feeding value of roots is directly proportional to the dry matter content. This dry matter, pound for pound in the case of sugar beets, when fed to cattle is more eagerly eaten and more digestible. This dry matter runs from 10 to 14 per cent of total weight. Thus a low yield of 20 tons would give over 2 tons of dry matter equal to 65 bushels of corn. A supplementary ration of cereal is good.

Successful cultivation depends largely upon a well prepared seed bed, ploughed deep and well pulverized. Sow 6 pounds of seed per acre on good land and yields of 40 and 50 tons per acre may have been taken not uncommonly. The Mangel is a dependable cropper, ripening after harvest, is ready to feed January 15th. Mangel diet gives one-third more milk than potatoes when fed to milch cows.

**DANISH SULSTRUP.** The Danish government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sulstrup is considered the best of all mangles, having been awarded first-class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled. Oz. 10c; ¼ lb. 15c; lb. 40c.

**HALF SUGAR MANGEL.** The roots of this new variety are valuable for their very high dry matter content, being, pound for pound, nearly equal to the best strains of sugar beets. Besides which they are more succulent in feeding than the latter. Moreover, as they grow out of the ground, they are much more easily harvested than are sugar beets. Oz. 10c; ¼ lb. 15c; lb. 40c.

**GIANT ECKENDORF MANGEL.** This is the most popular German variety of mangel. In Germany it is more largely planted than any other sort. Selected especially for a square, chunky type, it is valuable not only for its high percentage of dry matter, but also for its roots which weigh as high as fifteen and twenty pounds apiece. They grow cylindrical in shape and are yellow. As the greatest portion of the root grows above the surface of the soil, they are easily harvested, and their chunkiness prevents their breaking in handling. This is one of our best varieties. Oz. 10c; ¼ lb. 20c; lb. 60c.

**MAMMOTH LONG RED.** This is the most productive mangel variety, yielding enormously. Crops as high as forty to sixty tons to the acre have been produced. It is a single root often weighing twenty to thirty pounds. It grows well above the ground, and is easily pulled. Our stock shows a very good percentage of dry matter, and has been carefully selected for large, thick roots. Oz. 10c; ¼ lb. 15c; lb. 40c.

**GOLDEN TANKARD.** This is the best known yellow mangel. It is a very distinct variety and contains probably the largest percentage of dry matter of any of the mangles. It is cylindrical in shape and easily pulled; very hardy and a good yields. Oz. 10c; ¼ lb. 15c; lb. 40c.

**MAMMOTH LONG YELLOW.** Similar to Long Red except in color. Oz. 10c; ¼ lb. 15c; lb. 40c.

SUGAR BEETS

The growing of Sugar Beets in the United States has become one of our most important industries. Our seed is from the best growers, who select all their beets by laboratory tests for high sugar content. Our seeds will raise beets with a much higher percentage of sugar than seed ordinarily offered. They are also superior for stock feeding, as they are very high in dry matter content.

**VILMORIN'S IMPROVED.** An improved French variety, exceedingly rich in sugar. Under average conditions it has yielded 14 tons of roots to the acre, containing about 16 per cent of sugar. Oz. 10c; ¼ lb. 15c; lb. 40c.

**KLEIN-WANZLEBEN.** This kind is cultivated on a larger scale than any other sugar beet. The root is comical, straight and even, quite large at the top and tapering toward the base. A very dressing and is a heavy yielder. Oz. 10c; ¼ lb. 15c; lb. 40c.

**FRENCH RED TOP SUGAR.** Combines with heavy yield a good percentage of sugar. It is very hardy and productive, yielding about twenty tons to the acre. A most desirable sort for stock. Oz. 10c; ¼ lb. 15c; lb. 40c.

**LANE'S IMPERIAL.** Heavy yielder, flesh snow white. Oz. 10c; ¼ lb. 15c; lb. 40c.

CORN SALAD

**Feldsalat. Mache.**

**CULTURE.** Sow early in the fall or first of the spring, in shallow drills, about twelve inches apart. Cover lightly and if very dry occasionally water. To protect through the winter cover with straw or light evergreen brush.

**LARGE LEAVED.** The best variety cultivated Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 80c.

CRESS

**Kresse. Cresson.**

**CULTURE.** Sow peppergrass early in the spring in shallow drills, and every two or three weeks for a succession; cut often, as it will continue to grow. The watercress must be sown on the margin of a stream or running water or in a very moist location.

**CURLED, OR PEPPERGRASS.** Common and well known. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 50c.

**TRUE WATERCRESS.** Leaves tender and highly flavored. Pkt. 5c; oz. 30c; ¼ lb. $1.00; lb. $2.00.
CABBAGE
Kopf Kohl. Choux Pommes.

CULTURE.—To secure early cabbages sow seed in fall in boxes and winter the young plants in cold frames, or it may be sown in February or March in hotbeds. The latter plan is generally adopted in this neighborhood. The February sown plants, when large enough, should be transplanted into cold frames, and as early as the ground is in fit condition they should be planted into the garden in rows about two feet apart and about eighteen inches apart in the row. The late varieties should be sown about the 1st of May and set out in the garden in July. As these grow larger than the early varieties, they should be planted in rows about three feet apart and about two feet apart in the row.

COPENHAGEN MARKET.

COPENHAGEN MARKET, OR DANISH SUMMER BALLHEAD. This splendid new variety, first introduced by us in 1912, is an extra early round-headed sort, maturing with the Wakefields and is of much larger size. Where grown alongside of all other early sorts it was ready for cutting a week sooner than any of them. Each plant formed a perfect, tightly-folded head, averaging five to eight pounds in weight and about eight inches in diameter each way. The compact growth of the plant, the solidity of the head, its excellent flavor and extreme earliness—all combine to make Copenhagen Market one of the most meritorious cabbages that have come to our notice in a decade. We pronounce it, without reserve, the finest and earliest round-headed sort in cultivation today. Pkt. 10c; oz. 30c; oz. 50c; ¼ lb. $1.75.

DANISH ROUNDHEAD. A new late variety, which matures earlier than the Danish Ball Head. The heads are round and have a short stalk, and for solidity this variety is ahead of all others. The interior leaves are pure white and of sweet flavor. It is a healthy variety and able to stand hot weather and resist disease. The seed we furnish was grown for us in Denmark and is pure. Pkt. 10c; oz. 30c; ¼ lb. $1.00.

EARLY JERSEY WAKEFIELD SELECTED. This is positively the best first early cabbage in existence, combining a uniformity of earliness and of crop, most unusual in first early varieties. It forms fine, solid heads of good size and the best quality, conical in shape, with few outside leaves, admitting of close planting. Its extreme earliness makes it a sure money maker for the gardener who plants it for the early markets. The purity of our strain is unsurpassed. Pkt. 5c; oz. 15c; ½ lb. 60c; lb. $2.00.

EARLY SPRING. This now famous extra early cabbage has been grown by a number of the progressive cabbage growers of the country, and it has given entire satisfaction. Market gardeners cannot afford to be without it, as it will be a good seller. Pkt. 5c; oz. 30c; ¼ lb. 80c; lb. $2.30.

HENDRED’S EARLY SUMMER. This variety is deservedly popular with market gardeners. It forms large, solid, round, compact heads of excellent quality. Pkt. 5c; oz. 30c; ¼ lb. 80c; lb. $2.00.

EARLY JERSEY WAKEFIELD.

LARGE JERSEY OR CHARLESTON WAKEFIELD. While but a few days later, this sort forms heads nearly double the size of the Early Wakefield. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. $2.00.

EARLY ALLHEAD (SUREPEE). For uniformity, reliability of heading, size, quality and earliness, this variety is unequalled. Its few outer leaves allow close planting, increasing its profitableness. Pkt. 5c; oz. 30c; ¼ lb. 60c; lb. $2.00.

HENDRED’S SUCCESSION. One of the finest second early cabbages yet introduced. It is about one week later than the Early Summer, but is double the size and is so finely bred that in a field of ten acres, every head was a perfect specimen, fit for exhibition purposes. Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. $2.00.

ALL SEASONS. This variety is certainly one of the very best for all the year round, forming a solid and compact head of very fine quality. Pkt. 5c; oz. 30c; ¼ lb. 60c; lb. $2.00.

SUREHEAD. Very reliable cabbage, large, round, flattened heads of the Flat Dutch type. A good keeper and shipper, and has become very popular. Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. $2.00.

PREMIUM LATE FLAT DUTCH. N. S. Co’s Selected Stock. This is a sure heading strain of the Late Flat Dutch. Its large, solid heads, uniform in cropping and splendid keeping qualities, recommend it particularly to the market gardener for late or main crop use. Our stock of this variety has been especially raised for us from carefully selected heads, and is unsurpassed. Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. $2.00.

ST. LOUIS LATE MARKET. This is a large, late strain of market gardener’s cabbage. The heads are of large size, hard and firm, with but few outside leaves; stems short, foliage compact and of a beautiful green-color. It is a very desirable variety for a late crop on account of its solidity and because it is an excellent winter keeper. It also stands a considerable time without bursting. The hard, thick, flat heads are remarkably uniform in color, as well as in shape and size. Pkt. 5c; oz. 30c; ¼ lb. 70c; lb. $3.35.
CABBAGE

**DANISH BALLHEAD.** Because of its "great solidity" of head and its unequaled keeping and shipping qualities, Danish Ballhead has supplanted nearly all other varieties for winter use. Many trials have developed the superiority of the Danish seed of this variety over that grown in other countries and localities. The Ballhead we offer is the tall-stemmed strain, to be distinguished from the shorter-stemmed Hollander in the Danish grown strain of the Hollander. The heads are of excellent market size—too not large. They are very hard, almost round, fine grained, and will weigh one-fourth more than other varieties of equal size. Pkt. 5c; oz. 35c; ¼ lb. $1.00; lb. $5.00.

**DUTCH WINTER OR HOLLANDER.** This has become known in the past few years as the most reliable cabbage for the shipping trade and for late spring sales. The heads are of medium size, averaging about eight pounds, and are very solid, and in their fine white color entirely distinct from other kinds. While the quality is good they are uniformly excellent keepers, the heads being often just as solid and perfect when taken out in the spring as when put away in the fall. No cabbage will sell against it. Pkt. 5c; oz. 35c; ¼ lb. $1.00; lb. $5.00.

**SAVOY CABBAGE.**

Wirsingkohl. Chou de Savoye.

**AMERICAN DRUMHEAD SAVOY.** This is a fine American-grown strain of beautifully crumpled and wrinkled Savoy cabbage, being far superior in every way to the imported Savoy seed as usually sown. The heads are large, solid and compact, and its fine appearance and vigorous growth with its delicious flavor and tenderness, never fail to find ready sale. Pkt. 5c; oz. 25c; ¼ lb. $0.60; lb. $2.25.

**NETTED SAVOY.**

Pkt. 5c; oz. 25c; ¼ lb. $0.60; lb. $2.25.

**CARROT**

Moehre. Carroote.

**CULTURE.** For successful cultivation oil should be light (sandy soil is the best) and deeply tilled. For an early crop the seed should be sown as early as the ground can be properly worked. For late crops it may be sown until about the middle of June.

**RUBICON HALF LONG.** Since the introduction of this variety a few years ago, it has rapidly grown in popularity, until now it is more largely grown than all other varieties of carrot combined. It is the best in shape, and its deep red orange colored flesh is the finest of all in quality. It is earlier than Danvers, about the same length, but heavier and thicker at the shoulders, making it more productive. It is a wonderfully heavy cropper, producing thirty to forty tons to the acre under good field culture. It grows well under the ground, which prevents it from becoming sunburnt. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.

**EARLY CHANTENAY.** Has no equal as a bunching carrot. The roots are uniformly smooth, regular and perfect in shape. The flesh is of a beautiful deep orange, fine in texture, solid, but tender, and very sweet. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.

**GUERANDE OR OXHEART.** A variety with short thick roots, the diameter often exceeding the length. Color bright orange, sweet and fine grained, good for table or stock. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.

**DANVERS.** There is no variety grown which will produce as much to the acre, with a minimum length of root, as this one. Under proper conditions of the soil and cultivation, it may reasonably be expected to produce, which it has done, 25 to 30 tons per acre. It is of medium length and heavy at the neck, but pointed and quite smooth, color a rich orange. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.

**EARLY SCARLET HORN STUMP-ROOTED.** A fine variety of medium size; color scarlet; fine flavor. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.

**IMPROVED LONG ORANGE.** A well known standard sort, roots long, thickest near the crown, tapering regularly to a point; color deep orange; suitable for the table and main field crop. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.

**EARLY HALF LONG SCARLET STUMP-ROOTED.** An excellent variety for market gardeners, color scarlet; good for shallow soil. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.

**MASTODON.** This is the heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is white, solid, crisp, and very sweet; the roots are short and very heavy at the shoulder, which allows them to be harvested very easily. They do not break easily in pulling or storing, owing to their solidity and shape. One of the most profitable carrots: liked by both cattle and horses. Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. $1.00.
CAULIFLOWER

Blumenkohl. Chou-fleur.

Success with this choice vegetable depends very largely upon the rapid growth of the plant from the time the seed has germinated until it is established in its permanent location. Make the soil as fine as possible for every transplanting, and do not allow the young plants to become checked at any time. For spring and early summer use sow in January or February in hot bed, and transplant to cold frame when sufficiently large, and to the garden as soon as ground is warm enough. For late autumn crops sow in the early part of June, and transplant in July. In dry weather water freely and as they advance in growth, hoe deeply and draw earth to the stem. When transplanting tie the small plants loosely over the heads to protect from the sun.

N. S. CO.'S EXTRA EARLY SNOWBALL. Selected Strain. Has more points of real merit than any other cauliflower in cultivation. Extreme earliness, unusual hardiness, compact growing habit and an almost certainty to head, give it the preference over all other varieties. The heads are of large size, deliciously flavored, of the finest texture and of the purest snow-white color; in form they are beautifully rounded, uniformly large, smooth and symmetrical. Its compact growth makes it unequalled for hothouse or cold frame culture; its very superior quality has made it the leading favorite for late crop out of doors. Our seed we import direct from our growers in Denmark, where climate, soil and season exactly fill the requirements for perfect maturing of seed as well as for perfect development of plant. Pkt. 20c; 1/4 oz. $1.00; 1/2 oz. $1.75; oz. $3.00; 1/4 lb. $9.00.

NEBRASKA MARKET. Every market gardener ought to use some of this cauliflower, as this strain will head where others fail, and whether we have a dry or a wet season this cauliflower will always produce solid and pure white head. Pkt. 20c; 1/4 oz. $1.00; 1/2 oz. $1.75; oz. $3.00.

BURPEE'S BEST EARLY. This grand variety has proved to be one of the very best early cauliflowers in cultivation. Pkt. 20c; 1/4 oz. 50c; oz. $2.00.

EXTRA EARLY DWARF ERFURT. An excellent variety, producing magnificent heads of the finest quality. A reliablecropper which we recommend highly to market gardeners. Pkt. 20c; 1/4 oz. $1.00; oz. $3.00; 1/4 lb. $9.00.

VEITCH'S AUTUMN GIANT. A distinct and valuable late variety. Pkt. 5c; 1/4 oz. 25c; oz. 60c; 1/4 lb. $1.75.

EXTRA EARLY PARIS. Head rather large. Pkt. 5c; 1/4 oz. 30c; oz. $1.00; 1/4 lb. $2.50.

LENOIR'S SHORT STEMMED. A French variety. Pkt. 5c; 1/4 oz. 25c; oz. 50c; 1/4 lb. $2.25.

THE NER. SEED CO.'S EARLIEST SNOWSTORM. The result of many years' effort to produce an early Cauliflower of the Dwarf Erfurt type. The plants are dwarf, with small leaves and medium sized heads, which are pure white and of finest quality. It is about ten days earlier than the Head of Erfurt and Snowball and matures very early, making it a valuable sort for gardeners. Pkt. 25c; 1/4 oz. $1.00; 1/2 oz. $1.75; oz. $3.00.

CELERIAC—Turnip Rooted Celery

GIANT PRAGUE. This is unquestionably the largest and best Celeriac in existence. The roots are very large, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent. Pkt. 5c; oz. 25c; 1/4 lb. 60c; lb. $2.00.

CELERIAC

GOEDEN PINK CÉREERY GIANT. Pkt. 5c; oz. 45c; 1/2 lb. $1.75; oz. $3.75. For transit 10c.

GIANT PASCAL. Pkt. 5c; oz. 25c; 1/4 lb. 50c; lb. $1.75.

DWARF GOLDEN HEART. Pkt. 5c; oz. 25c; 1/4 lb. 50c; lb. $1.75.

PINK PLUME. Similar to White Plume. Stalks are tinged with pink. Pkt. 5c; oz. 25c; 1/4 lb. 75c; lb. $2.00.

CELERIAC FOR FLAVORING. Oz. 10c; 1/4 lb. 20c; lb. 40c.

CELERIAC

WHITE PLUME.
CUCUMBER

Gurken. Concombre.

CULTURE.—Plant in hills four feet apart, in well prepared, warm, rich, loamy soil. Mix a handful of well rotted manure in each hill. The fruit should be picked when large enough, whether wanted or not.

DAVIS' PERFECT. Unequaled either for forcing or outdoor culture. It is ideal in shape, rich, dark green color, uniform and regular in size, with an average length of 10 to 12 inches. It is a strong, rapid grower, exceedingly productive and the fruit retains its quality and brittleness long after cutting, making it a splendid shipper. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.25.

EXTRA LONG WHITE SPINE. A large variety of White Spine, much used by market gardeners for forcing. Retains its deep green color through all stages of growth. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

Arlington white spine. A splendid type of dark green color and tapering toward the ends. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

PEERLESS WHITE SPINE. One of the finest strains, very early and handsome. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

IMPROVED EXTRA EARLY WHITE SPINE. This is a favorite variety, producing fruit from six to eight inches in length and two to three inches in diameter, of a handsome deep green, flesh crisp and of fine flavor. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

CUMBERLAND. A new and distinct variety. The fruits are large, symmetrical, dark green, covered with innumerable small, white spines, and are of prime quality for slicing. The vine is vigorous, wonderfully prolific and continues in bearing much longer than most sorts. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

FORDHOOK FAMOUS. The fruits are abundant, perfectly smooth and very dark green, 12 to 18 inches long. They are always straight, never turn yellow and are very solid. The flesh is white, firm and crisp, containing comparatively few seeds. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

EXTRA LONG GREEN GIANT. Fruits of this variety are long, 14 to 18 inches. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

JAPANESE CLIMBING. This variety can be grown on poles or trellises. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

CHICAGO PICKLING. The variety used almost exclusively by the Chicago pickle factories. The best for market, also for home use. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

SNOW'S PICKLING. This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at Stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

COOL AND CRISP. The skin is very dark green, almost black, and covered with knobs. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

EARLY RUSSIAN. The earliest of all varieties; makes a fine pickle; can be used for slicing in the early summer. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

EARLY CLUSTER. A good pickling variety. It grows in clusters. Fruit very uniform and choice. Pkt. 5c oz. 10c; 4 lb. 35c; lb. $1.00.

EARLY FRAME OR SHORT GREEN. One of the standard pickling kind, shape uniform, short and somewhat thick. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

BOSTON PICKLING. One of the most prolific of the pickling sorts. We recommend it highly for the home garden. Pkt. 5c oz. 10c; 4 lb. 35c; lb. $1.00.

GREEN PROLIFIC. Enormously productive, crisp and tender. One of the finest for pickles. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.

IMPROVED LONG GREEN. Produced by selections from the Long Green vines; vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about 12 inches long, firm and crisp. The young fruit makes excellent pickles and when ripe is best for sweet pickles. We offer a carefully selected strain, uniformly long and of good form, with the large warts and spines well distributed over the surface instead of being clustered at one end, as in inferior stock. Pkt. 5c; oz. 10c; 4 lb. 35c; lb. $1.00.
SWEET CORN
Welschkorn. Maiz.

CULTURE.—Plant in hills three feet apart and leave four plants to the hill. Plant at intervals of ten days from early spring to middle of summer.

ALL VARIETIES OF SWEET CORN, REGULAR

EXTRA EARLY SORTS

GOLDEN BANTAM. A new variety, by many considered the richest and sweetest of all corns. In eating from the cob the grain comes off clean, no particle of cob adhering. Its extreme hardiness admits of very early planting, so that it may be had for market as early as Cory, to which it is much superior in quality. A tight, firm husk protects the ear from the ravages of disease smut, etc. and from worms. We recommend it unqualified. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

PEEP O'DAY. The two points of this remarkable corn, to which we wish to call most particular attention, are its extraordinary earliness and unparalleled sweetness, surpassing in these particulars any other known variety, early or late. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

EARLY MINNESOTA. One of the best and most popular of the older varieties, both for the market and private gardener. Stalk short and bearing two long ears, eight-rowed, very sweet and tender, and shrinks but little in drying. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

EARLY WHITE CORY. Extremely early, usually fit to use in from 50 to 60 days from sowing. Ears about 6 to 7 inches long, with milky white kernels; sweet, tender and delicious; plants dwarf, bearing usually two ears to a stalk. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

MAMMOTH WHITE CORY. An improvement on the White Cory. The ears are twelve-rowed and nearly twice as large as the White Cory and covered with very large white grains of good quality. It is extra early. No market gardener should be without it. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

EARLY FORDHOOK. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

STABLER’S EARLY. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

EXTRA EARLY ADAMS. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

MAMMOTH WHITE CORY.
PACKET 5c.

MEDIUM EARLY SORTS

CROSBY’S EARLY. Early and a great favorite in the market. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

WHITE MEXICAN. An early sweet corn of very rich and excellent flavor. Ears eight inches long, usually eight rowed; about the same season as Crosby’s Early and of better quality than any other early variety of equally large size. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

EARLY COSMOPOLITAN. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

SHAKER’S EARLY. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

PERRY’S HYBRID. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

HICKOX IMPROVED SWEET.. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

LATE AND MAIN CROP SORTS

STOWELL’S EVERGREEN. The general favorite with canners, market gardeners and for the home garden. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

NEW WHITE EVERGREEN. A high-bred, ideal type of Stowell’s. The ears are uniformly large and well filled to the tip. Its sweetness, tenderness and flavor are unequaled. Both cob and grains in the green state are white as snow. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

COUNTRY GENTLEMAN. This is the variety par excellence for quality. It is medium early, rows zigzag, grains long, flavor beyond description. Excellent for canning. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

BLACK MEXICAN. Lb. 20c; 2 lbs. 35c; 5 lbs. 86c.

POP CORN

QUEEN’S GOLDEN. A handsome and distinct variety of popcorn, producing large golden ears in great abundance. When popped it is of a handsome white appearance and of a delicate flavor. A single grain will often expand to a diameter of nearly one inch. Lb. 10c.

WHITE RICE. The popular variety. Lb. 10c.

WHITE PEAS. Lb. 10c.

Special Prices on Large Quantities.
EGG PLANT
Dipsania. AUBERGINE.

CULTURE.—Sow in hot beds very early in the spring and transplant to two or three feet apart, in very rich, warm ground. Hoe up gradually until they blossom.

IMPROVED NEW YORK PURPLE. The best variety in cultivation, being early, a sure cropper and of fine quality. The fruit is large, oval, very deep purple. Pkt. 5c; oz. 50c; ¼ lb. $1.35; lb. $4.00.

EARLY LONG PURPLE. The earliest and very productive. Pkt. 5c; oz. 30c; ¼ lb. $1.00; lb. $3.50.

BLACK PEKIN. The fruit is jet black, round in form and very solid. Pkt. 5c; oz. 30c; ¼ lb. $1.00; lb. $3.50.

ENDIVE
Endive. Chicoree.

CULTURE.—Sow in August in shallow drills, twelve to fifteen inches apart, and thin to one foot in drills. When fully grown tie over the outer leaves of a few plants every week or ten days to blanch.

WHITE CURLED. Self-blanching. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

GREEN CURLED. Leaves curled dark green. Pkt. 1c; oz. 15c; ¼ lb. 20c; lb. $1.25.

FRENCH MOSS CURLED. Handsomely curled. Pkt. 5c; oz. 16c; ¼ lb. 40c; lb. $1.25.

KALE OR BORECOLE
Blattet-Kohl. Chou Vert.

The Kales make excellent greens for winter and spring use. Sow the seed about the end of spring and then transplant and cultivate like cabbage.

DWARF GREEN CURLED. A sort of especial excellence, being a very fine curled variety of yellowish-green color, growing very close to the ground. Pkt. 5c; oz. 15c; ¼ lb. 20c; lb. 80c.

GREEN CURLED SCOTCH. Grows about 18 inches in height and spreads. The leaves are bright green, beautifully curled. Pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 80c.

BROWN GERMAN CURLED. Similar to Scotch, except the color, which is of a dull purple; most esteemed by the Germans. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. 80c.

THOUSAND-HEADED KALE. Fine for stock and poultry. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

KOHL RABI
Kohl-Rabi. Chou-rave.

CULTURE.—Same as directed for cabbage, taking care to set the plants no deeper than they stood in the seed bed, and in hoeling not to heap much earth about them.

EARLIEST WHITE VIENNA. The earliest and best for forcing. Pkt. 5c; oz. 20c; ¼ lb. 70c; lb. $2.50.

EARLIEST PURPLE VIENNA. Differs from the Early White Vienna only in color, which is bluish purple. Pkt. 5c; oz. 20c; ¼ lb. 70c; lb. $2.50.

GIANT GREEN. A good variety for summer and fall use. Grows larger than the Vienna. Pkt. 5c; oz. 20c; ¼ lb. 70c; lb. $2.50.

MUSTARD
Senf. Moutard.

YELLOW OR WHITE LONDON. Best for salad. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 35c.

BROWN OR BLACK. Much purgenter than the white. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 35c.

CHINESE CURLED OR GIANT. Leaves twice the size of the white. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

GOLDEN. A new very superior sort. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

N. Y. IMPROVED PURPLE EGG PLANT.

LEEK
Lunch. Poireau.

CULTURE.—Sow early in spring. When about six inches high transplant into rows about ten inches apart each way and as deep as possible to perfect the blanching process. The richer the soil the finer the leeks will grow.

MUSSELBURG. Very dark colored leaves, stout and hard. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.35.

LARGE AMERICAN FLAG. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.35.

MONSTROUS CARENTAN. The largest variety, often three inches in diameter and becoming very white and tender. A hardy and desirable sort. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. $1.35.

OKRA OR GUMBO
Ocher. Gumbo.

CULTURE. Sow about the middle of spring in drills, and thin the plants to a foot or more apart. Highly esteemed and cultivated for its green pods, used in soups or stewed and served like Asparagus.

LONG GREEN OR LONG WHITE. Long ribbed pods. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

IMPROVED DWARF GREEN. Early and very productive. Smooth pods. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

MUSHROOM SPAWN
Champignonbrut. Mousseon.

Until recently the growing of mushrooms was considered the most uncertain thing in horticulture. The new pure culture method of growing spawn has eliminated the principal difficulties and made success almost assured; not only this, but it is now for the first time possible to have varieties of mushrooms just as we have varieties of melons or apples. With the directions, which we furnish free to purchasers of our pure culture spawn, any one can succeed in growing mushrooms and there is no more paying business. Price, brick 25c; 5 lbs. 65c; 10 lbs. $1.25; 25 lbs $2.75; 100 lbs. $10.00.
LETTUCE
Salat. 
Lettuce.

CULTURE.—For an early crop sow under glass in February and transplant on a well prepared bed, in some sheltered corner, in April. For successive crops sow in beds of well pulverized soil in March and at intervals of about a fortnight until the end of May.

GRAND RAPIDS.

GRAND RAPIDS FORCING. The most profitable and most satisfactory variety for greenhouse culture. It is of quick and strong growth, not liable to rot, can be planted closely, is of handsome appearance. Stands shipping better and lasts longer after cutting than any other variety. Pkt. 5c; oz. 20c; ¼ lb. 35c; lb. $1.00.

BLACK SEEDED SIMPSON. Forms large, loose curled leaves of light green color and remarkably crisp and tender. Equally suitable for hot bed, cold frame or outdoor culture. A most profitable variety for the market gardener. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

EARLY CURLSED SIMPSON. This variety does not head, but forms a compact, close mass of tender leaves. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

GREEN FRINGED. This variety is beautifully cut and fringed and furnishes an abundance of tender leaves. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

DENVER MARKET. An early variety, forming medium-sized loose heads of light green, finely-crumpled leaves. An outdoor summer sort, but used by many for forcing. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

PRIZE HEAD. For many years the most popular of the large, loose-headed sorts. The leaves are very crisp and tender and finely-crimpled, bright green in color, tinged with brown. Excellent for the home gardener, but too tender for handling on the market. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

BOSTON CURLLED. A handsome variety, much used for garnishing. Early and of good quality. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

THE Trianon COS, OR Celery LETTUCE. This new variety from France is by far the best Cos lettuce we have ever grown, and we recommend it very highly. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

LETTUCE—MAY KING.

NEW EARLY MAY KING. This valuable new Lettuce comes from Germany. It is, without any question, one of the best Lettuces on the list for early spring planting in the open ground. The heads are 6 to 7 inches in diameter, with the outer leaves very closely folded in. The heads are of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich oily flavor. Pkt. 5c; oz. 20c; ¼ lb. 35c; lb. $1.00.

HANSON. A very fine heading variety of large size. The heads are very solid, sweet, tender and crisp throughout and entirely free from any bitter taste. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

BIG BOSTON. This variety resembles the well known Boston Market, but produces heads about double the size and matures a week later. A valuable sort for open ground or forcing. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

ICEBERG. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which, curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched. It matters not whether grown to head in the early spring or the hottest days of summer, the leaves are always crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

WHITE SEEDED TENNIS BALL. This is a very popular, medium sized, compact heading variety. It is especially adapted for early outdoor culture, and for forcing under glass. On account of the small compact heads it can be grown more closely than other sorts. It is especially fine during the cool moist weather in early spring and late fall. It is sometimes called "Boston Market." Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

Also the following well known standard sorts at a uniform price of, Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

St. Louis Market, Large White Summer Cabbage. Silver Ball, Blonde Blockhead, Golden Ball, All the Year Round, Dutton's White Star.
MUSK MELONS
ZUCKER MELOME. MELON.

CULTURE.—Musk melons grow best in light soil. Plant in hills about six feet apart, mixing in each hill about a shovelful of well-rotted manure. May, and when well started thin out to three or four of the strongest plants.

ROCKY FORD. This popular variety sells more readily than any other kind. It is of the netted gem type, but more oval in shape. The surface is very deeply netted and presents a most attractive appearance. The flesh is green in color, very thick and of a delicious sugary flavor unapproached by any other variety. Produces abundantly and continuously. Our seed is genuine, from selected and perfect melons, grown by experts at the original home of the variety, Rocky Ford. Colo. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

BURRELL'S GEM. This melon has a tough thin rind, well-arched ribs with a closely interlaced gray netting and is protected at the blossom end by a well developed button. The meat is of a reddish orange color, very thick, fine-grained and spicy. It is a money making melon for the gardener and a delight to all who love good melons. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

NEBRASKA GOLD LINED. To the grower of musk melons, whether for the home or market, we recommend this new variety. It is the same size as Rocky Ford, being the result of several years' selection from that popular sort. In shape it is slightly oval, has no ribs, and is heavily netted over the entire surface. Its flesh is bright green with a golden lining next to the seed cavity. The meat is thick, fine-grained and juicy. Its early maturity, uniform size and shape and excellent shipping qualities make it ideal for the home gardener as well as the large grower. Pkt. 10c; oz. 15c; ¼ lb. 50c; 1 lb. $1.60.

OSAGE. A large, orange fleshy melon of unsurpassed table quality and increasing popularity. It is productive, a splendid shipper and commands a good price. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Also the following standard popular sorts at
Pkt. 5c; oz 10c; ¼ lb. 25c; 1 lb. 75c

WATER MELONS

Wasser-Melone.  Melon d'Eau.

CULTURE.—Plant in hills eight to ten feet apart each way with a shovelful of well rotted manure mixed with the soil in each hill.  Put six or eight seeds in each hill and finally leave when danger from insects is past but three strong plants.  Hoe often.  If extra large fruit is desired have but two or three melons to the vine.

TOM WATSON. Typical fruits of this variety reach a size of twenty-four inches in length and twelve inches in diameter.  The rind is dark mottled green, thin but tough enough to endure shipping to very distant markets.  Of the long shaped melons it is the best shipper.  The flesh is deep red and comes very close—about three-fourths of an inch—to the rind.  The exquisite deliciousness of flavor possessed by the fine quality flesh of this melon places it in the very front rank of melon excellence.  For the home or market garden, or for shipping, it is a money maker for the growers.  Our strain of this is not surpassed in the market.  Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 85c.

KLECKLEY SWEET (MONTE CRISTO). The finest melon yet introduced for home growing and table use. The fruits grow 18 to 20 inches long and 12 inches in diameter. The skin is a rich, dark green; flesh bright scarlet. The rind is but half an inch thick, so that shipping it long distances is not practicable. The seeds are white, lying close to the skin and leaving a very large, solid heart, crisp, sugary, melting and entirely free from stringiness. The handsome appearance, uniform growth and luscious sweetness make it one of the finest melons in cultivation. Our seed was saved from carefully selected melons and is strictly pure and true.  Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

ROCKY FORD. A hard shelled shipping strain of Kleckleys.  Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

HALBERT'S HONEY. This melon fully equals the Kleckley Sweet in superb luscious flavor and has fruits more even and regular in outline, with a darker, richer colored skin, making it more attractive in appearance.  The vines grow quickly, so that they will ripen choice fruits even in the northern states if planted in a good location.  The melons average 18 to 20 inches long and are full or bluntly rounded at both ends.  The seed is white and comparatively small.  Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

HARRIS' EARLIEST. This excellent watermelon grows rather large for an early variety; slightly oval in shape, skin mottled light and dark green.  It is uniform in size and shape; the flesh is solid, bright red, very tender and sweet.  Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. $1.00.

COLE'S EARLY. Very hardy, a sure cropper and extremely delicate in texture of flesh.  It is, however, extremely brittle, hence not desirable for shipping purposes.  Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

TRUE ICE CREAM. The great home-market melon. It has too thin a rind for shipping.  Few, if any, surpass a True Ice Cream for quality and productiveness.  Flesh bright scarlet, solid to center, melting and delicious.  Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

FORDHOOK EARLY. This is still without a rival as the earliest large-fruited melon in cultivation. These fruits are of good size, rather short and blocky in form, with large diameter. Skin dark green, occasionally with faint stripes of lighter green.  Rind quite thin, but skin tough, making an excellentshipping variety.  Flesh bright red, crisp, sweet, and of splendid quality—really one of the finest flavored melons in cultivation today.  Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. $1.00.

PHINNEY'S EARLY. Very early; flesh bright red, sweet, tender and well flavored.  Reliable for market gardeners.  Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

Also the following popular kinds at a uniform price of:  Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

ONIONS

Zwiebel. Ogon.

CULTURE. The ground for Onions should be well prepared by digging in plenty of well-rotted manure. The seed may be sown from the first of April to the middle of May. Sow in drills one inch deep and twelve inches apart. When the onions are up thin them out to a distance of three inches apart.

SOUTHPORT LARGE RED GLOBE (Selected Stock). This is the most perfect market type of Red Globe Onion. It is of large size, deep crimson in color and of mild flavor. Our selected stock excels all others in earliness, productiveness, perfection of shape and long-keeping qualities. Choice new seed. Pkt. 5¢; oz. 20¢; ¼ lb. 60¢.

LARGE RED WETHERSFIELD. The standard red variety and the favorite onion in the West, where immense crops are grown for shipment. Large sized, skin deep purplish, form round, somewhat flattened. Flesh purplish white, moderately fine grained and stronger flavor than any of the other kinds. Very productive, best kept, and of the most popular for general cultivation. Pkt. 5¢; oz. 20¢; ¼ lb. 60¢.

GLOBE RED WETHERSFIELD. This is a true Red Globe Onion of the finest and most select type. The skin possesses that lustre and richness of color so desirable, but generally lacking in Red Globe stock. By careful selection we have bred up a stock that is unsurpassed in purity, high quality or productiveness. Pkt. 5¢; oz. 30¢; ¼ lb. 75¢.

EXTRA EARLY RED FLAT. A medium-sized flat variety, producing abundantly and coming into use about two weeks earlier than Red Wethersfield. Pkt. 5¢; oz. 20¢; ¼ lb. 60¢.

SOUTHPORT LARGE WHITE GLOBE. This is one of the finest onions in cultivation, both in appearance and quality. It is large, globe shaped, firm, fine grained, and of excellent flavor, and commands a higher price in the market than any other white onion grown. Its skin is pure white, and its keeping qualities particularly good. Pkt. 5¢; oz. 30¢; ¼ lb. 75¢.

MAMMOTH SILVER KING. The largest onion in cultivation. Has been grown extensively in the past few years in all sections of the country, especially in the West, and has given universal satisfaction. Pkt. 5¢; oz. 20¢; ¼ lb. 60¢.

PHILADELPHIA SILVERSKIN (White Portuguese). A large flat onion of mild flavor with a beautiful white glistening skin. A good keeper and much used for bunching and for pickles. Particularly desirable for sets. Pkt. 5¢; oz. 30¢; ¼ lb. 60¢.

PARIS WHITE PICKLING OR SMALL SILVERSKIN. For pickling. This is of small size and silvery white, and used almost entirely for pickling on account of its small size. Pkt. 5¢; oz. 25¢; ¼ lb. 75¢.

EXTRA EARLY WHITE PEARL. Of early, quick growth, it is fine for market in the summer and autumn. The bulbs are round, flattened, with a delicate, pure white skin. Flesh very mild and pleasant in flavor. Pkt. 5¢; oz. 30¢; ¼ lb. 75¢.
ONIONS—CONTINUED

PRIZE TAKER. This is one of the best of the huge foreign varieties. When started early under glass, and transplanted into open ground, half to four feet in height, are nearly free from stiff necks, and when offered for sale always attractmarked attention. This variety is without a doubt the largest onion grown, samples under special culture sometimes weighing five pounds. We offer this season American grown seed. Pkt. 5c; oz. 30c; 1 lb. 60c.

DYERS YELLOW GLOBE. Distinct in form, being nearly globular, of a beautiful golden yellow, mild flavor and good keeper. Pkt. 5c; oz. 50c; 1 lb. 1.00.

DYERS YELLOW FLAT. This fine variety is a thick flat, straw colored onion, mild flavored, yields abundantly, ripens early, and keeps equal to the best. Pkt. 5c; oz. 25c; 1 lb. 50c.

AUSTRALIAN BROWN. This new onion is of neat, round shape, medium size, with skin of a deep amber brown, distinct from all other onions, extremely hard and firm, of fine flavor and will keep almost indefinitely. Australian Brown is the only onion Australian growers will plant. We offer choice Australian grown seed from the final importation. Pkt. 5c; oz. 15c; 1/2 lb. 50c.

THE N.S. CO.'S PICKLING. For early bunching, pickling or sets, the finest strain offered. This may seem a broad statement, but for these purposes we have never sold or seen its equal. Pkt. 5c; oz. 25c; 1 lb. 50c.

WHITE QUEEN. A very early variety, white, small and fine flavor. Pkt. 5c; oz. 50c; 1/2 lb. 75c.

WHITE BERMUDA. The bulbs are quite broad and flat, and of a pale straw; flesh crisp, solid and mild in flavor. The plants are extremely hard and firm, the flavor even and early ripening. Pkt. 5c; oz. 30c; 1/2 lb. 75c.

RED BERMUDA. Bulbs of this variety are similar in form and early ripening to the Bermuda White, but grow larger in size, ranging from three to four inches in diameter; very flat and of a light pink color. The flesh is white, slightly suffused with pink. Pkt. 5c; oz. 30c; 1/2 lb. 60c.

EARLY WHITE LISBON. One of the best kinds for "Green Onions." Should be planted in fall, being perfectly hardy. A great saving in cost over top sets. 1/2 oz. 15c; oz. 30c; 1 lb. 75c.

YELLOW DUTCH OR STRASBURG. Ripens early and forms large bulbs rather flat in shape, with outer skin of bright straw color and mild creamy white flesh. We recommend this variety on account of its excellent keeping qualities. Pkt. 5c; oz. 30c; 1/2 lb. 75c.

We grow ourselves a large portion of the seed we sell; the remainder is raised by expert onion seed growers under our supervision. We are the largest growers of onion sets in the West and use all unsold seed for sets. We are thus enabled to offer our customers absolutely fresh seed every year. Grown only from the choicest selected bulbs under expert care our onion seed is always thoroughly reliable. Special prices to gardeners and others using large quantities.

ONION SETS

Prices Subject to Market Fluctuations

WHITE BOTTOM SETS. Pt. 10c; qt. 25c; pk. $1.00.

RED BOTTOM SETS. Pt. 10c; qt. 25c; pk. $1.00.

YELLOW BOTTOM SETS. Pt. 10c; qt. 25c; pk. $1.00.

RED TOP SETS. Pt. 15c; qt. 25c.

WHITE MULTIPLIER. Enormously productive. Qt. 25c; pk. $1.50.

Potato Onion. Should be planted in March or April. Pt. 15c; qt. 25c; pk. $1.00.

BULB ONION OR WINTER ONION. They are planted in September. Prices upon application.

Garlic. Plant in April or May, one inch deep in drills 14 inches apart, and from 5 to 6 inches apart in rows. 1 lb. 25c; 10 lbs. $2.25.

PARSNIP

Pastinaken. Panais.

CULTURE—Sow as early in the spring as the weather will permit, in drills 18 inches apart, and thin to 6 inches apart in the rows. Sow in rich, welldrained ground, well dug. Cultivate similar to carrots and thin out to six inches apart in the rows.

GUERNSEY, OR HALF LONG. As name indicates, not as long as the Hollow Crown. Quality very sweet and delicate. Pkt. 5c; oz. 25c; 1 lb. 50c.

HOLLOW CROWN, OR LARGE SUGAR. The largest variety in cultivation. Roots long, white, smooth, tender, sugary and of excellent flavor. Pkt. 5c; oz. 25c; 1 lb. 50c.

Parsley

Petersilie. Persil.

CULTURE—Parsley thrives best in a rich soil. The seeds germinate very slowly, three to four weeks generally elapsing before it makes its appearance. Sow early in the spring, half an inch deep, previously soaking the seeds for a few hours in tepid water.

TRIPLE CURLED. This is an English variety of quick, robust growth, with leaves so much curled as to give the appearance of moss. It is rich green in color and of excellent flavor. It is slow to go to seed and very hardy.

CHAMPION MOSS CURLED. A compact growing, finely curled variety of a bright, slightly yellowish green color. Pkt. 5c; oz. 25c; 1 lb. 40c; lb. $1.00.

PLAIN. This is the hardest variety. Pkt. 5c; oz. 25c; 1 lb. 50c; lb. $1.00.

DOUBLY CURLED. A dwarf, beautifully curled sort. Pkt. 5c; oz. 25c; 1 lb. 50c; lb. $1.00.

HAMBURG, OR TURNIP ROOTED. Fleshy rooted. The roots are used for flavoring soups. Pkt. 5c; oz. 25c; 1 lb. 50c; lb. $1.00.
PEPPER  Pfeffer.  Piment.

CULTURE.—Sow early in hot bed, or in open ground about the middle of spring. Transplant when three inches high, to one foot apart, in drills twenty inches apart, and earth up a little in hoeing, which can be continued until the plants are in full bloom.

PERFECTION. A new introduction of the pimento type, very smooth and uniform in shape. The flesh is much thicker than in the various “bell” peppers, yielding a half more edible portion and also making the fruits easily peeled. The flesh is sweet and delicious being entirely free from pungency. The plants are very prolific, producing heavy crops until killed by frost. In view of its many superior qualities we expect to see Perfection become the leading variety of Pepper. Pkt. 10c; oz. 50c; ¼ lb. $1.16.

NEW RUBY GIANT PEPPER. This beautiful Pepper is a cross between the Ruby King and the Chinese Giant. The Chinese Giant is the largest of all Peppers, but is rough and ungainly in shape; whereas the New Ruby Giant, while quite as large round as the Chinese Giant, has the ideal shape of the Ruby King, being longer than the Chinese Giant, and much larger round than the flesh is mild, sweet as an apple, making a good Ruby King. Plants vigorous in growth. The salad sliced and served with Tomatoes. Pkt. 10c; oz. 50c; ¼ lb. $1.16.

RUBY KING. The fruits are about 5 to 6 inches long by about 3½ inches through. They are bright red, remarkably mild and pleasant in flavor, having no fiery taste. The most popular red pepper. Pkt. 5c; oz. 30c; ¼ lb. 85c.

SWEET MOUNTAIN. Larger, milder and more productive than Bull Nose. Color deep green, turning to red when ripe. Pkt. 5c; oz. 30c; ¼ lb. 85c.

NEW NEAPOLITAN. The earliest of all Peppers, coming in fully two weeks earlier than Ruby King and Bull Nose. Flesh thick and mild. Fruit medium size; very prolific. Pkt. 10c; oz. 40c; ¼ lb. $1.26.

LARGE BELL OR BULL NOSE. A large, thick fleshed, mild variety, used for stuffing and for mixed pickles. Pkt. 5c; oz. 30c; ¼ lb. 85c.

CAYENNE. Long red hot and pungent. Pkt. 5c; oz. 30c; ¼ lb. 85c.

CHILI. Like Cayenne, but smaller and later; used for pepper sauce. Pkt. 5c; oz. 30c; ¼ lb. 85c.

RED CHERRY. Round, red, fiery and prolific. Pkt. 5c; oz. 30c; ¼ lb. 85c.
PEAS
Erbsen. Pois.

CULTURE—The planting of an early crop of Garden Peas should be made in the spring, as soon as the ground can be worked, in a warm, dry situation and covered about 3 inches. They are usually planted in double rows three to four feet apart, and, these require to be thinned when about six inches high. The large and later sorts do better at a greater distance apart, leaving a broad space for planting low growing vegetables between.

EXTRA EARLY VARIETIES

NOTT'S EXCELSIOR

NOTT'S EXCELSIOR* (15 inches). Pods are square and chunky, always containing from five to seven large peas, packed closely together in the pods that the peas are always more square than round. It grows to a uniform height, and is at all times very tender and of fine flavor. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

MARVEL* (15 inches). A new extra early wrinkled pea of dwarf even growth and great productiveness. The vines average fifteen inches in height with ample, though rather small, dark green foliage and are heavily set with fine pods, frequently in pairs. The pods are rounded and well filled, being blunt or square at the bottom, two and one-half inches long, and contain six or seven quite large dark green peas. In season it is fully as early as Nott's Excelsior and a much better cropper. On account of its very desirable habit of growth, its productiveness and the firm, well-filled pods, it is a distinct acquisition either for the home garden or for the market gardener who desires an early good crop of fine quality wrinkled peas. Most highly recommended. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

AMERICAN WONDER* (10 inches). Of fine quality and flavor, and wonderfully productive. Its great distinctive feature, however, is its compact and dwarf growth. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

MILEN'S LITTLE GEM* (16 inches). A dwarf, prolific, green wrinkled marrow, habit similar to the Tom Thumb. It has all the sugary flavor of the late wrinkled peas. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

CARTER'S PREMIUM GEM* (16 inches). A valuable extra early dwarf, wrinkled pea, robust in growth, with long pods. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

GRADUS* (30 inches). A grand new extra early wrinkled variety with pods of a beautiful light green color and as large and handsome as a long podded pea. The peas are large, sweet and meltingly tender and retain their color and handsome appearance after cooking. Its hardiness, productiveness, attractive appearance and high table quality make this the most desirable pea to date. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

TEOS. LAXTON* (30 inches). The only rival to the famous Gradus—as a long-podded, extreme early wrinkled pea—and in some respects even better. The growth is identical, but the pods are a deeper, richer green and square at the end. In the judgment of experts, Thos. Laxton is even sweeter and finer in flavor, while as the large peas are of a deeper green they present a more attractive appearance on the table. This cropverages only three to four days after Gradus. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

...TOM THUMB (10 inches). Remarkably dwarf and early, of excellent quality and yields abundantly. Lb. 25c; 2 lbs. 45c; 5 lbs. $1.15.

ALASKA OR EARLIEST OF ALL (28 inches). The earliest of all the Blue Peas. Very productive; pods filled with peas of good size that retain their color after cooking. This is distinctively a market gardener's sort, as it can always be picked in two pickings. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

THE NEBRASKA SEED CO.'S FIRST AND BEST (30 inches). Vines small, bearing three to seven straight handsome pods, each containing six to eight medium sized round peas of good quality. The stock we offer is especially grown for us. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

PHILADELPHIA EXTRA EARLY (30 inches). Peas smooth and of excellent quality. A desirable popular market sort. Lb. 20c; 2 lbs. 35c; 5 lbs. 85c.

All varieties of Peas, unless otherwise quoted, regular pkt. 5c; large pkt. 10c; carton 15c.

*Wrinkled Varieties.

FOR A LARGER AND BETTER YIELD, SEED MUST BE INOCULATED—SEE PAGE 59

TESTED VEGETABLE SEEDS.
PEAS --CONTINUED

NEBRASKA LIGHTNING (30 inches). No extra early pea has ever given the universal satisfaction to commercial gardeners that this one has. It is without doubt the earliest and most productive pea in existence, being ready for use 42 days after planting. They ripen up so uniformly as not to require over two pickings to clean up the entire crop. The pods are well filled and the peas of fine flavor. Lb. 26c; 2 lbs. 46c; 5 lbs. $1.15.

SECOND EARLY VARIETIES

ADMIRAL DEWEY. Vines vigorous, about 4 feet high. Pods usually borne in pairs, curved, bright green, crowned with six to nine peas of the best quality and color. We know of no pea which remains palatable longer after it becomes large enough to use. Seed much wrinkled, of medium size, cream color. Owing to its great vigor, productiveness, the color, quality and suitable size of the green peas, it is admirably adapted for canners' use. Lb. 26c; 2 lbs. 46c; 5 lbs. $1.15.

M'LEAN'S ADVANCE* (30 inches). A green wrinkled variety with long pods, which are abundantly produced and well filled to the end. Lb. 25c; 2 lbs. 46c; 5 lbs. $1.15.

PRIDE OF THE MARKET (24 inches). Vines stiff with large, dark green leaves, bearing at the top, generally in pairs, a fair crop of very large, dark green pods well filled with large peas of good flavor. Lb. 30c; 2 lbs. 55c; 5 lbs. $1.35.

BLISS EVERBEARING* (28 inches). The vines are large and productive. As many as one hundred pods have been counted on a single vine. Lb. 25c; 2 lbs. 46c; 5 lbs. $1.15.

BLISS ABUNDANCE* (34 inches). Remarkable productive and of excellent quality. Lb. 25c; 2 lbs. 46c; 5 lbs. $1.15.

THE N. C. S' FAVORITE* (30 inches). The seeds are quite wrinkled, of vigorous growth, branching habit, prolific, pods large sized, well grown in pairs well filled with large peas of fine quality. Lb. 25c; 2 lbs. 45c; 5 lbs. $1.15.

SHROPSHIRE HERO* (28 inches). A robust grower, producing its large pods in abundance. Pods are larger and better filled than Stratagem. Lb. 25c; 2 lbs. 46c; 5 lbs. $1.15.

ALDERMAN* (36 inches). This is a green wrinkled pea, and comes in between Advance and Champion of England, and bears a profusion of large peas, slightly curved, pointed pods, containing from nine to ten large peas of finest quality. AnImmense cropper, yields double the quantity ordinary varieties do. Lb. 25c; 2 lbs. 46c; 5 lbs. $1.15.

BREINOI* (30 inches). Slightly later than the ordinary Telephone type. The pods are of immense size, the largest of all peas. For exhibition purposes it has no superior. Should be brushed or poled for best results. The peas are very large, sweet and sugary. Quite prolific. A split pod picker should recommend this to all large pea growers. Lb. 30c; 2 lbs. 56c; 5 lbs. $1.35.

LATE OR MAIN CROP VARIETIES

DWARF CHAMPION* (24 inches). The Champion of England has long been a standard variety; the long vines, however, are objectionable. This variety is hardy and of fine quality, but has less vine and produces larger pods and more of them. Lb. 25c; 2 lbs. 45c; 5 lbs. $1.15.

DWARF TELEPHONE* (18 inches). Grows one and one-half or two feet in height, very stocky, heavy, vigorous vine, productive. Pods are uniform and regular; pods large, well filled and wrinkled. Lb. 25c; 2 lbs. 45c; 5 lbs. $1.15.

IMPROVED STRATAGEM* (18 inches). Green, square, wrinkled, vigorous, branching habit. Remarkably luxuriant foliage, leaves unusually large. Pods long, well filled with from seven to nine peas of enormous size. Lb. 30c; 2 lbs. 56c; 5 lbs. $1.35.

TELEPHONE* (40 inches). Vines very strong. It branches considerably. The branches bearing from three to five pea pods. The pods are large six to seven large wrinkled peas of the first quality. Lb. 26c; 2 lbs. 46c; 5 lbs. 85c.

PUTLATCH OR BIG DINNER SEA (18 inches). A wonder in productiveness. The seed is similar to Pride of the Market, but somewhat more dented. Pods large and dark green. The growth of the vine is sturdy and the pods are large and filled with seed. Lb. 26c; 2 lbs. 46c; 5 lbs. $1.15.

ALDERMAN*

born in pairs. No variety known will produce more pods, and no pods could possibly shell out better. Lb. 30c; 2 lbs. 56c; 5 lbs. $1.35.

CHAMPION OF ENGLAND* (30 inches). Unversally admitted one of the best peas grown. Lb. 30c; 2 lbs. 56c; 5 lbs. $1.35.

LONG ISLAND MARROWFAT (36 inches). Used profitably by market gardeners in New Jersey in place of the old White Marrowfats; being productive, more showy in the basket and far better in flavor, the pods having somewhat the appearance of Telephones, but are earlier by four or five days, being ready to pick for market in sixty days after germination. Lb. 30c; 2 lbs. 56c; 5 lbs. $1.35.

LARGE WHITE MARROWFAT (36 inches). One of the oldest varieties in cultivation and a favorite market sort. Lb. 26c; 2 lbs. 56c; 5 lbs. 85c.

BLACK EYED MARROWFAT (36 inches). An excellent variety. Lb. 26c; 2 lbs. 56c; 5 lbs. 85c.

EDIBLE PODDED SORTS

IMPROVED SUGAR MARROW. Being hardy may be planted early and will produce plants of strong upright habit. The pods, which are prepared like wax beans, are stringless, and are delicious. Lb. 35c; 2 lbs. 65c; 5 lbs. $1.50.
RADISHES
Radieschen. Radis.

CULTURE—For a successive 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 hot bed in February, care being taken to give plenty of ventilation, otherwise they will run to leaves.

SCARLET TURNIP WHITE TIPPED

SPARKLER. A white tipped variety that is destined to become very popular on account of its attractive appearance and excellent quality. The color is a rich carmine scarlet with a pure white tip, the roots are solid, crisp and sweet and remain fit for use a long time. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. $1.00.

EARLY SCARLET TURNIP, WHITE TIPPED. Very early; color bright scarlet, tipped with white, an excellent market variety, fine for forcing. Their shape is perfectly globular with rich deep scarlet top, blending into pure white at the bottom. Tender, crisp and delicious. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

RADISH, "CRIMSON GIANT." This radish is an entirely new type and differs radically from all varieties hitherto in cultivation. In so far as its roots attain more than double the size of those of other forcing varieties, without getting pithy or hollow. It is very early notwithstanding its size. Color crimson, flesh pure white, of the best quality. Fine for outdoors and forcing. The seed should be sown very thinly to permit full development of the roots. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

EARLY SCARLET GLOBE. One of the quickest growing and handsomest extra early radishes in cultivation. It is crisp and tender, while its perfect globe shape leaves nothing to be desired. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

EARLY DEEP SCARLET TURNIP. A small round red turnip-shaped radish, with a small top and of very quick growth. Mild and crisp when young. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

FRENCH BREAKFAST. Bright rich carmine color with clear white lower portion; very tender and mild. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

WHITE ICICLE. A fine long, pure white and very early sort, ready in 20 to 25 days after planting. Its small foliage makes it most desirable for forcing. The snowy whiteness of the roots, their crispness and fresh mild flavor, make it one of the very finest for market or table. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

SCARLET OLIVE-SHAPED. Quite early, olive shaped. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

EARLY WHITE OLIVE-SHAPED. White skin and crisp, white flesh. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

LONG WHITE VIENNA OR LADY FINGER. One of the best long white radishes. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

LONG SCARLET SHORT TOP. Standard sort grown for private gardens and for market. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

LONG BRIGHTEST SCARLET WHITE TIPPED. This is a new variety, resembling the Early Long Scarlet in shape and size, and is very early, being ready for use two-five days after sowing. It is very handsome, being of the brightest scarlet; tipped with white. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

CHARTIER OR LONG ROSE, WHITE TIPPED. A very distinct variety, being dark red at the top, and merging into pure white at the base. It stands well and will grow to a large size before it is unfit for the table. Pkt. 5c oz. 10c; ¼ lb. 25c; lb. 85c.

Also the following well known standard sorts at a uniform price of, pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 85c.

Early White Turnip. Long Black Spanish.
Giant White Stuttgart. Round Black Spanish.
White Strassburg. Long White Spanish.
Yellow Summer Turnip. Golden Globe.
SQUASH
Kuchen Kuerbis. Courge.

CULTURE—Plant in hills, in well prepared ground, mixing plenty of well-rotted manure in each hill. Light soils are best suited for their thin out to three or four after they have made p

PIKE’S PEAK OR SIBLEY. A very vigorous and productive old standard variety. The fruits are large, oval in shape, the blossom end tapering. The color outside is dark green and inside the flesh is light yellow and of superior quality Pkt. 5c; oz. 10c; $1.00.

MAMMOTH WHITE BUSH. The best strain of white scalloped squash in existence. It grows to a large size, and in quality it is simply delicious Pkt. 5c; oz. 10c; $1.00.

CHICAGO WANTED HUBBARD. A new, very large strain of the old Hubbard, retaining all of its good features with the added merits of larger size, increased productiveness, and a hard, green warty shell, rendering it the best keeper of all. Pkt. 5c; oz. 10c; $1.00.

IMPROVED HUBBARD. An old favorite, still retaining its place as one of the best winter squashes; vines luxuriant, healthy and very productive; fruits dark, bluish green, 10 to 25 lbs each; flesh rich yellow, always richly flavored, sweet and dry, whether boiled, steamed or baked; good keeper. Pkt. 5c; oz. 10c; $1.00.

RED OR GOLDEN HUBBARD. A perfect type of the Green Hubbard, except in color, which is a bright, deep orange-yellow, very showy and attractive. Flesh deep golden yellow, much richer in color than Hubbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the Green variety. Pkt. 5c; oz. 10c; $1.00.

MAMMOTH SUMMER CROOKNECK. This strain is a great improvement on the old variety of Crookneck. It is larger and better in every way. Pkt. 5c; oz. 10c; $1.00.

FORDHOOKE. One of the earliest winter squashes, a good yelder, an excellent keeper and of the best quality, rug about borer proof. Pkt. 5c; oz. 10c; 1/4 lb. 25c; lb. 90c.

DELICATA. Orange-yellow, splashed and striped with very dark green. The quality is rich and dry, wonderfully solid and heavy. For private use particularly we can recommend this squash, as it far surpasses in richness of flavor any of the large sorts. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. $1.00.

CHICAGO SUMMER CROOKNECK. This strain is a great improvement on the old variety of Crookneck. It is larger and better in every way. Pkt. 5c; oz. 10c; $1.00.

RHUBARB
Rhabarber. Rhabarbe.

CULTURE—Sow in April in drills one foot apart, thinning out to about the same distance apart in the rows when a few inches high. Transplanting into deep rich soil in fall or the following spring, about three feet apart each way.

VICTORIA. Very large, later than Linnaeus. Pkt. 5c; oz. 10c; 1/4 lb. 60c; lb. $1.50.

MONARCH. The largest and most vigorous and productive variety known. Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. $1.50.

RHUBARB ROOTS (Choice Selected). Any of the above named varieties with three or four eyes. Each. 10c; doz. $1.00; 100 $6.50.

TOBACCO SEED
French, Tabac. German, Taback.

CULTURE—Sow soon as danger of frost is over. When plants are about six inches high, transplant into rows six feet apart each way and cultivate thoroughly with plough and hoe.

HAVANA. Commands a high price for cigar stock. Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. $2.25.

MISSOURI BROAD LEAF. A well known standard sort. Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. $2.25.

CONNECTICUT SEED LEAF. This is a staple variety. Pkt. 5c; oz. 20c; 1/4 lb. 60c; lb. $2.00.
**PUMPKIN**

**Kuerbis. Potiron.**

CULTURE—Plant in hills, in well prepared ground, mixing two or three shovels of well-rotted manure in each hill. Light soils are best suited for their growth. Plant six to eight seeds in each hill and thin out to three or four after they have made partial growth.

LARGE CHEESE. Cheese shaped; in flavor like Crookneck Squash; yellow fleshed; fine grained and very productive. Superior to most field varieties. Pkt. 5c; oz. 10c; ½ lb. 20c; lb. 50c.

CONNECTICUT FIELD. A large yellow variety, hard shell. An excellent variety for field culture. Pkt. 5c; oz. 10c; ½ lb. 15c; lb. 40c.

JAPANESE PIE. This remarkable variety comes from Japan, and makes a valuable addition to our cole and cooking pumpkins. The flesh is very thick and nearly solid. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

BURPEE'S QUAKER PIE. A distinct and valuable variety. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

**SPINACH**

Spinat. Epinard.

CULTURE—This is one of the most important of our market garden crops and one that requires very little care. For summer use sow at intervals of two or three weeks from April to August, and for early spring crop sow in September, covering it in exposed places with straw to protect it from severe frost.

LONG STANDING. The leaves are thick, fleshy and crumpled, equal to the Bloomsdale Curled Savoy-Leaved, and standing at least two weeks longer than any other variety without running to seed. Pkt. 5c; oz. 10c; ½ lb. 15c; lb. 45c.

BLOOMSDALE CURLED SAVOY-LEAVED. The leaves are crinkled like Savoy Cabbage, from whence the name; it is a very valuable variety. Particularly for market gardeners. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 45c.

GROUND THICK-LEAVED VIROFLAY. Excellent market sort; equally good for spring and fall sowing; leaves large, thick and fleshy; in general use for early spring planting; also for fall sowing. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 45c.

BROAD-LEAVED FLANDERS. This is an excellent and productive variety, very hardy, robust growers, producing long thick leaves, ten inches long and eight inches wide at the base, and may be sown nearly all the year around. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 45c.

LONG STANDING PRICKLY. The largest, thickest leaved and best keeping Spinach we have ever seen. Very hardy; equally desirable for summer or winter planting. Pkt. 5c; oz. 10c; ¼ lb. 15c; lb. 45c.

SALSIFY OR OYSTER PLANT

Bocksbart. Salsifis.

CULTURE—Sow early in the spring in drills 14 inches apart. Culture same as carrots or parsnips.

MAMMOTH SANDWICH ISLAND. A new and large growing variety of best value to be sold to the market gardener. Pkt. 5c; oz. 16c; ¼ lb. 40c; lb. $1.25.

LONG WHITE. The standard variety. Pkt. 5c; oz. 16c; ¼ lb. 40c; lb. $1.25.

MAMMOTH KING. The largest variety ever introduced. An enormous yielder, having produced over 100 tons per acre. The flesh is very thick, bright orange color and of fine quality, and in flavor equals squash. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25.

**HERBS**

Sweet, Pot and Medicinal.

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 into full bloom, then dried quickly and pasted closely, entirely excluded from the air. Sow in spring in shallow drills one foot apart, and when well up thin out and transplant to a proper distance apart.

**ANISE** (Pimpinella anisum). Used for cor-dials; also for garnishing and seasoning. Pkt. 5c; oz. 10c.

**BORAGA** (Borago officinalis). For flavoring, excellent for bee pasture. Pkt. 5c; oz. 15c.

**CARAWAY** (Carum carvi). Used in pastry, confectionery, etc. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**CATNIP** (Nepeta cataria). Pkt. 5c; oz. 40c.

**DILL** (Anethum graveolens). Used in making pickles. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

**FENNEL** (Foeniculum vulgare). Pkt. 5c; oz. 20c.

**MOREHOUND** (Marrubium vulgare). For making cough remedies. Pkt. 5c; oz. 30c.

**LAVENDER** (Lavandula vera). Aromatic medical herb. Pkt. 5c; oz. 15c.

**MARJORAM** (Majorana). Desirable for seasoning. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.50.

**ROSEMARY** (Rosmarinus officinalis). Pkt. 5c; oz. 30c.

**SAGE** (Salvia officinalis). Extensively used for seasoning. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.50.

**SUMMER SAVORY** (Satureja hortensis). Extensively used for seasoning. Pkt. 5c; oz. 30c; ¼ lb. 60c; lb. $2.00.

**THYME** (Thymus vulgaris). Extensively used for seasoning. Pkt. 5c; oz. 30c; ¼ lb. 75c; lb. $2.25.
TOMATO
Liebesapfel. Tomato.

CULTURE—Sow in early March, in hot-beds or seed-boxes, and when plants have four leaves transplant to four or five inches apart; give plenty of air and endeavor to secure a vigorous and healthy growth. When all danger of frost is past, transplant to open ground, four to six feet apart each way.

EARLiana.

EARLiana. The earliest large smooth red tomato. This tomato is not only remarkable for its earliness, but for its very large size, handsome shape and bright red color. Its solidity and fine quality are quite equal to the best medium and late sorts. One of our growers has a specimen plant that had by actual count forty-five ripened fruits at time of the first picking, and thirty-five green ones of good size. No market gardener should be without this tomato. Pkt. 5c; oz. 30c; ¼ lb. 70c; lb. $2.50.

DWARF CHAMPION. A great favorite; its dwarf habit and upright, tree-like growth permit close planting; resembles the Acme and is hard to beat for home use. Color, purplish-pink smooth and symmetrical; fine quality and solid meated. This is the kind gardeners should grow who sell tomato plants; its stalky, tree-like growth makes most salable plants, outselling other kinds of lanky, scraggly growth. Pkt. 5c oz. 40c; ¼ lb. 80c; lb. $3.75.

NEW STONE. Positively the best all round main crop tomato whether for the market, for canning purposes or for the home garden. The fruit is large, smooth, solid, firm-fleshed, of a handsome deep red color and ripens evenly to the stem without a crack. Our stock of this splendid variety is far superior to what is usually sold under this name. Pkt. 5c; oz. 30c; ¼ lb. 75c; lb. $2.50.

NEW EARLY DETROIT. Largest and best of the early purplish pink tomatoes. The vines are very vigorous and productive. The fruit is very smooth, not liable to crack, runs uniform in size and is of excellent quality. While one of the newest tomatoes it has proven itself to be one of the best varieties for shipping yet produced. Pkt 5c; oz. 30c; ¼ lb. $1.00.

DWARF GIANT. This is a main-crop tomato, produced by crossing Dwarf Champion and Ponderosa. The plants are like the former parent, being of compact form, strong and vigorous, with dark green, heavy cut-leaf foliage. It ripens a week or ten days earlier than Ponderosa and continues to produce until frost. The fruits are large, nearly equaling Ponderosa, of deep crimson color, and are borne in clusters of four or five. The flesh is solid, of excellent flavor, entirely lacking the acid taste so noticeable in some varieties, and contains no core. Like Ponderosa it is very nearly "seedless." Pkt. 10c; oz. 40c; ¼ lb. $1.00.

LIVINGSTON'S GLOBE. Among the first to ripen, of large size, always smooth, with firm flesh and few seeds. In color a deep glossy rose tinged with purple. Exceedingly productive and a good keeper. It is of a mild, pleasant, delicate flavor, unsurpassed for slicing or eating from the hand. Pkt 5c; oz. 30c; ¼ lb. $1.00; lb. $3.00.
TOMATO—Continued

LIVINGTON'S BEAUTY. Originated with the late Mr. A. W. Livingston, of Franklin County, Ohio, and is one of the best ever introduced. Its size, beauty, shape, color, flavor, durability and productiveness make it desirable to growers. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. $2.60.

NEW DWARF STONE. This tomato was originated by “Livingston,” the tomato specialist, in habit of vine it resembles Dwarf Champion, but is of stronger growth, and stands more erect. The tomatoes resemble the original Stone in color, shape, and what is remarkable for an erect sort they are practically the same size. The shape is perfect, with good skin, very solid flesh, ripened evenly and is of excellent flavor. Pkt. 10c; oz. 35c; ¼ lb. $1.00.

GOLDEN QUEEN. This is the only first-class large, pure yellow tomato. Pkt. 5c; oz. 40c; ¼ lb. 95c; lb. $3.50.

PONDEROSA. The fruits often weigh two or three pounds each; of a rich, bright crimson color and all solid meat; exceptionally free from seeds. Extremely delicious in flavor, whether used raw or cooked; a single tomato is enough for a meal. Very desirable for family and market purposes. Pkt. 5c; oz. 45c; ¼ lb. $1.00; lb. $12.50.

JUNE PINK. This new tomato is similar in habit and shape to the famous Earlima and differs practically only in color, which is pink instead of red, the pink color being the more desirable one in most markets. It is the earliest of all pink tomatoes. A very good yeilder of high quality and runs and sets very much. Pkt. 5c; oz. 30c; ¼ lb. $1.00; lb. $3.00.

POPULAR VARIETIES

LIVINGTON'S CORLIESE CRIMSON CUSHION. Each, Pkt. 5c; oz. 50c; ¼ lb. 75c; lb. $2.00.

SMALL-FRUITED Sorts
Red Cherry, Strawberry or Husk, Yellow Cherry, Yellow Peach, Yellow Plum. Each, Pkt. 5c; oz. 45c; ¼ lb. 80c; lb. $2.50.

TURNIP
Weisse Rüben. Navet.

CULTURE—Light, well manured soil is best in April, in drills about fifteen inches apart, and for a succession sow at intervals until the end of August.

EARLY SNOWBALL. Some people may think that a turnip is a turnip, not realizing the great difference between the two. The vegetable and the sweet, mellow, crisp possibilities that have been achieved in the perfection of the Snowball. It was first introduced into this section by us several years ago, and our supply of seed this season is so unusually fine that we are strongly recommending it. Snowball will respond to our reasonable desires for early maturity; grows even in size and is most completely described by its name—pure white and round as a ball. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 50c.

PURPLE TOP WHITE GLOBE. Handsome globular shape, fine-grained, tender and sweet; the best table turnip and a splendid keeper; a rapid grower and a heavy yielder, producing enormous crops. Our stock has been specially selected for years and cannot be equalled. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

LARGE WHITE GLOBE. One of the most productive. In rich soil the roots will frequently grow to 12 pounds in weight. Globe-shaped, skin white and smooth; flesh purplish-red and fine-thread-like root. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 75c.

GOLDEN BALL (ROBERTSON). A rapid grower; globe-shaped, and of a beautiful color and a good keeper; Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c.

RUTABAGA
CULTURE—The roots may be preserved in a pit or cellar during the winter, and are excellent for table use. Sow from the tenth of June to the middle of July in drills two feet apart and thin out to eight inches apart.

IMPROVED AMERICAN PURPLE TOP. This is a selected strain of the finest yellow-fleshed rutabaga, suitable either for table use or stock, flesh remarkably fine-grained and of a sweet flavor; the bulb grows clean and smooth, with a small top; an immense yeilder. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 100c.

HURST'S MONARCH RUTABAGA. Distinct in type, being of tankard shape. On account of the size it attains it will yield from two to seven tons more to the acre than any other variety. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

The following standard sorts at a uniform price of pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c:

SKIRVING'S PURPLE TOP.
LAING'S IMPROVED.
CAB. EP. IMPERIAL.
SHAMROCK.

TESTED VEGETABLE SEEDS.
SELECTED SEED POTATOES.

VEGETABLE PLANTS

<table>
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<tr>
<th>PLANT</th>
<th>READY</th>
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<td>ASPARAGUS</td>
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<td>CABBAGE, Early (Apr. 15)</td>
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<td>Premium Flat Dutch</td>
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<td>CAULIFLOWER (Apr. 15)</td>
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<td>N. S. Co.'s Snowball</td>
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<td>CELERY (June)</td>
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<td>White Plume</td>
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<td>Prague Celeriac</td>
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<td>EGG PLANT (May 15)</td>
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PEPPER (May 15)

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<td>Perfection</td>
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<td>Large Bell</td>
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| TOMATO (May 10)

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<td>New Stone</td>
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<td>Ponderosa</td>
<td>15c</td>
<td>25c</td>
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| RHUBARB (Apr. 15)

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<tr>
<td>Each 10c</td>
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SWEET POTATOES (May 10)

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<td>Early Yellow Jersey</td>
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HORSE RADISH SETS

20c 75c $5.00

NORTHERN GROWN SEED POTATOES

It is a well known fact that the shortness of the season, the cool climate and congenial soil of the North develop in the potato, qualities of earliness, hardiness, productiveness, vigor and disease resistance not found in our home grown stock. For this reason we contract each year for our seed potatoes in those quarters.

EARLY OHIO

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

Growers who have been accustomed to buying the stock usually offered as Early Ohio, secured from promiscuous and doubtful sources, will be delighted at the absolute purity and uniform high quality of our Red River Valley seed.

We consider our stock of Ohio to be the earliest, purest and altogether the handsomest stock of Early Ohio potatoes to be found anywhere. On these points we challenge comparison with stock from any other source. We do not admit that its equal exists among Early Ohio potatoes. They are grown under conditions that make them cost more than common stock. They are selected with the utmost care and the result is grand, such as to delight everyone who knows and appreciates a good potato. Every one of them is a "picture" of what an Early Ohio potato should be. Half pk. 30c; pk. 50c; bu. $1.75; 5 bu. $8.50.
EARLY SIX WEEKS. This variety is very evidently a seedling of the Early Ohio, which it resembles in very way. The potatoes grow so rapidly that under favorable circumstances in six weeks they are as large as hen's eggs, and therefore, fit for family use in six weeks from the time of planting. Half pk. 30c; pk. 50c; bu. $1.50; 5 bu. $8.50.

RED BLISS TRIUMPH. Combines the wonderful productiveness of the old Peerless with all the good qualities of the Early Rose, is much more productive and matures its crop at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with but a very few small ones; eyes slightly depressed; color a beautiful light red. Its great beauty, productiveness and fine quality make it one of the best extra early red market varieties. Red Bliss Triumph have won their reputation through a series of early trials, and we recommend them as the best early potato in the world, and the most profitable to the grower. Half pk. 30c; pk. 50c; bu. $1.75; 5 bu. $8.50.

OMAHA EARLY ROSE. Now we offer you a new Early Rose named after our own beautiful town. It is earlier and the tubers larger than the old and popular Early Rose, and under ordinary field culture will yield 250 to 300 bushels to the acre. We know you will be more than satisfied if you give this fine new sort a trial, as it is the standard early potato: rosy blush skin; white flesh; early, productive, and of excellent flavor; a fine keeper. Half pk. 30c; pk. 50c; bu. $1.75; 5 bu. $8.50.

QUICK LUNCH (NOROTON BEAUTY). Introduced two years ago, has proved an exceptionally early, fine, smooth, and handsome potato. Two weeks earlier than Early Rose, very productive and an excellent keeper. Has superb table qualities and promises to be one of the best all round potatoes in existence. Lb. 10c; pk. $1.00; bu. $2.75; 5 bu. $12.00.

SWEET POTATOES

EARLY YELLOW JERSEY SWEET POTATOES. We make a specialty of having our seed sweet potatoes grown in New Jersey, where they have unequalled facilities for handling and storing. New Jersey grown sweet potatoes are everywhere acknowledged to be the best in quality, being much dryer and sweeter than those grown in the South and West, while their keeping and shipping qualities are away ahead. We pack for shipment in boxes and barrels, with greatest care; but as they are very susceptible to climatic changes, we cannot hold ourselves responsible for their condition after long journeys of several hundred miles, and wish it in their way, and we company here. We do not ship until about planting time unless especially ordered to do so.

THE FOLLOWING PRICES are about what will rule, we think, but as there is liable to be a shortage of good seed at planting time, the prices here quoted are subject to market fluctuations.

EARLY YELLOW JERSEY. Yellow skin, yellow flesh. Very early and prolific. Of fine quality and flavor. Lb. 10c; pk. 40c; bu. $1.50; bbl. of 8 pk. $2.50.

SWEET POTATO PLANTS. Above varieties. 75c per 100; $4.00 per 1,000.

All prices on Potatoes subject to market changes. For large quantities please send for prices.
CLOVERS.

CLOVERS.

RED CLOVER, MEDIUM (Trifolium pratense). This species is regarded by far the most important of the whole genus for the practical purpose of agriculture. It makes two crops each year. The flower is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under for material purposes.

Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. It pays always to buy the best grade of Clover Seed which can be obtained. Even though the first cost is twice as much as cheaper seed, it will be found in the long run that inferior seed is the most expensive, not only on account of less hay or seed being produced from it, but from the fact that one's land becomes infested with weed seeds which decrease the value of the land on which they are growing.

MAMMOTH RED OR PEA VINE CLOVER. Compared with common Red Clover, its flower, foliage and stems are of a darker color, and its seed is the product of the flower of the first crop, while the seed of the common Red Clover is the product of the flower of the second crop, and different in some other characteristics of little importance. It is valuable when sown with other grasses for mixed hay, as it ripens later than the common Red Clover, and about the time that Timothy, Orchard and other grasses ripen, thereby making the hay a much better quality. Being a very rank grower, it is coming into general use for sowing purposes. Sow twelve to fifteen pounds to the acre. Weight, 60 lbs. per bushel.

ALSYKE OR SWEDISH CLOVER (Trifolium hybridum). This clover comes from the little province of Alaska, in Sweden. It is one of the hardest varieties known, being perennial and absolutely refuses to winter kill; it is alike capable of resisting the extreme of drought or wet. It is a great favorite with all who have tried it. Produces annually a great quantity of herbage of excellent quality. Sow in spring or fall about eight or ten pounds per acre. Weight, 60 lbs. per bushel.

WHITE DUTCH CLOVER (Trifolium repens). An excellent pasture clover, forming in conjunction with the Kentucky Blue Grass, the finest and most nutritious food for sheep and cows. Sow five or six pounds to the acre. Weight, 60 lbs. per bushel.

ESPERSETTE OR SAINFOIN (Onobrychis vicifolia). This is a leguminous plant with stems from two to four feet long, tapering, smooth, leaves in pairs of pointed, oblong leaflets, slightly hairy on the under side, flower stalks higher than the leaves, ending in a spike of crimson or variegated flowers, succeeded by flat, hard pods, toothed on the edges and prickly on the sides, root perennial, hardy and woody. Flowers in July. Espersette is considered an indispensable forage plant, improving the quality of milk when fed to milch cows. It is especially adapted to dry soils, sands, gravel and barren regions, with rainfall scarce and irrigation unobtainable. To produce a good stand sow forty to fifty pounds per acre. Weight 24 lbs. per bushel.

YELLOW TREFOLI (Medicago lupulina). An annual or biennial suitable for pasture in wet meadows or for stiff, clayey soils too poor for Red Clover. It is very useful in some sections of the country, sometimes used for hay. 16 lbs.

CRIMSON OR SCARLET CLOVER (Trifolium incarnatum). It is a native of southern Europe and is now largely grown in our southern states for improving the soil by turning under. The yield of fodder is immense, and, after cutting, it at once commences growing again, and continues until severe, cold, freezing weather. It grows about one foot high; the roots are nearly black; leaves long; blossoms long, pointed and of a very deep red or carmine color. Makes good hay. Sow in the fall, fifteen pounds of seed per acre.

PRICES ON CLOVERS

(January 15, 1916)

On account of the early publication of this catalogue we cannot guarantee the following prices on Clover, Grass and Field Seeds. These are market articles, and prices are subject to variation, but purchasers may depend on having them at the lowest ruling price date of order. Market prices of the day or special prices on large lots cheerfully given on application. Express or freight charges always to be paid by the purchaser, except when sufficient money is sent to prepay charges. Two and one-half bushels, extra heavy cotton bags, 25c each extra.

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<td>YELLOW TREFOLI</td>
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CRIMSON CLOVER

15c 10.00
Alfalfa is the imperial forage crop of America. While other field crops surpass in acreage and total yield, in net returns per acre alfalfa is clearly in the lead.

The empire over which alfalfa rules, while not as large as that of corn or wheat, is yet the most remarkable because of the quality and riches that follow in its wake wherever this monarch goes. The time is not far distant when alfalfa will occupy every available acre in every congenial area in America; when the demand for the crop and for its products for seed and hay at home and for meal abroad will be even greater than the supply.

Alfalfa is one of the few crops that leave the soil in better condition for having grown on it. It makes heavy soils more porous, supplies humus, brings up plant foods from lower depths and fixes nitrogen to its roots from the air to nourish later crops after the alfalfa has been plowed up.

All in all, it is the grandest forage plant on earth, and cannot be too highly recommended.

So profitable is it when once established, that every farmer can afford to take great pains to obtain a stand. Our free Alfalfa booklet gives detailed instructions as to its handling from the preparation of the soil and sowing of the seed to the harvesting of the crop. As the best of seed is essential to the highest results, we earnestly recommend the use of our "Purity" brand. Like our other grades this seed is American grown, raised in the West and Northwest on non-irrigated land. It is absolutely free of noxious weeds and other foreign matter. It contains none but fully matured seeds and of the highest possible viability. We invite the most critical examination and the most careful analysis.

**Prices (January 1) Subject to Market Variations**

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<th>Lb. 10 lbs.</th>
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<td>Choice</td>
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<td>Prime</td>
<td>180c</td>
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**Grimm Alfalfa.** This is an extremely hardy variety originally brought from Germany over fifty years ago. Some of the earliest seedlings are still producing heavily. On account of its productiveness and extra hardiness it has attained considerable prominence in recent years. It is however a very shy seeding sort, seldom producing more than half as large a crop of seed as ordinary alfalfa.

**Price—**

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<tr>
<td>Purity</td>
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TURKESTAN ALFALFA

The seed of Turkestan Alfalfa was first secured from Russian Turkestan by Prof. N. E. Hansen, while engaged as agricultural explorer for the Department of Agriculture at Washington, D. C.

The climate of Turkestan is not unlike that of our interior states, being far removed from the ocean and surrounded by wide expanses of dry land. The summers are very hot and long, and in many places the evaporation exceeds the quantity of moisture that has fallen during the year. Cattle raising is the main industry. The flourishing growth of this variety of alfalfa under such rigorous conditions made every reason to believe it would prove equally valuable in this country.

Extensive trials in Western Nebraska, Montana, Wyoming and the Dakotas, in which it successfully withstood a minimum temperature of 45 degrees below zero without injury, soon proved its hardiness.

In periods of extended drouth it has been found to greatly outyield ordinary alfalfa. This is largely attributed to its longer and stronger tap root reaching stores of moisture beyond the depth of other alfalfa.

Not only does it endure extreme drought and cold, but excellent crops of it have been raised on strongly alkaline soils.

In this way Turkestan Alfalfa permits of a great extension of the area heretofore devoted to the cultivation of Alfalfa, and this, too, in sections where climatic conditions have almost prohibited the growing of leguminous forage crops.

The plants grow strong, more leafy with slender and less woody stems than the common sorts, thereby making a finer and more nutritious hay.

It is generally possible to cut one more crop per season than of other sorts.

The seed we offer is imported direct from Turkestan.

**PRICES** (January 1) Subject to Market Variations

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**ASK FOR OUR SPECIAL ALFALFA BOOKLET**

**ERRATA**

Prices of Choice and Prime Alfalfa on page 29 should read:

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<th>Lb.</th>
<th>10 lbs.</th>
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<td>Prime</td>
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SWEET CLOVER

This plant from being considered a pest and legislated against, has in the past few years come to be ranked with red clover and alfalfa as a food crop and soil improver.

It will grow on any soil that will grow clover or alfalfa and on many soils that will grow neither of these. It lives two years. The first season it makes a rapid growth and may be cut for hay or pastured in the latter part of the summer. The second year it will make two crops of hay or one of hay and a seed crop, as the second year it blossoms, bears seed and dies.

The roots are large and fleshy and penetrate deeply into the soil, which on the death of the plant decay rapidly and furnish a large amount of humus. The same nitrogen gathering bacteria that are found on alfalfa live on the sweet clover roots making it as valuable a source of nitrogen as the former. It is invaluable for enriching a thin sandy, hard, rocky or sour soil.

It may be used freely as pasture as cattle do not bloat on it as when using alfalfa or red clover. The hay is equal to alfalfa, especially when cut before it becomes woody.

Sow 15 to 20 lbs per acre, either fall or spring but preferably in the spring.

We offer the following varieties:

**WHITE SWEET OR BOKHARA CLOVER**—*(Melilotus alba)*. A biennial growing 4 to 6 ft high and the variety most widely used. Solid, hulled seeds. Prices subject to market changes:

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**YELLOW SWEET CLOVER**—*(Melilotus officinalis)*. A biennial, similar to the foregoing, but smaller and of more trailing manner of growth. Claimed by many to be superior for pasture. Lb. 25c; 10 lbs. $2.00; 100 lbs. $18.00.

**YELLOW ANNUAL SWEET CLOVER**—*(Melilotus Indica)*. Lb. 20c; 10 lbs. $1.50; 100 lbs. 10.00.
GRASS SEEDS

KENTUCKY BLUE GRASS (Poa pratensis). Agriculturally this is well called the King of all Pasture Grasses. Wherever this grass does well, generally on lime soil, and there at once commands a high price, as it becomes the animal breeder's ideal location. This grass requires some time to establish itself. For a couple of years should only be lightly grazed. Time for sowing depends on the locality. There are three principal times of sowing in the Fall, in the early Spring and again in June. Sow three bushels (14 lbs. to the bu.) per acre. This seed should never be covered, but only rolled after sowing, as the seed germinates better in the light than in the dark. Our seed this year was specially saved for us by one of the largest Kentucky growers, is almost free from foreign and chaffy matter, and our tests show a very high percentage of germination. Purchasers should beware of cheap Blue Grass, as it is sure to be light seed or else mixed with the cheaper Canadian Blue Grass.

For lawn purposes it is the standard and superior to any other sort. Under favorable soils it will withstand all variations in weather and climate. For lawns sow 50 to 75 lbs. per acre for pasture 30 lbs. "Purity" brand fancy seed, per lb. 25c; 10 lbs. $1.55; 100 lbs. $16.00.

RHODE ISLAND BENT (Agrostis Canina). Of dwarfer habit, with shorter, narrower leaves than Red Top. It is a beautiful, close, fine turf, and is one of the very best grasses for lawns in mixture with other sorts. It adapts itself to almost any soil, rich and moist, or dry sandy and stony (10 lbs. to the bushel.) Sow 50 lbs. to the acre. Per lb. 50c; 10 lbs. $4.50; 100 lbs. $40.00.

CREEPING BENT (Agrostis Stolonifera). The distinctive feature of this species is its compact creeping rooting stems. It is of rapid growth and spreading habit and the stoloniferous roots form a strong enduring turf that is positively improved by constant trampling. Being of fine texture it is most valuable for lawns, putting greens, and terraces. Sow 50 lbs. $40.00.

RED TOP (Agrostis Vulgaris). A very hardy, native, perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. It is perhaps the most permanent grass we have and remains green for the greater part of the year. Its long trailing stems form a very close matting turf that is not affected by trampling. In chaff, per lb. 15c; 10 lbs. $1.50; 100 lbs. $7.00. Fancy seed free from chaff (sow 25 lbs. to the acre), per lb. 30c; 10 lbs. $2.50; 100 lbs. $20.00.

SWEET VERNAL (Anthoxanthum Odoratum). Valuable on account of its delicious perfume; when included in hay its aroma is imparted to other grasses, enhancing the value of the hay and making it relished by the stock. Per lb. 50c; 10 lbs. $3.50.

TALL MEADOW OAT GRASS (Avena Elatior). This produces an abundant supply of foliage and is valuable for pasturage on account of its early and luxuriant growth. Sow 100 lbs. to the acre. Per lb. 30c; 10 lbs. $3.00; 100 lbs. $30.00.

BERMUDA GRASS (Cynodon Dactylon). The most valuable grass for the southern states, as it withstands heat and drought wonderfully well. Is valuable for hay and pasture and unsurpassed for lawns in the south, as it runs over the ground, forming a dense turf. Sow 3 lbs. per acre. Lb. 60c; 10 lbs. $5.50.

CRESTED DOG'S TAIL (Cynosurus Cristatis). A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting greens. It thrives well in the shade. Per lb. 45c; 10 lbs. $4.00; 100 lbs. $35.00.

ORNAMENTAL LAVENDER (Lavandula Angustifolia). The plants are admirable for masses of color, and their dried flowers, delicately perfumed, are used in potpourris, sachets, etc.

PENNSYLVANIA SWEET SORREL (Oxalis Pallida). A charming little perennial, the clusters of white flowers appearing in July and August, and the bright green foliage making a good show the remainder of the year. Per 1000 10c; 10,000 50c; 100,000 (1 lb.) $2.00.

PRETTY WHITE SNOWDROP (Galanthus Nivalis). The pure white flowers appear in January andFebruary, and occasionally as early as December, thus adding a welcome touch of beauty to the winter landscape.

SUGAR PLANT (Saccharum Officinarum). An ancient sugar plant, the sugar content of the stalks is 15 to 20 per cent. of the weight of the plant, but our seed is free from the solid sugar and contains only about 16 per cent. of cane sugar. Per lb. 10c; 10 lbs. $1.00; 100 lbs. $10.00.
GRASS SEEDS

ORNAMENTAL GRASS (Dactylis Glomerata). No form should be without a small field of Ornamental Grass. For evergreen effect it is particularly effective, since it remains green throughout the winter, whereas many other grasses, stands the drought, grows well in the shade, does well in wet and poor ground, and is established to prevent worn-out fields from washing. This grass furnishes an excellent pasture for three weeks before any other and after close grazing. Ten days’ rest is sufficient to produce another growth of it. Sow it on Red Tum or in the usual way and richer milk than on Blue Grass. It makes a very heavy sod, and when well set remains for many years. It is especially adapted for a winter grazing, as it remains green all the season. Sow twenty-five to thirty pounds to the acre. Per lb. 26c; 10 lbs. $1.20; 100 lbs. $18.00.

HARD FESCUE (Festuca Duriiuscula). This grass does well in sandy pastures. It is slender and very tufted perennial, a dwarf form of Sheep Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow 30 lbs. to the acre. Per lb. 26c; 10 lbs. $2.00; 100 lbs. $18.00.

VARIOUS LEAVED FESCUE (F. Heteroplla). A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures and hay fields. For lawn purposes it is quite desirable. Much better for places, its fine soft leaves and its creeping roots making a very good turf. Sow 40 lbs. to the acre. Per lb. 40c; 10 lbs. $3.00; 100 lbs. $30.00.

SHEEP’S FESCUE (T. Ovina). Suited to light, sandy, gravelly, or sandy soils. It is quite deep rooted, and not affected by extreme drought. Sheep are especially fond of it. Sow 35 lbs. per acre. Per lb. 35c; 10 lbs. $3.00; 100 lbs. $25.00.

MEADOW FESCUE OR ENGLISH BLUE GRASS (F. Pratensis). Grows two or three feet high, but never in large tufts like Orchard Grass. One of the earliest, most nutritious and productive grasses. It is especially suitable for permanent pasture; thrives well in all soils, but to best advantage on moist lands. Makes good hay and cattle thrive well on it, whether dry or in a green state. It succeeds well even in poor soil, and, as its roots penetrate the earth twelve to fifteen inches, it is not affected except by exceedingly dry weather, and is as valuable a fertilizer as Red Clover. It is one of the hardiest grasses and, with good grassland soil, will succeed better than many other grasses. It yields an abundant crop of seed, about eight to ten bushels per acre, which can be threshed by any threshing machine. Notwithstanding its acknowledged merits, this grass has been sown only to a limited extent in this country. It is deserving of much more attention than it has hitherto received from our western farmers. Sow about twelve to eighteen pounds per acre in spring or fall. Per lb. 30c; 10 lbs. $1.50; 100 lbs. $14.00.

RED OR CREEPING FESCUE (F. Rubra). This is a creeping rooted species of Fescue. On account of its creeping roots, forms a compact and durable turf, especially valuable for binding loose soils and for gravelly banks and dry slopes. An excellent for lawn bottom grass for pastures and especially for those which are quite shaded. For a lawn grass, is very good, especially for shaded spots. Sow 20 lbs. to the acre. Per lb. 40c; 10 lbs. $2.50; 100 lbs. $30.00.

JOHNSON GRASS (Sorghum Halapense). This is a species of the Sorghum family. It is an excellent grass for grazing, and contains a large percentage of saccharine matter. Sow about 25 pounds to the acre. Per lb. 20c; 10 lbs. $1.50; 100 lbs. $12.00.

ENGLISH OR PERENNIAL RYE (Lolium Perenne). The hay grass of England where its position is the same as Timothy in the United States. Also does very well in this country. Good for both pasture and meadows. Moist and rich clay or loams are the soils best suited to

IT IS A VALUABLE LAWN GRASS, ESPECIALLY WHERE QUICK RESULTS ARE SOUGHT. SOW 50 TO 60 LBS. TO THE ACRE. PER LB. 20C; 10 LBS. $1.50; 100 LBS. $12.00.

ITALIAN RYE GRASS. In nutritive value, earliness and quickness of growth after it has been sown, it far surpasses the Perennial Rye Grass. It is, therefore, indispensable for alternate husbandry; but as it does not last over two years, it is of no use in permanent pastures. The soils best adapted to Italian Rye Grass seem to be those that are moist, fertile and tenacious, or of a medium consistency, and on such soils it is said to be one of the best grasses known to cut green, affording repeated luxuriant and nutritious crops. Sow thirty to forty lbs. to the acre. Per lb. 20c; 10 lbs. $1.50; 100 lbs. $12.00.

TIMOTHY (Phleum Pratense). The most popular of all grasses for hay and the standard to which all other hay is compared. It is a perennial, doing best on a moist, tenacious, rich soil. On light soils the yield is generally scant. The best results are had by sowing Timothy with a mixture of Red Top and Clover. Timothy does not make a desirable pasture as there is little growth after being cut and trampling of stock soon destroys it. Hay should be cut just when it has stopped flowering. Quantity of seed per acre varies with the character of the soil. On heavy soils sow one-third to one-half bushel per acre; on light soils less.

PURITY BRAND $1.10 $10.00

FACILITY 1.00 9.50

CHOICE 0.50 5.00

SUBJECT TO MARKET CHANGES.

RESUE GRASS. Does well on any high dry soil, yielding two heavy crops a year. Much liked by cattle, which will walk over everything to get at it. Lb. 30c; 100 lbs. $20.00.

TIMOTHY
SPECIAL GRASS SEED MIXTURES

The Neraska Seed Co.'s Special Grass Mixture

This extra-choice mixture contains a large proportion of the finer and more expensive species, such as Rhode Island Bent, Creasted Dog's Tail, creeping Bent, in extra-heavy samples, bringing a weight up to 20 lbs. per bushel, and producing a turf of the closest and finest texture possible. Sow 100 lbs. per acre. Per lb. 40 lbs. 6 lbs. 1.65; 10 lbs. $3.00; 20 lbs. $5.50.

Lawn Restoring Grass Mixture

A mixture of grasses peculiarly suited to take in hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow them is early in spring, but seed may also be sown the fall from first of September to first of October. Some Lawn-restoring Grass Seed should be sown before every summer rain on thin faces. Per lb. 36c; 5 lbs. $1.50; 10 lbs. $2.75; 3 lbs. $5.00.

GRASS MIXTURES FOR MEADOWS AND PASTURES

It is a well-ascertained fact that a thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some begin to grow in the beginning of spring until winter sets in there is no best. Grass seed may be sown either early in October in this latitude.

No. 1—On good land, neither too dry nor too wet.
No. 2—On high and dry land.
No. 3—On wet land.

PASTURE MIXTURES.

No. 4—On good land, neither too dry nor too wet.

FAIR GREEN AND GOLF LINK MIXTURE

A mixture of foreign and domestic grasses that will give general satisfaction on a majority of soils. The turf formed by the grasses comprising this mixture will stand wear and tear and still retain its good appearance. Per lb. 25c; 3 lbs. 65c; 5 lbs. $1.00; 10 lbs. $1.85; 25 lbs. $4.25; 100 lbs. $16.00.

PUTTING GREEN MIXTURE

A mixture of extra fine leaved, low growing perennial grasses that will make a close, firm and lasting turf which actually improves with trampling. Sow 50 lbs. per acre. Per lb. 25c; 5 lbs. $1.00; 10 lbs. $1.85; 25 lbs. $4.50; 100 lbs. $17.50.

No. 5—On dry land.
No. 6—On wet land.

Prices:

No. 4—Per 10 lbs. $2.00; 25 lbs. $4.75; 40 lbs. (enough for 1 acre) $8.50; 100 lbs. $18.50.
No. 5—Per 10 lbs. $2.00; 25 lbs. $4.75; 40 lbs. (enough for 1 acre) $7.50; 100 lbs. $18.50.
No. 6—Per 10 lbs. $1.75; 25 lbs. $4.00; 40 lbs. (enough for 1 acre) $6.50; 100 lbs. $15.50.
MILLETS

JAPANESE MILLET. All things considered, we call this the most valuable thing in our whole list of forage plants. It has been numerous different names, as "Million Dollar Grass," "Steel Trust Millet," etc., but they are all one and the same thing. We recommend it for the following reasons:

First — It makes more hay than German Millet or any other.

Second — Although it grows so large, sometimes seven or eight feet high, the hay is of most excellent quality, superior to corn fodder.

Third — It is adapted to all sections and a great success wherever tried. It does well on low ground.

Fourth — Two crops a season may be cut from it, or, if left to ripen, it will yield almost as many bushels of seed per acre as oats.

Fifth — It requires less seed per acre than any other millet, 20 to 30 lbs. being sufficient.

Sixth — It makes fine sillage, especially if mixed with Soja Beans or Sand Vetch.

Seventh — It is highly endorsed and recommended by the United States Department of Agriculture, by all Experimental Stations and by seedsmen generally.

Be sure to order of us as we are headquarters. At our prices it is even cheaper than German Millet, as it requires only one-half as many pounds to seed an acre. Therefore, it cannot stand in the way of trying it this year. Do not be afraid of it because it is new. Treat it just exactly as you would German Millet, only sow it a little earlier for the best results. The latter part of May is about right. We know it will please you. Lb. 10c; pk. 50c; bu. $1.75.

EARLY FORTUNE MILLET. A most promising new variety, of which astonishing yields are reported. It is very early and it is claimed to be rust proof, and that chinch bugs will not eat the plant. The seed is very beautiful and distinguished in appearance. Price Fancy Recleaned Early Fortune Millet, lb. 10c; pk. 50c; bu. $1.50.

MANITOBA OR HOG MILLET. This has come to be one of the most valuable crops that the farmer can raise, the seed being the richest and most valuable hog food that can be had, while the hay is very valuable for stock. A very much prized peculiarity of the New Manitoba is that the seed ripens while the hay is yet green, when cut promptly can be threshed for seed, while the hay makes excellent fodder after being threshed. Lb. 10c; pk. 50c; bu. $1.50.

THE NEW SIBERIAN. The most wonderfully productive and satisfactory forage plant, possessing in a superior degree all the essential merits of any of the older sorts — exceeding them by far — besides many other points of excellence that distinguishes it and renders it a most valuable addition to the list of forages, and the claims are well founded which destines it to take front rank, if not lead of all the rest. It is said to have been in Russia, that it was brought from Russia, and that it was given to us by the State Department of Agriculture, and it has given it vigor and hardiness not possessed by those originating in a warm climate. Lb. 10c; pk. 40c; bu. $1.50.

HUNGARIAN GRASS. A valuable forage plant, withstands drouth, yields well on light soil, and can be sown broadcast at the rate of thirty-four to forty-eight pounds to the acre and cultivate the same as millet. Weight, 48 pounds per bu. Lb. 10c; pk. 45c; bu. $1.50.

COMMON MILLET (Panicum Millicaeum). Very early; grows two or three feet high; foliage broadcast from May 1 to June 20. It is for seed, or until the last of July for hay. For grain sow in drills; use 30 to 50 lbs. per acre. If for hay sow broadcast, 50 lbs. per acre. Weight, 50 lbs. per bushel. Lb. 10c; pk. 35c; bu. $1.25.
RAPE — TRUE DWARF ESSEX

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as good cultivation. Any poor soil will grow rape. A good crop will furnish at least twelve tons of green food per acre and its nutritive value is nearly twice that of clover.

This plant may be grown successfully in the following ways:
First—In the early spring to provide pasture for sheep and swine.
Second—In June or July on well prepared land to provide pasture for sheep. The crop will be ready to feed at the season when it is most needed.
Third—Along with grain, using two lbs. of seed per acre to provide pasture for sheep after harvesting.
Fourth—Along with peas, oats, clover seed, to provide pasture for sheep, and to get a "catch" of clover.
Fifth—Along with corn drilled in broadcast to provide pasture for sheep.

Shh—In corn, sowing the seed with the last cultivation given to the corn.

Seventh—Along with rye sown in August in sheep pastures.

When the Rape is sown broadcast, 5 lbs. of seed per acre will suffice. When sown in rows, say 30 inches apart, and cultivated, from one to two lbs. will be enough. The cost of seeding an acre is less than with any other forage plant.

A director of one of the Agricultural Experiment Stations says: "We had one-half an acre of Rape, which gave an actual yield of nine and three-fourths tons, or at the rate of nineteen and one-half tons per acre."

Price, lb. 20c; 10 lbs. $1.80; 25 lbs. $4.00; 50 lbs. $7.00; 100 lbs. $13.00. Subject to market changes.

BROOM CORN

WILSON'S IMPROVED TENNESSEE EVERLASTING. This Broom Corn grows about 8 to 10 feet high, stands up well and is entirely free from crooked brush. The fibre is long and fine and will always command the highest price. Lb. 10c; pk. 50c; bu. $1.50.

MISSOURI EVERGREEN. Is a favorite of Kansas, Nebraska and Missouri. Lb. 10c; pk. 50c; bu. $1.50.

BUCKWHEAT

Buckwheat should be sown about the middle of June, broadcast, at the rate of from one to three pecks per acre.

JAPANESE. An early maturing variety with dark brown seeds, or large size, making it a profitable sort to raise. Lb. 10c; pk. 50c; bu. $1.50; 5 bu. $7.00.

SILVER HULL. This variety is a decided improvement over the common sort. The hulls are light gray and very thin. Much preferred by winter fowl. Remains in bloom for a long time. Millers as there is less waste and it produces a Lb. 10c; pk. 50c; bu. $1.50; 5 bu. $7.00.

COMMON. The old, well known sort. Lb. 10c; pk. 50c; bu. $1.50; 5 bu. $7.00.

FLAX SEED

PRIMOST OR MINNESOTA NO. 25. A variety selected and improved by the Minnesota Experiment Station. Field tests at the station for three years showed yields averaging 3.4 bushels per acre more than the average of three commercial varieties. In addition to its superior yielding ability it produces longer stems. Write for prices.

RUSSIAN FLAX. The variety principally used in the flax growing sections, but which we expect to be superseded by the No. 25. Our stock was especially selected for large heavy seed and freedom from disease. Lb. 10c; pk. 75c; bu. $2.50.

EMER.

(Triticum Spelta)

This grain, wrongly called speltz, was introduced from Europe and has been profitably grown in this country for more than twenty years with increasing popularity. Its ability to resist drought, attacks of rust and smut and damage by wet weather during harvest, and the fact that it is adapted to semi-arid as well as more humid conditions and to a variety of soils make it a general favorite as regards soil and climate. It is readily eaten by all kinds of stock, being especially adapted to milch cows. Mixed with oats as a ration for horses, it replaces corn. Lb. 10c; 10 lbs. 50c; bu. (40 lbs.) $1.10.

PEANUTS

Peanuts can be cultivated as early as potatoes.

MAMMOTH VIRGINIA. Lb. 15c; 10 lbs. $1.25.
COW PEAS—THE GREAT SOIL IMPROVER

Market Price Unsettled. Write us for Latest Quotations.

More and more Cow Peas are planted every year as the farmer realizes more and more their great value as a soil enricher. The plant is a legume, and through the agency of the nitrogen producing bacteria on its roots adds this valuable plant food to the soil much cheaper than it is possible to obtain it in any other way. Cow Peas make excellent hay; should be cut and cured the same as Clover; then the stubble with its new growth may be turned under as a fertilizer. Kaffir corn sown with Cow Peas holds the vines off the ground, causing a better growth.

For those in the North who have had poor success with Cow Peas, we suggest the plant must have a warm, almost sandy soil. Where never grown before, the best results may be had in drilling the seed and cultivating at first as for field beans—the growth being quite slow at first; weeds get the best of things unless kept down.

BLACK COW PEAS. This variety, while a little later than Whippoorwill, produces more growth of foliage and is consequently better for cutting and as a soil improver. It makes large yield of peas and is very popular in the latitude of Kentucky. Lb. 10c; pk. 50c; bu. $3.00.

WHIPPORWILL. A favorite early bunch-growing variety, has brown speckled seed. This variety is excellent for the North and West on account of its early maturity and habit of growth. Lb. 10c; pk. 80c; bu. $3.00.

CLAY. This makes an enormous and remarkable growth of vines, but requires the full growing season to make its crop. In yield and growth of vines it surpasses any of the varieties of Cow Peas. This variety should be planted in May. Lb. 10c; pk. 80c; bu. $3.00.

NEW ERA. An early maturing variety, which has proved very popular and satisfactory. It is upright-growing, quick to mature, and remarkably prolific of peas. The vines cure easily, making splendid dry forage. The seed are smaller in size than the ordinary Cow Pea, so that it does not require as many to seed an acre, from three to five bushels to one bushel per acre will give ample seeding. Lb. 10c; pk. 90c; bu. $3.25.

CANADA FIELD PEAS

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at a cost of millions of dollars." (Year-book of the U. S. Department of Agriculture.)

For the Northern States there is no crop of greater value than Field Peas and none is neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the Peas sown alone at the rate of three bushels per acre for plowing under, there is no crop that we can so strongly recommend for more extended culture.

Canadas Field Peas AND OATS FOR FODDER

For Dairy Cows and Hogs, Equal to Corn, and Six Weeks Earlier.

These make a better and larger which double the production of milk. They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about four inches deep; the oats then sown and harrowed in. They will be ready for cutting about the latter end of June and again in October. This makes two crops of milk and the pods formed on the peas. Farmers having sown this crop will be surprised at its large yield. It is a nutritious food and relished by all kinds of stock. This crop also makes an excellent soil Improver when turned under like cow peas as described above.

FIELD PEAS. White Canada Field. Lb. 10c: pk. $1.25; bu. $4.00.

GREEN FIELD. Lb. 10c; pk. $1.25; bu. $4.00.

SAND OR WINTER VETCH

Too much cannot be said regarding the value of this Vetch for forage and fertilizing purposes. It succeeds and produces good crops on poor, sandy soils as well as on good lands, growing to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. If sown in the spring, it can be sown alone or mixed with oats, spring rye or barley. If sown during August or September, winter rye serves as a good support. The root growth is very extensive from the beginning, and makes quantities of nitrogen tubercles, thus giving it very valuable fertilizing properties. For plowing under as a sowing crop, we believe it is superior to Crimson Clover or Cow Peas. As a forage plant it will yield 1½ to 4 tons per acre. It is excellent for dairy stock and poultry pasture, being exceedingly nutritious, eaten with relish and may be fed safely to all kinds of stock. Sow 50 to 60 pounds per acre with ½ bushel rye, oats or barley. Price per lb. 30c; 10 lbs. $2.60; 25 lbs. $6.00; 50 lbs. $11.50; 100 lbs. $22.00.

SPRING VETCHES, OR TARES

A species of very small pea, grown extensively in France and Belgium. It isCalled Tares. The seed is also largely used for pigeon feed. Culture same as for field peas. Lb. 20c; 10 lbs. $1.60; 25 lbs. $3.50; 50 lbs. $6.00; 100 lbs. $10.50.

LANT OF SAND OR WINTER VETCH—NOTE THE GREAT NUMBER OF NITROGEN TUBERCLES ON ROOTS

INOCULATION OF THESE SEEDS IS ESSENTIAL FOR THE BEST RESULTS.
OATS

Lincoln. After many years’ trial, has proved itself one of the most popular oats yet introduced. We call attention to the following special points of excellence: First—It is very productive, having in all instances yielded more to the acre than any other sort grown in the same locality, in one case having yielded 174 bushels from a single sheaf of seed. Second—it is very early. Third—it has thus far proved itself rust-proof. Fourth—it stands up better than any other sort. Fifth—it is best for feeding on account of its thin shell, heaviness and soft nib. Sixth—it is best for oatmeal or gristing. Pk. 25c; bu. 85c; 2½ bu. $2.05; 5 bu. $4.00.

Swedish Select Oats. A pedigree variety introduced from Russia. This was in the cereals exhibited by the United States Department of Agriculture at the late St. Louis Exposition. Now well acclimatized, weighs from 38 to 40 pounds per measured bushel. The straw coarse, noted for its stiffness and power to withstand lodging. The grains are pure white in color, large, thick and plump, making a very handsome appearance. The kernels are large, upright and bushy, they are also nearly all meat, the hull being exceedingly thin, making them especially valuable as a feeding oat. Their great root development enables them to resist drought better than most other kinds. They are quite early and less liable to smut and rust than most any other sort. Pk. 25c; bu. 85c; 5 bu. $4.00.

Seed Barley

Manshury. Is one of the very best six-rowed barleys grown, with kernels plumper and fuller than the best Scotch Barley, while for nailing it is the very best known. It is early in ripening, which helps it to fill well, thus it is always plump. Lb. 10c; pk. 50c; bu. $1.50.

Black Barley. Weighing sixty-two pounds o the measured bushel. Wonderfully productive, end of great value for feeding and fattening cattle and hogs. It is exceedingly prolific, having yielded 180 bushels of shelled barley from two bushel of seed sown. Lb. 10c; pk. 50c; bu. $2.00.

Winter or Spring Rye

Rye, Winter. Our stock is No. 1 Grade. Price, lb. 10c; pk. 35c; bu. $1.25.

Rye, Spring. This grain is often planted by farmers especially for the paper makers, who prefer it to other. Lb. 10c; pk. 50c; bu. $1.75; 5 bu. $8.00.

Winter Wheat

We have growing now the following varieties: Red Turkey, Fulcaster, Highgrade, Nigger, New Monarch, Golden Cross, Red Clawson, Jones Winter Fife and others. Will be pleased to quote prices next fall in time for sowing.

Kherston Oats. Brought to America in 1900 by the University of Nebraska from the province of Kherston, Russia, with the idea of procuring an oat that would be hardy, a good yielder, and yet extra early. Small lots were sent out to farmers all over Nebraska and the tests have proven that the oats far exceed their highest expectation as to earliness, amount of yield, and ability to withstand our heavy winds and no lodge.

We have secured our stock seed from a grower in Douglas county who received his start from one of these small lots furnished him four years ago by the Experimental Station. The Kherston Oats when ripe are a beautiful yellow color, have fine, large sprangled or full heads which frequently contain more than 100 seeds. The stalk is stiff and does not lodge or rust. It has broad leaves, many of which are three-quarters of an inch wide; they extend to the roots and are so pliable that they stay on even through threshing. Unlike most heavy yielders these oats have a large grain with a very thin hull. Under favorable conditions they have yielded as high as 95 bushels to the acre in Nebraska. At the University Experimental Farm they made 71 bushels to the acre. Lb. 10c; pk. 30c; bu. 85c; 2½ bu. $2.00; 5 bu. $4.00.

Spring Wheat

Velvet Chaff Blue Stem. This a remarkable semi-early seed, yielding extremely well in soft wheat states. No soft wheat will give better satisfaction that Velvet Chaff Blue Stem. Lb. 10c; pk. 50c; bu. $1.75.

Macaroni Spring Wheat. New variety for the semi-arid district. The thorough establishment of this new wheat industry will be the greatest benefit to agriculture in the semi-arid plains. A million or more acres can thus be given to profitable wheat raising which, on account of drought heretofore have been entirely idle or less profitably employed. In a few years the result ought to be the addition of thirty to fifty million bushels to the annual wheat production of the great plains alone.

In the West, especially the semi-arid sections, these conditions are ideal for producing this wheat. Lb. 15c; pk. 65c; bu. $2.00; 5 bu. $9.00.

Marquis. Is a week to ten days earlier, yields 5 to 10 bushels per acre more and has higher milling and baking tests than any other hard spring wheat.

This wheat is a cross between the Red Fife and Red Calcutta, an early, hard, red wheat from India. The plant is similar in appearance to Red Fife, but the heads as a rule are heavier and the straw shorter, thus making it less liable to lodge. The grain is flinty dark red and short and thick, giving it a distinctive appearance. The heads are beardless and the chaff smooth and yellow. The seed we offer is Canadian grown, free from smut and exceptionally pure. Price, lb. 15c; pk. 80c; ½ bu. $1.25; bu. $2.00.
Sorghum

Yellow Milo Maize—(Milo). Growth is tall, 9 to 12 feet, stooing from the ground. It sends out shoots also from the joints. Seed heads grow to great size and weigh up to 5 to 6 pounds, sometimes a full pound, after ripening. On account of the branching habits this grain should be planted in rows 4 to 5 feet apart, and 5 to 6 feet in the drill, or 2 plants in a hill, 3 to 5 feet part. Lb. 10c; 10 lbs. 35c; 100 lbs. $2.00.

PETERITA—Introduced in the United States in 1907 from Egypt. Peterita has been grown for several years in Oklahoma and found to be one of the greatest food crops and heavy-yielding plants grown in that section. Grows 30 to 55 bushels per acre last season.

Peterita has a white kernel, somewhat larger than Kafir and heads a little shorter; grows 4 to 6 feet tall and matures about 40 days earlier than Kafir. Should be planted in rows 3 ½ feet apart and dropped 6 to 8 inches apart in the rows. It should not be planted as close as Kafir, because when the plant is about 6 inches high, it puts out from 4 to 10 sucker plants, each plant maturing a head of 5 or 7 grains. The heads of Peterita grow upright and has the same feeding value for all kinds of stock or poultry that Kafir or Milo has.

Peterita should be cultivated the same as Corn, Kafir or Milo; should be cut and bound the same as Kafir and fed out in bundles to get the best results. Lb. 10c; 10 lbs. 40c; 100 lbs. $2.50.

Sudan Grass. This is one of the most remarkable forage crops known, was introduced by the U. S. Department of Agriculture, from Egypt, in 1909, and tested at various state experiment stations. These tests show it to be adapted to the semi-arid regions as well as those enjoying adequate rainfall.

It is a tall annual grass normally growing from 6 to 10 feet high and producing from 25 to 100 stalks to each plant. The yield of hay is reported from 3 to 6 tons per acre. All kinds of stock eat it readily and it makes a profitable ensilage.

In arid districts it is usually planted in rows 3 feet apart, using 2 to 4 lbs. of seed per acre if a seed crop is desired. If forage is wanted, plant 8 to 12 lbs. per acre in 18-inch drills. Sown broadcast in regions of ample rainfall, 15 to 20 lbs. per acre is required. 1 lb. 25c; 10 lbs. $1.20; 100 lbs. $9.00.

Sugar Cane

Sorghum (or sugar cane) has attracted general attention. In the West, its great merit is not at all appreciated, and we wish to call the attention of farmers everywhere to the great value of Sorghum as a pasture and fodder crop, and to the particular advantage to be gained by growing it. Sorghum may be made to furnish the principal provender for cattle and horses from August until the following spring. As a summer pasture for sheep, a wide field is likely to be opened up by it. As a sowing food for swine it is most excellent, and the seed furnishes a splendid food for fowls. It can be profitably grown everywhere, from the extreme north to the extreme south, and on any ground adapted to the growth of corn. It grows right along through the severest and most prolonged droughts, so that a good yield may be expected from suitable soils in any seasons after the plants have secured a good start.

Early Amber Cane. This popular and well known variety is the earliest. Lb. 35c; bu. $1.25; 5 bu. $5.00.

Early Orange Cane. A well known variety, well adapted for the south. Lb. 35c; bu. $1.25; 5 bu. $5.00.
G R A I N   C L E A N E R S

S T A N D A R D   S E E D   A N D   G R A I N   C L E A N E R S

NO. 102 STANDARD
Hand Grain and Seed Cleaner

We can furnish a sacker with these mills at $10.00 extra.

Height, 44 inches.
Length, 58 inches.
Width, 31 inches.
Equipped with 10 screens 18x29 inches. Nine zinc and one wire.
Capacity: 1,400 lbs. of seed, 12 bushels per hour.
Price, $52.00 net.

This machine for cleaning wheat, oats, rye, barley, corn, beans, peas, clover, timothy, flax, buckwheat, can seed, kafir corn, millet, comfits, rice, mustard, aifalla, brome corn, spelt, etc., and grades your corn for seed, cleans all grain and seed thoroughly in one operation and without waste; separates cookie from wheat, peat from clover—in fact, makes any separation that can be made on a machine by screens and blast. It is constructed with an eccentric on a straight shaft and so built that there is no slack motion. It has a vertical air shaft end vibration, cone pulleys on drive and fan shaft, straw spout, spout and grain box. This machine is equipped with our standard automatic vibrators for keeping the screens clean, the operation of the vibrators in this machine are the same as in the power machines except in the method of adjustment for the variation of the stroke. Full directions on every machine.

NO. 101 STANDARD

The No. 101 machine is the same size and capacity as the No. 102 without the standard automatic vibration. Price, $23.00 net.

NO. 103—Same as No. 102, but has blast regulator in addition. Price $35.00.

NO. 105. $35.00 net.
NO. 112. $40.00 net.
NO. 110. $80.00 net.

These three have double the capacity of Nos. 101 and 102.

Space will not admit of our giving full detailed description of all the machines we handle, but the above five are the hand machines.

The above are a few of the many size power machines that are made. Would be pleased to send you catalogue giving full descriptive matter of these machines, upon application.

Q U A N T I T Y   O F   S E E D   R E Q U I R E D

<table>
<thead>
<tr>
<th>Plant</th>
<th>Quantity per acre.</th>
<th>Quantity per acre.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artichoke</td>
<td>1 oz. to 500 plants</td>
<td>2 oz. to 600 plants</td>
</tr>
<tr>
<td>Asparagus</td>
<td>1 oz. to 200 plants</td>
<td>1 oz. to 500 plants</td>
</tr>
<tr>
<td>Barley</td>
<td>1 oz. to 300 plants</td>
<td>2 oz. to 500 plants</td>
</tr>
<tr>
<td>Beans, dwarf</td>
<td>1 qt. to 150 feet of drill</td>
<td>2 oz. to 150 feet of drill</td>
</tr>
<tr>
<td>Beans, pole</td>
<td>2 qts. to 200 hills</td>
<td>3 oz. to 300 hills</td>
</tr>
<tr>
<td>Beet, garden</td>
<td>1 oz. to 100 feet of drill</td>
<td>2 oz. to 150 feet of drill</td>
</tr>
<tr>
<td>Beet, Mangel</td>
<td>1 oz. to 160 feet of drill</td>
<td>2 oz. to 200 feet of drill</td>
</tr>
<tr>
<td>Broccoli</td>
<td>1 oz. to 3,000 plants</td>
<td>3 oz. to 5,000 plants</td>
</tr>
<tr>
<td>Broom corn</td>
<td>1 oz. to 10 lbs.</td>
<td>2 oz. to 15 lbs.</td>
</tr>
<tr>
<td>Brussels Sprouts</td>
<td>1 oz. to 3,000 plants</td>
<td>2 oz. to 5,000 plants</td>
</tr>
<tr>
<td>Buckwheat</td>
<td>1 oz. to 3 lbs.</td>
<td>2 oz. to 5 lbs.</td>
</tr>
<tr>
<td>Cabbage</td>
<td>1 oz. to 2,000 plants</td>
<td>2 oz. to 3,000 plants</td>
</tr>
<tr>
<td>Carrot</td>
<td>1 oz. to 150 feet of drill</td>
<td>2 oz. to 200 feet of drill</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>1 oz. to 3,000 plants</td>
<td>2 oz. to 5,000 plants</td>
</tr>
<tr>
<td>Celery</td>
<td>1 oz. to 5,000 plants</td>
<td>3 oz. to 7,000 plants</td>
</tr>
<tr>
<td>Clover, Alsike and White Dutch</td>
<td>1 oz. to 10 lbs.</td>
<td>2 oz. to 15 lbs.</td>
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<tr>
<td>Clover, Lucerne, Large Red and Crimson</td>
<td>1 oz. to 20 lbs.</td>
<td>2 oz. to 30 lbs.</td>
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<tr>
<td>Trefolli</td>
<td>1 oz. to 30 lbs.</td>
<td>2 oz. to 40 lbs.</td>
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<tr>
<td>Clover, Medium</td>
<td>1 oz. to 20 lbs.</td>
<td>2 oz. to 30 lbs.</td>
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<tr>
<td>Collards</td>
<td>1 oz. to 2,500 plants</td>
<td>2 oz. to 3,500 plants</td>
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<tr>
<td>Corn, Sweet</td>
<td>1 oz. to 500 hills</td>
<td>2 oz. to 700 hills</td>
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<tr>
<td>Cress</td>
<td>1 oz. to 150 feet of drill</td>
<td>2 oz. to 200 feet of drill</td>
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<tr>
<td>Eggplant</td>
<td>1 oz. to 2,000 plants</td>
<td>2 oz. to 3,000 plants</td>
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<tr>
<td>Endive</td>
<td>1 oz. to 300 feet of drill</td>
<td>2 oz. to 400 feet of drill</td>
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<tr>
<td>Flax, broadcast</td>
<td>1 oz. to 2,500 plants</td>
<td>2 oz. to 3,500 plants</td>
</tr>
<tr>
<td>Grass, Hungarian and Millet</td>
<td>1 oz. to 2,000 plants</td>
<td>2 oz. to 3,000 plants</td>
</tr>
<tr>
<td>Grass, Mixed Lawn</td>
<td>1 oz. to 2,000 plants</td>
<td>2 oz. to 3,000 plants</td>
</tr>
<tr>
<td>Grass, Timothy</td>
<td>1 oz. to 2,000 plants</td>
<td>2 oz. to 3,000 plants</td>
</tr>
</tbody>
</table>

TO SOW AN ACRE OF GROUND

<table>
<thead>
<tr>
<th>Plant</th>
<th>Quantity per acre.</th>
<th>Quantity per acre.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kale</td>
<td>1 oz. to 3,000 plants</td>
<td>2 oz. to 4,000 plants</td>
</tr>
<tr>
<td>Kohl Rabi</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Leek</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Lettuce</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Melon</td>
<td>1 oz. to 100 hills</td>
<td>2 oz. to 150 hills</td>
</tr>
<tr>
<td>Nasturtium</td>
<td>1 oz. to 50 feet of drill</td>
<td>2 oz. to 75 feet of drill</td>
</tr>
<tr>
<td>Oats</td>
<td>1 oz. to 3 lbs.</td>
<td>2 oz. to 4 lbs.</td>
</tr>
<tr>
<td>Okra</td>
<td>1 oz. to 60 feet of drill</td>
<td>2 oz. to 90 feet of drill</td>
</tr>
<tr>
<td>Onion Seed</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Onion Sets</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Parsnip</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Parsley</td>
<td>1 oz. to 250 feet of drill</td>
<td>2 oz. to 375 feet of drill</td>
</tr>
<tr>
<td>Peas</td>
<td>1 oz. to 150 feet of drill</td>
<td>2 oz. to 225 feet of drill</td>
</tr>
<tr>
<td>Peas, field</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Pepper</td>
<td>1 oz. to 3 lbs.</td>
<td>2 oz. to 4 lbs.</td>
</tr>
<tr>
<td>Potato</td>
<td>1 oz. to 5 lbs.</td>
<td>2 oz. to 7 lbs.</td>
</tr>
<tr>
<td>Pumpkin</td>
<td>1 oz. to 300 hills</td>
<td>2 oz. to 450 hills</td>
</tr>
<tr>
<td>Radish</td>
<td>2 oz. to 300 feet of drill</td>
<td>2 oz. to 450 feet of drill</td>
</tr>
<tr>
<td>Rye</td>
<td>1 oz. to 200 feet of drill</td>
<td>2 oz. to 300 feet of drill</td>
</tr>
<tr>
<td>Salsify</td>
<td>1 oz. to 60 feet of drill</td>
<td>2 oz. to 90 feet of drill</td>
</tr>
<tr>
<td>Spinach</td>
<td>1 oz. to 60 feet of drill</td>
<td>2 oz. to 90 feet of drill</td>
</tr>
<tr>
<td>Savory</td>
<td>1 oz. to 500 feet of drill</td>
<td>2 oz. to 750 feet of drill</td>
</tr>
<tr>
<td>Squash</td>
<td>1 oz. to 40 hills</td>
<td>2 oz. to 60 hills</td>
</tr>
<tr>
<td>Squash, Winter</td>
<td>1 oz. to 10 hills</td>
<td>2 oz. to 15 hills</td>
</tr>
<tr>
<td>Tobacco</td>
<td>1 oz. to 1,000 plants</td>
<td>2 oz. to 1,500 plants</td>
</tr>
<tr>
<td>Turnip</td>
<td>1 oz. to 250 feet of drill</td>
<td>2 oz. to 375 feet of drill</td>
</tr>
<tr>
<td>Wheat</td>
<td>1 oz. to 20 lbs.</td>
<td>2 oz. to 30 lbs.</td>
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</table>
PEDIGREE SEED CORN

THE COST OF GOOD SEED AND ITS VALUE

The extra expense in growing our seed corn is at the largest item in its cost. Once harvested, must be carefully hand picked three times before shelling. After picking and grading it is seldom that more than 15 per cent of the crop is fit for seed. Hence it is apparent that our margin of profit is not large. A bushel of corn will plant six to eight acres. It usually costs less than 35¢ to plant one acre.

If the yield is increased one bushel to the acre the cost of good seed corn has been paid. Prof. Reed shows a difference in yield due to the seed planted of from twenty to eighty bushels per acre. This difference in yield is the difference between planting common crib corn and planting our selected, graded, hand picked, pedigree seed corn, with a history of big yields behind it.

We are prepared to furnish hand selected ears of any of the varieties named on the following pages at the uniform price of $4.00 per bushel, packed in one-bushel crates.

IMPROVED LEAMING. The Leaming, in its various types, is probably more largely planted than any other field corn known. The ears are very handsome, of good size, with fair-sized grain of deep orange color and small, red cob. The stalks grow to medium size (not large), with few tassels, slender and leafy, making most excellent fodder, and usually produce two good ears to stalk. It husks and shells easily; ripens in 90 to 100 days, and never fails to make a good crop. Over 100 bushels per acre is not an unusual crop for this corn. It is also adapted to a larger variety of soils than many, producing unusually well on light land. Price, pk. 70¢; bu. $2.50; 5 bu. $12.00.

REID’S YELLOW DENT. The great prize-winning Show Corn. Now the most popular and cost uniformly the best corn grown in Nebraska (in fact for the whole state) and similar corn belts. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Ear 9 to 10 inches long, inches around, 18 to 24 rows with narrow space between rows; deep grains with small cob well filled at butt and tin. We offer a very choice selection of seed grown from pedigreed seed selections for years—our stock. This strain is slightly high, tapering very slightly; cob medium. It has won first prizes at most all state fairs and corn shows. It was grown with the view of seeding it up to an average size of ear eliminating barren and inferior stalks which produce only stubbines, and increasing the amount of oil and protein in the corn for feed purposes. We believe this corn we have corn in which two bushels will do as much towards developing farm animals as an ordinary corn. 2½ bu. will do. It ripens in 120 days easily. Price, per pk. 70¢; bu. 2.50; 5 bu. $12.00.

IOWA GOLD MINE. This variety has everywhere received the most cordial endorsement as one of the best and most profitable varieties. It is early, ripening in about 100 days, ears of good size, color a bright golden yellow; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn will make about sixty pounds of shelled corn; and in hauling to market it weighs out considerably more to the wagon load than common varieties. Pk. 70¢; bu. $2.50; 5 bu. $12.00.

IMPROVED LEAMING REID’S YELLOW DENT

PRIDE OF THE NORTH (16-Rowed, Matures in 90 days). Ears 8 to 10 inches in length and 1½ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. In a test, 70 pounds of ears, not selected and but imperfectly dried, produced 50% pounds of shelled corn and only 9% pounds of cobs, instead of 14 pounds, the usual proportion. Stalks about medium height—6 to 8 feet. Pk. 70¢; bu. $2.50; 5 bu. $12.00.
HIGH YIELDING PEDIGREE SEED CORN

THE IDEAL IN A TIP BUTT AND KERNEL

LEGAL TENDER. With the exception of Nebraska Gold Mine, we consider the Legal Tender the best variety of yellow Dent corn for Iowa, Illinois, Nebraska and the South. It is the result of about ten years' selection by a seed corn specialist, and has taken first premium at many state and county fairs. The corn is very productive, of uniform yellow color, ear very large and long and a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and small shank. The kernels are deep, the cob is small at the butt and the ear holds its bigness toward the point until near tapering off. It should be capped over and the kernels should hold their bigness toward the point and the butt run out straight and not crinkle." It matures in about 115 days, but we do not recommend it for the extreme northern portion of this state. Pk. 70c; bu. $2.50; 5 bu. $12.00.

IMPROVED CALICO. This is a good feeders' corn—the ears are of good size, usually nine to ten inches; the color of the corn varies a great deal from dapple yellow to a deep red. The ears taper slowly, 7 to 7 1/2 inches around; about 20 rows, medium spaces; cob fair size and red. Suitable only in a central corn belt, requiring 110 to 115 days to mature. Height is medium, with abundant foliage, making it desirable for ensilage. Our corn is a good strain, raised in the best central corn section. Shelled, selected, tipped and butted. Price, pk. 70c; bu. $2.50; 5 bu. $12.00.

LONGFELLOW FLINT. The most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, with slender, straight ears, 10 to 15 inches long. Kernels are large and wide, and cob very small. Ripens in 75 to 85 days, and very prolific. A great favorite with dairymen and poultrymen. Pk. 60c; bu. $2.50; 5 bu. $10.75.

NEBRASKA WHITE PRIZE. Has been awarded the first premium at the Nebraska State Fair for the past twelve years. It is an extra early, pure white variety of the Dent family, very productive and exceedingly heavy, maturing in 86 to 90 days from the time of planting. It is very even in hybridization and maturity, giving a good grade of corn and the highest price to be realized for it. Very prolific, and has yielded 100 bushels of shelled corn per acre. Pk. 70c; bu. $2.50; 5 bu. $12.00.

IOWA SILVER MINE. Stalks grow to a height of seven or eight feet and set the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity we noticed in going over the field was that there were no barren stalks, every one had an ear, many stalks had two good ears, and the originator says that that has been the characteristic every year that he has grown it. It has not large growth for fodder, having been bred essentially for grain, though it has plenty of blades to support the growth, and it is as well rowed as any corn grown. The type is very even. Ears measuring from ten to twelve inches in length and weighing one and one-half pounds are not uncommon. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep, pure white kernels, set on a small cob; and the ears are well filled out over the tip. It is early, matured last year in less than ninety-five days. The cob dries out rapidly so that it is ready for market earlier than any other white field corn. In its yield it will surpass all other varieties of any color. Seventy lbs. of the corn in the ear will make sixty-two pounds shelled. It is adapted to a wide range of soil and climate than any corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other varieties are grown at a loss. Pk. 70c; bu. $2.50; 5 bu. $12.00.

FODDER CORN

SWEET FODDER. There is nothing better for summer and fall green feed of for curing for winter than Sweet Corn. Being sweet and palatable, cattle eat every part of the stalks and leaves. Always a great favorite and with dairy farmers, and excellent for soiling. Can be planted as other corn or sown thickly in drills or broadcast. Sow 1/2 bushel per acre in drills, 1 to 1 1/2 bushels broadcast. Pk. 70c; bu. $2.50; 5 bu. $12.00.

RED COB ENSLAGE CORN. This variety has been grown in the large dairy regions of Nebraska the last four years, so extensively as to almost exclude all other ensilage corn. Pk. 70c; bu. $2.50; 5 bu. $12.00.
A common mistake in sowing flower, as well as other seeds, is covering too deeply. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or so is none too much. Such fine seeds as Portulacas need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying before the roots can get firm hold of the soil. Seeds of the hardier Annuals may be sown where they are to grow; but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such Annuals as require it.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Seeds of Biennials and some Hardy Annuals may be sown in July and August in the open and in September in boxes and placed in coldframes. They will make strong plants by spring and flower early. Do not put on the sashes until rains and frost begin, and then always remove during the day whenever the temperature is above freezing in winter.

**SELECTION LIST OF FLOWER SEEDS**

A LYSSUM

LITTLE GEM. A dainty fragrant little flower much used for borders, ribbons, edging, rockwork and baskets and window boxes. Should be sown thickly and the seedlings thinned out to proper distance. Pkt. 5c; ¼ oz. 10c.

SWEET ALYSSUM. Fragrant flowers, taller than Little Gem. Pkt. 5c; ¼ oz. 10c.

ANTIRRHINUM—SNAPDRAGON

Snapdragon is one of our finest perennials. If planted early will flower the first year as an annual. Sow seed in the open ground, transplanting to 1 foot apart each way. They will bloom in July and August.

LARGE FLOWERING TALL. Mixed, pkt. 5c.

AMARANTHUS

CAUDATUS, LOVE-LIES BLEEDING. A very ornamental foliage plant. Grows 2 feet high. Pkt. 5c.

TRICOLOR, JOSEPH’S COAT. 2 feet high. Pkt. 5c.
BRANCHING ASTERS
ASTER

(Half-hardy Annual) One of the best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers, sow in March or April in cold frame, potent히 or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and, when the plants have three or four leaves, transplant about 18 inches apart each way into well-prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used, they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

COMET—Giant. Very large flowers.
White .................. Pkt. 10c
Rose .................... Pkt. 10c
Dark Blue ............... Pkt. 10c
Crimson ................ Pkt. 10c

HOHENZOLLERN. Valuable for cutting.
White .................. Pkt. 10c
Rose .................... Pkt. 10c
Purple .................. Pkt. 10c
Crimson ................ Pkt. 10c
Mixed ................. ¼ oz. 75c; oz. $1.60; Pkt. 10c

DOUBLE QUILLED. Very free bloomers.
Mixed Colors ............... ½ oz. 45c; oz. $1.60; Pkt. 10c

VICTORIA—Tall. Large flowers, imbriicated petals.
White .................. Pkt. 10c
Rose .................... Pkt. 10c

AGERATUM

MEJXICANUM (Blue). Easily started from seed, grows well almost anywhere and blooms profusely throughout the season. Pkt. 5c.

BALSAMS—LADY SLIPPERS

CULTURE—Sow in the open ground in May. Transplanting two or three times has a tendency to dwarf the plants into better shape, and is advantageous. Give them plenty of room, as they easily cover 12 to 18 inches of space each way.

SNOW WHITE. Very double, perfect in form. Pkt. 5c.

CRIMSON. Contrasts beautifully with above. Pkt. 5c.

DOUBLE MIXED. All colors. Pkt. 5c.

DOUBLE CAMELLIA FLOWERS. A fine strain of very double flowers of exquisite shades. Pkt. 5c.

INVINCIBLE MIXTURE. The finest mixture in cultivation. The flowers are very large, measuring from 3 to 5 inches in diameter, of perfect form, resembling the flowers of the Camellia, and are as double. The varied and brilliant, comprising pure white, crimson, lilac, rose, spotted, scarlet, blue, purple and many other tints. Pkt. 10c.

BALSAM APPLE AND PEAR

Very curious; rapid and dense climbers, with ornamental foliage and golden yellow fruit, which opens when ripe, showing the seed and blood-red inside.

BALSAM APPLE. Orange fruits. Pkt. 5c.
BALSAM PEAR. Coppery scarlet. Pkt. 5c.

CALLIOPSIS

Very showy; free-blooming plants. Flowers yellow, with centers of rich red maroons and brown, sow in open ground in spring and thin, giving plants plenty of room. Finest mixed colors. Pkt 5c.

CARNATIONS

DWARF MIXED. Perfectly bloomng. Of vigorous growth, especially adapted for outdoor culture. These are the most abundant bloomers of all the Carnation Pinks. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc.; they are of perfect form and large size. Those grown in spring commence flowering in early summer, and continue to bloom in lavish profusion until checked by frost. Pkt 10c; 1 pkt. 25c.

EXTRA CHOICE MIXED. Pkt. 10c.

CASTOR BEANS

Tall, majestic plants for lawn, with leaves of glossy green, brown or bronze metallic hue, and large spikes of scarlet and green prickly fruit, of very large growth in rich soil. Tender annual, 6 to 16 feet high.

GIANT ZANZIBAR. A new form of Ricinus; of short-jointed, stout growth and extraordinarily large leaves, which are produced in such abundance that the plant is a perfect pyramid of beautiful foliage. The most tropical, ornamental Castor Bean yet introduced. Pkt. 5c; oz. 15c.

SANGUINEUS. Red foliage and 6 to 8 feet tall, very strong. Pkt. 5c; oz. 16c.

CASTOR BEANS, MANY SORTS MIXED. Pkt. 5c; 1 oz. 10c.
CYPRESS VINE
A summer climbing annual with fine feathery foliage and pretty star-shaped flowers.
White Flowers.................................. ½ oz. 10c; pkt. 5c
Scarlet Flowers.................................. ½ oz. 10c; pkt. 5c
Pink Flowers...................................... ½ oz. 10c; pkt. 5c
Mixed Flowers.................................... ½ oz. 10c; pkt. 5c

CANNAS
Cannas will bloom the first year if the seed is soaked in warm water for 24 hours after cutting off about one-sixteenth of an inch from one of the ends. Sow indoors in January or February and they will flower in June.

CHRYSANTHEMUM
Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom in fall by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 2 to 10 inches apart. A little pinching back in early growth makes the plants bushy and shapely. All are fine for cutting, and those of extra-large sizes are especially valuable for pot plants. A good variety, 'Venus Mixed', is very free from insect pests.

CANDYTUFT (Iberis)
The Candytufts are among our best flowers for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil and water freely.

CENTAUREA
BACHELOR'S BUTTON. Also known as Corn Flower, Blue Bottle, etc. If the seed is sown just as soon as the ground is fit in spring, will furnish a profusion of white, blue and pink flowers from July until late in autumn. Hardy annual. Two to three feet high. Mixed, pkt. 5c.

GYMNOCARPA (Dusty Miller). Planted for bedding, not for flowers. Silver-gray foliage. Pkt. 5c.

COBaea SCANDENS

CATHEDRAL BELL
PURPLE, 30 ft.
One of the handsomest and most rapid growing climbers. The flowers are bell-shaped and of a purplish-lilac when full grown. It is a very prolific bloomer and vigorous in vine and growth. It is very free from insect pests.

CELOSIA
CRISTATA, COSMOSBOM. Annual plants of tropical origin. One of the most satisfactory and showy for garden decoration. One mixed. Pkt. 5c.

COBaea SCANDENS
PLUMOSA. Beautiful foliage plants blooming in late summer and autumn, and producing large, showy plumes, curled and drooping, very much resembling ostrich feathers. Pkt. 5c.

CHERRY VINE
This vine climbs rapidily and bears beautiful crimson, orange, and yellow flowers in great profusion until frosts. Very showy for window boxes.

CROKY'S DWARF LARGE FLOWERING FRENCH. In this new class of Cannas the foliage is luxuriant and the plants dwarf in habit. Their great merit is the large size and brilliant hues of the flowers, ranging through all shades of yellow and orange to the richest crimson, scarlet and vermilion; some are also beautifully spotted. Mixed. Pkt. 5c; oz. 25c.

PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Pompoms that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. We wish to make quite clear the distinction between this class and the Annual Chrysanthemum described above, so that, as has sometimes happened heretofore, customers may not order seed of the summer-blooming garden varieties, expecting to yield the grand show of flowers of late fall which are obtained from cuttings carefully cultivated.

COLUMBINE—AQUILEGIA
Hardy perennial, luxuriating in the moister situation in the garden, where they form permanent clumps, growing from 1½ to 3 ft. high. The large, unique, long-spurred flowers, gracefully hung on long stems, are not only brilliancy effective on the plant, but equally as desirable when cut for vase and house decoration. Pkt. 5c.

COSMOS
One of the most remarkable fall flowers. A short, tall-growing annual, with bold flowers of exquisite daintiness and airiness heightened in effect by their foliage-setting of feathery green. It is best effective when planted in broad masses, or long background borders against evergreens or fences. From seed started early in the house or frame, the plants will flower profusely in late June or early July. If topped when half grown, they will bloom quicker, the check seeming to induce earlier flowering. We offer only the choice, large-flowering strains. Early Flowering, mixed, oz. 40c; pkt. 5c. Giant Autumn Flowering, oz. 60c; pkt. 5c.

DAHLIAS
Although perennial, these will bloom the first year from seed, if sown indoors in boxes during March or April and transplanted when danger of frost is over.

CHOICE DOUBLE MIXED. Saved from the finest varieties in cultivation. Pkt. 10c.

CHOICE SINGLE MIXED. Pkt. 10c.
DAISY — BELLIS PERENNIS

May be sown in February or March in shallow boxes of light, rich soil, covering the seeds to about three times their own thickness, and pressing soil firmly over them. Keep in a warm window, hotbed or greenhouse. When well out of the seed-leaf transplant to new boxes, and set out in the open ground when danger from frost is past, or sow in beds out of doors in August or September; protect with straw or litter over winter, and transplant to their permanent positions in the spring.

Mixed. Very fine........... ½ oz. 65c; pkt. 10c

Shasta Daisy. Very large; white.... pkt. 10c

**ESCHSCHOLTZIA**

(Commonly called California Poppy.)

The state flower of California. An annual, very bright and rich in its pure tints of yellow, orange, etc. The plants average about a foot in height, with silvery foliage, and produce their large, poppy-like flowers from early spring until frost. They are most effective when grown in beds of considerable size, over which the seed may be sown broadcast thinly and lightly raked in. These sowings may be made early in spring or late in autumn for earlier germination, blooming the next spring. Useful as a pot-plant and for cut-flowers.

**DIANTHUS OR PINKS**

The family of "Pinks" is unrivaled for brilliancy and rich variety of color, blooming late into the autumn, rendering them one of the most satisfactory of all our annuals for garden decoration. Height about 1 foot.

**HEDEWIGIID**

Densely double flower, 3 inches in diameter; beautiful tints of crimson, lilac, purple, margined with white. Pkt. 5c.

**DOUBLE FRINGED JAPAN.** This is a strain superior to any we have previously had. The flowers are double, of the brightest colors, and so gracefully fringed and borne on long, stiff stems, making them one of the most useful flowers for bouquets. Pkt. 10c; $ for 25c.

**DIANTHUS JFK.** Headwight flowers, mixed. Pkt. 5c.

**DOUBLE CHINESE.** Large, double fragrant flowers, mixed. Pkt. 5c.

**FORGET-ME-NOT MYOSOTIS**

Pretty little favorites with lovely clusters of blue, ¼ foot. Pkt. 10c.

**EVERLASTING FLOWERS**

These are very popular and desirable for winter decorations, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches and dried in the shade, with their heads downward.

**ABROALLIUM ALATUM GRANDIFLORA.** A decided improvement on Allatum, flowers being larger, 2½ feet. Pkt. 5c.

**ERODANTE ALBA.** Pure white silver; very beautiful heights, 5c.

**ERODANTE MACULATA.** Bright rosy crimson with yellow disc. Pkt. 5c.

**HELICHRYSUM FIREBALL.** Double, crimson-maron, 5c.

**HELICHRYSUM.** Finest mixed. Large beautiful, very double white, yellow, scarlet. Pkt. 5c.

**FOUR O'CLOCks**

Also called Marvel of Peru. Handsome, free-flowering, sweet-scented annuals. Blossoms striped and variegated, kind of various colors.

**CHOICE MIXED.** Pkt. 5c; oz. 10c.

**FOX GLOVE — DIGITALIS**

Beautiful hardy perennials of easy culture, bearing fragrant spikes of showy flowers, many beautifully spotted; height 3 to 5 feet.

**FINE MIXED.** Pkt. 5c.

**GERANIUM**

Although perennials, these grow readily from seed and if planted carefully will produce blooming plants the first year.

**FINEST MIXED SINGLE.** Pkt. 5c.

**GOURD**

Rapid growing annuals, suitable for covering old stumps, fences, etc. The small ornamental sorts make fine toys for children.

**MIXED GOURDS.** Commonly called Mexican bean. 5c; oz. 15c.

**ORNAMENTAL GOURDS**

**JOB'S TEARS**

Useful as a remedy for sore throat, goitre and teething infants. Pkt. 5c; oz. 10c.

**HUMULUS—JAPANESE**

A most rapid growing annual climber covered densely with light-green leaves. Easily grown everywhere and will attain a height of twenty to thirty feet in a single season from seed. Per pkt. 5c.

**JAPANESE VARIEGATED HOP.** (Humulus Japonicus Variegatus.) The leaves are strikingly variegated; the first color is bright deep green, distinctly marked and blotched with silvery white tinged with yellow; now and then a leaf will be almost snowy white, and another one, not far away, almost green. A strong grower, twenty to thirty feet in a few weeks' time. Per pkt. 10c.

**HELIOTROPE**

Deliciously fragrant flowering plants, 1 to 2 feet high. Favorites for pot culture in winter and bedding in summer.

**NEW GIANT HYBRIDS.** Will bloom as easily from seed as any of the common annuals. Sow the seed in the open ground about the 1st of May and the handsome bushes will furnish cut flowers all summer and fall. Pkt. 10c.

**FINE MIXED.**

**HIBISCUS**

**AFRICANUS.** One of the most ornamental, beautiful and showy plants cultivated. Hardy annuals, cream color, rich brown center. One and one-half feet high. Pkt. 5c.

**HYACINTH BEAN**

**DOLICHOS**

**DOLICHOS**—(Hyacinth Bean). Of extra rapid growth; makes a dense, attractive screen. The New "Darkness" and Daylight," introduced by us from Japan, are incomparably superior to the "Lablab" varieties, previously in cultivation.

**DARKNESS."** The vines grow quickly to a height of eight to ten feet, and blossom profusely from base to summit, the large spikes of pea-like flowers, deep reddish violet, followed by beautiful seed-pods; blooms early and freely. Per pkt. 5c; oz. 10c.

**DOLICHOS, "DAYLIGHT."** The vines grow quickly to a height of eight to ten feet, and blossom profusely from base to summit, the large spikes of pea-like flowers, deep reddish violet, followed by beautiful seed-pods; blooms early and freely. Per pkt. 5c; oz. 10c.

**KUDZU VINE**

**PUERARIA THUNBERGIANA**

A perfectly hardy perennial climber attaining a height of twenty to thirty feet in a season. Purple flower. Per pkt. 10c.
HOLLYHOCKS

MAMMOTH ALLEGHENY. If sown early, blooms the first year from seed. The flowers of this new variety are so different from the old conventional ones that but for the similar habit of the plant it would not be taken for a Hollyhock. They are from 4 to 6 inches in diameter, ranging from semi-double to double, and finely fringed and curled. The colors are shell-pink, rose and ruby red, a shade or two deeper at the center, and exquisitely tinted toward the edge. Pkt. 10c; 3 pks. 25c.

DOUBLE DARK RED. Pkt. 10c.
DOUBLE WHITE. Pkt. 10c.
DOUBLE CRIMSON. Pkt. 10c.
DOUBLE YELLOW. Pkt. 10c.

Double Mixed Extra Choice Seed saved from exhibition flowers. Pkt. 5c.

KOCtIA—SUMMER CYPRUS

TRICHOPOHYLLA. A splendid annual, growing two to two and one-half feet high. The slender-leaved plants are of a cypress-like appearance during summer, changing their light green foliage to carmine and fiery red colorings toward autumn. Forms beautifully decorative bushes on the lawn. Pkt. 5c.

JAPANESE IMPERIAL MORNING GLORY

MORNING GLORIES

JAPANESE IMPERIAL. One great charm of these plants lies in the great variety and infinite charm of its foliage, as well as the size and beauty of the flowers, the latter varying from pure white to rose, crimson and carmine through blues and purples of every shade, being streaked mottled, striped, and bordered in wonderful fashion. The vines are vigorous, growing to a height of 30 or 40 feet in rich soil. Soak the seed in water 24 hours before sowing. Pkt. 5c; oz. 15c.

MAJOR, MIXED (Common Morning Glory). Pkt. 5c; oz 10c.

MARIGOLD

Well-known annuals. Very free-flowering and of easy culture. The African varieties have large yellow or orange-colored flowers, and are adapted to large beds. The French are dwarfer in growth, with beautiful striped flowers, and are better suited to pot culture.

ELDORADO. Immense flowers, 9 to 14 inches around; double primrose, orange, and golden shades. Pkt. 5c; ½ oz. 15c.

TALL AFRICAN. Mixed. Pkt. 5c.
DWARF FRENCH MIXED. Pkt. 5c.

MOONFLOWER

One of the most rapid-growing of all annual climbing vines. The vines are literally covered with thousands of immense, pure white, fragrant flowers, opening in the evening and remaining open until noon the following day. If cloudy, all day, many of them measuring over seven inches across. Planted in rich ground, in a sunny situation, and given plenty of water, the vines attain a height of seventy-five feet. Pkt. 10c.

NICOTIANA

—Sweet Scented Tobacco

AFFINIS. The popular free-flowering variety; fragrant, star-shaped, white flowers; annual; 3 feet high. Pkt. 5c.

SANDERAE. New. A profuse-flowering annual of bushy branching growth, 2 feet high, bearing large carmine-rose flowers during summer and fall. Pkt. 10c.
NASTURTIUM

A marvelous range of new colors has been developed in this favorite flower, which for three or four months of the season makes a better display than almost any other plant. No other annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in thin soils, and never flags through the hottest weather. In soils too rich leaves predominate and the plants are apt to rot off in wet weather, especially is standing too close.

DWARF, or TOM THUMB

EMPRESS OF INDIA. Intense scarlet. Pkt. 6c; oz. 20c.
PEARL. Creamy white. Pkt. 5c; oz. 20c.
SHELL KING. Dark red. Pkt. 5c; oz. 20c.
GOLDEN KING. Bright yellow. Pkt. 5c; oz. 20c.
ROSE. Pkt. 5c; oz. 20c.
EXTRA CHOICE MIXED. This mixture is composed of the choicest large-flowering named varieties and grown both in mixture and separate strains properly blended. Large pkt. 10c; oz. 16c; 1/4 lb. 40c; lb. $1.50.
FINE MIXED. Pkt. 5c; oz. 10c; 1/4 lb. 30c; lb. 1 lb.
LOBB'S CLIMBING

MADAME GUNther HYBRIDS. A French strain noted for wide range of colors. Pkt. 5c; oz. 20c.
DARK CRIMSON. Pkt. 5c; oz. 15c.
P EARL.—(Moonlight). Whithish. Pkt. 5c; oz. 15c.
YELLOW.—(Luteum). Pkt. 5c; oz. 15c.
VESUVIUS. Salmon; dark leaved. Pkt. 5c; oz. 15c.
FINE MIXED. Pkt. 5c; oz. 10c; 1/4 lb. 20c; 1/2 lb. 35c; lb. 60c.
CANARIENSIS. Yellow flower. Pkt. 5c; oz. 10c. (Canary Bird Flower.)

LARKSPUR — DELPHINIUM

Very elegant and ornamental plants, producing in great variety of form and color some of the most beautiful flowers in cultivation.

DOUBLE DWARF ROCKET, MIXED COLORS. Pkt. 5c.

LOBELIA

Dwarf-growing plants, with blue, white, crimson and rose flowers, adapted for ribbon borders and for vases or hanging baskets.

FINE MIXED. Pkt. 5c.

PHLOX DRUMMONDI

GRANDIFLORA

The annual varieties should be sown in masses or ribbon beds. They are very easily grown from seed, giving a brilliant display of color. Sow as soon as the frost is out of the ground in the spring and for later blooming in May. For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers of numberless hues throughout the summer. Hardy annual; 1/2 feet

ALBA. Pure white. Pkt. 10c.
ROSEA. Pink. Pkt. 10c.
COCCINEA. Brilliant scarlet. Pkt. 10c.
ISABELLINA. Yellow. Pkt. 10c.
EXTRA CHOICE. Contains the above and many other excellent large flowering sorts. Pkt 10c.
FINE MIXED. Pkt. 5c.
STARRED AND FRINGED. These are the most distinct and striking Phlox we have. The flowers have a most distinct and starlike appearance; their attractiveness being greatly enhanced by the broad, white margins which border the edges of the petals. Pkt 10c.
PANSY (Viola tricolor. Heartease.)

The Pansy is a plant that we all delight to grow in plentiful supply for flowers all the year. For very early outdoor bedding, the seed is sown from August to October, in a cold-frame, or in rich, moist garden beds, from which the plants can be transplanted to a cold-frame, setting them 2 to 3 inches apart each way before severe winter weather begins. In spring, three-fourths of them can be lifted out for bedding and the rest left to bloom in the frame. For winter blooming in a frame, set the plants about twice as far apart, and thin out half of them in the spring. Cover the blooming plants with sashes, adding a covering of matting or straw in very cold weather. In mild weather, remove the mats and tilt the sashes to admit light, heat and fresh air. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and thin sashes, the plants will often winter nicely and bloom until midsummer, when a relay of young, vigorous plants should be ready to replace them. Spring sowings should be made early so as to secure good flowers during the early rains.

Seed sown in a cool, moist place in June and July, and well tended, will give good flowering the heat of the summer, the flowers may be pruned, they will increase in size and beauty in a somewhat shaded place, but in almost any situation good Pansy seed will give fine flowers in spring and fall. Early fall sowings produce the largest flowers. This should be borne in mind when ordering.

FAUST. Almost coal-black. Pkt. 10c.
EMPEROR WILLIAM. Ultramarine-blue; very showy. Pkt. 10c.
SNOW QUEEN. Pure satiny white. Pkt. 10c.
GOLDEN GEM. Pure golden yellow. Pkt. 10c.
MASTERPIECE. Curled wavy petals. Flowers of grand size. Splendid colors. Pkt. 20c.

IMPERIAL GERMAN MIXED. This is the finest strain of Giant Pansy. It is possible to produce. It is a blend of all the finest in Pansies from France, England and Germany. It is absolutely unrivaled in range of magnificent colors, size and substance. To this mixture we are constantly adding the newest novelties as they are introduced, and our customers can confidently rely upon getting all the finest it is possible to procure in this choice blend. Pkt. 10c: two for 25c.

PREMIER MIXED. The cream of the finest French named sorts. Pkt. 10c.

CHOOSE MIXED. Pkt. 5c.

PRIMROSE—PRIMULA VERIS

YELLOW ENGLISH PRIMROSE. The plants commence to bloom when only about 4 inches high and in a little over a month from sowing the seed, and continue to grow and bloom until frost. The plants will live over if given slight protection and the flowers are even more beautiful the second season. Pkt. 15c.

PETUNIA

For outdoor decoration or house culture few plants equal the Petunia in effectiveness. They commence flowering early and continue a sheet of LARGE FLOWERING FRINGED. A strain of bloom throughout the whole season until killed by frost; easily cultivated, requiring only a rich soil and a sunny position.

GRANDIFLORA. A large flowering sort with a splendid variety of colors and markings. Pkt. 10c. in incomparable beauty, size and luxuriance. The flowers are excessively ruffled or fringed on the edges, and are enormous. Pkt. 15c.

BLOOMERLAND STRIPED. Pkt. 6c.

EXTRA LARGE FLOWERING. DOUBLY FRINGED. This extra choice strain produces about 30 per cent of splendid double fringed flowers. Pkt. 25c.

HOWARD’S STAR. These beautiful Petunias have large, intensely colored flowers from the centre of each of which start the points of a five-rayed star, which broadens half way up, narrowing to a point at the margin of the flower. The star is a light bluish pink, deepening in color as it reaches the margin, finally blending into the dark, crimson-maroon ground color of the flower. Very prolific bloomers, excellent for bedding. Pkt. 10c: 3 pkts. 25c.

PORTULACA—ROSE MOSS

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. It is the easiest plant to transplant, and can be taken up and set out when in bloom without being injured. It is a very pretty annual, and blooms till frost.

LARGE FLOWERING DOUBLE. Finest mixed. Pkt. 10c.

SINGLE. Choice mixed. Pkt. 5c.

PYRETHRUM—FEVERFEW

GOLDEN FEATHER. A highly ornamental golden yellow foliage plant, unequaled for bedding. Hardy perennial; 1½ feet. Pkt. 5c.
SHIRLEY POPPIES
Before Tulips are fairly gone, our gardens begin to be gay with Poppies. Few flowers have the same grace of stem, airness of poise and delicacy of tissue. For beds and borders with a background of green there is nothing finer; some sorts are admirable for naturalising in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the earth is cool and moist.

PERENNIAL VARIETIES. Tall, large-flowered and showy; average height, 2 to 4 feet. Pkt. 10c.

**ORIENTALIS MIXED HYBRIDS.** Finest shades. Pkt. 10c; oz. 75c.

**NUDICAULE—(Iceland Poppy).** These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; 1 foot. Pkt. 10c; oz. 75c.

**ANNUAL VARIETIES.** This section includes double and single flowers of greatly varying sizes, self-colored and daintily edged. All are easily cultivated and greatly admired. Average height, 3 feet.

**CARNATION-FLOWERED DWARF.** Cardinal and white, dble. Pkt. 5c; oz. 25c.

**FLAG OF TRUCE.** Pure white; large and showy flowers. Pkt. 5c; oz. 25c.

**SHIRLEY.** Indescribably bright, dainty and gauzy; a favorite for cutting. Pkt. 5c; oz. 40c.

**SHIRLEY, SANTA ROSA HYBRIDS.** Beautifully crimped petals; wonderful shades of blue, lavender, salmon, etc. Pkt. 10c; oz. 75c.

**DANERGRO.** Large, single; scarlet with white cross at base of petals. Pkt. 5c.

**MIXED SINGLE.** All colors. Pkt. 5c; oz. 20c.

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**SALVIA**

Gorgeous effects can be produced by massing on the lawn or in the garden, or planted in rows along a sunny drive. A perennial, but blooms the first season from seed.

**SPLENDENS.** Bears a brilliant mass of scarlet bloom until frost. Pkt. 10c.

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**SMILAX**

No twining plant in cultivation surpasses this for the graceful beauty of its foliage. Oz. 50c; pkt. 10c.

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**STOCKS**

Stocks are among the finest annuals. The seed will germinate in from 2 to 5 days, and the plants commence to bloom in about 10 weeks, and continue until frost. Give good rich soil and good cultivation to get double flowers. In warm climates shade from the noonday sun. They are very thirsty plants; be sure to water well.

**GIANT FLOWERED TEN WEEKS.** In finest mixture. Pkt. 10c.

**CHOICE MIXED.** Pkt. 5c.

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**SUNFLOWER**

**GLOBOSUS PISTULOSUS.** Flowers immense, from 12 to 15 inches in diameter. Globular and extremely double, the most effect... of all annual sunflowers. Pkt. 5c.

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**SWEET WILLIAM**

Exceedingly beautiful and showy, plants hardy perennials.

**SINGLE FINEST MIXED.** Pkt. 5c.

**DOUBLE FINEST MIXED.** Pkt. 5c.

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**VERBENA**

Pretty annual creepers flowering all summer.

**MAMMOTH WHITE.** Pkt. 10c; oz. 75c.

**MAMMOTH SCARLET.** Pkt. 10c; oz. 75c.

**MAMMOTH PURPLE.** Pkt. 10c; oz. 75c.

**GRANDIFLORA HYBRIDS.** In finest mixture. Pkt. 10c; oz. $1.50.

**FINE MIXED.** Pkt. 5c; oz. 50c.

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**VIOLETS**

**SWEET SCENTED BLUE.** Pkt. 10c.

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**WILD CUCUMBER**

Most rapid climber known. Pkt. 6c; ½ oz. 10c; oz. 15c.

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**WILD FLOWER GARDEN**

Choice mixture of annual flowers. Over 25 varieties. Large pkt. 15c.

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**ZINNIAS**

Are undoubtedly among the most showy and ornamental of flowers for either beds or borders.

**CHOICE MIXED.** Very fine. Pkt. 5c.
SWEET PEAS

SPENCER VARIETIES OR GIANT ORCHID FLOWERING

Because of such enormous size, of waved or fluted appearance and charming blendings of harmonious colors, this New Type can only be appropriately described as Truly Gigantic "Orchid flowered." The flowers are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved; the tissue being so full that there is not room for it to lie flatly expanded or smoothly rolled. The standard is broad and tall; the wings are broad, well spread and held erect by the keel.

The stems are very long and strong, and remain in bloom for a much longer period than other varieties of Sweet Peas. In size and quality the blossoms cannot be surpassed for cutting.

CONTISS OF SPENCER

SUPERB MIXTURE OF GIANT SPENCER HYBRIDS

Containing all varieties named above. Per pkt. 10c; per oz. 20c; ¼ lb. 70c.

ASTA ONX. Lavender suffused mauve.
QUEEN ALEXANDRA SPENCER. Almost a true scarlet.
PRINCE EDWARD OF YORK SPENCER. Standard cerise, crimson wings.
SENATOR SPENCER. Chocolate and seal brown on a ground of ivory.
RAMONA SPENCER. Clear white with delicate lines and flacks of blush pink.
SATIN QUEEN SPENCER. Very deep cream or primrose with an exceedingly beautiful satin finish. Flowers with edge turn to blush pink, crinkled and waved.
BLACK KNIGHT SPENCER. Deep Maroon.
BLANCHE FERRY SPENCER. Bright rose standards, white wings.
KING EDWARD SPENCER. Bright crimson.
MRS. WALTER WRIGHT SPENCER. Light rose purple turning blue when matured.
QUEEN VICTORIA SPENCER. Opens with faint tint of pink, turns clear primrose.
APPLE BLOSSOM SPENCER. Standard crimson pink, wings white, tinted pink.
DAINTY SPENCER. White shaded lightly with blush pink and having distinct edging of bright pink.
MRS. JOE CHAMBERLAIN. White with rose stripes.
WHITE SPENCER. The finest white sweet pea in existence.
EVELYN HEMUS. Primrose.
HELEN LEWIS. Large wavy orange.
JOHN INGMAN. Large type of rose, crimson.
COUNTESS OF SPENCER. The giant flowered type with many edges, bright pink.
MRS. ROUTZAHN. Buff or apricot ground suffused with pink, deepening toward the edges.
FLORENCE MORSE. Delicate blush with pink edge. Flowers very large and usually four on each stem.
PRIMROSE SPENCER. A clear primrose, yellow throughout.
KING WHITE. The greatest of all white sweet peas.
MARGARET ATLEE. The best cream pink.
WEDGEWOOD. Silvery lavender.

Above varieties 10c pkt.; 25c per oz.; 75c per ¼ lb.
SWEET PEAS
GRANDIFLORA

A SELECTED LIST ARRANGED IN COLORS

ORANGE AND SALMON.
St. George  The most brilliant color in sweet peas; bright orange scarlet.
Lady Mary Curtis. Crimson orange.

WHITE SORTS.
Emily Henderson. Pure white, large size.
Dorothy Eckford. One of the best white varieties.
Sadie Burpee. Pure white, large size.

BLUE, PICOTE EDGE.
Maid of Honor. White, blue edged.
Phenomenal. White, shaded and edged with lilac.

LAVENDER AND MAUVE.
Lady Grisel Hamilton. Light mauve, wings lavender.

MAROON SHADES.
Black Knight. Deep maroon.
Midnight. Standard deep maroon, wings dark claret.

BLUE AND PURPLE SHADES.
Admiration. Pink mauve.
Mrs. Walter Wright. Rosy purple.
Captain of the Blues. Clear purple.
Navy Blue. Indigo blue.

STRIPED AND VARIEGATED.
America. Scarlet, striped on white.
Helen Pierce. White mottled and marbled with blue.

EXTRA FINE MIXED. XXXX. Contains about fifty varieties and is a splendid assortment of shades and colors. Pkt. 5c; oz. 10c; ¼ lb. 50c; lb. $1.75.

NEW WAVED “UNWIN” TYPE.
Although of distinct origin, Gladys Unwin is nearly of the same type as the Countess Spencer, but the flowers are not so large. These seedling varieties resemble the parent and generally come uniformly waved and fluted.

Gladys Unwin  Clear bright pink.
Phyllis Unwin  Deep carmine rose.
Nora Unwin  Beautiful pure white, finely waved and fluted.
E. J. Castle  Rich carmine rose, with salmon shading in standard.

Frank Dolby  Lovely light lavender; same shade as Lady Grisel Hamilton, but has wavy standard and fluted wings.

Pkt. 10c; oz. 20c; ¼ lb. 70c.
HARDY PERENNIAL ROOTS AND PLANTS

Of all the plants that are cultivated for purely ornamental purposes, there are none that have made the rapid strides in public favor like the Hardy Perennial or old-fashioned garden flower. The love for them of late years has increased so much and it is not surprising when we consider the many uses to which they adapt themselves so readily. There are so many of them that will give an abundant blossom the same year as planted, and for cut flowers we know of no class of plants that will give the same satisfaction for so little care. Planting should be commenced as early as possible, usually about ten days after the frost has lifted. If this is done the plants will get well established before the hot weather comes in. In preparing the border, dig deeply and freely, add well decayed stable manure. Plant only when the soil is in a friable condition. It is better to heel plants in if the ground is not in good working order and wait until favorable weather, rather than plant in wet and clammy soil.

AQUILEGIA OR COLUMBINE

The Columbines are one of the most elegant and beautiful of hardy plants, producing their graceful spurred flowers on stems rising 2 feet or more above the beautifully divided foliage, and are highly prized for cutting. They are not at all particular as to soil or location, although they prefer a sandy loam and a moist, but well drained, sunny position.

COERULEA (Rocky Mountain Columbine). Bright blue and white, long-spurred flowers. Strong plants 20c; doz. $2.00.

LANCEOLATA GRANDIFLORA. One of the most popular hardy plants. The flowers are a rich golden-yellow, of graceful form and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom the entire summer and autumn; it succeeds everywhere. Each 16c; doz. $1.50.

GAILLARDIA

(Baby’s Breath)

The Gypsophilas will thrive in any soil in a sunny position, and on account of their gracefully arranged large panicles of minute flowers, should be in every garden.

GRANDIFLORA. One of the showiest hardy plants, growing about 2 feet high and succeeding in any soil in a sunny position; beginning to flower in June, they continue the entire season. The large flowers are of gorgeous coloring. The center is dark red-brown, while the petals are marked with rings of brilliant crimson, orange and vermilion, and often a combination of all in one flower; excellent for cutting. Each 16c; doz. $1.50.

GYPSOPHILA

(Baby’s Breath)

Whether planted with shrubbery, as clumps on the lawn or in the mixed border, their colossal spikes of bloom produce bold and showy effects, which cannot be secured with any other flowering plant. The Hollyhock requires a deep, well-drained soil, enriched with thoroughly decayed manure, and should be liberally supplied with water during dry weather. A slight protection through the winter will be beneficial; a light covering of loose leaves or evergreen branches will be suitable for this purpose.

Perfectly double rosettes of beautifully formed flowers in the following colors:

Double White, Double Rose, Double Yellow.

Double Red, Double Maroon.

20c each; $2.00 per doz; $16.00 per 100.

ACHILLEA "THE PEARL"

ACHILLEA

"THE PEARL." Flowers borne in the greatest profusion the entire summer on strong, erect stems, 2 feet high, of the purest white; as a summer cut bloom it is of great value. Each 16c; doz. $1.50.

DAISY

BURBANK'S SHASTA. Large snowy-white flowers, in bloom continuously throughout the summer and fall. Each 16c; doz $1.50.

DIELYTRA OR DICENTRA

SPECTABILIS (Bleeding Heart or Seal Flower). An old-fashioned favorite; its long racemes of graceful heart-shaped pink flowers are always attractive; it is used largely for forcing, and is perfectly at home in any part of the hardy border, and especially valuable for planting in the shade. Strong plants 20c; doz $2.00.

DELPHINIUM

(Hardy Larkspur)

These are deservedly one of the most popular subjects in the hardy border, bold, attractive and highly prepossessing plants of easiest culture; perfectly hardy. They will establish themselves in almost any garden soil, but respond quickly to liberal treatment. Each 16c; doz $1.50.

Field Clumps of most of the above, each 25c; doz $2.50.
PAEONIES

PESTIVA MAXIMA. The best known Peony. Flower of immense size—7 to 8 in, in diameter—snow-white, with some red spots on the edges of the center petals. Very sweet. Early. Small 35c; large 60c.

DELCATISSIMA. Very large; delicate, clear pink, lighter in the center; very fragrant; free bloomer; exceptionally pretty in the bud; a quality flower in every sense. It is unexcelled as a cut-flower. Small 50c; large 75c.

FLORAL TREASURE. Color pale lilac rose, large and showy midseason, extra good, one of the best commercial blooms. Small 35c; large 60c.

DELACHII. Rich deep purple, strong grower and free bloomer, one of the best of the Dark Peonies. Mid-season. Small 35c; large 60c.

OFFICINALIS BUBRA PLENA. This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. Small 35c; large 60c.

MIXED VARIETIES. Colors separate—white, pink, red. Small, each 25c; 5 for $1.00. Large, each 35c; 5 for $1.50.

Note—Small roots throw two to four stems: large roots from four to eight.

YUCCA

(Adam’s Needle)

FILAMENTOSA. Among hardy ornamental foliage and flowering plants this can be classed at the head of the list. Its broad, sword-like foliage and tall, branched spikes of large, fragrant, drooping, creamy-white flowers during June and July make it an effective plant for all positions. Each 25c; doz. $2.50.

IRIS PUMILA

A dwarf, early blooming variety, quite desirable for borders and edgings. Violet blue flowers. Each 5c; doz. 50c; 100 $3.00.

LILY OF THE VALLEY

Bearing slender stems set with tiny white bells, delightfully fragrant, do well in shady situations. Flowers each season without any attention. Each 5c; 3 for 15c; doz. 40c.

HARDY PHLOX

The beauty and usefulness of these grand border plants give them a deservedly first place amongst hardy plants. They succeed in almost any soil enriched with manure, but are much benefited by a mulching of well rotted manure in spring, and in hot weather an occasional soaking of water. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected. The best effects to be had with Phlox are produced by planting masses of each color.

BRIDESMAID. Pure white, with large crimson-carmine eye.

COQUELICOT. A fine orange scarlet with crimson eye. Very fine.

ECLAIREUR. Brilliant rosy magenta with large lighter halo. An excellent variety.

FRAULEIN VON LASBURG. The purest snow-white in cultivation. Individual flowers larger than any other white. Extra fine.

JEANNE d'ARC. Pure white, large flowering variety.

JULES CAMBON. Brilliant reddish purple, with very large pure white center. New.

L'AIGLON. One of the best of the deep rose colored varieties; bright carmine eye.

SELMA. A pretty, delicate, soft pale rose, with distinct red eye. Strong plants, each 15c; doz. $1.50. Extra large each 25c; doz. $2.50.

RUDBECKIA

(Cone Flower)

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

"GOLDEN GLOW." We question if any one hardy perennial plant has ever met with greater popularity than this. It is a strong, robust grower, attaining a height of 5 to 6 feet, and produces masses of double golden yellow Cactus Dahlia-like flowers from July to September. Each 15c; doz. $1.50.

ANNUAL BEDDING PLANTS

We can furnish the following bedding plants which will be ready about May 1st.

ALYSSUM. Each 5c; doz. 50c.

ASTER—(Assorted colors). Doz. 25c.

DAISY—(Bellis perennis). Each 5c; doz. 50c.

FORGETMENOT—(Myosotis). Each 5c; doz. 50c.

GERANIUM—(Various). In 3-in. pots. Each 10c; doz. $1.00. In 4-in. pots. Each 15c; doz. $1.50.

PANSY. Large flowering strains. Per doz. 40c.

SALVIA. Seedlings. Doz. 25c. Cuttings in 3-in. pots, each 10c; doz. $1.00. In 4-in. pots, each 15c; doz. $1.50.

SNAPDRAGON. Doz. 25c.

VERBENA. Doz. 25c.
SUMMER FLOWERING BULBS, ROOTS AND PLANTS

CANNAS

The Canna has long been considered an almost indispensable plant for flower garden or lawn embellishment. So popular have they become and so thoroughly are they adapted for bedding purposes, that every summer thousands of them are planted in all the parks, cemeteries and private places in the country. A more gorgeous sight can scarcely be imagined than the many great masses of them of all colors we frequently see. The flowers are produced in great clusters throughout the entire summer.

QUEEN CHARLOTTE. Three feet. A distinct flower; color rich crimson-scarlet, with wide golden border on every petal; foliage green.

SOUVENIR D'ANTOINE CROZY. Four feet. The best of the gold-bordered varieties; flowers large; color an intense scarlet-crimson, rich and dazzling, bordered with golden yellow; foliage green.


DR. ROBERT FUNCKE. 4½ feet. Flowers of bright salvia red. Bronze foliage.

MUSAFOlia. 6 feet. Large green leaves. Used for backgrounds. Flower small. Bulbs of above varieties up to May 1st, each 10c; per doz. $1.00. After May 1st large plants from 4-inch pots, each 15c; per doz. $1.50.

CINNAMON VINE

A lovely climber, taking its name from the peculiar fragrance of its delicate white flowers. The leaves are heart-shaped, bright, glossy green. Growth is very rapid, reaching about eight feet in height; quite hardy. Strong roots, 5c; 6 for 25c; doz. 40c. Extra large roots, each 10c; 3 for 25c; doz. $1.00.

MADEIRA VINE

The Madeira vine is of rapid growth, with dense and beautiful foliage, twining to great height. It grows anywhere, but does better in a warm, sunny, sheltered location. It is also a very pretty plant for training around the windows in the house. Strong tubers, each 5c; 3 for 10c; per doz. 50c.

HARDY LILIES.

AURATUM. The glorious, gold-banded lily of Japan and one of the most superb plants in cultivation. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, fading at its edges into the white. Such choice bulbs as we offer, if well cared for, will give from five to ten magnificent flowers the first year and under good cultivation will, after becoming well established, give from ten to fifty. 20c each; $2.00 per dozen.

SPECIOSUM ALBUM. Pure white flowers with a greenish band through the center of each petal; of great substance, very fragrant. One of the best for general culture. 25c each; $2.00 per doz.

SPECIOSUM BUBRUM. No words can overstate the brilliant beauty of these famous Japanese lilies. The six broad white or pink petals are thickly dotted with rose or crimson spots and the graceful form and brilliant color make them very effective and desirable. Especially thrifty and hardy. One of the best for garden culture. 20c each; $2.00 per dozen.

Canna, Florence Vaughan.

CHARLES HENDERSON. Three feet. An excellent bedder; foliage deep green with narrow bronze margin; flowers large and produced in great abundance; color rich crimson.

FLORENA VAUGHAN. Five feet. A magnificent variety; golden yellow, dotted with spots of bright scarlet; foliage green.

KING HUMBERT. Five feet. In this grand Canna we have a combination of the highest type of flowers with the finest bronze foliage. Its flowers measure six inches in diameter, produced in gigantic trusses, a brilliant orange-scarlet with bright red markings; foliage broad and massive, of a rich coppery-bronze.

MADAME CROZY. Four feet. Still the leading Canna of its kind and color. The flowers are borne in great clusters; color a glossy brilliant vermilion bordered with gold; foliage bright green.
SUMMER FLOWERING BULBS

GLADIOLI

You are sure of fine flowers if you plan Gladiolus, the most attractive of all summer flowering bulbs. They need only a little culture to keep the weeds down, will grow in any good garden soil and will give a more colorful display when the same season because their growth is assured from the stored up strength in the bulbs. Wonderful improvements have been made recently in the size and colorings of these flowers. Plant about the 1st of May.

KUNDERDI GLORY. A new type, with petals ruffled and fluted like Spencer Sweet Peas. Color a delicate cream pink, with a crimson stripe in the center of each lower petal. Spikes immense, with three to eight flowers open at a time. Each 1c; doz. $1.50; per 100, $12.00.

AMERICA. One of the best Gladioli in existence. The color is a most beautiful soft pink, very much like the Enchantress Carnation. Individual flowers are very large and massive, and as a group or in vast stretches there is no other flower which can excel it in effectiveness. Each 10c; doz. $1.00; 100, $6.00.

AUGUSTA. Flowers are of perfect paper white, with a slight pink shade on lower half of the petal. The spike is set solid and perfect with the flowers from top to bottom. Each 10c; doz. $1.00; 100, $6.00.

BRENCEYENSIS. This is an old standard sort and one of the best for bedding where one shade of good scarlet is desired. Large bulbs, Each 5c; doz. 40c; 100, $3.00.

CANARY BIRD. Without a doubt a fine yellow, a pure canary shade that is pleasing and attractive. Each 10c; doz. $1.50; 100, $13.00.

MADAM MONNERET. Rose color. Each 5c; doz. 50c; 100 for $8.00.

MAY. Pure white flaked rosy crimson. Each 4c; doz. 35c; 100 for $2.00.

MRS. FRANCIS KING. A new variety which excited great comment and admiration, both for size of flower and beauty; the color of the flower is a light scarlet; the flowers are very large, usually measuring from 3½ to 4 inches in diameter and are borne on long stems with from 4 to 6 flowers open at a time. Each 10c; doz. $1.00; 100, $6.00.

PRINCES. Amaryllis-like Gladiolus. The color is a rich crimson, with very deep shading in the throat and broad blotches on the lower petals. The individual flowers are usually 5½ inches in diameter. Usually three flowers expand fully at one time, while the spike will produce from 12 to 16 flowers. Each 15c; doz. $1.50; 100, $12.00.

BAYON HULOT. Good-sized flower, well arranged on straight spikes; color, dark violet bordering on blue. Each, 15c; doz. $1.50; 100, $10.00.

HALLEY. Delicate salmon-pink, slightly roseate, the lower petals showing a creamy biotch bisected by a red stripe. One of the earliest to bloom. 15 cts. each; $1.50 per dozen.

PERFECTION MIXTURE. Includes the above and many other named varieties selected to give a proper color proportion. There is nothing finer than this mixture. Doz. 75c; 100, $4.00.

FLORIDA SPIKE MIXED GLADIOLI. Embraces a magnificent variety of beautiful colors, all the poorer sorts having been discarded when in flower. Doz. 50c; per 100, $2.75.

CALADIUM ESCULENTUM

(An Elephant's Ear.)

ESCULENTUM. This is one of the handsomest of ornamentals leaved plants. Roots obtained in the spring will make good plants in the summer. Leaves three feet or more in length, nearly as broad. Mammoth bulbs. Each 25c; 3 for 65c. Selected bulbs, each 15c; 3 for 40c.

TUBEROUS ROOTED BEGONIAS

Unexcelled for summer bedding, such as lawn beds and borders. They should be grown more extensively than they now are, for they require so much more care than ordinary bedding plants. They will thrive either in full sunshine or partial shade, but when fully exposed to the sun the beds must be kept moist. They also make fine pot plants for the conservatory or window gardens.

SINGLE SORTS. White, scarlet, yellow, pink.
Each 7c; 25c; doz. 70c; 100, $5.00.

SINGLE MIXED COLORS. Each 5c; 4 for 18c; doz. 50c; 100, $3.75.

DOUBLE SORTS. White, scarlet, yellow, pink.
Each 10c; 4 for 45c; doz. $1.25; 100, $8.00.

DOUBLE MIXED COLORS. Each 10c; 4 for
15c; doz. $1.00; 100, $7.00.

TUBEROS

The bulbs we offer are unsurpassed in blooming qualities and purity of strain. In this latitude May 1st is ample time to plant in the open ground, but the bulbs can be started in pots much earlier if desired.

EXCELLENT PEARL. Short stalks, long spikes, large flowers, full, double and sweet; mammoth bulbs. Each 6c; doz. 60c. Selected bulbs, each 5c; doz. 50c.
DAHLIAS

These plants are so well known that no description is necessary. No garden should be without some of these brilliant autumn flowers.

The Dahlia requires a sunny location in light, well fertilized soil, a liberal supply of water and plenty of space in which to grow. Roots ready for delivery in April 15c each; $1.50 per doz.

AUGUSTA NONIN—(Decorative). A large dark red flower of beautiful form and borne on long stems.

DELICE—(Decorative). A beautiful true shade of pink. Large flowers on stiff stems.

JACK ROSE—(Decorative). A sturdy grower. Flowers a rich crimson of fine form.

CLIFFORD W. BRUTON—(Decorative). Immense yellow flowers, showing a tinge of red on close inspection. Profuse bloomer.

MASTER CARLE—(Cactus). A very large bright saffron, yellow flower, shaded to tips amber.

PIUS X—(Cactus). Free flowering. White with a tint of yellow.

QUEEN WILHELMINA—(Pacony Flowered). A large pure white. Flowers 6 to 7 inches across. A very free bloomer.

STORM KING—(Show). Large pure white flowers on plants 2½ to 3 feet high.

YELLOW DUKE—(Decorative). A giant flower of pure canary yellow.
FERTILIZERS, INOCULATION AND INSECTICIDES

PULVERIZED SHEEP MANURE. Especially prepared and recommended for lawns, parks, boulevards, flowers and shrubbery of all kinds. It is an entirely pulverized and absolutely free of weed seeds, due to the extreme heat to which it is exposed during manufacture, and contains food in quickly available form. It is also practically odorless and will give the lawn an undesirable appearance when applied.

DIRECTIONS FOR APPLYING. It should be applied in early spring at the rate of 10 pounds per 100 square feet of surface, broadcast, followed by a thorough wetting from the hose in order for it to go into the part of the crop wanted when the snow sets in. This insures the grass an early start and continues feeding throughout the growing season. The result will be a quick growth of green, luxuriant grass.

PRICES. 5 lbs. $2.50; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. $1.25; 100 lbs. $2.00; 500 lbs. $7.50; 1,000 lbs. $13.50; ton $25.00.

THE NEBRASKA SEED CO.’S LAWN FERTILIZER

Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless it receives a sufficient supply of suitable food. Because so few appreciate this fact is the reason there are so many poor, rusty-looking lawns. Stable Manure is unpleasant to handle, ill-looking and decidedly odor- ous, and is also full of waste material. It contains weed seeds which are obnoxious, and it often takes years to eradicate the weeds, causing an unnecessary amount of labor. All these objections are obviated by the use of our Lawn Fertilizer.

DIRECTIONS FOR USE. The first application should be made early in the Spring, as soon as the frost is out of the ground, at the rate of 15 pounds of fertilizer to every 1,000 square feet of lawn, evenly distributed. For seeding down a new lawn scatter double the amount, say 30 pounds of fertilizer, broadcast, on every 1,000 square feet, and rake it in thoroughly before sowing the seed.

PRICE: 5 lbs. 35c; 10 lbs. 50c; 25 lbs. $1.00; 50 lbs. $1.50; 100 lbs. $2.75; 200 lbs. $5.00; 500 lbs. $11.00; 1,000 lbs. $20.00; 2,000 lbs. $35.00.

N. S. CO.’S COMPLETE GARDEN MANURE

This is a complete high-grade fertilizer suitable for flowers, vegetables or the lawn. It contains everything necessary to make plants grow. It is five times more economical than barnyard manure.

PRICE: Five lbs. 30c; 10 lbs. 50c; 25 lbs. $1.00.

NITRATE OF SODA, OR CHILI SALT PETER

Nitrate of Soda is the cheapest and best form in which to apply nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda. In addition to other fertilizers, it is best used on grass crops you must in some way furnish the plants with nitrate. No matter what manure or fertilizer is used the nitrogen must be converted into nitrate before the plants can use it.

PRICE: 5 lbs. 35c; 10 lbs. 50c; 25 lbs. $1.00.

MULFORD NITRO-GERM.

Mulford Nitro-Germ is used to treat or inoculate seeds or soil at the time of planting all legumes or alfalfa. It is supplied for only such crops as Alfalfa, all kinds of Clover, Peas, Beans, Soy Beans, Canada Field Peas, Peanuts, Winter Vetch, Sweet Peas, Garden Peas, Garden Beans and Lentils. It is preferable for what crops wanted. Garden size (4/acre) 50c; 1 acre size, $1.50, postpaid. By express, not postpaid, acre size $2.00. (Write for Mulford Nito-Germ Book. Mailed Free.)

NITRAGIN. A pure culture legume-inoculating material for farmers. Manufactured by the Armour Fertilizer Works. The bacteria are in a granular food packed in a ventilated can. We offer cultures for different legumes including Alfalfa, Clovers, Garden Peas, Garden Beans, Vetches, Cow-Beans, Soja Beans, etc. All directions with each can. Nitratin is put up in three sizes: garden size, $1.00; acre size, $2.00; 6-acre size, $8.00.

BORDEAUX MIXTURE. (Liquid.) For all fungous diseases, rust and rot. By adding water it is ready for use. Qt. 40c; 1 gal. $1.00. One gallon will make one barrel liquid.

BUG DEATH. This is a fungicide, insecticide and plant food combined. 1 lb. pkg., 15c; 3 lb. pkg. 35c; 5 lb. pkg. 50c; 12½ lb. pkg. $1.00.

COFFEE SOLUTION, AMMONIATED. Prevents black and brown rot, mildew and other grape diseases; pear and apple scab, leaf blight, tomato rot, potato blight, melon blight, etc. Dilute 1 part to 100 parts of water; spray lightly. Qt. 60c.

TObACCO DUST. For dusting plants affected with aphids, also used on squash vines and melons and now largely used for fumigating. 1 lb. 10c; 5 lbs. 52c; 25 lbs. $1.00.

HELLEBORE. For currant worm and sucking insects. Less poisonous than paris green and safer to use when fruits and vegetables are near- ly ripe. ¼ lb. 10c; ½ lb. 15c; 1 lb. 25c; 5 lbs. $1.00.

KEROSENE EMULSION. (Liquid.) Used as a sulphur wash against scale, plant lice and aphids. Ready for use by simply adding water. Qt. 40c; ½ gal. 75c; gal. $1.25.

NIKOTEEN. An economical and powerful nicotine extract. One part to 600 of water is sufficiently strong to kill all insects except scale, for which use 1 to 400. Pt. bottle, $1.50.

PERSIAN INSECT POWDER. For roaches, ants, fleas, etc. ¼ lb. 15c; ¼ lb. 30c; lb. 50c.

SLUG SHOT, HAMMOND’S. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb. 15c; 5 lbs. 35c; 25 to 50 lbs. at 6c; barrel (225 to 260 lbs.) at 5½c.

LIME SULPHUR SOLUTION. A very efficient insecticide for San Jose scale. Must be applied before the buds break in the spring or after the foliage has dropped in the fall. Qt. can 40c; gal. can 1.00.

BONE MEAL. (Pure Ground). While not so quickly in action as some fertilizers it is very lasting, being very beneficial. Bone Meal contains the essential nitrogens of nitrogen, as well as phosphoric acid, which are absolutely necessary in the growth of all plants and in the usual period of plant life. Can be used for both outdoor plants and pot plants. When applying, mix thoroughly with the soil. Never let the bone meal come in contact with the blossoms, as this will cause the pot plants to use about a tablespoonful to a 6-inch pot of soil, smaller or larger sizes in proportion. Price. 5 lbs. pkg. 25c; 10 lbs. 45c; 25 lbs. 60c; 50 lbs. $1.50; 100 lbs. $2.75.
“IDEAL” SPRAYING OUTFIT

Designed to meet the requirements of the small gardener and fruit grower. The tank holds 15 gallons and is mounted so liquid will not slop or spill, and is easy to wheel and handle. A pressure of 150 lbs. can be easily maintained. Equipment consists of ten feet ¾-inch pressure hose, ten feet pipe extension (3 pieces); one brass shut-off cock; one brass “Ideal” nozzle. Price, $12.00.

“EASY” COMPRESSED AIR SPRAYER

Has large, strong, durable pump, throwing continuous spray. Holds one gallon. Price, $2.25.

THE “AUTO-SPRAY.”

Works automatically for 6 to 15 minutes, according to the nozzle opening. It may be started in 15 seconds by a few strokes of the plunger. The “Auto-Spray” has a capacity of four gallons, and when properly charged contains three gallons of solution and one gallon compressed air. Eight to twelve strokes of the plunger will compress the air, and two pumpings will discharge the entire contents. Three gallons of solution or one charge will easily cover one-half acre of potatoes or other similar crop. Galvanized Iron Tank, with Auto-Pop Nozzle, $6.00; Solid Brass Tank, with Auto-Pop Nozzle, $7.20.

Auto-Pop Spray Nozzle—in operation a lever is moved by simply closing the hand, thus opening the valve and allowing an instantaneous discharge of spray. By releasing the lever it closes itself automatically, hence the spray is in perfect control. Each, $1.25.

Extension Hoses for Auto-Spray, 2 feet long. Each 50c.

LIGHTNING DRY POWDER DUSTER

The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Dusts two rows at once. Price, $5.50.

This Sprayer is the most convenient and durable on the market for spraying plants, vegetables, small shrubs, trees, etc., but its greatest use of all is in applying liquid insect killers and disinfectants, as it throws a fine spray everywhere into all cracks, crevices, nest boxes and on fowls themselves if necessary. Each $2.00.

BINKS No. 22

COMPRESSED AIR SPRAYER

The Compressed Air Sprayer is probably more universally used today than all others combined. While there are several hundreds of thousands used, it is a well known fact that the majority of them operate at 15 to 20 pounds pressure. Spraying at this pressure is not practical, a fine mist cannot be formed, and the liquids are discharged in drops, which is not only a waste of material but often tends to injure the foliage.

We positively guarantee our No. 22 illustrated herewith to operate at 60 to 80 lbs. pressure. It is made of heavier materials throughout than the average compressed air sprayer. The liquid is discharged in a fine penetrating fog like mist, which not only sprays the tops of the foliage but turns the leaves over by sheer pressure, reaching the underside where most insects are located.

Tank is furnished in either galvanized steel or all brass; a powerful all brass pump screws into top of tank, thus eliminating any possible leaking of air. Furnished complete with three feet discharge hose, spray nozzle, shut-off cock and shoulder strap, galvanized iron. Price, $6.25. Same as above, all brass.......... Price, $7.75

Shut-off Valve in place of regular cock, extra.........45c each

“KANT-KLOG” ROCHESTER SPRAYER

Made of brass or galvanized steel tested under double the ordinary pressure and gives a finer spray for a greater length of time than any other sprayer made. Air pump is two inches in diameter and made of heavy brass. Hose couplings are solid brass, standard cut threads. Safety-valve allows air to escape after necessary pressure is obtained. The “Kant-Klog” nozzle makes two bell sprays, two sizes of straight streams, and one flat spray. This is the only nozzle that can be successfully cleaned without stopping the spray or removing the nozzle from the hose.

Brass Body ........................................... $5.50
Galvanized Steel Body ......................... 4.60
THE LEE SPRAYER

For spraying plants, bushes, and shrubbery; for hogs, horses and cows; for lice, mites, bedbugs, etc., about the poultry house, a sprayer is almost indispensable.

The LEE Sprayer is made of best material, extra strong, thoroughly reliable in every way, and will spray entire contents of can directly upwards as well as in any other direction. This is an invaluable feature about the Lee Sprayer. Other sprayers will spray part of the contents of can upwards, but only with the Lee can entire contents of container be sprayed in any direction.

CONTINUOUS SPRAYER

As the name implies, is so constructed that it not only sprays on the downward stroke of the plunger, but also when it is drawn back, thus causing a continuous mist-like spray.

Solution tank is made from heavy IX tin and is so constructed that the Sprayer will not tip over when filling. Capacity one quart. Price $1.00.

TYRIAN PLANT SPRINKLER

TYRIAN PLANT SPRINKLER. For sprinkling plants and flowers in house or garden. May also be used for sprinkling clothes in the laundry, spraying disinfectants or deodorants. No. 8, Bent Neck, 75c; No. 8, straight neck, 75c. No. 6, Bent neck, 50c; No. 6, straight neck, 50c;

THE KING BARREL SPRAY PUMP

No. 4

KING BARREL SPRAY PUMP. Made for orchards where trees are large or where a large quantity of liquid is to be handled. It has large air chamber, insuring uniform pressure, large cylinder giving great capacity and ball valves enabling the user to keep pump in good condition without taking it apart. Has self-oiling plunger and is so constructed that packing may be tightened without taking plunger out of cylinder. Price, Plain, $8.50; with 5-ft. pressure hose, nozzle and hose clamps, $10.50.
The New “PLANET JR.” Catalogue is the handsomest, best, and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW.

Plants in hills 4, 6, 8, 12 or 24 inches apart. For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt; it is then a perfect single wheel hoe, with a variety of tools, and a rapid change frame, with side extension for hoeing both sides of a row at one passage.

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW.

The simplicity of this tool, both as a seeder and as a wheel hoe, makes the combination thoroughly practical.

Two acres a day can easily be worked with this implement, and when it is done, it will be a better job than several men could have done in the same time with hand hoes.

No. 1 PLANET JR. COMBINED DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW.

The index contains the names of the principal seeds. The drill is set right for any seed when the name appears through the slot. The change is made by opening the cam, sliding the band to the required place, then closing it.

No. 17 PLANET JR. SINGLE WHEEL HOE.

Price, $5.00. Weight, 24 lbs.

The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

No. 18 SINGLE WHEEL HOE.

Price, $3.50. Weight, 19 lbs.

This has one pair of 6-inch hoes only. We offer these Wheel Hoes as the highest type of their class. They have a great variety of tools which adapt the implements to a large variety of work, and there is scarcely any garden culture of which they are not capable.

Nos. 16, 17 and 18 wheels, frames and handles are alike, but the attachments sold with each vary.

No. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW.

Price, $7.00. Weight, 33 lbs.

This tool has one pair of plows, one pair of hoes, four cultivator teeth and a pair of leaf lifters.

No. 13 DOUBLE WHEEL HOE.

Price, $4.75. Weight, 27 lbs.

This tool is the No. 11 with 6-inch hoes only.
**No. 8 PLANET JR., COMBINED HORSE HOE AND CULTIVATOR.**

No other cultivating machine is so widely known as the Planet Jr., Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

**PLANET JR., TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER.**

With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry growers, market gardeners and truckers.

**SEEDERS AND PLANTERS**

**THE MICHIGAN SEEDER**

Simple Durable Accurate Warranted
Sows timothy, clover, flax and grass seed.
Sows 12, 14 and 16 feet wide, 2 to 12 quarts, 25 to 40 acres per day.
Prices—12-ft. hopper, $8.00; 14-ft. hopper, $8.50; 16-ft. hopper, $9.00.

**LITTLE GIANT SEEDER**

The frame of this machine which carries all the bearing parts is made of the best metal. The seed is fed to the fan wheel through an adjustable slide in such a manner as to insure even distribution. The slide can be closed instantly. The Little Giant will sow any seed that is sown by hand and will do the work much better. Price, complete, $1.50 each.

**CYCLONE SEEDER**

Simple in construction and easy of operation; has automatic regulator and cut-off, and performs its work perfectly. It is practical. Price $1.50.

**IDEAL SEEDER.** Operates on same principle as higher priced machines. Each $1.25.
WATER WEIGHT ROLLER BEARING LAWN ROLLER

These Rollers are smooth on face and rounded on outer edges to avoid cutting the lawn. Roller bearings make them 40 per cent easier to operate than the old-style Roller. The fact that the weight is adjustable for different lawn conditions is a great advantage. Write for descriptive circular.

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FERTILIZER AND GRASS SEED SOWER

This is the only hand power Grass Seed and Fertilizer Sower on the market that will sow evenly and accurately any dry commercial fertilizer. Spreads fertilizer evenly over the ground the entire width of machine which sets so close to the ground as to prevent the wind from blowing the seed or fertilizer about. Price $8.00.

HANDY GARDEN TOOLS


THE MAGIC WEEDER AND HOE

Each tine is provided with a coil near the shank, thus acting independently and making it work very easily, obviating all danger of clogging or breaking.

The tines are formed so as to enter the ground on the order of a cultivator or garden plow, lifting and pulverizing the soil, loosening and rendering friable, subseriving moisture, so essential to the rapid growth of young plants.

The Magic Weeder and Hoe is also provided with a steel blade or weed cutter and which is found to be very convenient in cutting roots or for making a small furrow. Also adapted for transplanting. An excellent tool for the garden or greenhouse.

We furnish the Magic Weeder and Hoe as shown, and at the following prices:
Each
No. 1, without blade, short handle...30c
No. 2, with blade, short handle...40c
No. 2V, with blade, short handle...40c
No. 3, with blade, long handle...65c
No. 3V, with blade, long handle...65c
No. 4, no blade, long handle......50c
No. 5, extra heavy, no blade, long handle............75c

NEPONSET PAPER POTS

Made of waterproof paper and are light, clean and unbreakable. 2½-inch, 10c per dozen, 60c per 100; 4-inch, 25c per dozen, $1.50 per 100. All pots sent by express or freight at purchaser's expense.
POULTRY FOODS

The scarcity of beef cattle, and more especially of feeders and breeding stock, insures the continuance of present high meat prices for at least two to three years. Heavy losses among hogs over a wide area through cholera have done nothing to help the situation. Poultry raising seems to offer the only practical recourse. It brings quick and profitable returns. The large crops and consequent lower prices of cereals make it one of the most attractive and remunerative of followings at the present time. To participate in these lucrative profits it is essential that the problem of feeding be correctly solved. Growing chicks must be fed bone and muscle producing foods. For egg production the ration must be carefully considered. If fowls are wanted for table use they must be fed for meat.

In the preparation of our "Perfection" feeds we have been guided by the experience of several of the best posted, most practical and successful poultrymen in the country. These feeds consist of sound, clean grains in wide variety and properly proportioned. They contain no chaff, hulls, powder, dust, grit, shell or other filler. They conform with the most stringent state laws as to feeding values. In their preparation our object has been to make a line of feeds that will produce strong, healthy chicks and egg-laying, money-making hens, and not to provide an outlet for milling company by-products. In our large and growing sales lies the proof of our success.

PERFECTION CHICK STARTER.

A pure, clean product designed for the first feeding of young chicks and to carry them to an age when they can successfully digest the coarser foods. It is a carefully balanced ration containing the necessary bone and muscle forming elements in a form easily digestible by baby chicks. By its use you are assured of strong, healthy chicks which are less liable to disease and develop better and more quickly.
Seven lbs. 25c; 25 lbs. 75c; 50 lbs. $1.50; 100 lbs. $2.50.

PERFECTION CHICK FOOD

A large percentage of the chicks hatched die before reaching the age of four weeks. This heavy loss can be traced largely to the food furnished them. Our Perfection Chick Food meets the requirements of the most critical fanciers and breeders. It contains all that is necessary for chickens until they are four or five months old, except water (skimmed sweet milk is best) to drink, clean, fresh grass or green feed and grit. With proper care and attention to their surroundings this food will raise every chick. Never feed any more than they will eat up clean and make them hunt and scratch for most of it.
Eight lbs. 25c; 25 lbs. 75c; 50 lbs. $1.50; 100 lbs. $2.50.

PERFECTION EGG MASH

A balanced ration for hens. Not a tonic or condition powder but a food 100 lbs. $2.75; 25 lbs 75c.

PERFECTION HEN FEED

A perfectly balanced ration for the laying hen. An egg and vigor-producing food, that will keep fowls in good laying condition without producing too much fat. Contains a variety of grains, high protein meats and bone, but is free from grit and shell usually put in to add weight. Write for a sample. Compare it with what you are now using and see the difference.

Twenty-five lbs., 75c; 50 lbs., $1.40; 100 lbs., $2.50.

PERFECTION PIGEON RATION

A scientifically prepared, balanced ration food particularly adapted to the raising of young pigeons and squabs. With the addition of wheat, peas and cracked corn it makes an ideal food for breeding stock and fancy birds, developing shape, style and plumage and promoting their health and vigor as no other food will.
Six lbs. 25c; 25 lbs., $1.00; 50 lbs., $1.50; 100 lbs., $2.50.

DARLING'S MEAT CRISPS.

Made from sweet meat trimmings carefully cooked, pressed and dried. Contains 75% protein and goes nearly twice as far as ordinary meat scraps. 3 lb. carton, 25c.

"ESSO" CHICKEN CHARCOAL.

Better, purer and more efficient than common charcoal. Being recarbonized, or twice burnt, it contains no gritty or uncharred pieces. 2½ lb. carton, 15c; 25 lb. bag, $1.00; 50 lb. bag, $1.75.
GROUND MEAT SCRAPS
This is the finest thing we know of to cause hens to lay during the winter. Feed three times a week, at the rate of about a handful to every three birds, in the morning, noon, and hot food. Five lbs. 25c; 10 lbs. $1.20; 50 lbs. $1.75; 100 lbs. $3.25.

DEODORIZED BLOOD MEAL
Blood Meal is greatly relished by the fowls, promotes growth and strength and keeps the digestive organs healthy. It is rich in albumen and egg-making materials. Care must be taken not to feed too much, as it is very highly concentrated. One pound of Blood Meal to 18 or 20 pounds of other food is the proper ratio. Five lbs. 30c; 25 lbs. $1.20; 50 lbs. $2.20; 100 lbs. $4.00.

MEAT MEAL
A valuable food for growing chicks and laying hens, being rich in protein, nitrogen, bone phosphate and albumen. It is a pure, wholesome and profitable winter food. Five lbs. 25c; 25 lbs. $1.00; 50 lbs. $1.60; 100 lbs. $3.00.

GRANULATED BONE
It is about the size of wheat and can be fed like any other food, and is one of the finest, and most valuable white bone meal for poultry, the same being obtained from perfectly sound bones, and thoroughly screened from all dust and dirt. Ten lbs. 25c; 25 lbs. 40c; 25 lbs. 75c; 100 lbs. $1.00; 500 lbs. $4.50.

COARSE GROUND BONE
Materially increases egg production. Five lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 100 lbs. $2.75.

FINE BONE MEAL
For mixing once a day with soft feed this is unsurpassed. Laying hens are much benefited by this. Five lbs. 25c; 25 lbs. 40c; 25 lbs. 75c; 100 lbs. $2.75.

CRUSHED OYSTER SHELL—GENUNE
As material for forming shell this is a most essential article for the poultry yard, especially the winter, and should be liberally supplied to the feed. Thoroughly screened from all dust and dirt. Ten lbs. 25c; 25 lbs. 40c; 25 lbs. 75c; 100 lbs. $1.00; 500 lbs. $4.50.

CRYS-CO GRIT
Contains sodium, magnesm, lime and iron, natural chemical properties which every poultry raiser knows are necessary to producing hens. It creates perfect digestion because it keeps the fluids in the crop on the move, owing to the fact that the corners of the pieces always remain sharp. In three sizes, poultry, pigeon and chick. Ten lbs. 25c; 25 lbs. 40c; 25 lbs. 75c; 100 lbs. $1.00; 500 lbs. $4.50.

COTTON SEED MEAL
Five lbs. 25c; 10 lbs. 40c; 25 lbs. 80c; 50 lbs. $1.80; 100 lbs. $2.25.

BIRD SEEDS
All our bird seeds are of the very highest quality, thoroughly reeled, all the dust, dirt and inferior seed being blown or screened out. lb. 5 lbs.

Flax .................................................. .10 .4.0
Canary, best Sicilian .................................. .18 .6.5
Millet, fancy, reeled .................................. .10 .4.0
Hemp .................................................. .15 .6.0
Lettuce .............................................. .1/4 lb. 5.0
Maw, Blue Poppy .................................... .25 .8.0
Millet, fancy, reeled .................................. .10 .4.0
Rape, English ....................................... .16 .6.0
Sunflower ............................................ .10 .4.0
Cuttlefish Bone, each 5c; for 10c ............... .75 $2.50
Gravel for cages .................................... .16

LINSEED MEAL
A little linseed meal fed occasionally with soft feed will prove a great benefit where a rich, glossy plumage is desired. Five lbs. 25c; 10 lbs. 40c.

WIRE HENS' NESTS
These nests are strongly made from heavy wire and will last a lifetime. There is no room on them for lice to find lodging place and they are easily kept clean. Price 25c each; $2.00 per doz.

NEST EGGS
Porcelain. Each, 5c; doz., 25c.
Medicated. Each, 5c; doz., 40c.

N. W. FOUNTAIN AND FEEDER.
Feeds water, grain, grit, etc., automatically. Is easy to fill and operate. Pan is released by lifting trigger. Very easy to clean. Absolutely sanitary. Will fit any size Mason jar. No jars furnished by us. Pans are constructed of heavy iron with a double lead coating. Will not rust or corrode. These pans will last out a few seasons in the galvanized pans, besides being more sanitary. Prices. No. 5, 5-inch pan, each, 20c; No. 6, 6-inch pan, each, 25c.

DIAMOND EGG CARRIER.
The ideal package for shipping hatching eggs. The peculiar construction keeps eggs away from outside of box and insures safe transportation. Fifteen egg size, 1 doz., $1.50; 50, $5.50; 100, $11.00.

RYDE'S CREAM CALF MEAL
(Richest Substitute for Milk)
Makes them strong and keeps them healthy; made with the care of baby food. Safe for baby calves. Contains everything necessary for their rapid and symmetrical growth. Cooked by special process to render it easy to digest. No filling or indigestible matter to cause scouring. The milk for one calf will pay for raising three on Ryde's Cream Calf Meal. Fully guaranteed. A trial is the most convincing argument. 25 lb. bag, $1.10; 50 lb. bag, $2.10; 100 lb. bag, $3.90.

BLATCHFORD'S CALF MEAL
It contains all the elements of milk, and when properly prepared, becomes a "baby food" for calves and colts. 25 lb. bag, $1.10; 50 lb. bag, 2.10; 100 lb. bag, $3.90.

BLATCHFORD'S EGG MASH is made up of Blatchford's Calf Meal, combined with the best quality meal and fish scraps and alfalfa and grain meals. This makes a perfectly balanced egg-producing mash. 25 lb. bag, 90c; 100 lb. bag, $2.90.

BLATCHFORD'S MILK MASH
The same as whole milk, and the chicks you use by it will prove the wisdom of its use. 4 lb. carton, 25c; 25 lb. bag, $1.00; 100 lb. bag, $3.35.

BLATCHFORD'S PIG MEAL
"The safety route from pighood to porkage." 25 lb. bag, $1.10; 50 lb. bag, $2.10; 100 lb. bag, $3.90.
POULTRY SUPPLIES.

THE QUEEN INCUBATOR.

California Redwood is used in building the Queen, as it does not warp or split, nor absorb moisture or odors during use.

In the new model Queen you will find a regular double wall construction, the outside walls of 1-inch redwood, the inner walls of ½-inch redwood. The space between is filled with corrugated strawboard, making a perfect insulation.

The egg trays are made of clear cypress moulding, ¾ x ¾ inches, planed on all four sides. All egg trays are bottomed with 14 mesh galvanized wire cloth, perfectly sanitary as it can be repeatedly washed without rusting.

Eggs and chicks must have air and the Queen ventilation is designed to supply this in proper quantity and have it under the control of the operator.

Hot water is admittedly the best heat for your home, and by adopting this system, the Queen has established a standard of excellence in artificial incubation not attained by any other incubator.

Every Queen Incubator is furnished with Automatic Heat Regulator, fully jacketed copper boiler and radiator, galvanized steel lamp bowl, steel combination flue and egg tester, heavy brass burner with removable gauze, adjustable metal lamp shelf, best mercury thermometer, funnel, egg trays, chick and nursery drawers, screws and washers for attaching parts. A complete 32 page instruction book tells how to set up and run the Queen for big results, and also gives a large amount of information useful to the chicken raiser.

QUEEN INCUBATORS.

<table>
<thead>
<tr>
<th>No.</th>
<th>Egg Size</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>75</td>
<td>60 lbs</td>
<td>$11.20</td>
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<tr>
<td>2</td>
<td>125</td>
<td>70 lbs</td>
<td>14.40</td>
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<tr>
<td>3</td>
<td>165</td>
<td>80 lbs</td>
<td>17.60</td>
</tr>
<tr>
<td>4</td>
<td>250</td>
<td>100 lbs</td>
<td>20.80</td>
</tr>
<tr>
<td>5</td>
<td>375</td>
<td>130 lbs</td>
<td>27.20</td>
</tr>
<tr>
<td>8</td>
<td>500</td>
<td>180 lbs</td>
<td>35.20</td>
</tr>
</tbody>
</table>

QUEEN BROODERS.

All Queen Indoor Lamp-heated Brooders are made of 1-inch, high grade, thoroughly seasoned lumber, mortised corners, matched flooring and covered with two coats of paint.

QUEEN LAMP-HEATED BROODERS

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>75</td>
<td>Chick size No. 6</td>
<td>$6.40</td>
</tr>
<tr>
<td>125</td>
<td>Chick size No. 7</td>
<td>7.20</td>
</tr>
<tr>
<td>165</td>
<td>Chick size No. 8</td>
<td>8.00</td>
</tr>
<tr>
<td>250</td>
<td>Chick size No. 9</td>
<td>8.80</td>
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</table>

QUEEN LAMPELLS BROODERS

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>75</td>
<td>Chick size No. 26</td>
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<tr>
<td>125</td>
<td>Chick size No. 27</td>
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<tr>
<td>165</td>
<td>Chick size No. 28</td>
<td>5.60</td>
</tr>
<tr>
<td>250</td>
<td>Chick size No. 29</td>
<td>6.40</td>
</tr>
</tbody>
</table>

Complete Incubator Catalog Mailed on Request.

DOUBLE QUICK GRAIN SPROUTER.

The most useful invention in the poultry industry since that of the incubator is the Double Quick Grain Sprouter. The last few years of scientific research in the feeding of poultry has developed the fact that for prolific egg production, there is no feed that compares with the sprouted grains. The newly germinated grains for growing chicks and the sprouted oats for laying hens are producing most remarkable results.

The Double Quick is a thoroughly well built machine, constructed on scientific principles.

PRICE

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>½ bu., 2 trays, 25 to 37 hens</td>
<td>$5.75</td>
</tr>
<tr>
<td>2</td>
<td>⅓ bu., 4 trays, 50 to 75 hens</td>
<td>7.00</td>
</tr>
<tr>
<td>3</td>
<td>1 bu., 5 trays, 100 to 150 hens</td>
<td>9.75</td>
</tr>
<tr>
<td>4</td>
<td>2 bu., 6 trays, 200 to 300 hens</td>
<td>12.75</td>
</tr>
<tr>
<td>5</td>
<td>4 bu., 12 trays, 400 to 600 hens</td>
<td>17.75</td>
</tr>
<tr>
<td>6</td>
<td>8 bu., 16 trays, 800 to 1,000 hens</td>
<td>29.00</td>
</tr>
</tbody>
</table>
LEE’S POULTRY REMEDIES

GERMOZONE. The standard remedy for Colds, Roup, Cholera, Bowel Complaint, Chicken Pox, and other poultry ailments. More of it is sold today than any other poultry medicine on the market. Hot weather breeds disease among fowls, old and young. Regular use of Germozone insures better health, better chicks, better layers, and better breeders.

4 oz. (trial) bottle 25c; 12 oz. 50c; 32 oz. $1.00; gallon bottle $3.00. Tablet form, per package, 50c.

LEE’S LICE KILLER. The safe, sure and economical way to rid your poultry-house and poultry of vermin, and with none of the disagreeable work incident to dusting, dipping, greasing, or treating each fowl individually.

PRICE.—Quarts, 35c; ½ gal., 60c; 1 gal., $1.00.

LEE’S EGG MAKER. The most successful combination of those food elements necessary to strong, vigorous birds, and to the production of the largest number of eggs.

It furnishes the material necessary (but lacking in most food rations) to make eggs, or rather, to turn the largest amount of food into eggs.

2½ lbs., 25c; 5½ lbs., 50c; 25 lbs., $2.00; 100 lbs., $7.00.

LEE’S LOUSE POWDER. It is made with a view to utmost effectiveness on setting hens and little chicks, and where a powder is actually preferred you can find none better than Lee’s. It is quite inexpensive, does its work thoroughly, and is prepared in sizes and at prices as follows:

1¼ lb. can, 25c; 3 lb. can, 50c.

LIST OF CONKEY’S REMEDIES

<table>
<thead>
<tr>
<th>Remedy Name</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conkey’s Roup Remedy, Trial</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Bronchitis Remedy</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Cholera Remedy</td>
<td>25c, 50c</td>
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<tr>
<td>Conkey’s Chicken Pox Remedy</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Limber Neck Remedy</td>
<td>50c</td>
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<tr>
<td>Conkey’s Scaly Leg Remedy</td>
<td>25c</td>
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<tr>
<td>Conkey’s Gape Remedy</td>
<td>25c</td>
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<tr>
<td>Conkey’s White Diarrhoea Remedy</td>
<td>25c</td>
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<tr>
<td>Conkey’s Poultry Tonic</td>
<td>25c</td>
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<tr>
<td>Conkey’s Blackhead Remedy</td>
<td>50c</td>
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<tr>
<td>Conkey’s Rheumatic Remedy</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Poultry Worm Remedy</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Canker Special</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Poultry Laxative</td>
<td>25c</td>
</tr>
<tr>
<td>Conkey’s Head Lice Ointment</td>
<td>10c, 25c</td>
</tr>
<tr>
<td>Conkey’s Lice Powder</td>
<td>25c, 50c</td>
</tr>
<tr>
<td>Conkey’s Lice Liquid</td>
<td>35c, $1.00</td>
</tr>
<tr>
<td>Conkey’s Laying Tonic</td>
<td>25c, 50c</td>
</tr>
<tr>
<td>Conkey’s Noxicide</td>
<td>90c, $1.50</td>
</tr>
<tr>
<td>Conkey’s Sulphur Fumigating Candles Each 10c; Doz. $1.00</td>
<td></td>
</tr>
<tr>
<td>Conkey’s Distemper Remedy</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Mange Remedy</td>
<td>50c</td>
</tr>
<tr>
<td>Conkey’s Fly Knocker</td>
<td>35c, 60c, $1.00</td>
</tr>
</tbody>
</table>

CONKEY’S POULTRY BOOK

The new big 80-page edition of this 50 cent book will be mailed free to interested customers on receipt of 4c for postage. Treats the whole subject, as well as care and management of fowl and Geese. You can raise poultry successfully if you follow this book. Don’t fail to get your copy.
MANN BONE CUTTERS
Mann's No. 7 New Model

The newly patented open cylinder device of this machine is of vital importance in obtaining easy access to the knives for cleaning, examination, adjustment and grinding. The feed is both automatic and self-governing. The feed screw acts on the principal of a jack-screw, thus creating great pressure with little motive power. It can readily be adjusted to suit the strength of any individual operator—man, woman or child, as the spiral spring governor is easily set (while the machine is in operation if need be), and the machine is made to cut slow or fast, coarse or fine, as

Full descriptive circular sent on application. No. 7 is intended for a flock of 50 to 100 hens.

Prices of Mann Bone Cutters, F. O. B. Omaha:
No. 5 (With Crank Handle) ............................................ $ 2.76
No. 5 B M. (With Balance Wheel) ................................. 3.26
No. 5 NEW MODEL, (See Cut) ................................. 8.60
No. 6 NEW MODEL .................................................. 10.00
No. 7 NEW MODEL .................................................. 11.00
No. 9, NEW MODEL .................................................. 14.00

SPECIAL CATALOG OF MANN BONE CUTTERS FREE ON APPLICATION

MANN'S CLOVER CUTTER

Clove Cutter, with balance wheel .................................. $ 8.00
Clove Cutter, with balance wheel and iron stand ............... 10.00

WILSON FAMILY GRIST MILL

This mill is especially made for grinding Graham flour or corn-meal for table use. It can also be adjusted for cracking grain if desired. The grinding surfaces are of very hard material, especially made for this purpose, and are ground perfectly true on emery wheels, and will last for years. The shaft is made of steel and will not rust or break. Diameter of hand wheel, 20 inches; without stand, weight 30 lbs. Price $3.50. With stand, price, $5.50.

BLACK HAWK CORN SHELLER

Can be fastened to a bench box or most anything. Every poultry raiser needs one. Price $3.00.

DRINKING FOUNTAIN

"KENTUCKO" DRINKING FOUNTAINS.

Cannot burst from freezing. Easily cleaned and filled. Made of the best heavy galvanized steel. One quart 20c each; doz ........................................ 2.25
Two quarts 25c each; doz ........................................ 2.75
Three quarts 35c each; doz ........................................ 3.25
Four quarts 50c each; doz ........................................ 3.50

SANITARY SELF-FEEDING BOX

Price, 50c; $5.00 per dozen.

CLIMAX LEG BANDS

Rings are of spring brass and tags of aluminum. They are numbered from 1 to 100. Sizes No. 1 for Bantams; No. 2, for Americans; No. 3, for Asiatics.

Prices, per doz. 15c; per 25, 30c; per 50, 45c; per 100, 75c.

LEADER BANDS

The best pure aluminum band.

Prices, per doz. 15c; per 25, 25c; per 50, 40c; per 100, 55c.

COLORED LEADER BANDS—Open Style. Doz. 15c; 25, 25c; 50, 50c; 100, $1.75.

ALUMINUM PIGEON BRANDS—Open Style. Doz. 15c; 25, 25c; 50, 40c; 100, 65c.

POULTRY MARKER

Price, each 25c.

CAPONIZING SETS

Poultrymen can double their profits, by Caponizing their chicks. The operation is very simple—the instructions are so full and explicit that any man, woman or child, after a careful reading, will be able to perform the operation.

PHILADELPHIA CAPONIZING SET. Complete, $2.50.
The increased demand for a substitute for milk in either raising or vealing calves that will give fully as good results as whole milk at far less expense to feed has resulted, after careful consideration and investigation, in our placing before farmers and dairymen

**NEBSEECO CALF MEAL**

This is not an experiment but a result of over fifteen year’s experience in producing a combination of different materials that have proven the best for developing young calves rapidly and supplying them with all the nutriment they require for building them up evenly and symmetrically in the shortest possible time. All hulls, fibre, and indigestible matter has been carefully removed and *Nebseeco Calf Meal* is thoroughly cooked by special process, rendering it very easy to digest and assimilate by the youngest calves.

100 Pounds Makes 100 Gallons Rich Milk Substitute

Calves can be raised on *Nebseeco Calf Meal* at less than one-half the expense of feeding new milk. It enables the farmer to raise his own dairy cows without interfering with the sale of milk, thereby improving his herd by careful breeding instead of buying cows of unknown value. For vealing calves, it is unsurpassed, giving good weight of firm white quality in a few weeks’ time. Fed dry it is one of the best preventives of scouring.

Sell the Milk and Raise the Calves

This produces a double source of income when previously there was one and makes dairying one of the most profitable branches of farming. *Nebseeco Calf Meal* is guaranteed to give entire satisfaction or dealers are authorized to refund the purchase price. Try it on your next calves.

*Complete Feeding Directions in Every Bag*

100 lb. Bags, $3.90  
50 lb. Bags, $2.10  
25 lb. Bags, $1.10
## THE LEAHY TELESCOPE HIVE.

## THE HIGGINSVILLE DOVETAIL HIVE.

### PRICE OF DOVETAIL HIVE WITH HIGGINSVILLE COVER.

EIGHT-FRAME HIVES.  
Nails included.  
<table>
<thead>
<tr>
<th>Inside Measure, 18 3/4 x 12 3/4 x 3 1/2 Inches.</th>
<th>Set up</th>
<th>In Flat Lots of 1</th>
<th>In Flat Lots of 5</th>
<th>In Flat Lots of 10</th>
<th>Weight of 3 in Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1A, 1-story hive, no foundation starter.</td>
<td>$2.20</td>
<td>$1.60</td>
<td>$7.50</td>
<td>$14.50</td>
<td>200</td>
</tr>
<tr>
<td>No. 1E, 1 1/2-story, without sections and starters.</td>
<td>3.00</td>
<td>2.20</td>
<td>10.30</td>
<td>19.75</td>
<td>255</td>
</tr>
<tr>
<td>E.P., 1 1/2-story, fence sep., sec. hold for sec 4 3/4 x 1 1/2 no sec. or start.</td>
<td>3.05</td>
<td>2.25</td>
<td>10.45</td>
<td>20.25</td>
<td>285</td>
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<tr>
<td>No. 1, 1 1/2-story, with sec., and 1-inch start. for sec.</td>
<td>3.30</td>
<td>2.45</td>
<td>11.45</td>
<td>22.35</td>
<td>270</td>
</tr>
<tr>
<td>P, 1 1/2-story, sec. 4 3/4 x 1 1/2, fence sep., 1 in. start. for sec.</td>
<td>3.55</td>
<td>2.65</td>
<td>12.05</td>
<td>24.25</td>
<td>305</td>
</tr>
<tr>
<td>No. 5, 2-story, for extracting, with frames and div. bds. no start.</td>
<td>3.50</td>
<td>2.60</td>
<td>11.65</td>
<td>23.20</td>
<td>280</td>
</tr>
<tr>
<td>No. 6, 1 1/2-story, deep super, 5 3/8 frames, no foundation.</td>
<td>3.00</td>
<td>2.20</td>
<td>10.25</td>
<td>19.30</td>
<td>280</td>
</tr>
<tr>
<td>For metal roof cov. with sup. cov. instead of Higg. cov., add.</td>
<td>.20</td>
<td>.20</td>
<td>.90</td>
<td>.90</td>
<td>1.70</td>
</tr>
</tbody>
</table>

TEN-FRAME HIVES.  
Inside Measure, 18 3/4 x 14 3/4 x 3 1/2 Inches.  
| No. 1A, 1-story hive, no foundation starter. | $2.30  | $1.70  | $8.00 | $15.50 | 215               |
| No. 1E, 1 1/2-story, without sections and starters. | 3.15   | 2.40  | 10.45 | 21.35 | 285               |
| E.P., 1 1/2-story, fence sep. sec. hold, for sec 4 3/4 x 1 1/2 no sec. or start. | 3.15   | 2.40  | 11.20 | 21.80 | 285               |
| No. 1, 1 1/2-story, with sec. and 1-inch start. for sec. | 3.45   | 2.60  | 12.00 | 23.75 | 305               |
| P, 1 1/2-story, sec. 4 3/4 x 1 1/2, fence sep., 1-inch start. for sec. | 3.50   | 2.65  | 12.45 | 24.45 | 305               |
| No. 5, 2-story, for extracting, with frames, no div. bd. | 3.60   | 2.80  | 12.80 | 24.80 | 345               |
| No. 6, 1 1/2-story, deep super, 6 3/8 frames, no foundation. | 3.05   | 2.25  | 10.80 | 21.00 | 280               |
| For metal roof cov. with sup. cov. instead of Higg. cov., add. | .20    | .20  | .90    | .90    | 1.70               |

### PRICES OF TELESCOPE HIVES.

EIGHT-FRAME SIZE.  
Nails included.  
| No. 1A, 1-story hive, without foundation starters. | $2.50  | $1.90  | $8.40 | $15.90 | 76               |
| No. 1E, 1 1/2-story, no sections or foundation starters. | 3.30   | 2.60  | 11.30 | 21.60 | 90               |
| No. 1, 1 1/2-story, with sections and 1-inch starter for sections | 3.60   | 2.85  | 12.00 | 23.75 | 115              |
| Supers empty, with flat tins only. | .40    | .30  | .80    | .80    | 1.55               |
| No. IE, super sec. holders, separators, no sec. or foundations. | .75    | .60  | 1.65 | 3.20 | 18               |

TEN-FRAME HIVES.  
No Division Boards in Ten-Frame Sizes.  
| No. 1A, 1-story hive, without foundation starters. | $2.60  | $2.00  | $8.70 | $16.20 | 80               |
| No. 1E, 1 1/2-story, no sections or foundation starters | 3.40   | 2.65  | 7.45 | 15.00 | 114              |
| No. 1, 1 1/2-story, with sections and 1-inch starter for sections | 3.75   | 2.90  | 8.25 | 16.90 | 105              |
| No. 5, 2-story, with brood frames for extracting, no foundation. | 3.75   | 2.85  | 8.05 | 16.75 | 115              |
| Supers empty, with flat tins only. | .40    | .31  | .80    | .90    | 1.76               |
| No. IE, super sec. holders, separators, no sec. or foundation | .80    | .65  | 1.50 | 3.10 | 20               |
| No. 1, super sec. holders, separators, sec. and 1-inch foundation. | 1.15   | .90  | 2.55 | 5.00 | 22               |

### PRICE LIST OF COMB FOUNDATION.

In ordering give grade and price.

<table>
<thead>
<tr>
<th>Name of Grade.</th>
<th>Where Used.</th>
<th>Regular size per lb.</th>
<th>1 lb.</th>
<th>5 lb.</th>
<th>10 lb.</th>
<th>$5 lb.</th>
</tr>
</thead>
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<tr>
<td>Medium brood...</td>
<td>In brood and extract, frame 1 1/2 x 1 1/2</td>
<td>.60</td>
<td>.30</td>
<td>.60</td>
<td>.30</td>
<td>.60</td>
</tr>
<tr>
<td>Light brood...</td>
<td>In brood and extract, frame 1 1/2 x 1 1/2</td>
<td>.62</td>
<td>.31</td>
<td>.60</td>
<td>.31</td>
<td>.60</td>
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<tr>
<td>Thin super......</td>
<td>In sec. boxes for comb honey 3 3/4 x 1 1/2</td>
<td>.67</td>
<td>.34</td>
<td>.65</td>
<td>.34</td>
<td>.65</td>
</tr>
<tr>
<td>Extra thin super...</td>
<td>In sec. boxes for comb honey 3 3/4 x 1 1/2</td>
<td>.70</td>
<td>.35</td>
<td>.65</td>
<td>.35</td>
<td>.65</td>
</tr>
</tbody>
</table>

### BEESWAX.

We want all the beeswax we can get, and will pay the highest market price in cash. If you or any of your neighbors have any for sale let us know, and we will buy it.
PRICE LIST OF BROOD AND EXTRACTING FRAMES.

All of these Frames have top bars, 19 inches long.

We can furnish 18½-inch top bar if so ordered.
Nails included.
Hoffman brood frames, pierced ................................................. $4.75
Thick top bar non-spacing frames, without staples ....................... .45
Simplicity all-wood frames, ½-inch top bar ................................ .40
Shallow extracting frames, 5/8 inches deep, ½-inch top bar ......... .30
Shallow extracting frames, 4½ inches deep .............................. .25

LATEST IMPROVED HOFFMAN FRAME.

GLOBE BEE VEIL. No trouble to put on or take off; perfect protection; we know of nothing better. By mail, for $1.00; extra nets, 60c each. Cotton tulle veils with silk face, fits any hat; Price 60c; by mail 65c.

THE BASSWOOD ONE-PIECE SECTION BOX.

Prices on Beeway Sections 4¼x4¼x1½ or 4½x4½x7 to the foot:

<table>
<thead>
<tr>
<th>Section holder, 1½ inches wide, slotted</th>
<th>$0.25</th>
<th>$2.25</th>
<th>$11.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain section holders for 1¼-inch sections</td>
<td>.15</td>
<td>1.15</td>
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<tr>
<td>Ideal slats, 3/8 x 1½ x 1½ in.</td>
<td>.20</td>
<td>2.00</td>
<td>9.50</td>
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<tr>
<td>Slotted wood separators, 4¼ x 1½ inches</td>
<td>.15</td>
<td>1.10</td>
<td>5.25</td>
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<tr>
<td>Plain wood separators, 3½ x 1½ inches</td>
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<td>.80</td>
<td>3.75</td>
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<tr>
<td>Fence separators for sections 4½ x 4½ in., 4½ in. or 3½ x 5 inches</td>
<td>.25</td>
<td>2.10</td>
<td>10.00</td>
</tr>
<tr>
<td>Slat separators with tin ends</td>
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<td>2.10</td>
<td>10.00</td>
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PRICE LIST OF SECTION HOLDERS AND SEPARATORS.

<table>
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<th>Name</th>
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</thead>
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<tr>
<td>Smoke Engine, Bingham 4 in.</td>
<td>.75</td>
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<tr>
<td>Doctor, Bingham 3½ in.</td>
<td>.80</td>
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<tr>
<td>Conqueror, Bingham 3 in.</td>
<td>.80</td>
<td>2.25</td>
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<tr>
<td>Little Wonder, Bingham 2½ in.</td>
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<tr>
<td>Higginsville 2¼ in.</td>
<td>.75</td>
<td>2.00</td>
<td>9.50</td>
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<tr>
<td>Ame 2¼ in.</td>
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<td>1.15</td>
<td>5.50</td>
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BEE SMOKERS.

BEE GLOVES.

Price of the cotton gloves, 50c each; weight 6 ounces.
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<tr>
<td>Wild Cucumber</td>
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<tr>
<td>Yucca</td>
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<tr>
<td>Zinnia</td>
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The Nebraska Seed Co.,
Omaha, Nebraska.