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To Our Friends and Customers

THE BEST SEEDS OBTAINABLE AT REASONABLE PRICES

| OR the past three seasons crop returns have been very disappointing, particularly so in the Northern seed-growing districts: last season, fortunately, weather conditions were nearer to normal, and returns have changed for the better. Stocks have attained a higher percentage of vitality, and we are pleased to state that we are in a position to serve our customers with the same high quality of Pedigree Seeds we have furnished in the past. The pursuant pages represent a complete line of our standard varieties with several specialties added of real merits, which have been introduced in this country and Europe, all of which have been tested by us and are worthy of your liberal trial.

We want to do the largest business this year we have ever done, and this we are sure to accomplish with your aid and kind recommendation to your neighbors and friends, and we feel assured it will prove a credit to you as well as ourselves.

HOW TO ORDER BY MAIL

Always use the Order Blank and envelope sent with this Catalog when possible. Write plainly, keep a copy of your order, and be sure to sign your name, Postoffice, County and State every time you write to us. Extra Envelopes and Order Blanks will be sent on application, also additional Catalogs, if desired.

CASH WITH ORDER

The proper way is to send remittance in full to cover order and postage. Remittance may be made by the following methods: Postoffice Order, Express Company Money Order, Registered Letters, or small amounts in Postage Stamps. Orders thus sent are filled promptly and correctly the day they are received in nearly all cases.

No Goods sent C. O. D. unless cash to the amount of one-fourth the order accompanies the same.

PACKING AND CARTAGE FREE

We make no charge for packing or hauling to Express Office, Railroad Station or Wharves, which enables the purchaser to procure his wants as cheaply as if they called at our store.

Cotton Seamless 2-bushel Bags are charged at 20 cents each.

While we exercise the greatest care to have all seeds pure and reliable, we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any Seeds, Bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. We test all our seeds before sending them to our customers, and should they fail to grow, if promptly and properly tested by the customer, we will replace the same amount or give value in others. We cannot afford knowingly, to send out seeds doubtful as to vitality or purity, and you cannot buy better stocks of any other seedsman.

THE BEST SEEDS OBTAINABLE AT REASONABLE PRICES

J. MANNS & COMPANY Forrest and Hillen Streets BALTIMORE MARYLAND

TRUCKERS' FAVORITE SEED HOUSE January 1913
ARTICHOCHE

Plant similar to potatoes, in rows 3 feet apart and two feet in the row, cover two inches deep, plant from March to April. They should not be dug in the fall, but remain in the ground and be gathered as may be desired.

Jerusalem. This variety is produced from tuborous only, and grown exclusively for their large potato-like roots, which are valuable for feeding hogs, often yielding two tons per acre. The tubers are also edible, and are delicious when roasted and bolted and served with butter, salt and pepper. Peck 60c.; bush. $2.00.

Large Green Globe. This Artichoke is grown for its flower heads, which are cooked like Asparagus. Hardy and easily cultivated. The seed can be sown early in April in a rich seed bed in drills one inch deep and 12 inches apart, thinning, when up, to 4 inches apart. Protect in winter with a slight covering. The second season they form heads. Once established, they will continue bearing for years. Pkt. 5c.; oz. 25c.; lb. 85c.; $3.00.

Asparagus Bunchers Can be regulated for stalks of any length and bunches of different sizes. Strong and well made. $1.75.

Asparagus Knives 30 cents each; by mail, 25 cts. each.

ASPARAGUS—Spargel

1 oz. for 50 feet drill; 500 plants. 1 lb. produces plants to set one acre.

To grow plants from seed, sow in April or May, mix the seed with sand, pour warm water on it, and place in a box, keeping up the moisture until the seed commences to sprout. Sow the seed and sand in drills about eighteen inches apart and two inches deep. When the plants are well up, thin to about one inch apart and give frequent cultivation. Under fair conditions the plants will be fit to set in beds in the following spring.

Giant Argenteuil. Of French origin. Earlier and larger than the old standard varieties, yet retaining that delicate, light green color and tender quality desired. Pkt. 5c.; ¼ lb. 20c.; lb. 80c.

Barr’s Mammoth. A fine, large-stemmed, green variety, free from fiber. Pkt. 5c.; ¼ lb. 15c.; lb. 35c.

Palmetto. It is of a large size, even and regular growth, and of a dark green color. It does well both North and South. The quality is excellent. Pkt. 5c.; ¼ lb. 15c.; lb. 35c.

Conover’s Colossal. A large and rapid grower of light green color and good quality. Pkt. 5c.; ¼ lb. 15c.; lb. 35c.

Asparagus Roots

100 roots plants a bed 15x50 feet. An acre, 4,000 to 6,000.

A saving of one to two years is effected by planting roots which we can supply at very reasonable prices, especially in large quantities.

Culture.—Plow trenches 18 inches wide and 8 to 12 inches deep, 5 feet apart. If the subsoil is not naturally loose and friable, it should be made so by thoroughly stirring with a narrow-tooth cultivator or spade. Scatter well-rotted manure in the furrow and mix with the soil, and then set the plants 15 to 20 inches apart in the row. Care should be taken in setting all the crowns to point in one direction, thus preventing the roots of one plant taking nourishment from another. Cover the roots 3 to 4 inches deep, and on the approach of winter cover with manure, which work in early in the spring and apply pure animal bone or kainit. If white asparagus is desired, the second spring after planting, earth up 18 inches above the roots, to blanch the asparagus as it grows. If green asparagus is desired, it is not necessary to earth up so deeply, or to make the rows more than 4 feet apart. Do not cut too late in the spring, as it is liable to exhaust the plants. After you stop cutting, leave the plants to grow, and during the winter or early spring cut off the growth and burn or destroy it, run the plow over the bed to throw the earth down, and apply manure or Pure Animal Bone, or both, mixing with the soil. To make white asparagus, the beds must be freshly and lightly earthed up each spring just before the growing season commences.

Strong 2-year-old roots of the above named varieties (per doz. 20c., postpaid), by express or freight, not prepaid per 100, 45c.; per 1000, $4.00.

No discounts, but the best values in dependable seeds
BEANS—Green Poded Dwarf or Bush Beans

One quart will plant 100 feet of drill; 1 to 1½ bushels to the acre.

Plant as soon as the ground is warm and dry in drills two and one-half feet apart, and drop the beans three inches apart. For a succession sow every three weeks until the 15th of August. Hoe often, but never when wet with dew or rain, as earth will rust the leaves and injure the crop.

Burpee’s Stringless Green-Pod. A very early variety, having long, straight, round and fleshy pods, free from strings. The dry beans are oval, of a chocolate brown color. Qt. 25c.; pk. $1.25; bush. $1.50.

Hopkins Improved Extra Early Red Valentine.

Extra early round pod. Our strain of this popular variety is very fine, and has been selected especially for earliness and good quality. It is one of the most profitable sorts for private use or market. Qt. 15c.; pk. 90c.; bush. $2.50.

(New) Keeney’s Stringless Refugee. Planters everywhere will at once recognize the wonderful merit of this new variety when it is stated that, in addition to the superior qualities of the old Refugee or 1000 to 1, this new sort is absolutely stringless. It has every quality desirable in a bush bean—true bush habit, 18 inches high, unusually productive. The pods are round, very handsome, and average over 5 inches in length. They are fleshy, tender, brittle and entirely free from strings at all stages of growth. This splendid bean is sure to become very popular with gardeners and canners, and will, we believe, completely displace the old Refugee as soon as enough seed stock can be produced. 1 pt. 15c.; qt. 25c. pk. $1.75.

Giant Stringless Green Pod.

A very hardy, stocky vine, pods long, round and green in color, of exceptionally fine quality and stringless throughout its entire growth. It makes an excellent succession to Burpee’s Stringless Green pod when planted at the same time. Qt. 20c.; pk. $1.25; bush. $4.50.

(New) Full Measure. A most valuable and promising new variety. The handsome green pods, six to seven inches in length, are round, solidly meaty, brittle and stringless. They mature a week to 10 days later than E. Early Red Valentine. Qt. 20c.; pk. $1.25; bush. $4.50.

Black Valentine, or May Owen. Comparetively new, it has become a favorite with truckers and growers for the earliest market. It is fully a week earlier than the earliest Red Valentine, very frost resistant, and can be planted very early in the spring or late in the fall. The pods are straight and round, of a beautiful green color, which are borne in great quantities. The quality is fair, and should be picked when young. Qt. 15c.; pk. $1.00; bush. $5.75.

Hodson Green Pod. Entirely unaffected by rust or blight; an exceptionally strong and robust grower, enormous yielder, often producing 50 to 60 somewhat flat pods to the plant, and withstanding adverse weather conditions to a remarkable degree. It mature later than Refugee or Thousand to One. Excellent shipping sort. Qt. 20c.; pk. $1.00; bush. $5.75.

Early Bountiful. Of thrifty growth and very hardy. The stringless and tender flat green pods are produced very early in the season, and the bush continues in bearing for a long time. It is practically a stringless Early Yellow Six Weeks. Qt. 20c.; pk. $1.10; bush. $4.00.

Extra Early Refugee. The pods are fleshy and of fine quality; very hardy. Qt. 20c.; pk. 90c.; bush. $3.50.

Refugee, or Thousand to One. Maturing later than Extra Early Refugee, with larger foliage; very prolific. Qt. 20c.; pk. 90c.; bush. $3.50.

Extra Early Red Valentine. In this improved strain the pods are very fleshy, round and saddle-backed, with only slight strings. Bushes grow uniformly about fifteen inches in height and produce a large crop. This strain has been carefully selected, and has proved to be fully 4 to 6 days earlier than Hopkins Red Valentine. Qt. 15c.; pk. 90c.; bush. $3.50.

No discounts, but the best values in dependable seeds.
BEANS—Green Pod Snap Varieties Continued

Dwarf Cherry, or Dwarf Horticulture. Our stock is much superior to the old style Dwarf Cherry, being stringless and entirely free from runners. Wherever grown is spoken of in terms of highest praise. Vine very productive, compact, upright, with large leaves. Pods medium in length, broad and thick, curved with splashes of bright red on a yellowish ground. One of the best sorts for green shell beans for home and market. Seed large, oval, plump, flesh colored and nearly covered with splashes of bright red. Qt. 20c.; pk. $1.25; bus. $4.50.

VARITIES FOR USE AS SHELL BEANS. These are grown in large quantities for the winter market. They should be planted in rows 3½ to 4 feet apart for horse cultivation, dropping 3 or 4 seeds in hills one foot apart in the row. When pods ripen the plants may be pulled up on a clear day, well dried and stored in a barn for threshing when convenient.

White Marrowfat. For white soup beans. The plants are semi-running in habit, two feet in height and very productive. Beans of good size, slightly oval and quite thick through. Qt. 15c.; peck 75c.; bush. $2.75.

White Kidney, or Royal Dwarf. An excellent shell-bean, green or ripe. One of the best for winter use. Seeds large, white, kidney-shaped. Qt. 20c.; peck, $1.00; bush. $3.50.

WAX—POD VARIETIES.

Currie's Rust-Proof Wax. A favorite market and shipping sort. One of the earliest of the wax sorts, maturing in 45 days. Vines strong, robust and upright, holding the pods well off the ground. The pods are of a beautiful golden color, and of excellent shipping and market qualities. Qt. 20c.; peck $1.10; bus. $4.00.

Hodson Wax. Vine exceedingly vigorous, hardy and productive. Pods clear, creamy white, very long, straight or slightly curved, flat but fleshy and of good quality, matures its crop late. Seed long, cylindrical, uniform in shape; color dull purplish red splashed with pale buff. Qt. 20c.; pk. $1.25; bus. $4.50.

Round Pod Kidney Wax. This midseason variety is exceedingly handsome and very desirable, especially for snap for the home garden. Vines dwarf, spreading and very productive. Leaves roughened. Pods long, slightly curved, light yellow, wax like, stringless and of the best quality. They are uniformly perfect, an ill-shaped one being rarely seen. Seed long, cylindrical, medium sized, nearly white with a little dark marking about the eye. Qt. 20c.; pk. $1.50; bus. $5.50.

Burpee's New Kidney Wax. An improved strain of Wardwell's Kidney Wax, maturing at the same time, but being so much more productive and the pods of larger size, they will yield more baskets to a given length of row. Qt. 20c.; pk. $1.40; bus. $5.50.

Wax—Pod Varieties Continued.

No discounts, but the best values in dependable seeds
DWARF LIMA BEANS

1 quart to 150 hills; 8 to 10 quarts to the acre.

These varieties are of true bush or dwarf form, growing but eighteen to twenty inches high without supports. About two weeks earlier than the Climbing Lima, abundant bearers until frost. Plant in rows two feet apart, plant one foot apart in the row.

Ford Hook New Early Giant Bush Lima Bean. This new Bean represents the highest achievement in bean breeding. One plant is stiffly erect habit, twenty inches in height, branching freely, but with all the branches held upright. Bush growth is strikingly in contrast to the low spreading growth of some other varieties of bush limas. The leaves are identical with that of the Burpee's bush Lima, while the pods and beans are of the Kummerle or Dreer's bush Lima type, but twice in size. They bear from July until frost almost unbelievable quantities of five to six inch pods, each containing four large, thick beans of the very best quality. Pt. 25c.; qnt. 30c.; pk. $1.00; bush. $6.00.

Burpee's Improved Bush Lima. This bean produces a magnificent crop of pods, which measure from five to six inches long by 1½ inches wide. Compared with Burpee's Bush Lima, both pods and beans are much larger, while the beans, either green or dry, are nearly twice as thick. The sturdy bushes are loaded with pods that are truly enormous in size. The luscious green beans are larger than any Lima ever known before. Qt. 25c.; pk. $1.50; bush. $6.00.

Henderson Bush Lima. Compact, bush form, and produces large crops very early. Beans rather smaller in size than the others, but of the very best quality. Qt. 25c.; pk. $1.50; bush. $6.00.

Dreer's, or Kummerle Bush Lima. Qt. 25c.; pk. $1.50; bush. $6.00.

POLE LIMA BEANS—Stangen-Bohnen

1 quart to 150 hills, 8 to 10 quarts to the acre.

The pole variety of Beans are of strong running growth and need stout poles or other support on which to climb. They require a longer season to mature pods than the bush varieties, but by reason of their strong growth are more productive, and growing on poles are more easily gathered. When planted in the garden, poles should be set three to four feet apart each way. A showel of rich compost or well-rotted manure should be placed in the soil at the base of the pole before planting the seed.

Carpenteria Giant-Podded. Heaviest grower of all Limas. The pods are truly gigantic in size, frequently measuring from seven to eight and one-half inches in length by from one and a half to nearly two inches in width. The beans are extra large and thicker than any other Pole Lima excepting only those of the Potato-Lima type; of a decided greenish tint and indications of fine quality very early. Qt. 30c.; pk. $1.75; bush. $6.50.

Seibert's Large Early. Extra early and very productive. Pods are thin and contain four large green beans of the finest quality. Continues to bear until frost. Qt. 25c.; bush. $6.50.

Early Leviathan Lima. This is the very earliest. It will not only give large Lima Beans earlier than any other strain, but is also much more productive, both early and throughout the season. It is a good strong grower, clinging well to the poles, and is a sure setter of pods. The pods differ from those of the other Pole Limas in being straighter and longer.

The pods hang out from the foliage in large clusters and contain three to four and frequently five large beans to the pod. Pint 15c.; qt. 25c.; peck $1.50; bush. $6.00.

Ford's Mammoth Podded. The pods grow to an average length of seven inches and are produced in great clusters, with from five to six beans per pod, of most excellent quality, for using either green or dried. The growth is vigorous, bearing the beans early at the bottom of the pole, and continue in bearing right up to frost. Qt. 25c.; peck $1.50; bush. $6.00.

Large White. Considered by many the most delicious of the Lima family, a general favorite for home use or market. Qt. 25c.; peck $1.50; bush. $6.00.

King of the Garden. One of the best and most popular main crop varieties. It is medium early and has very long pods, 6½ to 7½ inches long, which are well filled with very large green beans. The pods are very straight and handsome, and the fine, very thin beans are bear abundantly. Qt. 25c.; peck $1.50; bush. $6.00.

Challenger, or Dreer's Pole. A splendid pole variety. Quite early, very prolific, and of very fine quality. The pods are borne in clusters, and the beans are short and thick, almost round and crowded together in the pod that the ends are flattened. A very desirable variety with market gardeners. Qt. 25c.; peck $1.50; bush. $6.00.

No discounts, but the best values in dependable seeds.
Green Pod Pole or Corn Field Beans

(New) Burger's Pole, or White Kentucky Wonder. A new pole variety of great merit. Bears long, brittle stringless pods of excellent flavor. It rivals all other pole beans and is destined to become the most popular of all. Qt. 25c.; peck. $1.25; bush. $5.00.

Kentucky Wonder, or Old Homestead. The most popular of the pole varieties, and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle-backed, green in color and stringless. Seed light brown. Qt. 25c.; peck. $1.50; bush. $5.00.

White Creaseback. An early, green-podded variety. Pods five to six inches in length, deeply creased or saddle-backed, and borne in clusters. Are very fleshy and stringless; seed white and can be used as a shelled bean for winter use. Qt. 25c.; peck. $1.25; bush. $5.00.

Horticultural, Cranberry, or Wren's Egg. This is a popular old variety for either snapshrots or dry shell beans, and is the one most adapted for short seasons and cool locations. The vines are of strong growth and productive; pods four to five inches in length, one-half inch broad, thick and fleshy. As they mature, both the pods and dry beans become thickly striped with rich carmine markings. Qt. 20c.; peck. $1.25; bush. $5.00.

Red Speckled, Cut Short, or Corn Hill. An old variety, very popular for planting among corn, and will give a good crop without poles. Vines medium, not twining tightly, pods short, round and tender. Qt. 20c.; peck. $1.25; bush. $5.00.

Lazy Wife. One of the most productive and easily gathered of the Pole Beans, having its very discoutsaneous name. The stringless green pods contain 5 inches long and contain 6 to 8 round white Beans, which make excellent winter shell beans. Qt. 20c.; peck. $1.25; bush. $5.00.

Plant in rows 2 feet apart and six inches apart in the row, covering one and a half to two inches deep. The top of the stalk should be nipped off as soon as the plants begin to flower, as this produces earliness.

Broad Erfurt. The growth of this bean is entirely different from any of the ordinary varieties known. The plant is of robust, upright self-supporting growth, reaching a height of 30 to 40 inches, the pods are thick and well-filled with 4 to 6 large beans in the pod, some what larger than the ordinary lima. They are more hardy than most varieties of lima beans, and can be planted earlier and withstand the drought well. Qt. 20c.; peck. $1.25.

BEETS Mangel and Sugar

FOR STOCK FEEDING

4 lbs. to the acre.

The value of these for stock feeding cannot be overestimated. The results from their use are wonderful, as is already shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost and yield immense crops per acre if the soil is rich.

Danish Improved. They are rich in sugar and most desirable for stock feeding. Roots grow to a large size, of oval shape, and very heavy. The foliage is light green with leaf stalks and skin flushed with pink. ¼ lb. 15c.; 1 lb. 40c.

Mammoth Long Red. Very productive, often yielding 40 tons to the acre. It grows well above the ground and is easily pulled. It is the best long red mangel, and of great value for stock feeding. ¼ lb. 10c.; 1 lb. 30c.; 5 lbs. $1.25.

Golden Tankard. The best yellow Mangel in cultivation. It contains a larger percentage of sugar than the red mangels; very desirable and easily pulled. See illustration. ¼ lb. 10c.; 1 lb. 25c.; 5 lbs. $1.00.

Golden Giant Intermediate. Root intermediate between the long red and the globe-shaped. Flesh white, firm and sweet, much liked by cattle. ¼ lb. 10c.; 1 lb. 25c.; 5 lbs. $1.00.

Lane's Improved Sugar. An American variety and the best stock-feeding Beet known. It is not so sweet as the French Sugar Beets grown especially for sugar making, but the roots are longer and finer grained; very susceptible. Qt. 25c.; ½ lb. 10c.; 1 lb. 25c.; 5 lbs. $1.50. Special prices on large quantities. Correspondence solicited.

BORE COLE—See Page 11

No discounts, but the best values in dependable seeds


### Table Beets

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Early Flat Egyptian</td>
<td>The best variety for forcing and excellent for first early crop outdoors.</td>
</tr>
<tr>
<td>Crosby's Egyptian</td>
<td>The name of this variety is somewhat misleading.</td>
</tr>
<tr>
<td>Early Eclipse</td>
<td>A very early maturing beet especially desirable for the home garden.</td>
</tr>
<tr>
<td>Electric</td>
<td>Rich, red flesh, exceedingly tender and remarkably early.</td>
</tr>
<tr>
<td>(New) Crimson Globe</td>
<td>Upright growing tops, with few leaves and small neck.</td>
</tr>
<tr>
<td>Detroit Dark Red</td>
<td>A money maker for the gardener and unequalled for the table.</td>
</tr>
<tr>
<td>(New) Eurelia</td>
<td>A superb Early Beet; the roots grow three to four inches in diameter.</td>
</tr>
<tr>
<td>Edmund's Blood Turnip</td>
<td>This is a very good strain of Turnip.</td>
</tr>
</tbody>
</table>

### Dewing's Improved Blood Turnip

The leading main crop variety. Roots smooth, handsome, good size, tender and sweet. A favorite with marketmen. The seed we offer is grown from selected Beets and is unexcelled by any in the country. Pkt. 5c.; ¼ lb. 20c.; ½ lb. 75c.

### Long Blood Red

One of the finest Beets for winter and spring use; also on account of its great productivity and very valuable to grow for cattle. Sweet, crisp and tender; color rich red; withstands drouth. Pkt. 5c.; ¼ lb. 20c.; ½ lb. 60c.

### Swiss Chard

Cultivated for its leaves. The midribs are stewed and served as Asparagus, other portions of the leaf used for greens, same as Spinach. Pkt. 5c.; ¼ lb. 20c.; ½ lb. 60c.

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No discounts, but the best values in dependable seeds.
Carrots

Our Stock is grown from choice selected and transplanted roots only, and are of the truest type and richest color money can procure.

1 oz. to 150 ft. of drill; 4 lbs. to the acre.

Pride of the Market Carrot. (For descriptions see Chantenay, Modern, Chantenay)

Half-Long Orange. This favorite variety, so largely grown for market, originated with the gardeners of Danvers, Mass. The roots measure from one and a half to two inches in diameter, at the shoulder, by five to six inches in length, and hold their thickness well, being gently tapering and abruptly pointed at the base. Our strain produces roots uniformly smooth and of rich dark orange color; flesh fine grained and of the finest table quality. Pkt. 5c.; ½ lb. 40c.; lb. $1.25.

Danvers. The most remarkable thing about this variety, aside from its quality, is its enormous yield, and it is rapidly superseding the long-established Long Orange variety. Our stock is true, and will give greatest satisfaction to the growers. Pkt. 5c.; ½ lb. 40c.; lb. $1.25.

St. Vallerie, or New Intermediate. Roots very smooth and regular in growth, of large size, from ten to twelve inches in length, and two to three inches in diameter at the top, tapering gradually throughout. Roots coloring and free from hard core. Pkt. 5c.; ½ lb. 30c.; lb. $1.15.

Improved Long Orange. A standard late variety, with a beautiful and uniform in shape, deep orange color; good flavor; yields heavy. It requires a deep soil, and the plants should stand eight inches apart in eighteen-inch drills for roots to attain the full size. Pkt. 5c.; ½ lb. 30c.; lb. $1.00.

CAULIFLOWER—BLUMENTHAL

CAULIFLOWER, 1 oz., 1500-2000 plants.

Early Snowball. The best variety on the market. If planted March 1, large heads will be produced early in June, and scarcely a single head will fail to form. Its compact habit renders it a very marketable variety to force under glass, and it does well for late planting. Our stock cannot be excelled in quality. Pkt. 25c. and 50c.; oz. $1.50.

Extra Early Dwarf Erfurt. (Extra Selected) This is the choicest selected strain of the popular Erfurt type, and is remarkable for its extreme reliability in heading. Plants very dwarf. Pkt. 25c.; oz. $1.50.

Dry-Weather Cauliflower. Also known as Danish Giant and Gilt Edge. As its name indicates, it is especially adapted for growing in dry locations where all other roots fail to do well. The very large leaves furnish great protection to the heads and enable the plant to head up perfectly in dry weather. It matures about one week later than our Early Snowball. Pkt. 25c.; oz. $1.75; lb. $10.00.

No discounts, but the best values in dependable seeds
CABBAGE SEED

Our Cabbage seed is grown only from the center shoots and from carefully selected solid heads, and will insure a uniform crop.

Cabbage requires a deep, rich soil, high manuring and good culture, in order to obtain fine solid heads. For early use sow seeds of the early kinds in a hotbed or in a box in the house the last of January or early in February, and transplant them in open ground in April in rows two feet apart and eighteen inches between the plants in the row, or sow a bed of seed outside as soon as the soil can be worked, if you do not care for real early Cabbage. These may be transplanted in about four weeks. For second early Cabbage sow in April and transplant in May. For late Cabbage sow in May and transplant in July three feet apart and two feet between the plants in the row.

Selected Early Jersey Wakefield. The best early Cabbage in cultivation. It forms fine, solid heads of good size, conical in shape, with very few outside leaves, and of the best quality. We offer this as the earliest strain of this standard variety. Grown only from selected heads. Our strain is remarkably pure; always gives satisfaction. Pkt. 5c.; oz. 20c.; 1/2 lb. 50c.; lb. $1.75.

Charleston, or Large Wakefield. This is a selection from the Early Jersey Wakefield which will average about 20 per cent. larger. It is very compact in growth and can be planted in rows two feet apart and 20 inches in the rows. It is about one week later than the Jersey, a long keeper and fine shipper. Pkt. 5c.; oz. 20c.; 1/2 lb. 50c.; lb. $1.75.

Early Winnigstad. One of the best of the second early sorts, very hardy and sure heading. Owing to its compact and upright habit of growth and peculiar texture of its short, thick rich dark green leaves, the variety seems to suffer less from the cabbage worm than most other sorts. Head of medium size, sharply pointed, very hard and of excellent quality. Leaves covered with bluish white bloom. Keeps well both summer and winter. It is the hardest, not only as regards frost, but will suffer less from excess wet, drought, insects or disease than any other second early sort. Pkt. 5c.; oz. 20c.; 1/2 lb. 50c.; lb. $1.25.


(New) Copenhagen Market. It is well known that Denmark is a great Cabbage growing country, and the introduction of some of their varieties in this country have proved very valuable to our Cabbage growers. This superb New Cabbage is undoubtedly without a rival as the first large round-headed early Cabbage in cultivation. The stems are short, with large heads which average about ten pounds, and matures with the Charleston Wakefield, and will give a much heavier yield per acre than that well-known variety. Pkt. 10c.; oz. 50c.; 1/2 lb. $1.50.

New Glory Early. This fine Cabbage originated in Holland, is a wonderful compact plant with few outer leaves, so that a great number of fine, solid heads can be produced on an acre. It matures with the Charleston Wakefield, and is by far the best early sort for those markets that demand a large round or flat Cabbage. The plant is very hardy and has proved a great addition to the Cabbage family. Pkt. 10c.; oz. 20c.; 1/2 lb. 60c.; lb. $2.00.

Eureka First Early. This is a remarkable extra early variety of the flat type, maturing and ready for market with the pointed heads varieties. It is a Cabbage of excellent constitution, is healthy and not subject to disease. A reliable header and sure cropper. Oz. 15c.; 1/2 lb. 40c.; lb. $1.50.

New Leader Cabbage. For description and price see Eureka First Early.

Early Flat Dutch. An excellent second early variety, producing fine large heads after the first early varieties have disappeared. Highly valued both for its quality and ability to stand the hot sun and dry weather. Heads very solid, broad and round, flattened on top, tender and fine grained. Oz. 15c.; 1/2 lb. 50c.; lb. $1.75.

All Head Early. A compact, hard heading, flat variety, recommended principally for summer and early fall crop, but when sown late makes an excellent solid and good-keeping winter cabbage. Pkt. 5c.; oz. 20c.; 1/2 lb. 65c.; lb. $2.50.

New Early. For description and price, see All-Head Early.

Eureka First Early.
Early Summer Cabbage. Is about ten days later than the Wakefield, but, being double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. Oz. 15c.; ¼ lb. 40c.; lb. $1.50.

Henderson's Succession. About one week later than the Early Summer, but nearly double the size, while it can be planted nearly as close, its outer leaves being unusually short. One of its characteristics is the fact that it is always sure to head. Pkt. 5c.; ¼ lb. 65c.; lb. $2.50.

All Seasons. An "all-season" variety, equally good for fall and winter as for summer use; nearly as early as Early Summer, and much larger. The heads are large, solid, round, flattened on top, and of best quality. Pkt. 5c.; oz. 15c.; ¼ lb. 65c.; lb. $2.50.

Sure Head. The heads are firm and hard; keep well, and is a fine shipper, as its name indicates, a sure header and one of the best for late crops. Pkt. 5c.; oz. 15c.; ¼ lb. 65c.; lb. $1.75.

Lupton. A Grand Cabbage, combining the second early and late sorts. Strong in constitution, perfect in type, with all the fine qualities of early maturing varieties. The stalks are short; color dark green; very large heads in proportion to the size. It is firm, good and is a splendid keeper. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $2.00.

Danish Ball-Head, or Hollander. This variety has become very popular. The stalks are somewhat leggy, but the heads are the heaviest for its size we have ever grown; exceedingly solid and hard; a sure header; a good keeper, and when buried through the winter, coming out solid and in good condition in spring. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $1.75.

Autumn King, or World Beater. This is an extremely large and solid-heading variety, well suited for fall and winter. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.50.

New Danish Round Head. Compared with Danish Ball Head, has less outer foliage. The heads are larger in size and are set on shorter stalks, maturing two weeks earlier. They are extremely hard and solid, of sweet flavor and tender texture. It is very blight resisting and vigorous in growth during the hot summer and good keeper. Oz. 20c.; ¼ lb. 60c.; lb. $2.00.

Premium Flat Dutch. A standard and excellent variety, developing earlier than most late sorts, and not so good a winter keeper, but for fall use it is tender and of superior flavor. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Extra Large Late Flat Dutch. A superb heading winter Cabbage of most distinct type. The plants are of strong, sturdy growth; the head is surrounded by a spreading circle of large rounded blue-green leaves. These leaves serve as a saucer to catch the light rains or heavy dews and deliver them around the stalk to the roots. The stem is short, and the large round heads are "solid as a stone." From their great solidity they keep well when stored for winter use. Oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Imperial Drumhead Savoy. The hardest heading and best variety for early or late crop. This is the finest of the Savoy class and very distinct from all other sorts. Heads large, very compact, solid, and deliciously tender and sweet, and well adapted for either early summer or late autumn and winter crop. Surpasses all other sorts in hardness and keeping qualities. Entire "bliss" of it will keep in perfect condition until May. Oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Mammoth Rock Red. This is the largest and surest heading red cabbage yet introduced, and much better than the stocks offered as Red Drumhead. The plant is large with numerous spreading leaves. The head is large, round, very solid and of very attractive deep red color; nearly every plant will form an extra fine head. Pkt. 5c.; oz. 20c.; ¼ lb. 70c.; lb. $2.50.

Do not fail to include in your order New Glory, Kopenhagen Market, Danish Round Head and Danish Ball Head Cabbage. They make money.

No discounts, but the best values in dependable seeds
Sow the seed in a well-prepared soil as soon as the ground is in a proper condition to work. Sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. In order to secure stock plants, cut off the tops once or twice before transplanting, which should be about in July. Make the soil very rich with well-rotted manure, which should be dug in deep; a moist, low, rich bottom land or well-drained muck soil is preferable. Set the plants eight or twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the centre shoots. 1 oz. to 1000 plants.

White Plume. Selected strain, French grown. This is a very profitable extra early market variety, requiring little labor. It is solid, of fine flavor, and very ornamental. It matures three weeks earlier than other sorts, and it deserves unqualified praise, and calls for no apology. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.00.

New Giant Pascal. Developed from the Golden Self-Blanching, it retains the beautiful color. The stalks are very large, thick, solid, crisp, and of rich, nutty flavor, free from any taste of bitterness. It blanches very easily and retains color and fresh appearance long after being marketed. Pkt. 5c.; oz. 20c.; ½ lb. 50c.; lb. $1.75.

French Golden Yellow Self-Blanching. (Originator's Stock.) This is the best Celery for early use. Critical gardeners depend upon our stock of this sort to produce their finest early Celery. Plants of a yellowish-green color, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier. The handsome color, crispness, tenderness, freedom from stringiness and fine nutty flavor of this variety make it only necessary to be tried in order to establish it as the standard of excellence as an early sort. Pkt. 10c.; oz. $1.00; ½ lb. $3.50; lb. $12.50.

Winter Queen. This is the fine Dwarf Winter Celery, being quite similar to the Golden Self-Blanching, but of a rich green coloring like the Giant Pascal. It is more readily blanched than the latter, and ready for use or market much earlier in the fall. The plants make large bunches of extra heavy stalks with a large heart. The stalks are all of even length, and it makes the most handsome appearance of any variety when blanched. The stalks are very fine in flavor, of best table quality, and are of a rich golden-yellow when blanched. Pkt. 5c.; oz. 20c.; ½ lb. 40c.; lb. $1.25.

Perle Le Grand. A good early sort. Handsome, stocky, robust, rich nutty flavor, a long keeper. Oz. 15c.; ½ lb. 40c.; lb. $1.25.

Evans' New Triumph. This variety has a very strong and vigorous plant, with very large but crisp, brittle, tender and fine flavored stalks. It is late and requires the whole season to develop, but will keep longer than other sorts. We recommend it as worthy of the first place as a late Celery. Pkt. 5c.; oz. 15c.; ½ lb. 40c.; lb. $1.25.

Kalamazoo. A large sized, vigorous growing variety; stalks white, round and distinctly ribbed; very crisp, perfectly solid and of superior flavor; matures a little earlier than Giant Pascal. Pkt. 5c.; oz. 15c.; ½ lb. 40c.; lb. $1.25.

New Victory. One of the best keeping varieties. Oz. 15c.; ½ lb. 60c.; lb. $2.00.

Sweet Nut. Very high flavored; perfectly stringless. Oz. 15c.; ½ lb. 60c.; lb. $2.00.

Boston Market. For many years the most popular sort. It is a vigorous grower, and very blanching, and an excellent keeper. Pkt. 5c.; oz. 20c.; ½ lb. 80c.; lb. $1.25.

Golden Heart. A distinct variety of sturdy dwarf habit. It is solid, and an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making it exceedingly showy and desirable for either market or private use. Pkt. 5c.; oz. 15c.; ½ lb. 40c.; lb. $1.25.

New Giant Golden Yellow. Of recent introduction. The plants are more robust and grow faster than the French Golden Self-Blanching. It is of very compact habit with thick, solid and crisp heavily ribbed stalks. Free from the objectionable green and hollow growing plants. Pkt. 10c.; oz. 25c.; ½ lb. 90c.; lb. $3.50.

No discounts, but the best values in dependable seeds
CELERIAC—Knoll Zellerie

One ounce will produce about 2,000 plants. Produces turnip-shaped roots, which may be cooked and sliced and used with vinegar, making a most excellent salad.

Culture—Sow the seed at the same depth as common celery. Transplant the young plants to moist, rich soil, in rows two feet apart, and six inches apart in the row. Give thorough culture. As the roots are the edible portion of this vegetable, it is not necessary to earth up or "handle" it. After the roots have attained a diameter of two inches or over they will be fit for use. To keep through winter, pack in damp earth or sand and put in the cellar, or leave out of doors, covering with earth and straw, like beets or carrots.

CORN SALAD, or Fetticus

1 oz. will sow 20 square feet; 6 lbs. to the acre.

Ackersalat. A vegetable used as a salad. It is sown in the opening of spring in rows one foot apart and is fit to use in 6 or 8 weeks from sowing. If wanted in early spring, sow in September; cover with straw as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or sheltered and used any time during the winter. Large Seeded German, ½ lb. 15c.; 1 lb. 40c.

BORE COLE

Hardy Winter. This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves, which are densely curled and crimped. Besides being very hardy, it possesses the advantage of all other varieties in forcing a second crop of moss-curled leaves as soon as the first ones are cut or have fallen off. This new growth of second crop of Sprouts is of finest quality and is ready for market during the winter and early spring months, when it demands fancy prices. Oz. 15c.; ½ lb. 35c.; lb. $1.50.

Mossback. A half dwarf variety of a very distinct appearance. Its gracefully curled light green leaves are self-folding, which causes the heart to blanch to a beautiful yellow. It matures very early and is superior to all other strains in quality and flavor for fall use, and should be sheltered or gathered before frost. Pkt. 5c.; oz. 15c.; ½ lb. 40c.; lb. $1.50.

Dwarf Green Scotch. Is very dwarf and spreading. The leaves are beautifully curled and of a bright green color. Quite hardy and will remain green during the winter where the temperature does not fall below zero. Pkt. 5c.; ½ lb. 20c.; lb. 60c.

SUGAR CORN

FOUR TYPES OF THE HARDY EARLY ADAMS CORN.

First Early Neck. This variety can be planted earlier than any other; ear short, grain white. It is not a Sugar Corn, but, on account of its being largely sold for table use, we class it among the Sugar Corns. Ear 3c.; doz. 25c.; qt. 15c.; pk. 60c.; bushel $2.00.

Adams' Extra Early. Similar to the First Early Neck, larger, but a fraction later; a favorite variety for early markets. Ear 3c.; doz. 25c.; qt. 15c.; pk. 60c.; bushel $2.00.

Adams' Early. A splendid early variety and safe crop. Per doz. 25c.; qt. 15c.; pk. 60c.; bushel $2.00.

Improved Early Adams, or White Cob 65-Day. A distinct improvement over the Old Early Adams, fully as hardy; ears measure from 10 to 14 inches in length, with 12 or more rows to the ear. The grains are narrow and deep, of excellent table quality. Any portion of the crop not needed for the table will make fine ears for stock feeding. Qt. 15c.; pk. 60c.; bushel $2.00.

Red Cob, or Ninety-Day Corn. A distinct and well-known sort of white Corn; matures in about ninety days; produces large, handsome ears. It adapts itself to any kind of soil, and can be used green as a table corn or when dry for stock feeding. It may be planted for early market at intervals as soon as the frost is out of the ground until middle of July. Used by many truckers for late planting, as it produces a sure crop. Qt. 15c.; pk. 50c.; bus. $1.75.

CRESs, or PePPER GRASS

Sprinkle seed freely along shallow drills one foot apart, at intervals, through spring and summer, as desired. Curled Garden, 2 pkt. 5c.; oz. 20c.

WATER CRESS—WASSERKRESSE

It is easily grown by planting along the margins of ponds and streams, where it increases both by spreading of the roots and by seeding. Pkt. 10c.; oz. 20c.; ½ lb. 75c.

COLLARDS

This is a form of Cabbage grown in the Southern States. One ounce of seed will sow 300 feet of drill; two pounds per acre.

Georgia. A mass of leaves on a tall stem, which in the South grow all winter. Per pkt. 5c.; ½ lb. 15c.; 1 lb. 40c.

North Carolina Blue Stem. The plants grow about two feet in height and are thickly set with large spreading leaves. The fresh growth at the top of the stalk forms nicely blanched leaves, very tender and delicate in flavor. Per pkt. 5c.; ½ lb. 20c.; lb. 60c.

Be sure and give our new varieties a trial this season. They are of special merit in their respective classes.

No discounts, but the best values in dependable seeds.
For the convenience of our customers we have arranged the following list in order of the earliness.

**SUGAR CORN**

1 quart to 200 hills; 10 quarts, 1 acre.

(New) Morse's Golden Cream. It is of California origin, resulting from a cross between Country Gentleman and Golden Bantam. The kernels are long and pointed, which are irregularly formed on a very small cob. The habit of growth is rather dwarf, and the brownish red stalks bear two to four ears of a rich creamy color of unequalled flavor and quality, maturing with the very earliest. Price per lb. 30c.

Premo. World's earliest Sweet Corn. It not only combines all the merits of the leading early varieties, but it is also really superior to them all in size, quality and yield. Premo can be planted as early as the Adams, for the young plants withstand slight frosts, while other varieties are tender and the seeds will rot if planted before the soil becomes warm. The stalks grow about five feet high, and are very vigorous, generally bearing two well developed ears to a stalk. These ears measure one to two inches longer than those of Cory or Adams, and matures sixty days after planting. Qt. 20c.; pk. 90c.; bush. $3.25.

(New) Peep o' Day. Is of recent introduction, and is credited by many as being exceptionally early, comparing favorably with the Premo of unparalleled sweetness. The stalks bear from two to five ears each, and are very dwarf, which admits of their being planted close together. Qt. 20c.; pk. $1.00; bush. $3.25.

Earliest Sheffield. This new extra early Corn is the result of a cross between the Cory and Early Extra Adams. It combines the robust growth and extreme hardiness of the Extra Early Adams with the finer sugary quality of the Cory. Ears average six inches in length and are well filled with grains of medium size, arranged in ten or twelve regular rows. The grains are juicy and of fine, sweet flavor, if gathered at the proper stage. It is as hardy as the Adams, ready for use earlier, and of much finer quality. One of its strongest recommendations as a market variety is the entire freedom from smut, which destroys so much of the extra early Corn. Qt. 20c.; pk. $1.00; bush. $3.50.

Kendel's Early Giant Sweet Corn. This is not a mere novelty, but is of real merit. Ears large, measuring 8 to 10 inches long, having 10 to 12 rows on each cob; kernels pure white, sweet and tender. Qt. 20c.; pk. 90c.; bush. $3.00.

Perry Hybrid. A very early 12 rowed variety, growing only 4½ to 5 feet high, with ears set low on the stalk; large ears, well filled; very sweet and tender. Qt. 20c.; pk. 90c.; bush. $3.00.

Cory. The popular extra early Sweet Corn. Ears are fair-sized and of very fine quality. Qt. 20c.; pk. 90c.; bush. $3.00.

Trucker's Favorite Sugar Corn. Is a very desirable second early variety, of sweet and delicious flavor, producing a large ear well filled to the end. Qt. 20c.; pk. 90c.; bush. $3.00.

Shaker's Early. This is a superb early variety, with large, well-filled ears; the kernels are of pearly whiteness and most delicious sweet flavor. It is ready to market one week after Cory Corn, while the ears are very much larger, and it completely fills the interval between Cory and Stowell's Evergreen. It is very prolific, generally bearing three to four ears to the stalk. Qt. 20c.; pk. 90c.; bush. $3.00.

Country Gentleman. Very deep grains, small cob and exceedingly rich flavor. Often produces three to four ears to the stalk. The grains are staggered on the cob, leaving no signs of rows. Qt. 20c.; pk. 90c.; bush. $3.50.

Dobbin's Early Evergreen. The ears of this new Corn grow 8 inches long; are mostly 14 to 16 rows. It ripens 10 to 12 days in advance of Stowell's Evergreen and is equally so for all purposes. The kernels are very sweet and tender. The cob is small, with irregular rows. Qt. 20c.; pk. 90c.; bush. $3.00.

Early Mammoth. Resembles very much the late Mammoth; the ears are fully as long, but more tapering, and ripens two weeks earlier. Qt. 20c.; pk. 90c.; bush. $3.00.

The Sugar or Sweet varieties should not be planted until May, or when the ground has become warm, and for a succession every ten days or two weeks, until the last of July, in hills—for early varieties, 2x3 feet, and for the late, large kinds, 3x3 feet. Give frequent and thorough cultivation. Allow five to six grains to each hill, but never allow more than three plants to stand.

Stowell's Evergreen. Grown more extensively than any other; a favorite with canners and market gardeners for late use. The ears are of large size, kernels very deep, tender and sugary; very productive and remains a long time in fit condition for table use. Our stock is absolutely pure and true to name. Qt. 20c.; pk. 90c.; bush. $2.75.

White Evergreen. This valuable Sweet Corn possesses all the good points of our Eastern-grown strain of Stowell's Evergreen, with the additional advantage that in the green state both cob and grains are pure white. The quality is of the very best. There is nothing in late Corn that can equal it. The stalks are strong and vigorous, the ears are very large and uniformly well filled to the tip with long slender grains of the most delicious flavor. Our stock being grown from the originators, is absolutely pure and as good as can be had. Qt. 20c.; pk. 90c.; bush. $3.00.

Late Mammoth. This variety produces larger ears than any other Sweet Corn; very weighty and profitable for canners selling by the ton. Qt. 20c.; pk. 90c.; bush. $2.75.

No discounts, but the best values in dependable seeds.
CORN—Field Corn

The following varieties have all been grown especially for seed. The Seed is well cured and true to name.

Golden West. Is one of the most vigorous growing varieties that we know of. The stalk is of medium height. It is the deepest-rooted Corn that we know of.

The ears have usually 18 to 20 rows. It is the most attractive appearing Golden Yellow Corn that we know of. The kernels are of such shape that they wedge in tightly and make a solid ear, not only at the base, but also down near the point or germ end. It matures in about 100 days, thus making it a safe corn to plant, and we claim that it will yield a larger crop than any other Yellow Corn in existence. Pk. 50c.; bush. $1.25.

Pride of the North
Is the very Earliest Yellow Dent Corn in cultivation, and can be successfully grown farther North than any other Dent. Originated in extreme Northern Iowa. Ripens readily in New England. Matures perfectly in 90 days; very hardy and prolific: ears of uniform size, cob small, kernels closely set on the cob, and are long and compact. Peck 40c.; bush. $1.25.

Iowa Gold Mine. Ears of good size, color golden yellow, grain beautiful, very deep, cob small. Specially recommended for its productiveness, often bearing two large ears to a stalk. Peck 50c.; bush. $1.50.

Chester County Mammoth. The ears are very large and well formed, with grain large, deep and of a bright yellow color. Stalks averaging from ten to fourteen feet. Pk. 40c.; bush. $1.25.

Red Cob, or Ninety-Day Corn. A distinct and well-known sort of white Corn; matures in about ninety days; produces large, handsome ears. Pk. 50c.; bush. $1.25.

Early Mastodon Dent. An early strong-growing yellow Corn with large, deep grains and long ears. Pk. 50c.; bush. $1.50.

Iowa “Silver Mine Dent” Corn. The ears measure from ten to twelve inches in length, and often weigh 1½ lbs. They are very uniform in size and shape, with sixteen to twenty straight rows of deep, pure white kernels on a small white cob. It matures in about 100 days. Heavy yielder. Pk. 40c.; bush. $1.25.

Maryland White Dent. An old standard variety and great favorite by every farmer who has grown it. The stalks are of a strong growth, bearing from one to two large ears, which have 10 to 12 rows to the cob. Grain is pure white and of fine quality. Pk. 40c.; bush. $1.25.

Hickory King. Largest grains of any white variety. Maturing in a very productive ear; set low, are of large size, well filled, very deep grained. It produces well, even on light land. Peck 50c.; bush. $1.50.

POP CORN

White Rice. The best variety for popping purposes; grains pointed, pops white and full, is very productive and of excellent quality. Lb. 5c.

Queen's Golden. This is one of the hardiest and most productive varieties, stalks growing six feet in height, with numerous long, slender ears, well filled with small, round, golden yellow grains. When popped it is a creamy white and a single kernel will frequently expand to nearly an inch in diameter. Lb. 5c. If sent by mail, add 8c. per lb.

No discounts, but the best values in dependable seeds.
CUCUMBERS—Gurke

Evergreen Extra Long White Spine. This is a strain of White Spine Cucumber with longer fruit than the old type. The Cucumbers grow in inches long and are straight and handsome and of fine quality, and retain their green color, for a long time. Matures a little later than the early strain, but the fruit is larger and handsome. One of the best varieties. Oz. 15c.; ¼ lb. 25c.; lb. 50c.

Cumberland. This new pickling variety was produced by a cross between White Spine and Paris Pickling. It combines the slim, straight shapes, fine spines and crisp flesh of the Paris Pickling with the vigor and productiveness of the White Spine. The fruit is covered with fine spines except at the stem end. It makes a very fine quality of pickles, becoming of best shape, and good deep green and crisp. The vines are healthy and productive. Oz. 5c.; ¼ lb. 15c.; lb. 50c.

Early Cyclone. It is not only the earliest Cucumber in the market, it also matures six weeks ahead of White Spine, but it is of the desirable White Spine type, being shorter, thicker and holding better its deep green color than any other early Cucumber in cultivation. It is very prolific and grows in bunches of three and four of uniform size and shape. A single hill will sometimes produce from 10 to 12 shapely Cucumbers. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Boston Pickling, or Green Prolific. Its characteristics are its uniform growth, seldom yielding Cucumbers too large for pickling, and its immense productiveness. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Jersey Pickle. In size between the Half Long and Long Green, and is used extensively by pickle growers, being productive and of deep green color. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Evergreen White Spine. It is a fine variety of white spined cucumber, being tender and crisp, productive and of fine quality. It is a very desirable variety for pickling and canning. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Long Green. Our carefully selected strain, under favorable conditions, produces fruit averaging from 12 to 14 inches in length. Skin is a deep rich green, flesh solid, crisp and of excellent quality. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Japanese Clusters. A variety of Cucumber developed in Japan, and best suited to the climate of the United States. The fruit is thin and long, with yellow skin and green flesh. The varieties are prolific and productive. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Gherkins, or Burr. Very small, quite distinct from all others. It is grown on the vine and pickled when young and tender. Pkt. 5c. and 10c.; ¼ lb. 25c.; lb. 75c.

Improved Arlington White Spine.

Early Green Cluster. A short, prickly variety bearing clusters; prolific; fine for bottle pickles. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Arlington White Spine. These cucumbers are very regular in outline, uniform in size, averaging seven to eight inches in length, straight and of rich dark green color. Flesh white, crisp and solid, with comparatively few spines. Vines of vigorous growth and very productive. Per pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Klondike. Of recent introduction, has already become a favorite with market gardeners and shippers all over the country. The vines are very thifty, blight resistant and sure setting. They bear profusely and continually when other varieties have died away. The handsome dark green cucumbers average seven inches long and two inches in diameter, and demand the highest price offered on any market. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 50c.

New Davis Perfect. This new variety has several points of exceptional merit to its credit—extreme earliness, dark green color, regular in size and very prolific. It is almost seedless one-third of the length from the stem end, is unsurpassed for slicing and resembles very closely a hothouse Cucumber. Oz. 10c.; ¼ lb. 20c.; lb. 60c.

Fordhook Famous. This new extra long White Spine cucumber produces perfectly smooth, very dark green, handsome straight fruit, measuring 12 to 17 inches long. They are always solid, flesh being a greenish white, firm, crisp and of most delicious flavor. It is a great cropper and fruit is full of flesh with but few seeds. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 60c.

While we offer no premiums or draw back checks, we are prepared to save you from 10 to 25 per cent. on your Seed Bill and assure you of getting the Best Seeds and Best Service.

No discounts, but the best values in dependable seeds
EGG PLANT—Eierfrucht

1 oz. will produce 1,000 plants.
Sow in March in hot beds, and transplant when two inches high into a second hot bed, or let them remain and thinn out to four inches apart. When the weather becomes settled, transplant into the open ground three feet apart each way. Good culture is quite as important as good seed. Work the ground deep, make it rich with well-rotted manure and hoe often.

Black Beauty. **The most beautiful and earliest of all large Egg Plants.** Pkt. 10c.; oz. 30c.; ¼ lb. $1.00; lb. $3.00.

New York

**Improved Purple.**
Oval shaped, thornless, dark purple color and rich flavor. Pkt. 10c.; oz. 25c.; ¼ lb. $2.50.

New Mammoth

**Smooth Stem.**
This superior strain is a decided improvement on the New York Large Purple in quality, size and great beauty of the flowers. The plants are large and vigorous, leaves of a light green shade, tall, smooth, fruit large, oval early and of a fine deep purple. Pkt. 10c.; oz. 25c.; ¼ lb. 90c.; lb. $3.50.

ENDIVE—Endivien

1 oz. to 100 feet of drill; 3 lbs. to acre

KALE—Blatterkohl

For broadcast, 2 to 3 lbs. per acre. For transplanting, 1 oz. to 400 ft. of drill. Long Standing, or New American Kale. **This beautiful deep green curled variety combines two important features, hardy as the Siberian and extra curled, and like the well-known Curled Scotch.** Superior to all other sorts and desirable for forcing, close to their leaves, so that the neck may become blanched.

Early White Vienna. **Excellent for forcing and of fine quality.** The bulbs grow to the size of an apple when ready for use, and are of a pale whiteish green. They are of delicate cabbage-like flavor. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.00.

Impr. Kohl-Rabi

**KOHLE-RABEN**

1 oz. will produce 1,500 plants.
This forms a bulb above the ground and its flavor mingles in the peculiarities of the Cabbage. Sow in April in rows eighteen inches apart, thinning out to eight inches between the plants.

Ever White Curled. **By far the most beautiful variety.** Plants moderately dense; leaves coarser than those of the Green Curled, but the mid-rib yellow and the leaves frequently almost white, so that the plants are very attractive and always bring the highest prices on the market. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.00.

Green Curled. **This is the hardest variety, and very desirable for the home and market garden.** The deep green leaves are beautifully cut and curled, easily blanched and become very crisp, tender and fine flavored. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.00.

LEEK—Lauch

1 oz. to 50 yards of drill.
Sow early in the spring in drills 1 inch deep and 12 inches apart; when about 6 inches high transplant into deep, rich soil, 6 inches apart; use a dibble and plant deeply, close to their leaves, so that the neck may become blanched.

Large London Flag. **A favor-**

Monstrous Carentan, or Scotch Champion.

Of extra large size; the leaves are fan-shaped, of a dark green color; the edible stem is 6 to 8 inches long and 3 inches in diam-

No discounts, but the best values in dependable seeds
LETTUCE—Lattich

1 oz. to 2,500 plants; 3 pounds to acre.

For early spring sow in a seed-bed in September or October, and protect through the winter with cold frames. Seeds sown in hotbeds in March will, if kept from cold, make good plants in April. Transplant in good rich soil in rows 18 inches apart, and 8 to 10 inches in the rows. For a later supply, plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance.

May King (New). A very early new variety, forming fine large solid heads 6 to 7 inches in diameter in a few weeks after planting, of excellent quality and desirable for growing either under glass or outdoors, where it very early matures. In cool weather the edges of these outer leaves are lightly tinged with brown. We recommend this new strain for first early spring planting, and again during August and September for fall use. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Earliest Tennis Ball, or Boston Market. Earliest and suitable for forcing under glass. A first-class variety and one of the best Lettuces for forcing under glass or early planting outdoors. Plants medium sized, having thick, dark green leaves, and well grown forming very solid heads, the inner leaves being blanched to a rich creamy white and exceedingly crisp, tender and rich flavored. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 75c.

Large White Loaf. This is a standard variety among truckers for planting early in the spring or fall to stand out over winter. It is an exceedingly early heading variety, compact, tender, solid head and of fine quality. Pkt. 5c.; oz. 15c.; ¼ lb. 25c.; lb. $1.00.

Hanson. The plant is compact and forms a large, flat, cabbage-like head, and is so slow to form a seed stalk that it often fails to seed at all. Outer leaves bright green, with prominent light colored veins; inner leaves white and usually curved and twisted at the base; very tender and sweet; a favorite variety for home use. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 90c.

Unrivaled Lettuce. This new lettuce might well be called an improved Big Boston. It is rapidly coming into favor with market gardeners in sections where the Big Boston does well. Its usefulness and value are identically the same as Big Boston, but it is preferred by market gardeners because of its being a solid green color with no brownish tinge at the border of the leaves; its heads are larger and of better appearance than Big Boston. Crop very short. Pkt. 5c.; oz. 25c.; ¼ lb. 50c.; lb. $2.00.

Big Boston. This is a fine forcing variety for cold frames during the winter months, as it produces heads of very large size, often 12 in. or more across, and succeeds better in cooler temperature than most forcing strains. The large heads are beautifully blanched and of superior quality. It also heads well in the open ground during cool weather of spring and fall, and has lately become popular in the South to grow for shipping North. Our seed is an extra selected strain of the true stock. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Mammoth Black-Seeded Butter. Solid and of most excellent quality. A strain of large, smooth-leaved head Lettuce, forming large, solid, Cabbage-like heads of thick, brittle leaves, inner ones becoming very white, tender and fine flavored. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. $1.00.

Big Head. Plants of extra large growth, producing heads of immense size under favorable conditions. The heads are very large and closely folded. Inner portion is beautifully blanched, and stands for a considerable time before running to seed. Outer leaves a light green. We offer an extra choice strain. Pkt. 5c.; oz. 15c.; ¼ lb. 35c.; lb. $1.00.

Stonehead, or Stubborn Seeder. Grand mammoth hard-heading Cabbage Lettuce. Plants twelve inches across with extra large, solid, round heads that are particularly rich and buttery in flavor; always well blanched and tender. The inner leaves are beautifully white and curled like a fine Savoy Cabbage. Splendid for summer use, both for the home table and for market. Most highly recommended. Pkt. 5c.; oz. 15c.; ¼ lb. 35c.; lb. $1.00.

Stone Head, or Stubborn Seeder.

We are Specialists on LETTUCE SEED
AND OUR STOCK IS FREE OF SPORTS.

No discounts, but the best values in dependable seeds
LETTUCE—Continued

Mammoth Salamander, or Satisfaction.
A very bright green and attractive variety. It forms large, solid heads, composed of thick, smooth, very tender leaves, the inner ones finely blanched and all of the finest quality. It remains a long time in head before running to seed. Pkt. 5c; oz. 10c.; ¼ lb. 30c.; lb. $1.00.

Mann's Defiance Summer. This variety, introduced by us several years ago, has made a very eventful impression upon the grower, as well as the consumer. In appearance it outclasses all others. It forms handsome, solid heads of enormous size, almost as large as cabbage heads, which remain in good salable condition long after all others have gone to seed. The flavor is excellent; the leaves are a beautiful light green. Very profitable for market gardeners. Oz. 20c.; ¼ lb. 50c.; lb. $1.50.

Farmers' Pride Lettuce. A beautiful all-the-year-round Lettuce. Oz. 15c.; ¼ lb. 30c.; lb. $1.00.

Premium Cabbage. Well formed, good flattened, of fine quality, one of the best all-the-year-round Lettuces. Pkt. 5c.; oz. 15c.; ¼ lb. 30c.; lb. $1.00.

Sensation This variety is remarkable for its character of forming close, hard heads, even in an early stage of growth. Color yellowish green; quality very fine, being crisp and tender. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

LOOSEHEAD, OR CUTTING VARIETIES.

Grand Rapids. (Seed black.) As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list, being of quick growth, hardy, little liable to rot and remaining in condition several days after being cut. The plant is upright and forms a loose cluster of large, thin, bright green leaves, savoyed, finely crinkled at edges. The leaves do not wilt quickly after cutting, so that the variety will stand shipping long distances better than most sorts. Very attractive and desirable for garnishing. Package 5c.; oz. 15c.; ¼ lb. 30c.; 1 lb. $1.00.

Mann's Defiance Summer Lettuce.

Cos, or Celery Lettuce

Paris Self-Folding White Cos.—Grows to very large size, producing long-pointed, compact bunches. The outer leaves are closely folded about the center and interior is well blanched. Pkt. 5c.; oz. 15c.; ¼ lb. 30c.; lb. $1.00.

Baltimore Oakleaf. This is a great improvement upon the old variety. Instead of the loose, green oak-leaved-shaped plants, of inferior quality and taste, we are offering in this new strain a well-compact, large-headed, round leaved variety of a beautiful light green color, which remains in fine condition long after other varieties have gone to seed. It is very hardy and largely used by market gardeners for late planting to stand out over winter and develop large, solid heads very early in the spring. Oz. 15c.; ¼ lb. 30c.; lb. $1.00.

All Seasons. One of the best all-head Lettuces standing the hot sun to a remarkable degree, slow to seed, handsome in appearance. The outer leaves are a bright soft green; the finely blanched inner leaves are a rich golden yellow, tender and mild in flavor. The heads are broad and nearly flat at the top; they continue to increase in size for about two weeks after they are ready for use. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

No discounts, but the best values in dependable seeds
MELON—Musk or Cantaloupe

1 oz. for 60 hills; 3 lbs. to the acre.

All Melons thrive best in a light, dry, sandy soil. Sow after all danger of frost is past in hills six feet each way, ten seed in a hill. When the plants have made the second pair of leaves, and all danger of insects is past, thin out four to a hill. If the plants grow very rank, the tips of the leading shoots should be pinched off when about three feet long.

GREEN-FLESHED VARIETIES.

Knight's Early Maryland. This very early Cantaloupe, in the hands of the Anne Arundel county growers, has placed this county in first rank for producing melons of unequalled quality. Baltimore shippers supply all large cities with this superior Melon at good prices. The melons are oblong, heavily netted, average 7 to 8 inches long and 3 to 6 inches in diameter; flesh thick light green and very sweet; matures 10 days earlier than Rocky Ford. The seed we offer is private stock. Pkt. 5c.; ¼ lb. 90c.; 1 lb. $1.00.

Baltimore Nutmeg. One of the best all-round melons in cultivation, and recommended for its uniform shape and size and fine quality. Is slightly pointed at stem end; somewhat ribbed and coarsely netted. The flesh is thick, green and very sweet. Pkt. 5c.; ¼ lb. 15c.; 1 lb. 50c.

Champion Market. A splendid variety of the Netted Gem type, producing fruits nearly three times as large. They are regular in form, nearly round, averaging eight inches in diameter, with well-netted ribs, thick light green flesh, with very thin rind and true Netted Gem flavor. Pkt. 10c.; ¼ lb. 20c.; 1 lb. 60c.

Extra Early Jenny Lind, or Jersey Button. This is an improved type of Jenny Lind. There is a distinct knob or button growing out of the blossom end, as if the fruit had attempted to make a second growth. This growth is a peculiarity of the earliest ripening strain, and indicates the finest flavor, not often found in any other melon. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 50c.

Extra Early Hackensack. The fruit is medium size, nearly round, deeply ribbed, with very coarse netting. Pkt. 5c.; ¼ lb. 15c.; 1 lb. 40c.

Rocky Ford, or Netted Gem. This has become one of the most popular of all small or basket Melons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh light green, very thick and highly flavored. We offer an exceptionally fine stock of this sort, the fruit being wonderfully uniform in shape and quality. Pkt. 5c.; ¼ lb. 15c.; 1 lb. 40c.

Eden Gem. This might be described as a larger fruited oval or oblong melon of the Rocky Ford type. The melons are regular in size and form, averaging about six inches in length by five inches in depth at the center, and a little over two pounds in weight. The skin is light golden and heavily netted. The meat is very thick, light green in color, melting in character, but firm enough for long distance shipments. Per pkt. 5c.; oz. 10c.; ¼ lb. 25c.; 1 lb. 75c.

SAWN-FLESHED VARIETIES.

Tip-Top. It is a yellow-fleshed Melon of the very best quality; every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, eatable to the very rind. It is a strong grower and a heavy yielder, and of handsome appearance. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; 1 lb. 75c.

Paul Rose, Petosky, or Salmon Flesheed Gem. This is the original salmon flesheed "basket" melon. It holds the same place in the salmon flesheed sorts as the Netted Gem does in the green flesheed. Pkt. 5c.; ¼ lb. 20c.; 1 lb. 60c.

Burrell Gem. Of sweet and aromatic flavor, oblong shape, smoothly rounded ends, closely netted and slightly ribbed, dark green skin. Fruits average 6 inches long by 4 inches deep. Very fine for marketing. Pkt. 5c.; ¼ lb. 20c.; 1 lb. 60c.

Emerald Gem. Ripens early; medium size; nearly round; flesh a delicate light salmon color, very thick, fine grained and of superb flavor. The rind is thin, dark green, ribbed, slightly netted. Pkt. 5c.; ¼ lb. 15c.; 1 lb. 40c.

Hoodoo. The fruits average nearly round. The netting is exceptionally dense. The rind, although thin, is so very firm that the melons arrive in distant markets in perfect condition. The flesh is very thick, highly colored and of most delicious flavor. Pkt. 5c.; ¼ lb. 25c.; 1 lb. 75c.

Citron for Preserves. Fruit round and smooth. Is not eaten raw, but is used for making a very clear, transparent preserve of peculiarly fine flavor. Flesh white and solid. Large pkt.
WATERMELON—Wassermelone

Cultivate exactly as for Cantaloupe, except that the hills should be 8 to 10 feet apart.

Kleckley's Sweet, or Monte Cristo.

This very popular melon is one of the best for nearby markets. Fruits are medium size, oblong, of a dark green color and have very thin rind. Flesh bright scarlet with solid heart, crisp, sugary and melting, and entirely free from stringiness. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

Halbert's Honey. Fully equal in quality to Kleckley's Sweet, which it resembles. It is more even in outline, blunter at the ends and the skin is of a richer, darker color. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

Tom Watson. A large long melon with dark green rind and light crimson flesh of excellent quality. It is a splendid shipper and is being grown extensively in the South for Northern markets. The seeds are brown tipped with white. Pkt. 5c.; ¼ lb. 20c.; lb. 75c.

Alabama Sweet. This excellent shipping melon is the leading sort grown by Texas and other Southern melon growers. The rind is dark green marked with a still darker green mottled stripe, and while thin it is very tough, making the melon a first-class shipper. The flesh is bright red, fine grained, sweet and luscious, entirely stringless and very firm. The seeds are white, slightly tipped with brown, and are firmly set in small cavities near the rind. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

Florida Favorite. Fruit long, dark green, mottled and striped with a lighter shade. Rind thin but firm. Oz. 5c.; ¼ lb. 15c.; lb. 60c.

Triumph. A splendid shipping variety of large size and handsome appearance. The melons are rather shortened in form, but thick in section. They are bluish green, with dark-red flesh of good quality. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

Dark Icing. Skin dark green indistinctly veined with a lighter shade. Fruit almost round. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

Shaker Blue. Melons grow as large as that great shipping variety, the Triumph, but are very much better flavored and even handsomer in appearance. The melons are a round oval in form, from sixteen to eighteen inches long by twelve to fifteen inches in diameter. Well-grown melons average forty to fifty pounds, but frequently there are some that weigh from sixty to eighty pounds each. The rind is dark green, striped with narrow bands of a lighter green, and when ready for shipping the melons are seemingly a solid dark-green color. The flesh is red, the heart large, with no core, and the flavor superb. For shipping to distant markets this melon is most satisfactory. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

We are large producers and contractors of Onion Sets, with best facilities for handling large quantities. Prices quoted below are subject to market changes.

Choice Yellow Danvers.
Qt. 10c.; bush. $1.75.

Choice Yellow Strasburg.
Qt. 10c.; bush. $1.75.

Choice White Silver Skin.
Qt. 15c.; bush. $2.25. 
If sent by mail, 10c. extra per quart. Plant in drills 12 inches apart and 4 in. between the sets.

OKRA, or GUMBO

10 lbs. to a acre.
Sow in drills during April and May. Thin until plants are 12 inches distant, and draw earth to the stems for support.

Improved Dwarf Green Prolific, or Density.
A distinct variety growing about fourteen inches high. Grown in competition with the ordinary dwarf. It produces twice the number of pods, which are very smooth and beautiful. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

White Velvet. Pods are large, perfectly smooth. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

Perkins' Mammoth Green Pod. A splendid variety. Grown in all sections, with slender long green pods of best quality and most desirable color for canning. Pkt. 5c.; ¼ lb. 15c.; lb. 60c.

Mushroom Spawn

Culture directions sent with the Spawn. Can be grown in cellar, under greenhouse benches, etc.

English Mill Track Spawn. Per brick 15c.; per lb. 10c.; 100 lbs. $8.00. 
If sent by mail, add 8c. per lb.

American Pure Culture Spawn. Produced by special process and considered to be the very best by most of the large growers. Per brick 20c.; 100 bricks $15.00. Bricks weigh about 1-2 lbs. each.
If sent by mail add 8c. per lb.

MUSTARD

Southern Giant Curled. The true curled-leaf variety, so popular in the South for planting in the fall to furnish an early spring salad. Those who do not care for Mustard as a salad will be delighted with the leaves if cooked like spinach, as the flavor is much superior to that of spinach. Pkt. 5c.; ¼ lb. 20c.; lb. 60c.
MANNS' SUPERIOR ONION SEED

MANNS' SUPERIOR ONION SEED

AMERICAN

GROWN

1 oz. to 100 feet of drill; 4 to 5 lbs. to acre.

The Onion must have a clean and very rich soil. Use well-rotted manure freely, and get the seed in as early as possible in the spring, no matter if it is cold and unpleasant. If Onions do not get a good growth before hot, dry weather, the crop is sure to be a failure. Keep the soil mellow and clear of weeds. Sow in shallow drills, not less than a foot apart nor more than half an inch deep. As Onions grow on top of the ground, they may be allowed to remain pretty thick, no matter if they crowd each other. In hoeing destroy weeds and keep the ground mellow; do not cover the young bulbs with earth. It is useless to try to grow onions on poor, unsuitable soil. Three days of neglect when the weeds are growing rapidly will sometimes ruin a crop, and a week too late in sowing makes the difference between a good and a bad harvest. With proper manuring, Onions can be grown on the same land for a score of years, and it will become cleaner and better every year.

**Australian Brown.** An early and very hardy variety which does especially well in the South. Should be planted early, on low, wet grounds, to get large bulbs. The skin is thick and the color is a rich brown. Is especially noted as a long keeper, as it keeps well into spring and much longer than other varieties. Pkt. 5c.; 1/4 lb. .40c.; 1 lb. $1.00.

**Australian Yellow Globe.** It is a fit companion to the now well-known Australian brown. The bulbs are globe-shaped, with a light brown yellow skin. Solid and heavy. Oz. 15c.; 1/4 lb. 35c.; 1 lb. $1.00.

**Red Wethersfield.** Large sized, somewhat flattened; skin deep red and very hardy. Oz. 15c.; 1/4 lb. 40c.; 1 lb. $1.25.

**Yellow Dutch, or Strasburg.** The most popular and best variety for set purposes. In similar to the Yellow Danvers Flat in color and size, but as a set onion it has the quality of ripening down earlier and more uniformly. Pkt. 5c.; 1/4 lb. 25c.; 1 lb. 50c.

**Yellow Danvers Flat.** A splendid Onion for either market or home use: more flat than the Globe Danvers. Oz. 10c.; 1/4 lb. 25c.; 1 lb. 50c.

**Yellow Danvers Globe.** Our superior stock of this celebrated variety is of fine round shape. It grows to good size, with thin yellow skin, white flesh, fine grained and excellent quality. It ripens early, keeps well and is very productive. Pkt. 5c.; oz. 15c.; 1/4 lb. 25c.; 1 lb. 50c.

**Mammoth Silver King.**

The large bulbs are of attractive form, flattened, but quite thick through, with silvery white skin, frequently measuring 20 inches in circumference. It ripens quite early, coming just after Onions grown from sets are gone. Must be sown thinly to produce large Onions. Our stock is true American, grown of finest strain. Oz. 15c.; 1/4 lb. 40c.; lb. $1.40.

**White Silver Skin, or Portugal.** This is the most popular variety of all white Onions; is almost exclusively used for growing sets. It is a good keeper. The bulbs grow to good size, ripening early and quite evenly. The flesh is mild and sweet, the thin skin a clear silvery white, of handsome appearance if the bulbs are gathered as soon as ripened, and carefully dried under shelter away from the strong sunlight. When seed is sown at the rate of 20 to 25 pounds per acre it makes bulbs of suitable size and most desirable for pickling. Pkt. 5c.; oz. 20c.; 1/4 lb. 40c.; lb. $1.40.

**White Pearl.** Very fine and very early variety. Bulbs when well grown are round and flattened, with a delicate pure white skin; flesh very mild in flavor. In the South this variety is largely planted for sets. Pkt. 5c.; oz. 20c.; 1/4 lb. 40c.; lb. $1.40.

**Chives.** Chives are perfectly hardy perennial plants of the onion type. They are grown for their small leaves, which are produced very early in the spring, for giving a mild onion flavor to various dishes. The tops appear early in the spring, and can be snipped off close to the ground as needed. They can be grown also in pots in a sunny window during winter. Pkt. 5c.; oz. 20c.; 1/4 lb. 40c.; lb. $1.40.

No discounts, but the best values in dependable seeds.
PARSLEY—Petersillie

1 oz. to 150 feet of drill.

Sow in rows 1 foot apart and one inch apart in the row. The seed is slow to germinate, and should be given the most favorable conditions. A deep, rich, loamy soil is required. For winter use a few plants placed in a box in the cellar will give a supply.

Extra Dark Moss Curled. The large leaves are very heavily cramped and curled, being quite moss-like in appearance and of a peculiarly rich extra dark green coloring. Very productive and most attractive as a garnish, both on account of this green coloring and fine mossy appearance. Pkt. 5c.; ¼ lb. 25c.; lb. $1.00.

Fine Double Curled. Plants of dwarf, compact growth, and the young leaves have the edges heavily cramped, being of quite moss-like appearance. Pkt. 5c.; ¼ lb. 20c.; lb. 75c.

Extra Curled Dwarf, or Emerald. The plants are of dwarf, compact growth, while the leaves are of a handsome bright green coloring, very finely crimped and curled, of a most ornamental appearance. One of the finest for garnishing or flavoring. Pkt 5c.; ¼ lb. 25c.; ½ lb. 75c.

Turnip-Rooted, or Hamburg. The edible portion of this variety is the large swollen or fleshy root, which resembles the top of a Parsnip, and is highly esteemed for flavoring soups, stews, etc. As the root is the portion desired, the young plants should be well thinned out. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; ½ lb. 75c.

PARSNIP—Pastinake

Parsnips are well known as a delicious table vegetable, but their value for the purpose of feeding cattle and stock is but little appreciated. The parsnip is rich in saccharine food, which adds greatly to the richness of the milk when fed to cows, while the fresh, succulent roots increase the flow of milk as greatly as does the use of fresh, green food in the spring. It is especially valuable for its nutritious value and its wide and excellent keeping quality. The young tops are invaluable for pickling.

1 oz. to 150 feet of drill.

Sow as early in the spring as the weather will permit, in drills fifteen inches apart and half an inch deep. In rich, well-manured ground, well dug. Cultivate similar to Carrots. and thin out to six inches apart in the rows. To keep well in the ground over winter, draw a little earth over the tops.

Hollow Crown, or Large Sugar. The best variety in cultivation for general use; roots white, smooth, of intermediate length, sugary and of excellent flavor. Pkt. 5c.; ¼ lb. 20c.; lb. 75c.

Improved Guernsey. An improved strain, which has given general satisfaction. The roots do not grow so long as those of the Hollow Crown, but are of greater diameter and more easily gathered. Of excellent quality. Pkt. 5c.; ¼ lb. 20c.; lb. 75c.

Chinese Giant. Plants are of strong, vigorous growth, eighteen inches to two feet in height and thickly set with immense scarlet fruits. These are five to six inches in length and of equal diameter. In the shorter fruits the breadth is frequently greater than the length. The flesh is quite thick, crisp and of mild, sweet flavor. Can be eaten raw as you would a tomato. The enormous fruits yield but little seed. Pkt. 10c.; oz. 40c.; ¼ lb. $1.25.

New Neapolitan. This is the earliest sweet, large red pepper of the Ruby King type known. It is very prolific and the fruit averages four inches long and four and a half in circumference. The plants are very strong, growing to a height of two feet, and measure eighteen inches across. The skin is bright red and very fleshy. Pkt. 10c.; oz. 50c.; ½ lb. 70c.; lb. $2.50.

Long Red Cayenne. Pods small, cone-shaped, exceedingly acrid; used for making pepper sauce. Oz. 20c.; ¼ lb. 50c.

Mammoth Ruby King. Of immense size and the mildest of all varieties. Ordinarily they grow four to six inches long by three-fourths of an inch thick. When ripe they are of a beautiful bright ruby red color. The plant is of a sturdy, bushy habit, and each plant produces from six to twelve handsome fruits. They should not be grown near the hot varieties, or they will partake of their fiery nature. Pkt. 10c.; oz. 20c.; ¼ lb. 60c.; lb. $2.00.

Chili, Small. Red conical pod about two inches long, very hot. Fine for pepper sauce and seasoning. Oz. 20c.; ¼ lb. 50c.; lb. $2.00.

Cherry Red. Fruit small, round, color rich scarlet; very hot. Pkts. 5c. and 10c.; oz. 20c.; ¼ lb. 50c.; lb. $1.50.

Bull Nose, or Bell. An early variety, of mild flavor; a favorite for pickling and use in the natural state. Pkts. 5c. and 10c.; oz. 20c.; ¼ lb. 50c.

Sweet Mountain. Similar to Bull Nose, but larger and milder in flavor; used to make stuffed "Mango" pickles. Pkts. 5c. and 10c.; oz. 20c.; ¼ lb. 50c.

Our Seeds are sold to the Grower only, whose trade we have solicited for the past 26 years.

No discounts, but the best values in dependable seeds.
PEAS—Erbsen

One quart will plant about 100 feet of drill. One and one-half bushels for an acre.

Culture.—The Extra Early varieties are very hardy, and will endure a great amount of cold; should be planted as soon as the ground can be made ready. The larger wrinkled varieties are not nearly as hardy, and the seed is apt to rot instead of germinating if planted before the soil becomes thoroughly warm on the advance of spring.

For private use in double rows, eighteen inches apart, and three inches apart in the rows. For market, in single rows 1 inch apart and 3 inches deep, and the rows from 1 foot to 2 feet apart.

Our Seed Peas are of the best quality obtainable, being all grown for North, thoroughly cleaned and carefully hand-picked. They are raised from the finest selected strains, and the growing crops are rogued to remove all runners and improper types of growth.

Pedigree Extra Early. The best strain of extreme Early and remarkably uniform Extra Early Peas yet developed. This unequalled strain introduced by us several years ago will produce twenty to thirty per cent. larger crop, and is ready for market with extra Early Alaska. The vines average 24-50 inch. It has rapidly grown in favor with large growers until now all want it. 1 pt. 15c.; qt. 30c.; peck $1.50; bush. $5.50.

Extra Early Alaska. After the most careful expert work of selection and re-selection, with the past 5 years, we are now in position to offer our customers an improved strain that is really pure, very uniform, in growth and ripening. The vines are very strong, vigorous, 2 to 2½ feet high, of a peculiar light green color, pods 2½ to 3½ inches long, straight and blunt at the end, and light in color. It ripens reasonably for picking 49 to 50 days from planting. Seed round, blue, slightly pitted. Qt. 25c.; peck $1.40; bu. $5.00.

First Best. This Pea is the result of years of the most careful selection; height two and a-half feet, large pods, very prolific and sure cropper. Qt. 25c.; peck $1.40; bush. $5.00.

Triumph. An early variety, very popular in many sections. About two and a-half feet high. Qt. 25c.; peck $1.40; bush. $5.00.

Rural New Yorker. Height two and a half feet, seed white, slightly dented, of vigorous habit, vine sending out two or more lateral branches. This new pea in general habit and growth resembles the well-known Alaska. Ripening about three days later, but with much longer and thicker pods. The pods are handsomely shapped, of a beautiful dark green color, which is retained long after other varieties have lost their usefulness. The seed is somewhat wrinkled and dented, indicating high flavor and good quality. We strongly recommend this new pea to gardeners, truckers and shippers as a most productive and saleable extra early variety. Qt. 30c.; peck $1.75; bush. $6.00.

Large Poded Alaska. This new pea in general habit and growth resembles the well-known Alaska. Ripening about three days later, but with much longer and thicker pods. The pods are handsomely shapped, of a beautiful dark green color, which is retained long after other varieties have lost their usefulness. The seed is somewhat wrinkled and dented, indicating high flavor and good quality. We strongly recommend this new pea to gardeners, truckers and shippers as a most productive and saleable extra early variety. Qt. 30c.; peck $1.75; bush. $6.00.

(New) Prolific Early Market. Earlier, longer podded and more prolific than Pedigree Extra Early, for which it is a fit companion and close second, as it comes in only four or five days later, and produces a thirty inches high and produce pods singly. One pea picking will take about three-fourths of the crop, and a second picking, which is to be made about three days later, will take the balance. It is remarkably uniform and very free from spots of any kind. The peas are of the finest quality. Qt. 30c.; pk. $1.75; bush. $6.00.

Bountiful. Resembling the Alaska in general habit of growth; vine 36 inches, foliage gray green; pods 3½ inches in length, pointed, gray green in color. For table use 50 to 75 days from planting; a prolific bearer, making it a valuable variety. Seed blue, medium pitted. Pt. 15c.; qt. 30c.; peck $1.75; bush. $6.00.

SECOND EARLY SMOOTH VARIETIES.

Imported Sugar Marrowfat. This fine Pea has given wonderful satisfaction to all who have planted it. It grows about two feet high, bears enormous handsome pods, which are completely filled with large, delicately flavored deep green peas. It is undoubtedly the most productive Pea offered. Crop failed.

French Canners. It is very prolific, bearing an abundance of long pods, containing from seven to nine peas of excellent flavor. Height three and a half feet. Qt. 20c.; peck $1.40; bushel $4.50.

EDIBLE PODDED PEAS.

There is a class of Peas not generally known in this country, but much used abroad, in which the sweet, brittle and succulent pods have none of the tough inner lining found in the ordinary varieties of garden peas. They are used in the same way as snap or string beans.

Mammoth Melting Sugar. This is by far the largest and finest of the true and blanched, of edible podded Peas. The vines are strong, vigorous growth, frequently four to five feet in length, and the pods come rather late, or about the same time as the Telephone and Stratum Peas. The vine is very productive of enormous pods, and containing bearers for a long time. Pods average five to six inches in length and one and a half inches broad, thick and fleshy. Broken and boiled like string beans and served with butter sauce, they have a luscious flavor. Qt. 25c.

Dwarf Sugar, Edible Pods. This variety possesses all the fine cooking qualities of the mammoth sugar, nearly two weeks earlier in maturing, average growth 30 inch. Pt. 15c.; qt. 30c.; peck $2.00.
CHOICEST EARLY AND MAIN CROP WRINKLED PEAS.

American Wonder. This is a dwarf variety, and leads all others in point of earliness, growing about 10 inches high, and produces a profusion of good sized, well-filled pods, with finest flavored peas. Qt. 30c.; peck $2.00; bushel $7.00.

Premium Gem. This variety is and the very productive vine is decidedly larger, growing to a height of from 15 to 18 in. The pods are large and crowded with 6 to 8 very large peas of excellent quality. Qt. 30c.; peck $2.00; bushel $7.50.

Nott's Excelsior. One of the best Early Dwarf Peas. It combines the good qualities of the American Wonder and Premium Gem. The vines are larger and more productive than American Wonder and is the most desirable for the family garden or home use. Qt. 35c.; pk. $2.50; bushel $9.00.

Potlatch. Strong, vigorous vines of even growth, 20 to 24 inches in height, with luxuriant dark green foliage, bearing pods medium green in color 3½ to 4 inches in length. Broad and pointed at the ends. No variety known will produce more pods, and no pods could possibly shell out better. The Potlatch is a dwarf, and anyone may expect great things. Fit for table use 61 days from planting. Seed green, wrinkled, large in size. Qt. 30c.; pk. $2.00; bushel $8.00.

Extra Early Gradus. Also called "Prosperity" Pea. This popular new large-podded wrinkled pea of finest quality matures pods only two or three days later than the small-podded, round-seeded extra earlies. Vines grow from 2½ to 3 feet. The peas remain tender and sweet for a long time after they are large enough to use, as the vines continue in bearing for some little time after the first pods are ready. We consider it one of the most desirable for the family garden or home use. Qt. 35c.; pk. $2.50; bushel $9.00.

Thomas Laxton. This variety is of the same growth with that of of the Gradus, but is usually three to four days later for market, while the large peas are a deeper, rich green. The pods are square at the end instead of having a long, sloping point, and is considered by some to be of a better flavor than Gradus. Qt. 35c.; pk. $2.50; bushel $9.00.

Champion of England. A universal favorite, delicious flavor, profuse bearer of large pods, filled well with large green wrinkled peas. Height about four feet. Qt. 35c.; pk. $1.75; bushel $5.00.

Daisy, or Dwarf Telephone. The Daisy, or Dwarf Telephone, is the second early, of robust but remarkably even growth. The vines are from 16 to 18 inches high, needing no brush. The self-supporting, stout plants are fairly loaded with large, bright green pods, which are always well filled. Each pod contains from 7 to 9 large peas of a light bright green color, tender and well flavored. Qt. 35c.; pk. $2.25; bushel $8.00.

Sutton's Excelsior. This handsome, new, early, wrinkled pea is the largest of any dwarf variety and is the most vigorous in growth of vine, and is unsurpassed in quality. The pods mature very nearly as early as those of Nott's Excelsior, but are broader and with the foliage distinctly lighter green. Sutton's Excelsior will soon be recognized as one of the most valuable dwarf sorts yet introduced. Qt. 35c.; pk. $2.00; bushel $7.50.

Pride of the Market. Dark green pods, filled with large peas of fair to large in size, of a very sweet flavor, and not needing brush, make it desirable for small gardens; the rows can be planted closely together. Per pkt. 10c.; 1 pint 20c.; qt. 30c; peck $2.00; bushel $7.00.

Sutton's Dwarf Defiance. A new wrinkled marrow of fine quality. Vines stocky, quite dwarf, pods large and well filled. The exceeding productiveness of this variety for a dwarf sort makes it one of the most valuable of all for home gardens. Qt. 30c.; pk. $2.25; bushel $8.00.

Admiral Dewey. The largest podded pea yet introduced. Height 3½ to 4 inches long, beautifully shaped. Peas large, tender and of first-class flavor. Qt. 30c.; pk. $2.00; bushel $7.00.

Long Island Mammoth. Very popular with market gardeners who want a large, handsome pod of a deep green color. Qt. 30c.; peck $2.00; bushel $7.00.

Alderman. This splendid new pea comes from a European specialist in hybridizing. It is similar in growth to the Telephone, maturing about the same time. Qt. 30c.; peck $2.00; bushel $7.00.

Champion Pea. This new pea possesses all the merits of the Champion of England, with less vine (26 inches) and the larger pods and more of them, and coming a little earlier. Qt. 25c.; pk. $1.75; bushel $6.50.

Dwarf Giant Podded Prolific Green Marrow. This variety has become a favorite with the consumer as well as grower. Vines of a strong growth with a large dark green foliage, but only eighteen to twenty inches in height, and do not need to be supported. Pods of large size, filled with large dark green peas of rich marrow flavor. Qt. 30c.; pk. $2.00; bushel $7.00.

Telephone. A tall-growing late sort, three and a half to four feet in height, having pods of very large size, containing six to seven large peas of delicious flavor. Continues in bearing for quite a long time. Qt. 30c.; pk. $2.00; bushel $7.00.

Boston Unrivalled. An improved strain of the popular Telephone. Vines grow four to five feet high and are covered with fine, large pods. The pods are 6 inches in length by three-fourths of an inch broad, each containing seven to eight very large peas of finest flavor. We are sure that all who try it will be delighted with both quality and quantity. Qt. 30c.; pk. $2.00; bushel $7.50.

No discounts, but the best values in dependable seeds
SEED POTATOES

All our Seed Potatoes are grown in Aroostook County, Maine, by experienced and reliable seed potato growers. They can be depended upon as being strictly first-class, subject to market fluctuation. Cash must accompany all orders.

New Early Perfection. Originated in Maine from the seed of a single plant for its purely white, oblong, short, thick, good quality tubers, filled with smooth eyes and a beautiful bright red color. Large and very vigorous, maturing in early July. It is well adapted for setting out of hands. Bush 1.50, bbl. 3.50

Early Six Weeks. Medium sized, very smooth skinned and shallow eyed, in color light pink and of fine texture. Bush 1.50; barrel 3.50

Red Bliss, or Bliss Triumph. This variety is rapidly gaining in favor. The tubers are round and uniform in shape, eyes slightly depressed and of a beautiful bright red color. Very hardy and vigorous growing, maturing with extra early. Bush 1.50; bbl. 3.50.

Early Ohio.

Crown Jewel.

Early Harvest.

Irish Cobbler. The biggest Potato and greatest producer known among the early varieties. It will outyield all other early kinds and equal most of the later varieties. Fine quality, color a pure creamy white, shape round to oblong and smooth. Vines very stocky with dark foliage. Bush 1.50; bbl. 3.50.

Early Northern. A seedling of the Early Rose, which is very close to the Early Rose and more prolific. Bush 1.50; bbl. 3.50

Early Rose. For a generation the standard Potato of the whole country for earlies, yield, thrift, beauty and table qualities, because it always succeeds well in any soil, in any climate and in any latitude. Too well known to need description. Our stock is strictly pure. Pk. 40c.; bush $1.50; bbl. 3.50.

Ensign Bagley, or White Rose. Round to oblong in all that can be desired, and not susceptible to disease. Pk. 40c.; bush $1.50; bbl. 3.50.

Maggie Murphy. This is decidedly a valuable acquisition to the Potato family. The shape is flattened oblong with smooth eyes and of rose color. It is very hardy, productive and bears tubers of large size. Pk. 40c.; bush $1.50; bbl. 3.50.

Vermont Gold Coin. A very desirable main crop variety of recent introduction. Proven to be very hardy, of vigorous growth, most productive, of the very best quality. The tubers are slightly oblong, rather broad and quite thick through. Eyes are small and there is but little waste in paring. The skin is thin, smooth and glossy, of a light golden tint. Pk. 40c.; bus. 1.50; bbl. 3.50.

Green Mountain. White skin, flat, oval form, smooth, of good appearance; fine for the table quality. RIPENS EARLY AND IS A GOOD KEEPER. Valuable for late crops. Now taking the lead in all markets. Bush 1.25; bbl. 3.00.

White Star. Medium late, of good size and quality, white in color; eyes flush with the skin and a good keeper. Bush 1.50; bbl. 3.00.

Carman No. 3. It is a late keeper. Pk. 40c.; bush 1.10; bbl. 3.00.

Norcross. It is a little oblong and slightly flattened. The skin is finely netted or ruffly. The eyes indicate good cooking and eating quality. Bush 1.85; bbl. 4.50.

American Giant. It is one of the heaviest yielders grown, and a favorite with all large growers. It is a long, white, smooth, firm, Potato of good quality, with solid eyes; maturing with the extra early and bbl. 3.00.

Prosperity. This is a very handsome general crop Potato. Its skin is slightly rusty, of a light cream-white color; its shape is an oblong and slightly flattened. The eyes are very shallow. The size is large and desirable, very few under market size. Always smooth and regular in form of splendid quality. Bush 1.40; bbl. 3.25.

Burbanks. This variety is quite largely used as one of the reliable late Potatoes, is of good size, white skinned, of oblong shape and good yielder. It is a late keeper and also of good flavor. Bush 1.25; bbl. 5.00.

Puritan. A splendid early variety, fine quality, color a pure white, shape oblong, yielding large crops. Pk. 40c.; bush 1.50; bbl. 3.50.

SEED SWEET POTATOES

Yellow Jersey. Select "up-river" strain. A select strain of smooth, short "chunky" Yellow Jersey. Yields 25 to 50 per cent. more marketable stock and sells higher than any other. Dig or store, is decidedly the best of all. Pk. 50c.; bu. 1.50; barrel 3.50.

Prices subject to market fluctuations.
PUMPKINS

KURBIS

1 oz. to 15 hills; 4 lbs. per acre, in hills 10 by 10 feet apart.

Culture.—Sow in good soil in May, when the ground has become warm, in hills 8 to 10 feet apart each way, or in fields of corn about every fourth hill; always avoid planting near other vines, as they will hybridize.

Sugar Pie Pumpkins.—This is the best of all Pumpkins for pies. The fruit is small to medium in size, flesh solid and fine grained and the seed cavity small, and it is a splendid keeper.

Quaker Pie.—It is oval in shape, and tapers toward each end; of a creamy color, both inside and out. Being fine grained and rich flavored, it makes a superior quality of pies.

Cushaw, or Crookneck.—One of the most popular varieties to grow for pies as well as for stock feeding. Fruits two feet in length, with long, solidly meaty neck, most frequently curved in form; seeds are located in the lower bulb-like end. Skin striped with mottled-green bands of creamy white. Flesh rich, creamy yellow, tender and of exceptionally fine flavor.

Japanese Pie.—Crookneck variety, with extremely small seed cavity; nearly all solid meat; quality extra fine; seeds distinct in appearance, being curiously sculptured in the manner of Chinese letters. Productive, ripens early, medium size, good keeper.

SQUASH—KURBIS

1 oz. of bush sorts to 40 hills of lgs. seeded 15 hills. 2 lbs. of bush sorts to acre of lgs. seeded 34 to acre.

Squashes, like other vines, are partial to a light, dry, rich soil. Plant the running varieties in hills ten feet apart each way; thin out to three plants in a hill. Cultivate frequently until the vines commence running, after which do not work the soil deep. Use Paris Green to destroy bugs, as with Cucumbers. Plant Bush Squashes in hills five feet apart each way; thin out to four plants in a hill.

Fordhook Squash.—This is one of the most desirable running varieties for both summer and winter usage. They are of strong vigorous growth and wonderfully productive. Fruits oblong in form, eight to ten inches in length, slightly ridged, smooth thin yellowish skin; flesh very thick and of a light straw-yellow. If gathered young for cooking, no other Squash—except the new Burpee's Bush Fordhook—approaches it in flavor, while if allowed to ripen on the vine they can be stored and will keep in excellent condition until late the following June. Either for baking like sweet potatoes or making pies during the winter the quality is unsurpassed. Per pkt. 5c.; 1/4 lb. 25c.; 1 lb. 75c.

Extra Early Jersey White Bush Scalloped.—This is an improved strain of the Old White Bush. It sets fruit ten days earlier; of a beautiful clear waxy white instead of the greenish white often seen. Very productive and shows less ridge or scallop; containing a larger amount of solid flesh. 1/4 lb. 15c.; 1 lb. 40c.

Summer Crookneck.—A beautiful bright yellow, bears all summer, and commands good prices. Very desirable for market and private use. Pkt. 5c.; 1/4 lb. 15c.; 1 lb. 40c.

Hubbard.—Well-known winter variety, with very hard, firm shell, fine grain, sweet and rich flavor, and excellent for table use. A splendid keeper. Pkt. 5c.; 1/4 lb. 15c.; 1 lb. 40c.

Winter Crookneck.—Flesh red of fine flavor and good keeper. Pkt. 5c.; 1/4 lb. 15c.; 1 lb. 40c.

Boston Marrow.—A fall and winter variety regarded very highly in the market. Oval form, pointed, thin rind, fine grain, salmon-colored flesh, remarkably sweet and delicious. Keeps well in winter and will boil dry as a mealy potato. 1/4 lb. 20c.; 1 lb. 60c.

Bush Fordhook Squash.—In this new true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type; they are also thicker fleshed and have a smaller seed cavity. Our Fordhook Squash is about a week later than the Early White Bush, but is much sweeter and better flavored. An important advantage is that any fruits not needed for summer use can be left to ripen on the plants and gathered for winter use. They are unsurpassed for baking, frying, or making pies; while stored in a dry place they will keep in good condition until the following June. Pkt. 5c.; 1/4 lb. 25c.; 1 lb. 75c.

No discounts, but the best values in dependable seeds

— J. Manns & Co.

1913
RADISH—Rettig

Up to the present season we have furnished our customers French grown Radish Seed only, grown from selected and transplanted roots, but owing to the failure in crops and short deliveries we have been compelled to follow the footsteps of other seed houses in securing some American grown stock, which is obtained from the best known growers in this country.

oz. for 100 feet of drill; 3 lbs. to an acre.

For early use sow in the spring as soon as the ground can be worked, in drills, 6 to 10 inches apart, covering the seed half an inch deep; thin plants an inch apart in the row. As the roots are succulent and more tender when grown quickly, a rich, light soil should be preferred, and frequent watering in dry weather will be found beneficial.

For a succession, sow every two weeks.

**Extra Early Scarlet Globe (Forcing).** This is the market gardener's favorite as a forcing Radish, very early; mild and crisp, juicy and tender; top small; will stand heat when larger than other forcing varieties. One of the best selling and most attractive Radishes on account of its bright scarlet color and handsome shape. Our stock of this is the very best, selected with special care as to size, shape, color and earliness, and market gardeners will find it a money maker, as it is just right in every respect. Pkt. 5c.; 1 lb. 30c.; 1 lb. 60c.

**Extra Early Scarlet Turnip.** Deep scarlet, turnip shaped, small top; desirable for frames or outside. Pkt. 5c.; ½ lb. 15c.; 1 lb. 30c.

**Golden Globe.** Second early, grows to a good size; stands the heat well; very popular with market gardeners, a beautiful golden yellow, flesh crisp and tender. Pkt. 5c.; ½ lb. 15c.; 1 lb. 40c.

**Half Long Deep Scarlet, or "Paris Beauty."** This is a splendid strain of similar season to the Early Long Scarlet. Very popular. The Radishes are of slightly larger diameter and most brilliant scarlet coloring. Flesh purest white, crisp and juicy. Pkt. 5c.; ½ lb. 15c.; 1 lb. 40c.

**French Breakfast.** Color is a scarlet rose, shading to a waxy white at the top; quick growth, mild and tender, good for forcing. Pkt. 5c.; ½ lb. 15c.; 1 lb. 40c.

**Felton's Model White Box (Forcing).** It is of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes," and one-third more Radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c.; ½ lb. 15c.; 1 lb. 50c.

No discounts, but the best values in dependable seeds.
RADISH—Continued

Long Scarlet. This is the standard extra early long scarlet market variety, short top, long scarlet roots; crisp, fine flavor. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Long Scotch. (American Grown). $lb. 30c.; lb. 20c.; 10 lbs. $2.50.

White Icicle Radish. Its fully equals in crisp, tender flesh and mild flavor the popular White Vienna or Lady Finger, though not as long slender form and pure paper-white skin are most attractive when bunched for market. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Cincinnati Market. ("Glass Radish.") A selected strain of the Long Scarlet, growing to slightly larger size, fully as early and darker in coloring. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Long Bright Scarlet, White Tipped. This is the brightest and handsomest colored scarlet Radish known. Pkt. 5c.;

Improved Chartier. The color at top is crimson, running into pink at middle, and from thence downward is pure white. It is of a very quick growth, and ready for use nearly as early as the Long Scarlet. Exceedingly tender and crisp. Pkt. 5c.; ¼ lb. 15c.; lb. 35c.

Pearl Forcing. This variety is a cross between the long slender form of the White and long slender form of the Red Radishes. It is a very desirable kind. Pkt. 5c.; ¼ lb. 15c.; lb. 35c.

New White Icicle Radish.

Strasburg. The color is a pearl white, with a fine waxy appearance, very firm and solid. They will remain in good condition longer than any other extra early variety. Oz. 5c.; ¼ lb. 15c.; lb. 40c.

Long White Vienna, or Lady Finger. This is the finest Long White Radish in cultivation; it is most beautiful in shape, white in color, both skin and flesh are pure snow-white, crisp, brittle, and of rapid growth. Highly recommended. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

New White Strasburg. A very desirable summer variety, a favorite by our market gardeners; skin and flesh both white. It is excellent quality and a quick grower. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Perpetual White Summer. This variety, introduced by us, has given splendid satisfaction to all who have tried it. They are pure white, uniform in quality, crisp, brittle, and they keep longer in a fit condition for the table than any variety we know of, hence their name, Perpetual White Summer. Can be sown any time of the year and will always produce good Radishes fit for market earlier than the Chartier, and keep in perfect shape for marketing about four weeks, or longer for home use. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Large White Summer. Round, smooth, very white, crisp and tender. The market gardeners' favorite for summer use. Pkt. 5c.; ¼ lb. 15c.; lb. 35c.

Improve Half-Long, Black Spanish Radish. This new sort is intermediate in shape between the Old Round and Long Black Spanish, and much superior to either. Flesh mild, very sweet and crisp, never pithy, and is decidedly the best of all black Radishes. If stored in damp sand in the cellar they will keep all winter. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

Round Black Spanish. Like the Long White Spanish, except in shape. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Chinese Rose. A splendid rose-red variety that keeps during winter; tempting flavor and very crisp. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Long White Spanish. This variety is of a snow-white color, similar to the White Strasburg in shape, but rather more stump-rooted. Pkt. 5c.; ¼ lb. 15c.; lb. 40c.

Chinese Mammoth. First introduced into this country by the Chinese in California. It is pure white, about one foot long, and two or three inches through, tapering regularly towards the tip. Flesh is tender and crisp, keeping well through the winter. Pkt. 5c.; ¼ lb. 15c.; lb. 50c.

No discounts, but the best values in dependable seeds.
SPINACH—Spinat

1 oz. to 100 feet of drill; 12 to 15 lbs. for an acre.

Spinach is very hardy, extremely wholesome and palatable, and makes a delicious dish of greens, retaining its bright green color after cooking.

For late spring and early summer use sow as soon as the ground can be worked in drills 1 foot apart and one inch deep. For a succession, plant every two weeks. For winter and early spring use sow in September, broadcast. Select rich soil and top dress with nitrate of soda.

SPINACH—Continued

(New) Giant Market, or Mammoth

Evergreen. Among the later introductions were two plants which, to the grower, a reward this the peer of all. The plant is of very large and vigorous growth, of the Bloomsdale Savoy type, remarkably fine texture, of deep est green, very hardy and slow to run to seed. Every grower should give it a liberal trial.

SALISFY, or Oyster Plant

1 oz. for 50 feet of drill.

Requires a well enriched, medium soil, which, previously to sowing the seeds, should be stirred to a depth of eighteen inches. Sow early in the spring in drills 15 inches apart; cover the seed with fine soil one and a-half inches in depth, and when the plants are strong enough thin out to six inches apart. As the leaves resemble grass, be careful they are not mistaken for it whilst weeding.

Large White. The standard variety, with white roots 1 inch in diameter at shoulder and tapering to a length of 8 to 10 inches. Pkt. 5 c.; 1 oz. 15 c.; ½ lb. 20 c.; lb. 35 c.

Mammoth Sandwich Island.

A new and improved type, producing roots of nearly double the size and weight of the old varieties; mild and delicately flavored. Pkt. 5 c. ; ½ lb. 25 c.; lb. 50 c.

HERBS—Gewurz

Anise .................................................. Packet. Ounce. ¼ lb. 6 oz. 15 c. 40 c.
Basil .................................................... 5 c. 15 c. 40 c.
Summer Savory ....................................... 5 c. 15 c. 40 c.
Borage ................................................... 5 c. 15 c. 40 c.
Coriander .............................................. 5 c. 15 c. 40 c.
Dill, extra large ..................................... 5 c. 15 c. 40 c.
Lavender ............................................... 5 c. 15 c. 40 c.
Marjoram, sweet .................................... 5 c. 15 c. 40 c.
Sage ................................................... 5 c. 15 c. 40 c.
Thyme .................................................. 5 c. 15 c. 40 c.

SORREL—Sauerrampfer

A hardy plant grown for its leaves, which are used as boiling "greens" or salad. Seed should be sown thinly in drills early in spring. When well started thin out to stand four to six inches apart in the row. The leaves can be gathered for use at any time after the plants are well started in growth, and the roots will continue to produce a further supply. The plant is entirely hardy, and, starting into growth early, the following spring, will afford a large supply of fine "greens" quite early in the spring.

Large-Leaved French. Pkt. 5 c.; ½ lb. 20 c.; lb. 75 c.

RHUBARB, or Pie Plant

Sow in April or May, in drills one foot apart; when three or four inches high thin out in rows six to ten inches apart. Transplant the ensuing fall or spring in rich soil. Set out the roots three to four feet apart each way; the following spring it will be fit to use.

Linnaeus. Pkt. 5 c.; oz. 20 c.; ¼ lb. 40 c.

Victoria. Very large, the finest cooking variety. Pkt. 5 c.; ½ oz. 25 c.; ¼ lb. 40 c.; lb. $1.50.

No discounts, but the best values in dependable seeds.
All our Tomato Seeds are grown from stocks, exclusively by growers and experts. We are fully convinced of the merit of any new variety before placing them in our Catalogue, and therefore recommend at least a trial to our customers and friends.

For early, the seed should be sown in hotbed during February or the first week in March, in drills five inches apart and half an inch deep. Later sowing may be made until the last of April. When the plants are three or four inches high they should be set out four or five inches apart, in another hotbed or cold frame, or removed into small pots, allowing a single plant to the pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as the vines will permit, but the last two or three workings should be very shallow or the crop may be badly injured, especially if the cultivator is run too near the plants. 1 oz. to 2,000 plants; ½ lb. to an acre.

EXTRA EARLY VARIETIES.

Electric. Being constantly on the alert to obtain new varieties of real merit, we have secured from the originator in Denmark a small supply of this very valuable Tomato. The originator claims it to be the very earliest and best variety in cultivation, a robust grower, heavy cropper, producing bunches of 10 to 14 fruits, always smooth, of fair size. Pkt. 10c.; oz. 60c.

Sparks' Earlana. This is an extremely early variety of Tomato, and produces large clusters of fair size fruits, which are very uniform in size and shape. It is hardy and can be set out early. Color of flesh deep red, very solid and fine flavor. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.00.

King of the Early. A very productive and quite early variety, very similar to Sparks' Earlana; the vines are somewhat heavier and leaves more plentiful, which furnish great protection for the fruit, and for this reason it has become a favorite with many growers. Pkt. 5c.; oz. 20c.; ½ lb. 75c.; lb. $2.50.

Ixl Extra Early. For description, see King of the Early. Pkt. 5c.; oz. 20c.; ½ lb. 75c.; lb. $2.50.

Bonny Best. This new sort has already become a favorite among large growers for early market. It is earlier than Chalk's Early Jewel and with in two or three days as early as Earlana. Very prolific, with liberal foliage to protect the fruit from the hot sun. The beautiful scarlet-red fruit is set in clusters of 5 or more. Its great characteristic is that it ripens each set of fruit nearly all at once, and ripens evenly all over up to the stem. Pkt. 5c.; oz. 20c.; ½ lb. 75c.; lb. $2.50.

Chalk's Early Jewel. Ripens 10 days later than Sparks' Earlana, but more desirable for home use, as fruits are thicker and more solid, comparing favorably with the later maturing sorts. Color bright scarlet and quality very best. Pkt. 5c.; oz. 15c.; ½ lb. 50c.; lb. $1.50.

Livingston's New Dwarf Purple Globe. One of the main varieties grown by the leading Tomato growers in Florida. It is of beautiful globe shape, very deep through from blossom end to stem, which permits of a greater number of slices being taken than with the flat fruited sorts. Among the very first to ripen, although of large size; very smooth, firm fleshed, few seeds, ripens evenly; color a beautiful glossy rose-tinted purple. A good cropper and one of the best for greenhouse or first crop on stake or trellis. Pkt. 10c.; oz. 25c.; ½ lb. 75c.; lb. $2.50.

Livingston's Hummer. A new Tomato of bright scarlet color, medium size. Not as large as Stone, round as a ball. Very attractive, firm and solid and of fine quality. A healthy, vigorous grower of medium size vine; very prolific, producing clusters of medium size, bright scarlet fruit. Quite early to ripen. Is especially desirable for home gardens or canning the whole fruit. Pkt. 5c.; ½ lb. 75c.; lb. $2.50.

New Coreless Tomato. A perfect globe shaped medium to large size Tomato of recent introduction. This new shape is preferred by many growers; it is almost round, being about the same diameter each way. There is little or no depression at the stem end, making it very economical for all uses. It is most productive, clusters of six or more fruits being produced at close intervals all along the vines. Fine for slicing, the seed cells being surrounded by bright red, heavy, meaty and delicious flesh, which is slightly more acid than in some other varieties. In color it is a rich bright red. On account of its superior solidities it is a good long distance shipper. The vine is a strong and most luxuriant grower. A main crop Tomato for canners, home or market gardeners. Pkt. 5c.; ½ lb. 75c.; lb. $2.50.

Livingston's Beauty. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, of perfect shape and excellent quality. Color a very glossy crimson with a tinge of purple. Grows in clusters of 4 to 8 large fruits, retaining its large size until late in the season. Ripens early and is entirely free from ribbed or elongated fruit. Pkt. 5c.; ½ lb. 75c.; lb. $1.50.

Livingston's Early Perfection. An improved Acorne type, with a red skin, produces large fruit until the close of the season. Invariably smooth and of handsome blood-red color. Some canners prefer it to all others, especially those who can the Tomatoes whole. It usually ripens 10 days ahead of Stone. Pkt. 10c.; ½ oz. 15c.; ½ lb. 40c.; lb. $1.25.
Kelly’s Red. The plants grow vigorously and are very productive. The fruit is very large, slightly flattened, bright scarlet, smooth, ripening evenly to the stem without a crack, twenty tons having been grown to the acre. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.00.

Matchless. The vines are of strong, vigorous growth, well set with fruit, the foliage is very rich, dark green color. They are entirely free from core, of a very rich cardinal red color, and are not liable to crack from wet weather. The fruits are of the largest size, and is maintained throughout the season, the healthy growth of foliage continuing until killed by frost. Oz. 15c.; ¼ lb. 50c.; lb. $1.50.

Maryland Pride. Since our introduction of it in 1905, it has been grown with great success by canners and market gardeners, who pronounce it “the very best second early and main crop Tomato they have ever grown.” The fruit is of a beautiful bright red color, magnificent size, and handsome, smooth shape. The vines grow vigorous, and produce abundantly until killed by frost. Pkt. 5c.; oz. 90c.; ¼ lb. 50c.; lb. $2.00.

Enormous. So named on account of the large size of Tomatoes, which are very solid and smooth. Quality good. Pkt. 5c.; oz. 25c.; ¼ lb. 75c.; lb. $5.50.

Greater Baltimore. Large, smooth, solid, bright scarlet; second early Tomato; a prolific bearer and fine shipper. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.50.

Favorite, or Oween. Large size, ripens evenly and early, very prolific, red color; flesh solid and good flavor. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.50.

New Stone. This variety has attained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape perfectly smooth, and thicker from stem to blossom end than most varieties, making it most handsome and salable. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.50.

B. B. Tomato. For description see New Stone. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.50.

Livingston’s Paragon. Color of skin deep red. Flesh solid and highly flavored. It is larger than several of the standard varieties, and grows large fruit up till frost. Oz. 45c.; ¼ lb. 40c.; lb. $1.50.

Success. The vines are of strong, vigorous growth, with abundant foliage. The fruits, set in clusters, average three inches in diameter and two to two and a half inches through from stem to blossom end. Color brightest scarlet; perfectly smooth; very meaty; of fine flavor. Pkt. 5c.; ¼ lb. 40c.; lb. $1.50.

Ponderosa. The largest purple fruited Tomato in cultivation; very solid and of finest quality. Pkt. 10c.; oz. 25c.; ¼ lb. 75c.

Buckeye State, or Duke of York. One of the largest; fruits in immense clusters; solid and meaty. Color similar to Beauty, but darker in flavor, and larger. Pkt. 5c.; oz. 20c.; ¼ lb. 50c.; lb. $2.00.

Red Rock. By close comparison of this new Tomato we find several strong points in their favor; extreme hardness, size of fruit and productiveness. Compared with Livingston’s New Stone, they yield one-third more Tomatoes of a deeper red; in beauty of coloring and symmetry of form it is indeed without a peer. The vines are of strong, vigorous growth, with very rich, dark green foliage. The rich cardinal red fruit has very tough skin and is not liable to crack from wet weather. Oz. 20c.; ¼ lb. 50c.; lb. $2.00.

PRESERVING TOMATOES

The following small-fruited varieties are used for making preserves, and are also quite ornamental while growing in the garden:

Pear-Shaped Red. Pkt. 5c.; oz. 20c.; ¼ lb. 75c.

Pear-Shaped Yellow. Pkt. 5c.; oz. 20c.; ¼ lb. 75c.

Yellow Plum. Pkt. 5c.; oz. 20c.; ¼ lb. 75c.

No discounts, but the best values in dependable seeds.
TURNIPS

Rutabaga.

1 lb. to the acre; 1 oz. to 150 feet of drill.

For Spring crop sow early in April. For the Fall and main crop, from the middle of July to the last of August,
in drills fourteen inches apart and thin to six inches. Always sow just before a rain if possible.

Extra Early Purple-Top Milan.—A white variety, purple-top and strap leaf. This, with the White Milan, is
the earliest of all turnips. Remains in good condition a long time. Oz. 5c.; ¼ lb. 10c.; lb. 30c.

Extra Early White Milan.—Similar to above except it is
pure ivory white in color, and about one week earlier.
Oz. 6c.; ¼ lb. 15c.; lb. 40c.

Early White Egg.—Egg-shaped early variety; flesh
white, firm, fine grained, mild and sweet. ¼ lb. 10c.; lb.
25c.

White Early Flat Dutch.—A standard variety, good
size, pure white; small top, few leaves and very sweet
¼ lb. 10c.; lb. 30c.

Purple Top Strap Leaf.—The well-known popular va-
riety, either for family or market use; large size, white,
purple above ground, flesh fine grained. ¼ lb. 10c.; lb.
30c.

Yellow Globe Orange Jelly.—One of the best for gen-
eral crop; flesh firm and sweet; grows to a large size:
40 lbs. to the acre; 1 lb. to
250 square feet.

EVENGREEN LAWN GRASS

The essentials for a fine lawn are:
First. A rich, well
drained soil.
Second. Ground
carefully worked.
Third. A wise se-
lection of seed.
Fourth. Sowing at
such a time as to
give the young
plants a chance to
become well estab-
lished before being
subjected to very dry
or very cold weather.

Too much care
cannot be bestowed
upon the selection of
grasses, as some va-
rieties are the most
luxuriant in spring,
others in summer,
others again in the
autumn, and a com-

bination of the prop-
er sorts is required
for a perfect carpet-
like lawn.

We have given
much thought and
made many experi-
ments to secure the
best selection, and
think our Evergreen
mixture the best pos-
sible for permanent
lawns. It may be
planted early in the
spring or fall.

No discounts, but the best values in dependable seeds.
MISCELLANEOUS FARM SEEDS.

We pay particular attention to this department of our business. The seeds are selected with special reference to their quality. Purchasers may rely upon our best exertions to furnish Clover, Grass and Field Seeds, fresh, pure and free from faults and foreign matter. Prices are changing almost daily, and it is impossible to quote prices.

We are in position to handle it on a close margin and supply the finest grades at lowest market prices, which will be given for the asking of it.

**Clover.**

Medium or Common Red (Trifolium pratense).—

The Clover Seed of Commerce, and the most important and valuable of the Clover family for agricultural purposes. Sow 15 lbs. per acre. (Bush. 60 lbs.) Lb. 15c., subject to market fluctuation.

Alfalfa, or Lucerne (Medicago sativa).—This Clover claims to bear the palm as a forage plant, coming earliest in spring and remaining latest in fall. It delights in plenty of sun, being a veritable child of the sun; must be sown at the rate of from 10 to 15 lbs. per acre on well drained, well pulverized deep soil after danger of freezing is over, and prefers sand or gravel sub-soil. Wet sub-soil is fatal to the plant. Roots 3 to 4 feet deep, and when well established lasts for years 2 to 3 crops a year can be cut. Not recommended for pasture. Lb. 15c.

Bokhara (Melilotus alba).—This slightly resembles Alfalfa in growth, but is much taller, with leafier and stiffer stems. It frequently grows 5 to 6 feet in height and branches freely, with slender spikes of small, fragrant, white flowers, which afford an excellent food for bees. Lb. 20c.

Japan Clover.—This makes most nutritious and desirable summer pasture. Grows well and spreads rapidly on poor lands, hillside and under the shade of trees. Lb. 20c.; bushel of 25 lbs. $4.50.

**Grass Seeds.**

Kentucky Blue Grass.—June Grass—(Poa pratensis). Universally known; desirable for pastures and lawns. Sow in fall or spring at rate of 2 to 3 bushels per acre. Fancy clean seed. (Bush. 14 lbs.) Bush. $1.75.

Red Top Grass (Agrostis vulneris).—Thrives well in any soil, but best on low land; produces a firm sod. Sow 1 to 2 bushels per acre. (14 lbs.) Bush. $1.50.

Timothy (Phleum pratensis).—Well known variety. When ready to buy, write for latest prices, whether a bag or a carload. (Bush. 45 lbs.) Prime seed. Choice seed. Bush. $2.50.

**Orchard Grass.**

Orchard Grass (Dactylis glomerata).—Extremely hardy and widely known. One of the earliest to start in spring; grows rapidly; furnishes an abundance of pasture the entire season. 1½ to 2 bushels per acre. (Bush. 14 lbs.) Bush. $1.85.

Red Island Bent Grass (Agrostis canina).—Valuable for lawns. Sow 3 to 4 bushels per acre for lawn. 1½ to 3 bushels for pasture. (Bush. 12 lbs.) Bush. $3.00.

Tall Meadow oat Grass (Avena elata).—Used for soiling. Succeeds well in sandy lands, and owing to its long, fibrous roots, stands cold and drought well. Sow 3 bush. per acre. (Bush. 10 lbs.) Lb. 18c.

Sweet Vernal (Anthoxanthum odoratum).—Thrives well, especially when bruised or cut. Mixed with other grasses for pasture it is quite valuable, as it starts early in the spring and grows until late in the fall. (Bush. 10 lbs.) Lb. 20c.

French Timothy (Agrostis stolonifera).—Excellent for pasture when mixed with other grasses; succeeds well in most situations and thrives in moist land. Sow 40 pounds per acre. (Bush. 14 lbs.) Lb. 25c.

Wood Meadow Grass (Poa nemoralis).—Recommended especially for low, wet pastures, or for lawns in damp, wet situations. It starts early in the spring and produces a beautiful green turf, which lasts a long time Lb. 35c.; bushel of 14 lbs. $3.50.

**Drought-Resisting Grasses.**

Perennial Rye Grass (Lolium perenne).—Very nutritious; valuable for meadows or permanent pastures; rapid grower; most prominent grass in England. Sow 1 to 1½ bushels per acre. (Bush. 24 lbs.) Lb. 10c.

Meadow Fescue (Festuca pratensis).—Thrives in all soil; excellent for permanent pastures; starts early; very productive. Sow 1 to 1½ bushels per acre. (Bush. 24 lbs.) Lb. 15c.

Sheep's Fescue (Festuca ovina).—Grows naturally on light, dry, sandy soils and mountain pastures; considered quite valuable mixed with other grasses for permanent early spring pasture. (About 12 lbs.) Lb. 22c.

Hard Fescue (Festuca durissiluca).—Not very productive, but it is of a very fine quality, and thrives well in dry situations where many other grasses would fail, thus making it a desirable pasture variety. (Bush. about 12 lbs.) Lb. 20c.

**Millet.**

German, or Golden Millet.—True Southern grown German Millet Seed is far superior to Western grown seed. Peck 40c.; bushel $1.75.

Hungarian Grass.

A very valuable forage plant of the Millet family, but not so coarse. Peck 40c.; bushel $1.50.

No discounts, but the best values in dependable seeds
Kaffir Corn
One of the best forage plants. The heads contain small white seeds, which make an excellent flour. The heads are greedily eaten by horses and cattle and make splendid feed for poultry, fed either in the grain or ground and cooked. The foliage and stalks make excellent forage. Cultivate the same as common corn, requiring four or five pounds of seed per acre. 100 lbs. $1.75.

Dwarf Essex Rape
This plant is extensively grown for forage, especially for sheep, and for green manure, for which purpose there is perhaps no better plant adapted where a quick, rank growth is desired. Prepare the ground as for turnips and sow in June or July with a turnip drill, in rows three and a half feet apart at the rate of two and a half pounds of seed per acre. Our stock is the true Essex Dwarf, and not the worthless annual. 100 lbs. $8.00.

Sorghum, or Cane
Early Amber Sorghum.—Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield two or three cuttings a year, standing out thicker each time it is cut. The saccharine matter is of the first quality, and it also produces a fine sugar or syrup. It grows ten or twelve feet high. Sow at the rate of one peck per acre in drills three, and a half to four feet apart. Peck 35c.; bushel $1.75.

Early Orange Sorghum.—This variety is a favorite wherever used; it is similar in growth to Early Amber, but under fair conditions produces a heavier crop. It is better for stock feeding than the Amber. Per bushel $1.75.

Buckwheat
Japanese.—This variety yields very largely. The kernels are larger than other sorts, but owing to its branching qualities it need not be sown as thickly. Peck 35c.; bushel about $1.25.

Silver Hull.—A superior variety in every way to the ordinary Buckwheat, which it has almost entirely superseded. Peck 35c.; bushel about $1.25. Current prices quoted on application.

White Spring Oats
Our best reseeded stock of these are Choice Northern grown, all heavy oats, which have been reseeded by us. Bushel 75c.

Rust-Proof Oats
A favorite spring variety in the South, particularly where the land is rich; produces enormous yield, and excellent for cutting for hay. Bushel 75c.

Southern Cow Peas
There is no surer or cheaper means of improving and increasing the productiveness of our soils than by sowing Cow Peas. It makes an enormous growth, enabling the farmer to put plenty of nitrogenous vegetable matter into the soil at a small cost, and so very largely enables him to dispense with the use of nitrogenous commercial fertilizers, and has the power to extract this costly nitrogen from the atmosphere and to store the same in the vines and roots, so that if the crop is cut off, the land is still enriched and its condition improved. From five to ten bushels of green fodder per acre have been produced by the Cow Peas. It is a profitable crop and they are valuable. For ensilage they are unsurpassed. When it is desired to turn the whole crop under, as a soil improver, it is better to do so after the vines are partly dead. Cow Peas can be sown in May or June, at the rate of one and a-half bushels per acre.

Black Eye.—A prolific vine-growing variety of merit, seed often sold for table use. Peck 50c.; bushel $2.50.

Whippoorwill.—A favorite early bunch-growing variety; has broccoli-like large leaves which are more easily gathered than from the vine-growing sorts. This variety is a prime favorite in the North and West on account of its early maturity and habit of growth. Bushel $2.50. Price fluctuates.

Canada Field Peas
These field Peas are entirely different from the Cow Pea, requiring to be sown early in the spring, making their crop ready for cutting in May or June. They can be sown in open weather during December, January, February and March, and making large yields of most nutritious food, which can be used either green or cured for hay. It also makes a good green manuring crop to turn under, but is not equal in this respect to Cow Peas. They can be sown alone at the rate of two bushels to two bushels to the acre, but a light seeding of oats, rye or barley will increase the yield and help to support the pea vines when the crop comes to maturity. The crop is ready for cutting in May and June, and cures easily and makes splendid hay. Price fluctuates. Price, January 1st, peck, 50c.; bushel $2.35. Special price quoted on large lots. Cotton bags, holding two bushels each, 15c. extra.

Soy, or Soja Beans
A Great Drought-Resisting Forage Crop, Producing Immense Quantities of Nutritious Food, Beside Being an Excellent Soil Improver.

The Soy Bean is coming right to the front as a great soil enricher, as a food for hogs or cattle, both in the green and dry state. In some parts of the South it is extensively grown only for feeding pigs. Agricultural Bulletins throughout the Southern States praise it without stint. To grow under in the South it certainly one of the very best plants, next to Cow Peas, to sow on account of its soil-enriching qualities. It will draw from the Cow Peas for the fertilizer needed. Peck 75c.; bushel $2.50. Subject to market fluctuations.

Sand, or Winter Vetch
Sometimes called Hairy Vetch. The most valuable of all Vetches. It succeeds on nearly all soils and is specially recommended for poor lands, where it thrives and improves the soil wonderfully, as it is very rich in nitrogen. It belongs to the pea family, but the vines are more leafy and longer. It may be sown in the spring or in the fall, preferably with rye. It remains green all winter and is valuable for early pasturing, as well as a fertiliser. Peck $1.50; bushel 60 lbs. $6.00.
**Flower Seeds.**

Our Flower Seeds are Selected with Great Care, from the Best English, French and German Seeds. A Trial will Satisfy You as to Their Superiority.

**Amaranthus.**

The varieties are of two types, one of which is valued for the brilliant coloring of the leaves, while the other has large feathery plumes or sprays of rich crimson coloring. Plants are of quick growth, and seed may be sown early in spring where the plants are to stand, or young plants may be started in a seed-bed and transplanted to the flower-beds.

Caudatus ("Love-Lies-Bleeding").—Plants of stiff, erect growth, three or four feet in height, with numerous pendant feathery sprays of rich deep crimson. Pkt., 5c.; oz., 25c.

Splendens ("Rainbow Plant").—Of stiff, erect growth, with a single stalk three to four feet in height. When plants are fully grown the terminal leaves take on beautiful colorings of yellow, crimson and scarlet, in most showy blending. Pkt., 5c.; oz., 40c.

Salicifolius ("Fountain Plant").—Grows two to three feet in height, freely branching and of pyramidal form. Both stems and narrow leaves are of a deep purple coloring, uniform with the slender feathery spikes. The slender branches grow in a slightly drooping manner, producing a graceful effect, and suggesting the resemblance to the fine spray of a fountain. Pkt., 5c.; oz., 35c.

Tricolor ("Joseph's Coat").—This is similar to Splendens, having a single erect stalk and brilliantly colored leaves when of full growth. The rich yellow and red coloring are rendered distinct by contrasting dark green of the strong foliage. Pkt., 5c.; oz., 30c.

**Alyssum, Sweet.**—Koeniga.

One of the earliest and most attractive spring flowers. Very fine for beds of edging. Of easy culture, and blooms freely the whole season.

Sweet Alyssum.—The ordinary variety grows eight to ten inches in height, producing spikes of small, fragrant white flowers. Pkt., 5c.; oz., 20c.

Little Gem.—Very compact growth, three or four inches high, but a single plant will cover a space up to three feet in circumference. Grows quick from seeds and will bloom when quite young. The abundance of flowers is simply enormous, 300 blossoms having been counted on a single plant. Pkt., 5c.; oz., 20c.

**Argeratum.**

Free flowering bedding plants of low growth, contrasting well with Geraniums. Suitable for pot culture in winter or bedding out in summer. Flowering continually and profusely.

Mexicanum (Lavender).—Blue, one-and-a-half feet high, 6c.

**Antirrhinum.**—Snapdragon.

Beautiful spikes of gaily colored flowers, produced abundantly the first summer until after frost. Dwarf varieties. Best mixed. Pkt., 5c.

**Picturatum.**—Choice fall varieties, mixed. Pkt., 5c.

**Aster.**

Now the seed from the middle of March to the first of May, in shallow boxes in the house or in a hot bed. When the young plants are an inch high, transplant to a warm bed of finely pulverized soil, from whence they can be transplanted where they are to bloom. Moist weather is the best for transplanting. While distinctly an annual, many of the varieties self-sow, and come up in profusion in the spring. Seed can be sown in the open ground as late as the last of May, but they will bloom quite late. Asters also make splendid pot plants, requiring fine, rich soil, and plenty of water.

Trulliant's Peony-Flowered Perfection Asters.

—One of the finest and most popular strains. The plants grow swiftly erect, 18 inches to 2 feet in height, branch freely and produce large, well-shaped flowers on long stiff stems. The petals are incurved, giving the flowers a globular or lall-shaped form. We offer this finest type in mixture embracing a wide range of most distinct colors. Pkt., 5c.; oz., $1.25.

Dwarf Peony Aflfection.—The flowers of this strain are identical in form and style of growth with the preceding type, but the plants only grow 12 inches in height when in full bloom. They are of neat, compact, stiffly erect habit and flower profusely. While the plants are of dwarf growth the flowers are of large size, fine form and perfectly double, with beautifully incurved petals. We offer a strain of finest mixed colors, including all the best shades and colorings. Pkt., 5c.; oz., $1.50.

No discounts, but the best values in dependable seeds
Half Dwarf Comet Aster.

This is the most distinct and improved type of flower in Asters as well as the earliest period of bloom. Under good cultivation plants grow twelve to eighteen inches in height, branching freely, and each stem terminates in a fine large flower two to two and a-half inches in diameter. The outer petals are broad, flat, and reflexed or curving outwards, while the centre of the flower is composed of many short tubular petals, slightly pointed. The whole flower has a distinctly feathery effect, greatly resembling that of the fine Japanese Chrysanthemums.

Improved Large Flowering.—Extra fine mixed. Pkt., 5c.; oz., $1.50.

Half Dwarf Victoria Aster.

A magnificent race of Asters, grown largely by florists to furnish cut flowers during the summer and fall. It is equally attractive as a fine bedding plant. The flowers are very large and double, with petals beautifully reflexed. Plants grow one and a-half feet in height, are of pyramidal form and each produces ten to twelve fine flowers on long stems.

New White Branching.—Pkt., 5c.; oz., $1.50.

Choice Mixed, All Colors.—Pkt., 5c.; oz., $1.25.

Dwarf Chrysanthemums Flowered.

Of very compact growth, flowers from three to four inches in diameter and very abundant; later than other varieties, therefore valuable for succession; ten inches high.

Extra fine mixed. Pkt., 5c.; oz., $1.50.

Cypress Vine. (See Climbers.)

Convulvulus. (See Morning Glory.)

Balsam.

(Lady Slipper, or Impatiens.)

One of the most popular of summer annuals, bearing masses of beautiful flowers until frost. Some of the varieties rival the rose in shape, size and coloring. The flowers are borne at intervals upon an upright stalk, and are much used by florists for groundwork of designs. Sow seed in May, where flowers are intended to bloom.

Double Mixed.—Pkt., 5c.

Camelia Flowered.—From magnificent collection of double varieties; fine mixed colors; height two feet. Pkt., 5c.

Bachelor's Button.

(Lychnis Ditoica.) Very old favorite hardy annual; flowers freely in almost any situation; for cut flowers they are largely used both in Europe and in this country, a little bunch being a favorite bouteonniere. Pkt., 5c.

Calendula. (See Marigold.)

Candytuft.—(Iberis.)

Universally known and cultivated, and considered indispensable for cutting. Hardy annual; one foot high.

New Giant Hyacinth Flowered.—A new variety of great beauty and most desirable for cut-flower purposes, producing a very large elongated head of quite large pure white florets. The immense broad heads of florets frequently measure six inches in length. It is really an improved selection of the Giant Empress. Pkt., 5c.; oz., 75c.

Giant Empress.—Heads of pure white flowers. Pkt., 5c.; oz., 60c.

Choice Mixture.—Pkt., 5c.; oz., 20c.

Canterbury Bell.

(Campanula Medium.) Handsome, hardy biennial of stately growth, rich color and profuse bloom, succeeds best in light, rich soil, and should be transplanted two feet apart. Has large bell-shaped flowers, which are strikingly effective.

Double white, blue, mixed and single mixed. Pkt., 5c.

(8 LARGE SIZE 5C. PACKAGES FOR 25c.)

No discounts, but the best values in dependable seeds
CARNATIONS

The most magnificent of all the Pink family, and universal favorites for their delicious fragrance and richness of color. Seeds may be sown under grass in Spring, or in open ground, but must be protected in Winter. Half-hardy perennials.

Marguerite Carnations.

These splendid early-flowering Summer Carnations are deservedly popular, and with good reason, as they come into full bloom early in the season and continue until hard frosts. Our strains are semi-dwarf, and strong growers. The large double flowers are produced on long stems, and range through a great variety of elegant colors, besides being very sweet-scented. (See Illustration.) Our mixture is splendid. Pkt. 5c.; ¾ oz. 25c.

Grand Marguerite Carnations. — A much improved class, with enormous flowers, which are often three inches across. The colors are the most varied, and intensely brilliant. Gorgeous in borders. Very best mixed sorts, Pkt. 10c.

Chabaud’s Everblooming. — Another fine Carnation that comes into bloom in about five months from seed; of large size, fine range of colors, very sweet-scented, long stems, profuse and continuous bloomers. Pkt. 10c.

Carnations, Finest Double Mixed. — Seed saved from the finest named flowers. Pkt. 10c.

Carnations, Fine Double Mixed. — A very choice mixture. Pkt. 10c.

Carnations and Plectes. — All classes; superb double mixed; of unrivalled quality and size; certain to give satisfaction to the most critical growers. Pkt. 25c.

Dwarf Vienna. — An early-flowering Carnation, very double, of the choicest colors. Endures the Winter with slight protection. Pkt. 10c.

CHRYSANTHEMUMS

Chrysanthemums have deservedly become very popular; they are showy and effective in the garden and very desirable for cut flowers.

Elise Walker. — Pkt. 5c.

Double Coronoarum, Mixed. — Compact bushy growth, 18 inches in height. Flowers quite double, three-quarters to one inch in diameter, shading from white and light lemon-yellow to rich deep orange.

Hybldum. — Double, finest mixed. Pkt. 5c.; oz. 25c.

COBEA (See Climbers)

(8 LARGE SIZE PACKAGES FOR 25c.)

No discounts, but the best values in dependable seeds

CENTAUREA

Maritima (Dusty Miller). — Fine silvery white foliage; used extensively for ribbon planting, hanging baskets, vases, decorative pot plants, etc. Perennial, but usually grown as annual. 1 foot. Pkt. 10c.

CLARKIA

Pretty, profuse flowering annual, much used for edging, and to good advantage grown to one and a-half feet in height, and their colors are confined mostly to red and white, separate and in combination. Useful for hanging baskets and vases. Pkt. 5c.

COLEUS

Probably there is no other kind of ornamental foliage plant so well known and universally admired as the Coleus. The leaves are of many shapes, shades and colors, and nearly all have a rich velvety appearance of extraordinary beauty. No yard should be without these decorative plants.

Tender Perennial. — Mixed. Pkt. 10c.

COREOPSIS

(Calliopsis.)

Very handsome and showy plants, with numerous flowers, of brilliant colors and of long duration in bloom. Pkt. 5c.; oz. 20c.

CINERARIA

A favorite free-flowering greenhouse plant of wondrous beauty. The flowers of great richness and diversity of color. Cinerarias bloom during the Winter and Spring months, and may be planted out in the flower garden. These plants thrive best in a mixture of loam, leaf-mould and sand.

Prize Mixtures. — Contains only the richest and most beautiful colors. Compact and branching plants; blooms very large. (See Illustration.) Pkt. 25c.

CYCLAMEN

Well known and universally admired. Tiiborous flowers are most dwarf. Besides the two preceding, this also contains flowers of deeper pink and crimson shades. Pkt. 5c.; oz. 20c.

COSMOS

Pure White. — This is the original type, having pure white flowers. Flowers are not so large nor growth so strong as in the improved varieties, but it begins to bloom about two weeks earlier; they are very useful for cutting. Pkt. 5c.; oz. 25c.

Pure Pink. — This is similar, but of a beautiful soft shade of rose-pink. Pkt. 5c.; oz. 25c.

Alba Rosea. — Rosea flowers are more compact. Besides the two preceding, this also contains flowers of deeper pink and crimson shades. Pkt. 5c.; oz. 25c.

Dawn. — A new early-blooming strain of dwarf growth, which begins to bloom in July and continues to flower throughout the season. The large circular flowers are of glowing red, delicately tinted with rose on a white ground. Plants are of compact bushy growth, about four and a-half feet in height, but begin flowering when only two feet high. Pkt. 15c.; oz. 40c.

New Mammoth. — They embrace many shades of rich crimson and many together with pure white and white delicately tinted and clouded with pink and rose. These are also monstrous white flowers with flecked and serrated edges, and with pink and crimson flowers of the same type. The dark crimson flowers frequently resemble those of a large single dahlia. Plants of this variety are of the free-blooming growth, generally six feet in height; the dense growth of finely cut dark-green foliage forms a splendid setting for the starlike flowers. Owing to the strong growth of this strain, it is rather later in blooming than small flowered types. Pkt. 6c.; oz. 25c.

J. MANN’S & CO’S
SUPERIOR SEEDS FOR 1913

Baltimore, Md.
**Dianthus.**—(Chinese and Japanese Pinks.)

These popular biennials flower freely the first year from seed. In most localities the plants are quite hardy and produce even larger and finer flowers the second year. Seed should be sown thinly in shallow drills when trees are starting out in leaf. When well started, young plants should be transplanted out or transplanted, so that dwarf varieties may stand six inches apart and the larger ones eight inches apart in the row. Plants begin to bloom early in summer and continue until destroyed by hard frosts.

**Chinensis.**—(Double Chinese Pinks)—Compact plants, with large clusters of small double flowers in a wide range of colorings. Pkt., 5c.; oz., 25c.

**Heddewigii.**—Finest single mixed. Very large fringed single flowers, frequently two to three inches in diameter, a very fine garden annual. Pkt., 50c.; oz., 50c.

**New Large-Flowering Dwarf Double Hybrid Pinks.**—The dwarf plants are heavily laden with large double flowers of perfect form and most brilliant colors—frequently three inches across. They embrace all colors from pure white to deep crimson, and are mostly variegated in fantastic markings. Pkt., 5c.

**Plumarius.**—(Gloce Pink).—Finely fringed silvery-white flowers, beautifully shaded with light lavender-purple; strong clove fragrance; blooming in clusters on a long stiff stem. Pkt., 6c.

**Semperiflora.**—Florists' Perpetual Pink. Large clusters of very finely fringed snowy-white flowers, on a tall, stiff stem. Strong clove fragrance; desirable for cut flowers. Pkt., 5c.

**Daisy.**—(Bellis Perennis.)

This is the beautiful little double Daisy of which the poets have sung so sweetly. It grows but three inches high, and bears a profusion of beautiful red and white flowers. Makes a splendid edging, and is an early and persistent bloomer. Pkt., 5c.

**Eternal Flower.**—(Helichrysum.)

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.

**Bracteatum.**—Double mixed. Pkt., 5c.

**Bracteatum.**—Double red. Pkt., 5c.

**Feaverfew.**—Golden Feather.

A highly ornamental golden-yellow foliage plant, unexcelled for bedding, one and a-half feet. Pkt., 6c.

**Forget-Me-Not.**—(Myosotis.)

Nest and beautiful little plants with star-like flowers, succeeding best in a sunny, moist situation; half-hardy perennials, blooming the first year from seed it sown early. Pkt., 5c.

**Fox Glove.**—(Digitalis.)

A handsome and highly ornamental hardy perennial plant of stately growth, fine for shrubbery and other half-shady places; three feet. Pkt., 5c.

**Gilia.**

Mixed.—Very dwarf plants of compact growth and great freedom of flower which are produced in close heads; small saucer-like flowers in a wide range of coloring. Seed should be sown thinly in open ground early in spring when the trees are starting out in leaf. Pkt., 5c.

**Heliotrope.**

These are deliciously fragrant flowers, remaining in bloom a long time, fine for pot culture or bedding; one and a-half feet. Half-hardy annuals. Large flowering hybrid. Mixed pkt., 5c.

**Ipomoea Moonflower.**—(See Climbers.)

Joseph's Coat.—(See Amaranthus Tricolor.)

**Lathrus Perennial Peas.**—(See Climbers.)

**Hollyhock.**

Splendid tree flowering perennial, producing beautiful double flowers on spikes four to six feet in height. In the second spring from seed, seed may be sown thinly in shallow drills at any time during spring, but germinates best when the ground is cool and moist. If young plants are well started transplant to beds or borders, setting them one to two feet apart. Beds or borders in which they are to grow should be of light rich soil, slightly raised or rounded to insure good drainage during the winter. Plant will continue to grow and bloom for several years if the flower spikes are cut off as soon as they are done blooming. Double finest mixed. Pkt., 5c.; oz., 25c.

**Larkspur.**—(Delphinium.)

One of the most showy and useful plants, possessing nearly all requisites for adornment of the garden.

**Dwarf Rocket.**—Double extra fine, mixed. Pkt., 6c.

**Lobelia.**

A beautiful and popular flower, very desirable for pot culture, beds or hanging baskets because of its trailing habits. Grows easily and does well in beds and rockeries. Bears a profusion of blue and white flowers.

**Erinus.**—Mixed Trailer. Pkt., 5c.

**Crystal Blue.**—Pkt., 5c.

**Lupins.**—(Lupinus.)

Large showy plants for beds and borders. Should be sown where they are to bloom, as they do not transplant well. Flowers in long, graceful spikes of rich and varied colors. Large rose. Pkt., 5c.

**Mignonette.**

A well-known plant producing semiglobular heads of very fragrant flowers on spikes 3 to 10 inches long. Sown at intervals during the spring and early summer it will bloom until killed by frost; sown in autumn will bloom early in spring. Hardy annual; perennial if protected.

**Tusedia Odorata (Sweet Mignonette).**—A well known fragrant hardy annual. Pkt., 5c.; oz., 10c.

**Macchi Extra.**—Finest for pot culture, with fine reddish erect thick spikes, exclusively grown from selected stock. Foliage somewhat darker than other Mignonettes. Pkt., 5c.; oz., 30c.

**Gabrielle.**—New red flowering, very sweet, spikes very thick, one of the best. Pkt., 5c.; oz., 20c.

**Morning Glories.**—(Dwarf.)

These are of low-spraying growth, 10 to 12 inches high and 2 feet across, bearing a profusion of delicate bell-shaped flowers 1½ inch in diameter, which resemble the tall varieties. They remain open, however, much later in the day than flowers of the tall climbing varieties. Seed should be sown thinly in shallow drills when trees are starting out in leaf. When well started thin out or transplant to stand 10 inches or more apart. All colors mixed. Pkt., 5c.; oz., 10c.

**Tall Morning Glories.**—(See Climbers.)

**Memorica.**—(Balsampealr.)—(See Climbers.)

**No discounts, but the best values in dependable seeds!**
Marigolds.—(Dwarf French.)

Well-known garden favorite of quick growth and very free-flowing habit. Seed can be sown thinly in shallow drills when the flowers are starting out in leaf, or the young plants may be started in boxes of light earth in the same manner as a warm room and set in the flower bed when danger of frost is over, thus producing flowers early in the summer. This Dwarf French is characterized by bushy, double, full-centered flowers, twelve to fifteen inches in diameter, rich and glowing in color, double mixed. All shades of large double flowers. Pkt., 6c.; oz., 20c.

**Marigolds.—(African, or Tall)**

Plants grow two and a-half feet high, producing large, very double, full-centered flowers, two and a-half to three inches in diameter. Rich and glowing in color, double mixed. All shades of large double flowers. Pkt., 6c.; oz., 20c.

**Nasturtium, Dwarf.—(Tropaeolum)**

One of the most satisfactory flowers in the whole list to grow, for they will thrive in any situation and in any kind of soil; the poorer the soil the more profusely will they bloom, as rich soil tends to retard the growth of the foliage rather than that of the flowers. Great improvement has been made in the size and color of the flowers. They run the entire gamut of colors from white to black, and some of the combinations are most beautiful. One great advantage they have is that the flowers are plucked for the more profusely will they bloom. All colors, fine mixed. Pkt., 6c.; oz., 15c.

**Tall Nasturtium.—(See Climbers.)**

**Moonflower.—(See Climbers.)**

**Marvel of Peru, or 4 o'clock.—(Marabillis)**


**Nicotiana, or Tobacco Plant**

Affinis.—A handsome genus of garden plants of the Tobacco family, which in abundance are noted for the freedom and fragrance of their bloom. Half-hardy annuals, three feet high. Flowers white, silvery-colored, having long, tubular corollas, and are of exquisite fragrance. Deserve a place in every garden. Pkt. 5c.

**Poppy.—(Papaver)**

Tulip flowered. — Produces large, splendid bright scarlet flowers well above the foliage. The two outer petals of the flowers form the cups, which are noted for their beauty, reminding one of a dazzling bed of tulips; hardy annual; about one foot high. Pkt. 5c.; oz. 20c.

Improved Double Carnation. — A grand strain embracing a wide range of different shades and colors in these beautiful flowers, all of which are wonderfully double and petals beautifully fringed. Pkt. 5c.; oz. 20c.

**Portulaca, or Mexican Rose.**

There are scarcely any flowers in cultivation that make such a dazzling display of color as Portulacas. They are in bloom from about the first of July till killed by frost in autumn. Tender annuals; about six or eight inches high. They will stand any amount of dry weather.

**Finest Single, Mixed.** — This embraces the greatest variety of colors and markings. Flowers are self-colored in rich glowing shades, and the plants are bright and striped and fringed with contrasting colorings. Pkt., 5c.; oz., 35c.

**Double Rose Flowered, Mixed.** — This strain is unsurpassed for brilliance and beauty. From our choice strain more than half the plants will produce magnificent double flowers; single flowered plants can be pulled out, leaving the double ones to spread over the entire surface of the bed. Pkt., 5c.; oz., $1.00.

**Petunia.**

The two varieties of single Petunias are very distinct, one producing numerous small flowers, and the other, the Grandiflora section, bearing immense flowers four to five inches in diameter. For bedding the former variety is the better, but for single specimens the latter gives the greatest satisfaction. They are very hardy, free-flowering, and bloom from June until frost.

**Hybrida, Mixed.** — This includes the brightest striped and spotted colorings of the regular small flowered Petunias. It makes a fine display when sown broadcast and allowed to grow thickly. Pkt. 6c.; oz., 50c.

**Extra Large Flowering, Mixed.** — Plants of strong, vigorous growth and great freedom of flower. The flowers are of large size, with larger and more spreading throat than those of the common varieties, and come in many bright shades of coloring. Pkt., 10c.; ½ oz., $1.00.

**New Giant of California Petunias.**

The flowers are exquisitely fringed and striped and of enormous size, often measuring nine inches across, but their great merit lies in the innumerable colorings and stripings; some of the colors are rich and gorgeous, and others of lovely delicate shades.

**Splendid Mixed, Cholce Varieties.** Pkt. 15c.

**Phlox.—Drummondii**

Fine Mixed. — An excellent strain containing all colors of the original well-known Drummond Phlox. Pkt. 5c.; oz., 50c.

**Starred and Fringed Phlox.** — These are the most distinct and striking Phlox we have. The flowers have a most distinct and star-like appearance, their attractiveness being greatly enhanced by the broad, white margins which border the edges of the petals. Mixed. Pkt. 5c.

**Star of Quedlinburg.** — Star Phlox, extra choice mixed. Pkt. 5c.

(8 LARGE SIZE 5c. PACKAGES FOR 25c.)

No discounts, but the best values in dependable seeds.
Salvia, Splendens

Under our hot summer sun this flame colored beauty is the most gorgeous of all plants. For months the blaze of flaming scarlet is intensely brilliant, with great spikes of bloom completely concealing the foliage. A single plant will carry as many as two hundred spikes of flowers, each spike 10 to 12 inches in length. A " packet " contains more than one hundred seeds. Pkt. 5c.

Stock, Ten Weeks

All the varieties are desirable as pot plants, as well as in the open garden. They are greatly prized for cut flowers on account of their fragrance and colors.

Giant Perfection.—A splendid race, growing two and a-half feet high, with large spikes of perfect double flowers of great substance and beauty. Mixed. Pkt. 5c.

Dwarf German Bouquet.—Large flowering. Mixed. Pkt. 1c.

White Perpetual—(Princess Alice; or, "Cut and Come Again").—Of strong growth and fine branching habit. It grows to the height of one and a-half feet, and if sown early will produce uninterrupted a great abundance of bloom from June until November. The individual flowers are uncommonly large, of a fine, rosette-like shape and possible white. The flowers appear on each little shoot, and the offener they are cut the better they seem to like it. Pkt. 10c.

Sweet William

(Dianthus Barbatus.)

For display in the garden the Sweet William is unsurpassed. The seed can be planted very early in the spring in open ground and will blossom the following summer or it can be sown in August and will make fine blooming plants for autumn. Hardy perennial; one and a-half feet high.

Fine Mixed.

—Pkt. 5c.

Mixed Double.—Many colors. Pkt. 5c.

Passiflora—(See Climbers)

(8 LARGE SIZE 5c. PACKAGES FOR 25c.)

No discounts, but the best values in dependable seeds
SWEET PEAS—A Superior Collection

WHITE.

Mont Blanc. The earliest for forcing, coming into bloom easily in nine weeks from sowing the seed. Pure white; medium size, open form. Plant is quite dwarf.

Dorothy Eckford. The latest improved and best pure white in existence, is semi-hooded, of best form, with large wings, and very large standard, which average two inches across. Is similar in effect to Burpee's Earliest, but is fully one-half larger.

Shasta. The vines are vigorous in growth and have a long season of bloom, the flowers coming in threes and frequently fours on long stiff stems. Upon first opening the flowers have a creamy tint which changes to an ivory-white; both standard and wings are fluted on the edges.

Emily Henderson. A deservedly popular early white of excellent substance and purity; bears two or three (sometimes four) medium to large flowers on long, stiff stems.

PICOTEE EDGED.

Dainty. The beautifully formed large flowers, upon first opening, appear to be white, but quickly change to "white with pink edge."

Lottie Eckford. Large silvery-white flowers, beautifully shaded and edged with soft lavender.

Maid of Honor. The flowers are beautifully shaded with light blue on a white ground and edged with narrow border of deep rich violet.

Phenomenal. The flowers are silvery white, faintly suffused with soft pink and beautifully edged with rich purple.

CLEAR PURPLE.


LIGHT PINK.

Countess of Lathom. A soft cream tint heavily shaded with flesh-pink.

Price of all named varieties, ½ lb. 30c, lb. $1.00; Price Superior Mixed ½ lb. 25c, lb. 75c.

Jeanie Gordon. Standard bright rose on primrose ground; wings creamy, suffused rose.

Katherine Tracy. Soft rosy pink, lighter at edges. A fine large flower, but only two on a stem.

Lovely. Beautiful shades of soft shell-pink, changing to very light rose at the outer edges.

Modesty. In strong sunlight it is seemingly a silvery white, but the suffused pink tint is clearly shown on closer examination.

Prima Donna. A most beautiful bright shade of pure pink. Flowers of large size and finest form.

Queen of Spain. A delicate peach-blossom pink with slight apricot tinge.

DEEPER PINK.

Apple Blossom. Heavily shaded and edged with deep pink and soft rose on silvery white.

Janet Scott. A beautiful rich pink. The unusual size of the wings, with the large substantial hooded standard, give the flowers an appearance of enormous size.


ROSE.

Lord Roseberry. Large bicolored flowers, of a rose-carminine, with veins of deeper rose.

Prince of Wales. A bright self-colored deep rose tint. Per pkt. 5c; oz. 10c; ¼ lb. 30c; per lb. $1.00, postpaid.

PRIMROSE, OR LIGHT YELLOW.

Earliest Sunbeams. The flowers are borne three on a stem and produced extremely early; of a rich primrose color. Fine for forcing.

Mrs. Eckford. A beautiful shade of light primrose yellow.

Hon. Mrs. E. Kenyon. A bold, giant flower of a beautiful primrose color.

Stella Morse. Has a faint tinge of pale underlying shade; most beautiful for bunching.

CRIMSON AND SCARLET.

King Edward VII. The standard is of a bright crimson scarlet, wings of same shade of color, only not so bright. The long stems invariably carry three fine flowers.

Prince Edward of York. Flowers of extra large size and boldly expanded form. Standard is of a bright glowing scarlet, bordering on salmon, while the broadly-spreading wings are soft deep rose.

Queen Alexandra. This is an intense scarlet of grand texture—a bold expanded flower of finest form.

Salopian. This has been the finest scarlet until introduction of King Edward VII. and Queen Alexandra.

ORANGE AND SALMON.

Miss Wilmott. A very effective standard orange pink, showing veins of deeper orange pink. Very large size, semi-hooded form of the very best type, with long stems.

LAVANDER AND LIGHT BLUE.

Lady Grisel Hamilton. Standard mauve, wings lavender, large size, hooded form. It is the largest and lightest shade of lavender varieties.

Captive. Of a deep magenta shade.

Countess Cadogan. A light bluish purple standard; clear blue wings.

VIOLET AND MAROON.

Othello. Very dark maroon; showing veins of almost black. Practically a self-color. Large size, hooded form.

Black Knight. Very deep maroon self-colored. The veins on the middle of the standard showing almost black. Large size, open form.
WALL FLOWER

The large, massive spikes of the Wall Flower are very conspicuous in beds and borders, and very useful in making bouquets. Sow the seed early in hotbeds, and while the plants are small price them out into pots, and sink them in the earth. On approach of cold weather remove the pots to the house and they will bloom all winter. Tender perennial, one and a-half feet high.

Fine German Double Mixed.—Tall spikes of deliciously fragrant double flowers; shadings of chocolate brown and orange purple. Pkt. 5c.

Single Mixed.—These bloom with great freedom; tall spikes of large florets in a number of distinct shadings and many brightly marked. Pkt. 5c.

VERBENAS

One of the best known and most satisfactory flowers to raise either for its splendid display in the garden or for cutting purposes. By sowing the seed very early under glass and transplanting when three or four inches high, good vigorous plants may be raised which will bloom most abundantly in July, and continue until killed by frost. As a rule, Verbenas grown from seed are gathered from the choicest flowers, and are done in the following way.

Hybrida, Extra Fine Mixed.—Rich and brilliant colors. It is one of the finest strains of Verbenas. Pkt. 6c.

Carlet Defiance.—Deepest green foliage; quite large trusses of brightest scarlet, intensely rich and glowing. Pkt. 6c.

Marley White.—(Sea Foam, or Candida Alba).—A fine strain of large flowering pure white Verbenas. Excellent for cutting. Pkt. 10c.

New Mammoth.—This strain produces uniformly magnificent trusses, of which the individual flowers are all of unusual size, and which also embraces a wide range of colors. Pkt. 10c.

VIOLETS

Well-known, free-flowering, hardy perennial, easily grown from seed. Succeeds best in a partially shaded, moist situation. Height, 6 inches.

Sweet Scented.—Flowers blue, fragrant. Pkt. 5c.

Wild Flower Garden, or Children’s Garden

Nothing in the way of flowers delights children more than this "Wild Garden," chiefly because they can be allowed to pick their own bouquets without stint. Keep out the weeds and the plants will do the rest.

Our Extra Choice Mixture contains many kinds and colors of splendid easily grown flowers, and has become very popular wherever known. Large pkt. 5c.; oz. 25c.; 100 per lb. 75c.

ZINNIA—Youth and Old Age

Pompon.—Flowers are very double, the petals being piled up closely in a symmetrical, smoothly round cone. Colors range from pure white, through deep creams and back to a bright chrome yellow, and from softest pink to deepest crimson. Pkt. 5c.; oz. 50c.

Robusta Grandiflora.—Of unusually robust habit of growth and immense size, the perfectly formed very double flowers are of various striking colors. Plants three to three and a-quarter feet high, and bloom during a long period.

Dwarf Snowball.—Dahlia-like flowers, a perfect double and of the purest snow-white. Pkt. 10c.

FALL PLANTING BULBS

Some of the most beautiful and fragrant of all flowers grown belong to this class, and when potted in the house they come into bloom just at the time when flowers are most wanted and most difficult to obtain. Our bulbs arrive from Holland about September 15th. The best way is to order during the spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for Fall Catalogue, which contains a full descriptive list. Ready September 1st.

Hyacinths.—First size double or single named varieties. Each 7c.; doz. 75c. First size varieties in separate colors. Each 5c.; doz. 40c.

Hyacinths Miniature.—Three separate colors. Each 3c.; doz. 25c.

Tulips.—Single or double mixed. Doz. 15c.; $1.00 per 100.

Narcissus or Daffodils.—Named varieties, $1.25 per 100. Mixed varieties $1.00 per 100.

Crocus.—Mixed or separate colors. 50c. per 100.

Chinese Sacred Lilly.—Each. 10c.

Snow Drops.—Extra fine bulbs. Single, doz. 10c.; double, doz. 20c.

Frezeias.—Doz. 10c.; 75c. per 100.

Jonquils.—Double and Single. 50c. per 100.

White Calla.—Ready in August. The White Calla, or Lilly of the Nile, is a well-known plant of easy culture, and in winter is one of our best window plants. To aid profuse blooming, keep them dormant from the middle of June to last of August, repot in good, rich soil, retaining a 4 to 6 inch pot, give water, heat and light in abundance, and the result will be most satisfactory. Large bulbs, each 10c.; extra large bulbs, each 15c.

Florists and large buyers of Lilly and Dutch Bulbs will find it greatly to their advantage to get our wholesale prices. No discounts, but the best values in dependable seeds.
Balsam Apple.— (*Momordica.*)

A very pretty vine. Grows rapidly and yields a handsome yellow fruit. Grows both ornamental and useful. Suitable for arbors or lattice work. Pkt., 5c.

Balsam Pear.— (*Momordica.*)

Fruits are six inches or more in length. Vines are highly ornamental when set with ripened fruits, the rich yellow skin and scarlet seeds contrasting nicely with the finely cut dark green foliage. It is this variety which is most frequently used medicinally. Pkt., 5c.; oz., 55c.

Balloon Vine.— (*Cardiospermum.*)

A rapid growing handsome summer climber, having small white flowers, which are followed by seed vessels shaped like small balloons; grows from ten to fifteen feet. Pkt., 5c.

Canary Bird Flower.— (*Tropaeolum.*)

Well-known and desirable climbing plant of rapid growth, highly ornamental foliage and producing hundreds of its elegant, fringe-like, pale yellow flowers. Luxuriant and rambling vine, and it is easily trained, making a most pleasing effect. Pkt., 5c.

Cobæa.

A fine, rapid growing annual climber, with handsome foliage and large, beautiful bell-shaped flowers. Seeds should be started in a hot bed or by a warm window in the house, in rather dry soil, as they are apt to rot in open ground. In sowing, place the seed edge down, and do not water unless in a warm place and the soil becomes very dry. A well established plant will run fifty feet in a season and cover a large veranda. Pkt., 5c.

Mixed Cypress.— (*Spourea.*)

Delicate climbers and abundant bloomers for windows, baskets, vases and trellises, or for open grounds in summer. Should be in every collection. Pkt., 5c.

Nest-Egg Gourd.— (*Cucurbita.*)

A very pretty vine, bearing fruit closely resembling a white egg, and is sometimes used as a nest egg. Pkt., 5c.

Towel Gourd, or Luffa.

Many ladies prefer a dish-cloth made of this gourd to anything else, as it is always sweet and clean as long as any part of it is left. Pkt., 5c.

Gourd, Mixed.— (*Cucurbita.*)

Fine for screens, trellises or shading, being a rapid grower. Has curiously shaped fruit. Pkt., 5c.

Mock Orange.— (*Phyladelphus.*)

One of the old standard vines, desirable for trellis or shading, and produces a gourd resembling an orange. Pkt., 5c.

Moon Flower.— (*Ipomoea Mexicana Grandiflora.*)

Very pretty, rapid growing vine, with handsome bright colored trumpet-shaped flowers. Excellent for covering walls, arbors or lattice-work. Blooms at night. Pkt., 5c.

Passion Flower. (*Passiflora.*)

A most interesting and well known order of climbers, bearing singularly beautiful flowers. Pkt., 5c.

Coccinea. Pkt., 5c.

Brilliant scarlet blossoms in the form of a double coronet or crown. Magnificent greenhouse climber.

Smilax.

Charming tender perennial climber for greenhouse or window gardens; it forms "strings" 6 feet long, which are extensively used for decorating, and is grown in many greenhouses. An interesting and useful vine, the foliage and stems are of pretty light green; very graceful; delicate; remains fresh after being cut for several days. Pkt., 5c.

Thunbergia.— (*Black-Eyed Susan.*)

Mixed. Free flowering climbers of rapid growth. May be trained on a slender trellis or allowed to run freely over the ground. Flowers are very bright in coloring, coming in pure white, yellow and deep orange, each distinctly marked with a deep black eye in the center. They are very bright and showy. Seeds should be sown in open ground when trees are well out in leaf. Pkt., 5c.; oz., 30c.

New Climbing Nasturtium.

"Hybrids of Madam Gunther."— An entirely new strain of French origin, most remarkable for their wide range of exquisite colors, showing pink, purple, rose, salmon, light yellow, dark maroon, deep orange, etc., etc. Also striped and blotched, mottled and variegated in the most fantastic manner. They are strong growers, climbing 6 to 7 feet, with rich dark foliage. Fine for porches, arbors, or trellising on the ground. Half hardy annual. Pkt., 5c.; oz., 25c.

Scarlet Runners.— (*Lathyrus Odoratus.*)

This bean produces a rapid growing vine and makes clusters of showy bloom. Pkt. 5c.

Imperial Japanese Morning Glories.

These are the greatest improvement that it is possible to imagine in the common Morning Glory. Not only are the flowers of greatly increased size and most distinct colorings, but the foliage is also wonderfully varied and attractive. See illustration of one type. The large leaves come in many distinct forms; in some cases the leaves are heavily marbled with white or golden yellow, while other plants have leaves of different types of a clear golden yellow. Our choice mixed strain embraces nearly thirty distinct shades and colorings, flowers ranging from deep rich purple to pure silver white. In many the flowers are beautifully bordered in contrasting shades, while in others the coloring is diversified by rich tigere marks and spots of glowing color in the widely open throat as well as the fanning corolla. Especially distinct are the shades of cinnamon-brown and faint creamy yellow.

Pkt., 5c.; ½ lb., 30c.; 1 lb., $1.00.

Common Morning Glories.

Convolvulus Major.— The best known and most popular annual climber we possess, growing 30 to 50 feet. A splendid mixture of choicest kinds. Many bright colors.

Lb. 75c. ½ Lb. 25c. Oz. 10c. Pkt., 5c.


For Dwarf or Bedding Morning Glories. See Convolvulus Minor.

(8 LARGE SIZE 5c. PACKAGES FOR 25c.)

No discounts, but the best values in dependable seeds
BULBS and ROOTS For Spring Planting

Cannas

President McKinley.—Grows three feet. Brilliant crimson, with bright scarlet shaded. Grows low and compact. Large trusses of beautiful formed flowers. Foliage deep green, marked chocolate margin. Each 5c. If sent by mail add 2c. per each root postage.

Robusta.—Well known and one of the most effective of all dark-leaved varieties, although not a large flowering sort; it is valued on account of its luxuriant foliage, making it desirable in sub-tropical gardening, where rich foliage effects are wanted. It is a strong vigorous grower; its immense dark bronze leaves are twelve to eighteen inches wide and thirty to thirty-six inches long. We have a fine lot of roots of this “old variety.” Each 5c.; doz. 40c. By mail 60c.

Double Dahlias

Field-Grown Roots of Choicest Double Dahlias

New Giant Orchid Flowered Cannas

Austria.—Pure canary yellow, fine large flowers, reddish-brown dots in centre of inside petals. Roots 3c.; doz. 30c.

Burbank.—Flowers six to seven inches across, mostly semi-double. Beautiful rich canary yellow, throat finely spotted crimson, strong and handsome, five to six feet. Each 3c.; doz. 30c.

Italia.—Immense flowers of true orchid form, center brilliantly red, petals violely bordered with a deep yellow, very handsome and showy, four to five feet. Each 3c.; doz. 30c.

Allemia.—Enormous flowers, outer petals scarlet with broad yellow border, inside of bloom scarlet and dark red, foliage dark green, four to six feet. Each 3c.; doz. 30c.

Madame Crozy.—Old reliable, all-around general purpose Canna, very large scarlet-red flowers bordered with gold, spike large, of fine form, great bloomer, four feet. Each 3c.; doz. 30c.

Queen Charlotte.—Rich crimson-scarlet, with wide gold border on every petal, a profuse bloomer, broad green leaves, three and a-half feet. Each 3c.; doz. 30c.

Florence Vaughan.—The finest yellow-spotted variety yet sent out; the foliage is massive and of a rich green color. Each 5c.; doz. 50c.

No discounts, but the best values in dependable seeds.
ELEPHANT EARS

Caladium Escentum (Elephant Ears).—One of the finest tropical plants which can be grown in the open air in the North. It can be made to produce ten to thirty leaves three to four feet long, and nearly as wide, on stalks four to six feet high. It is of easy culture, the chief requisites being an unlimited supply of fertilizer and water. You cannot make the soil too rich or keep it too wet for this plant. Very effective for the flower border and for planting out upon the lawn. Each 10c. Doz. $1.00. If sent by mail add 7c. for each bulb.

GLADIOLUS

These fine summer and fall flowering bulbs will produce blooms which embrace every shade of color, and are marvels of beauty. Great improvements have been made in this flower during the past few years. They are of earliest culture and produce their brilliant spikes the first year. As soon in the spring as the ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, whereby a succession of blooms will be had. In the fall the bulbs can be taken up and stored over winter in a dry place. Good Mixture of First-Class Bulbs, 15c. doz. $1.00 per 100. By mail 30c. a dozen.

Triumph Gladiolus.—A distinct race of this matchless class of plants, originated in France, which for variety and exquisite beauty has never been equaled. The flowers are of a gigantic size and of a beautiful creamy white, slightly striped with lilac, small carmine blotch, shaded gold-yellow. The flowers are borne in great profusion all around the spike, forming a perfect bouquet. Doz. 40c. By mail 55c.

Our Fancy Mixture.—A special strain of Gladioli, saved from the most beautiful French hybrid varieties. Each 3c. Doz. 25c. If sent by mail add 18c. postage.

Fine Mixed Gladioli.—This mixture is composed of a splendid assortment of the finest varieties grown in a well-balanced mixture. We should recommend those wishing an ample supply for bouquets to plant a number of bulbs at intervals two weeks or more apart during the spring months. First size bulbs, sure to flower, in extra fine mixture. Doz. 15c. Per 100 $1.00. By mail 15c. a dozen postage.

Groff’s New (Hybrids).—The mixture we offer is made up from the original and latest introduction of Mr. Groff, and comprises the widest range of colors possible, including shades of lilac, lavender and clematis, which hitherto have been practically unknown in Gladioli. The pink, red, scarlet, crimson and cerise shades are of the highest quality. The white, light and yellow shades are of the purest colors obtainable, relieved in many varieties by stains and blotches of most intense and decided contrast. The flowers are of the largest size in their respective types and of good substance. The spikes are of correct form, with plants of exceptional vigor and vitality. When the spikes are cut, the unopened flower buds open freely after the spikes are placed in vases containing a little water. Price, 30c. per doz. By mail 45c. per dozen.

New Excelsior Pearl

Tuberose

One of the most fragrant and most popular of the summer flowering bulbs. May be started early in hotbeds or pots, or planted in open ground after the first day of May. Each 2c. Doz. 20c. Per 100 $1.00. If sent by mail add 15c. per doz. postage.

MADERIA VINE

Tuberous-rooted climber, with glossy green leaves and delightfully fragrant white blossoms. Sometimes called Mignonette Vine. It is of rapid growth, and from a few tuberous vines will be produced sufficient to cover one side of a cottage in a single season. The tubers are tender, and must be protected from the frosts during winter. Each 5c. Dozen 50c. If sent by mail add 10c. per dozen for postage.

No discounts, but the best values in dependable seeds.
Remedies For Insects and Fungus

Ant and Roach Killer. A non-poisonous powder which, sprinkled around their haunts, will destroy roaches and for black ants from house and house plants, especially for mealy bugs, scale, red spider, and green and yellow aphids, works, and slugs. Full directions with each bottle. 1/2 pint 25c.; pint 40c.; quart 75c.

Bordeaux Mixture. In liquid form: ready for use by adding water. Prevents blight and rust; keeps vegetable plants, house or other affected locality, 1/4 lb. in 1 gallon water; 1 gal. in 50 gal. water. Price 20c. per lb.; 5 lbs. 90c.

Dry Bordeaux Mixture. Very convenient to handle and can easily be shipped. 1 lb. box 15c.

Dry Bordeaux Mixture and Paris Green Compound. This compound has proved very successful while cheaper than Paris Green and London Purple and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved. Price, 25c. per lb.; 5 lbs. 90c.

Hellebore, Powedered White. Destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple, and safer to use when fruits or vegetables are nearly ripe. Can be used as a powder or dissolved. Price, 25c. per lb.; 5 lbs. 90c.

Lemon Oil. A most popular and best all-around insecticide and fungicide for house and house plants, especially for feathery bugs, scale, red spider, and green and yellow aphids, works, and slugs. Full directions with each bottle. 1/2 pint 25c.; pint 40c.; quart 75c.

Lawn Compound. Kills the weeds, but not the grass, and makes the lawn green and velvety. It is a dry, sandy powder, to be applied by sprinkling over the grass. One pound will destroy Dandelions, Plantain, Chickweed and all weeds with hairy surfaces or broad leaves. One pound will dress lawn area, 1000 sq. ft. Full directions for use on each package. Price, 5 lb. can 60c.

Sterlingworth Weed Killer. A dry powder to be dissolved in water. May be applied with an ordinary watering can. Most satisfactory. Complete destruction of objectionable vegetable growths. Price, 1 lb. package, makes 15 gallons, 50c.

Whale Oil Soap with Tobacco. Combines the valuable properties of whale oil with the insecticide value of tobacco and nicotine for trees and plants where insects and eggs affect the bark and leaves. 1 lb. 15c.; 5 lbs. 50c. By mail add 10c. per lb.

Bug Death. Is a fine powder which is absolute sure to use on Potatoes, Tomatoes, Currants, Gooseberries, Cucumbers, Melons, and Truck generally. Bug Death prevents blight, increases yield, improves quality and makes dry or in spray. Price—1 lb. pkt. 15c.; 3 lb. 35c.; 5 lb. 50c.; 100 lbs. 7.50.

Nico Fume. This is the strongest tobacco powder on the market. Uses are endless as it cleans, deodorizes and works on all insects and their eggs. It melts and fumigates the easiest method for fumigation ever devised. Can kill lice, fleas, lice, ants, flies, bugs, etc. Price, 1 oz. powder 2c.; box of 14 oz. bottles $1.50; 28 oz. $2.50. When wanted by mail add 10c. per lb.

Cattle Oil. Protects cattle, horses, dogs, etc., from flies, gnats, mosquitoes, horses, and other insects; destroys head lice on fowls, etc.; is healing to sores. It is a guarantied to satisfy the user, the cost price will be refunded. Price, 1 gal. cans 75c.

Soluble Oil. An excellent scale remedy. Specially good for lawn trees and hedges, as it kills and does not stain. Mixes perfectly with water. Use during dormant period. Dilute with 15 to 20 parts of water. Apply with a hand pump. 1 gal. $1.00; 5 gal. $3.50; 10 gals. $6.65; half barrels 60c. per gal.; barrels of 50 gals. 50c. per gal.

Bordeaux-Arsenate-Lead Mixture. This is a combined fungicide and insecticide specially recommended for Apple and Pear crops, also for Potatoes and Cucumber vines. Apply for Apple and pear 8 to 12 lbs., to 50 gals. water; peach or plum 6 to 8 lbs., to 50 gals. water and stir. Prices, 1 lb. pks., each 15c.; 2 lb. pkgs., each, 30c.; 5 lb. pkgs., each, 75c.; 10 lb. kegs, each, $1.30; 20 lb. kegs, each, $2.50; 50 lb. kegs, each, $10.50; barrels, 400 to 600 lbs., 10c. lb.

Sulpho-Tobacco Soap. Unsurpassed for quickly exterminating all insect life on plants and flowers in and out of doors. Excellent for rose bushes, shrubs, etc. This popular insecticide combines effective, clean, harmless and non-injurious to the tenderest growth. It also acts as a valuable fertilizer and revives plant life. For domestic purposes it rides the house of cockroaches and in a superior wash for dogs and all animals. Prevents poultry lice, and you cannot get another insecticide at half the cost. If you desire to be successful in plant culture, this is the surest, the cheapest, and the best. A trial will give highly gratifying results. Directions for use with each cake. 2 oz. cake makes 14 gallons prepared solution, 10c. Mailed, postpaid, 12c. 8-oz. cake makes 4 gallons prepared solution, 25c. Mailed postpaid, 10-lb. case makes 80 gallons prepared solution. By express, $3.00.

No discounts, but the best values in dependable seeds.
Sprayers and Accessories

The “Misty” Single Action. A low cost sprayer made of heavy tin, for general purposes; holds one quart. Price 25c.

Daisy Double Action. Works both ways of stroke, giving twice the results with half the work; will not turn over on its side and allow the liquid to run out; made of heavy galvanized steel. Price, 75c. each.

Easy compressed air: has a large and strong pump, automatic shut-off nozzle; can be used for whitewashing, disinfecting, and is very desirable for large gardens, etc. It is built of galvanized steel and holds one quart. Price, $1.75.

Perfection. This is the most powerful machine in its class. The barrel is 7 1/2 inches and 20 inches high. The spray is 1 3/4 seamless brass tubing. The valves are metal and work automatically; from 8 to 15 minutes, and may be recharged in 12 seconds. A boy with the Perfect can easily do as much work as three men using a hand atomizer, and do it more thoroughly. For whitewash use a No. 2 cap in the nozzle, which is included with each sprayer. Price, $4.50.

Knapsack Sprayer. Is the most practical appliance for the spraying of orchards, shrubbery, etc. The galvanized iron tank holds 5 gallons. The pump is made entirely of brass, with a large air chamber, ball valves, solid plunger and agitator, fitted with 5 ft. 3/4 inch hose, pipe connection, and a Bourdeux nipple. Price, $6.00.

Little Giant Bucket Spray Pump. Made entirely of brass and mahogany, footreed, provided with large air chamber and thrower a continuous spray, will carry a pressure from 50 to 100 lbs. on the nozzle. Price with 4 feet 3/4 inch hose and 2 nozzles, $2.50.

Perfect Lever Bucket Spray Pump. The air chamber is fifty per cent larger than the Little Giant Sprayer. The lever handle produces also considerable more power. Price complete, with agitator, hose and terminal nozzle, $3.50.

Double Acting Barrel Spray Pump. No. 407 Perfect Barrel Spray Pump, complete, with 1 suction pipe, strainer, two leads, 10 ft. each, 3/4 in. five-ply discharge hose two removal nozzles, jet or dasher agitator. Price, $11.00.

Myer’s Improved Brass Barrel Spray Pump. Adapted to be used in connection with an ordinary double-action, automatic agitator, double hose connection, with 5 ft. high-pressure hose. One of the best for whitewashing. Price, $7.50.

Myer’s Bulldozer Back-Geared Power Spray Pump. This Pump is especially designed for heavy and efficient work, and can be connected direct on the crank shaft of any gasoline engine by means of a pinion wheel, which is furnished with the pump, thus making the most complete outfit ever offered, for the reason that it only requires the small floor space of 30x40. Price $43.00, fitted with strainer, pressure gauge and relief valve, double shutoff discharge and suction nipple.

This Blower is the highest development of all Powder Guns and Dusters now in use. As shown in the illustration, covers two rows perfectly and can be adjusted to any desired width; each machine is furnished with two tubes, five nozzles and strap, and weighs six pounds. Each $5.00.

Fertilizers

Raw Bone Dust. This is ground very fine, decomposes more rapidly in the soil than the coarser grades, and is, therefore, more quickly beneficial. Price, lb. 3c.; 10 lbs. 25c.; 100 lbs. $2.00. Special prices in large quantities.

Pure Dissolved Bone. This Bone has been steamed to soften it and is thus quicker in its action. Price, lb. 3c.; 10 lbs. 25c.; 100 lbs. $1.50. Special prices in larger quantities.

Bone Superphosphate. Benefits crops quickly, readily available, promoting early maturity, and affording constant nourishment during their entire season’s growth. In case of rotation of crop it is nearly as valuable for the last as for the first. Price, lb. 3c.; 10 lbs. 25c.; 100 lbs. $1.50. ton, $25.00.

Sheep Manure (Pulverized). A pure natural manure for food for young plants. A lawn top dressing. It is unequalled. 5 lb. packages 25c.; 10 lbs. 40c.; 50 lbs. $1.50; 100 lbs. $2.50.

Mann’s Concentrated Plant Food for Vegetables and Flowers. Strictly high grade, containing all the elements needed by vegetables and flowers for their quick growth, early maturity and perfect development. The ingredients are quickly soluble and immediately commence to feed the plants, stimulating them into healthy, luxuriant growth, and it continues to feed them until the end of the season. Price, 5 lb. package, 20c.; 10 lb. 35c.; 100 lb. $2.25.

Kainit, 12% Actual Potash. 200 lbs. $1.50.


Muriate of Potash. 50 per cent pure, equivalent to 42 to 50 per cent. actual Potash. A high grade Fertilizer, and one of the best Orchard Fertilizers known; used largely in fruit cultivation, and as a general Fertilizer Muriate of Potash and Ground Bone stand as leaders. 25 lbs., $1.00; 100 lbs., $3.00. Original sacks of 224 lbs., $6.00.

Nitrate of Soda. A fertilizer for all crops. It is very quick in action, and hastens maturity of crops fully two weeks. Being quickly soluble, it should not be applied until the plants are above ground. Lb. 5c.; 25 lbs., $1.00; 100 lbs., $5.00.

No discounts, but the best values in dependable seeds.
### HOT BED SUPPLIES.

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Un glazed Hot Bed Sash, each</td>
<td>75c.</td>
</tr>
<tr>
<td>Hot Bed Class A, 10 and falk, per box</td>
<td>$1.75</td>
</tr>
</tbody>
</table>

### PEERLESS GLAZING POINTS.

This will positively keep the glass from sliding and are interchangeable, right or left. The use of a special pincers is recommended.

Price, per box of 100: 50c.

### PINCERS.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>By mail</td>
<td>50c</td>
</tr>
<tr>
<td>Longhandle</td>
<td>60c</td>
</tr>
</tbody>
</table>

### MASTICA.

For glazing greenhouses, sashes, etc., new or old. It is elastic, adhesive and easily applied. It is not affected by dampness, heat or cold.

Price, $ per gallon: 70c.

### MASTICA—Glazing Machine.

Price, $1.00.

### PLANT BED CLOTH.

A cheap substitute for glass and will keep out many degrees of frost.

Medium grade per yard: 8c.

Original package of 60 yards, per yard: 7c.

### HOT BED MATS.

Burlap—Made of strong burlap interlaced with wool.

Size, 40 x 76 inches, each: 80c.

### GALVANIZED IRON WATER POTS.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 qts</td>
<td>35c</td>
</tr>
<tr>
<td>6 qts</td>
<td>40c</td>
</tr>
<tr>
<td>8 qts</td>
<td>45c</td>
</tr>
<tr>
<td>10 qts</td>
<td>65c</td>
</tr>
</tbody>
</table>

### HAND WEEDERS.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>40c</td>
<td>25c</td>
</tr>
<tr>
<td>20c</td>
<td>10c</td>
</tr>
</tbody>
</table>

### CHAMPION POT WEED PULLER.

Each: 40c.

### POT LABELS.

<table>
<thead>
<tr>
<th>Size</th>
<th>Painted</th>
<th>Plain</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 inch, per 100</td>
<td>0.45</td>
<td>0.65</td>
</tr>
<tr>
<td>4</td>
<td>0.50</td>
<td>0.75</td>
</tr>
<tr>
<td>6</td>
<td>0.75</td>
<td>1.00</td>
</tr>
<tr>
<td>12 inch, per 100</td>
<td>0.75</td>
<td></td>
</tr>
</tbody>
</table>

### TREE LABELS.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 inch, iron band</td>
<td>85c</td>
</tr>
<tr>
<td>6</td>
<td>1.10</td>
</tr>
</tbody>
</table>

### GARDEN LABELS.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 inch</td>
<td>3.00</td>
</tr>
</tbody>
</table>

### TOWELS.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garden Towels, 5c, 10c, 25c and 40c</td>
<td>Transplanting Towel, 8 inches</td>
</tr>
<tr>
<td>Transplanting Hoe, all steel, wood handle, each: 35c</td>
<td></td>
</tr>
</tbody>
</table>

### DIBBLES.

Decidedly the best tool for transferring plants.

Price: 30c.

### GARDEN LINE AND REEL.

Made of best Malleable Iron, 1/2 inch.

Price, per 100 feet: 35c.

### HOES.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Socket, all steel, size 6, 6½, 7½ inches</td>
<td>40c</td>
</tr>
<tr>
<td>Solid Shank, all steel, size 6, 6½, 7½ inches</td>
<td>35c and 40c</td>
</tr>
<tr>
<td>Malleable Iron Socket, steel blade</td>
<td>25c</td>
</tr>
<tr>
<td>Planter Hoe, heavy handled, large eye, suitable for stiff ground</td>
<td>30c</td>
</tr>
<tr>
<td>Mattock Hoe, double pointed, very useful, each</td>
<td>20c</td>
</tr>
</tbody>
</table>

### HOE-ACME.

For weeding and cultivating, double prong, 4½-inch blade.

Price: 60c.

### MALLEABLE IRON HOE.

Ace W. & C. single prong, polished steel.

Price: 35c.

### COMBINED DRAW HOE AND RAKE.

Four-Tooth Malleable Iron Rake and cast steel blade.

Price: 25c.

### STIRR-U-TOOTH SOLID STEEL HOE AND RAKE.

Price: 50c.

### WARREN HOES.

Heart-shaped.

The finest Weeding and Garden Hoe made, very suitable to cultivate strawberries.

Small size: 40c

Medium size: 45c

Large size: 50c

### PRONG HOES OR POTATO HOOKS.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 broad tine, solid steel</td>
<td>50c</td>
</tr>
<tr>
<td>5 round tine, solid steel</td>
<td>65c</td>
</tr>
<tr>
<td>5 flat tine, solid steel</td>
<td>40c</td>
</tr>
<tr>
<td>2 prong extra heavy nursery hoe</td>
<td>50c</td>
</tr>
</tbody>
</table>

### SHOVELS.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid steel strap, D-handle, round point, No. 2, 50c</td>
<td>80c</td>
</tr>
<tr>
<td>Solid steel strap, square point, long handle, No. 2, 50c</td>
<td>50c</td>
</tr>
<tr>
<td>Solid steel socket, D-handle, square point, No. 2, 40c</td>
<td>80c</td>
</tr>
<tr>
<td>Solid steel socket, square point, No. 2, 50c</td>
<td>50c</td>
</tr>
<tr>
<td>Solid steel socket, round handle, No. 2</td>
<td>50c</td>
</tr>
<tr>
<td>Solid steel, full strap, extra quality</td>
<td>50c</td>
</tr>
</tbody>
</table>

### MANURE FORKS.

### OF ALL DESCRIPTIONS.

### LAWN RAKES.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawn Ovrcrn—21 steel wire teeth, reversible head, each</td>
<td>45c</td>
</tr>
</tbody>
</table>

The Olsen.—The teeth are so constructed that when driven into the head they will never shrink from place and cannot fall out. 43c

### SPLIT BOW WOOD LAWN RAKE.

Handmade: 35c.

### STEEL GARDEN RAKES.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bow Shank Curved Teeth, gold bronze finish</td>
<td>12 teeth, 35c; 15 teeth, 40c; 16 teeth, 50c</td>
</tr>
<tr>
<td>Goose Neck Shank, bronze finish</td>
<td>10 teeth, 35c; 12 teeth, 35c; 14 teeth, 40c; 16 teeth, 45c</td>
</tr>
<tr>
<td>Malleable Iron Bow Shank</td>
<td>10 teeth, 20c; 12 teeth, 25c</td>
</tr>
<tr>
<td>Wood Hay Rakes, split bow, handmade</td>
<td>25c</td>
</tr>
<tr>
<td>Wood Hay Rakes, wire bow</td>
<td>18c</td>
</tr>
</tbody>
</table>

No discounts, but the best values in dependable seeds
No discounts, but the best values in dependable seeds.
FARMING IMPLEMENTS AND SUPPLIES.

Evans Garden Harrow.

This Harrow is equipped with two runners to save lifting and boosting, designed for one horse, convenient to handle and get around garden plots, etc. Made of oak, painted dark green. Price, 24 teeth............ $5.00
Price, 30 teeth................ $5.25

ALL-STEEL HARROW.

A spike-tooth Harrow with lever up. A smoothing Harrow with lever down. Made entirely of steel. The teeth can be instantly set to an inclined forward pitch to straight up or slanting backward. 1-horse, 1 section, 5 ft. cut. $5.00 2 sections, 8 ft. cut 10.00 3 sections, 10 ft. cut 12.00

Platt Springtooth Lever Harrow on Wheels. Strong and easily handled.
Price—
15-tooth Harrow........ $16.00
17-tooth Harrow........ $18.00
19-tooth Harrow........ $19.00
21-tooth Harrow........ $21.00
When Floating Harrows are desired deduct $2.00 from above price.

CAHOON'S BROADCAST SEEDER.

Sows all kinds of clover, grass and grain seeds; 4 to 5 acres and heavy seeds; it will throw 40 feet. Price............ $3.00

THE CYCLONE BROADCAST SEEDER.

This Seeder is accurate, strong and light. The best medium-priced machine of its kind on the market. Price............ $2.00

THE LITTLE GIANT SEEDER.

The cheapest accurate Seeder made. Has a drill set out of order, nor be affected by dampness of the weather. Distributes all kinds of seed. Price............ $1.50

THOMPSON'S CLOVER AND GRASS SEEDER.

This machine is simple without gearing. The seed is accurately charged by means of a double hopper for red top, orchard, blue and lawn grass. $8.00

OLIVER CHILLED PLOWS.

Plows:
A. Light one-horse.................. $5.00
B. Medium one-horse.................. $7.25
10. Full one-horse.................. $8.00
13. Heavy one-horse.................. $9.50
19. Two-horse.................. $10.00
40. Two or three-horse........ $11.00
E. Full, two-horse.................. $11.00
Wheels, complete, each........... $1.00
Joiners complete, each........... $2.00

GALE CHILLED PLOWS.

We carry in stock a line best adapted for this locality. No. 34A—An exceptionally fine general purpose Plow for 3 horses. Wood beam, long slanting landside; mould-board has a very bold turn. Right hand. Weight, 137 lbs. Price.................. $10.50
No. 32—Wood beam, right hand.................. $9.50
No. 17—Wood beam, one horse; used largely by gar- dener and nurserymen. Price.................. $7.50
No. 32—A small one-horse Plow for use in garden and around bushes; has a short bold turn of mouldboard. Price.................. $5.00

SYRACUSE CHILLED PLOWS.

Steel, iron and wood beams, including a full line of extras.

ROLAND CHILLED PLOWS. Including a full line of extras.

BOSS CHILLED PLOWS. $5.50

EXTRAS.
For Gale, South Bend, Bells and Baltimore Plows.

SHOVEL PLOWS.

Steel beam, single shovel.................. $2.25
Steel beam, double shovel.................. $2.50
Steel beam, triple shovel.................. $2.50

I. A. CULTIVATORS.

Baltimore Cultivator, plain.................. $2.75
I. A. extra heavy Cultivator, plain........ $3.00
I. A. Cultivator with lever.................. $3.75
I. A. Cultivator, with D-wheel........ $4.25
I. A. Cultivator, with D-wheel and horse and hitch attachments.................. $5.00

I. A. COMBINED HARROW AND CULTIVATOR.

A splendid tool for cultivating crops in rows; thoroughly pulverizes and loosens the soil without throwing dirt on the small plants. The teeth are reversible and can be changed in four different positions. Price as shown in Illustration............. $5.00
Price, with lever.................. $5.50

ACME HAND POTATO PLANTER.

This implement is simple, durable, practical, plants any sized seed in any soil at a rate of two acres a day; it makes the hole, drops the seed and covers it at one operation. Price, each.................. 75c.

AUTOMATIC HAND CORN PLANTER.

Has a rotary slide moving back and forth, which prevents skips. Will plant any sized seed corn and does not injure the grain. The planter is finished with a selected hardwood frame and handsomely painted. Price............. $1.50

PLANET, JR., TOOLS.

Space will not permit showing and describing here all of the Planet, Jr., tools, but we will send a beautifully illustrated Catalogue to anyone who two-horse desires it. Planet, Jr., goods are the best on the market.

No discounts, but the best values in dependable seeds 49
Incubators and Poultry Supplies

The New Standard Incubator. This machine is built by men skilled in practical poultry men, and in a factory where quality counts. They are of the hot-air type, insuring long life and durability. No tanks or pipes to spring leaks, while the machine is in operation, and is the only way to insure proper ventilation.

Every machine has double walls, nicely finished and made of the best material. The heater can be taken apart and cleaned. This feature is not found in any other machine. Every machine is sold under full guarantee.

Price, 50-egg capacity $8.00
80-egg capacity 9.00
120-egg capacity 12.00
240-egg capacity 18.00

Banta Incubators. The Banta incorporates every advantage and improvement and stands in a class by itself. The walls have three thicknesses of lumber and insulating board with dead air space. The top has thirteen thicknesses of packing and lumber and made of the best hardwood lumber. They are finished in natural color, which makes it an ornament to any house. The heater is fireproof and can be taken apart and cleaned. The cloth diaphragms are all removable for cleaning, two principles of heating, the radiation of warm air and the diffusion of warm air.

Every machine has a large nursery under the egg trays, with glass doors, so that the chicks can be taken from the machine without in any way interfering with other eggs that are hatching.

Price 50-egg capacity $12.50
100-egg capacity 15.50
150-egg capacity 20.00
280-egg capacity 30.00

Metal Brood Coop and Run.

"Banta" Portable Poultry Brooder

This Poultry House is 6 feet high in front and four feet high in the rear. It has a window 2x2.6, with a muslin screen, a tight board shutter for cold weather. Both the outside and muslin doors are 2.5 feet wide and full height. It is fitted with roosts all complete. The roof is of best quality composition roofing, and is painted with two coats of good paint. It is shipped knocked down and is put together with key bolts. Price, $25.00.

New Model Brooder. It is very substantially built, corner pieces, painted with two coats of lead paint and has a glass in the lid, so that the chicks can be seen from the top. Has a brooding floor, brooder chamber and hoper. It is furnished with feeding trough, drinking fountain, metal safety lamp and brass regulator; sold under guarantee. Size 4 feet long, 21 inches wide, and 30 inches high. Price, $9.00.

New Model Brood Coop. Designed for hen with chicks. Size is 4 ft. 5 in. wide, 2 ft. deep, has two compartments: a closed or house part and a wire-enclosed shelter for exercise room. Price, $3.75.

Conkeys Poultry Remedies

are well known everywhere and are sold under a guarantee to satisfy or money refunded. A remedy for all ailments.

POULTRY BOOKS FOR THE ASKING

No discounts, but the best values in dependable seeds
MAN'S BONE CUTTERS

Will cut thicker bone or dry bone of coarse meat.

No. 5C, with Crank Handle ........... $6.00
No. 5BM, wheel .. $8.00
No. 7 New Model, with Balance Wheel, on Iron Stand $10.00

MAN'S CLOVER CUTTER
Made entirely of iron and steel, very strong and easily adjusted, and cuts any kind of hay, clover, green or dry, every revolution of the balance wheel produces 12 cuts.

No. E, with Balance Wheel .... $10.00
No. B.M. with Balance Wheel and Iron Stand ........ $12.00

RED CHEF CORN SHELLER

This Sheller has a capacity of 10 bus. per hour; adjustable to any size ear; the patent cone oval teeth avoid the breaking up of grains, which is very essential in shellling corn for seed; can be operated by any child. Price, each $1.50

FAVORITE ROOT CUTTER
This is a very useful machine for poultrymen; it is well made and easy to operate, and will cut roots and vegetables coarse or fine, furnished with Balance Wheel. Price ........ $7.00

WILSON'S BONE AND SHELL MILL
Grinds oyster shells, dried bones and corn. Greatly favored by poultrymen. With Balance Wheel... $5.00

GALVANIZED IRON GRID AND SHELL BOXES.
2 compartments, 3 lbs. each. 2 compartments, 5 lbs. each. 3 large size, 75c. each. Sanitary Feed Trays, 16 inch, galvanized, from trough and hardwood finder 75c.

POULTRY FOOD.
This is a combination of carefully selected, re-cleaned, sound, sweet cracked grains and seeds. In proper proportion essential for quick and healthy growth.

EUREKA CHICK FOOD.
A complete Chick Food, prepared from a combination of foods, so as to fully nourish and sustain the young chicks from the time of hatching until they are fully developed. Contains the necessary animal food as well as seeds and grains. Will be found most satisfactory to keep the young chicks in a healthy growing condition. 50 lb. bag, $1.25; 100 lb. bag, $2.25.

POULTRY BRACE.-For Feeder Bird. Heavy grain. $1.00
KAFIRR CORN—For Feed. Per lb. 30c. 10 lbs. 20c.; 100 lbs. 15c.
Sunflower Seed, per lb., 5c.
Flaxseed, per lb. ............. 6c.
Buckwheat, fancy, bus. $1.25.
Hemp Seed, per lb., 5c. 25c.
Canada Field Peas, bus. $1.50.

SHELLIER.

For marking young and old chickens. Made in two sizes. Cent by voll re-ceipt of ........... $2.50.

IMP. CHAMPION LEG BANDS.
Made of one thin strip of aluminum. Adjustable to any size bird. Per dozen, 10c.; per 100 ......... 65c.

POULTRY MARKER.

For marking young and old chickens. Made in two sizes. Cent by voll re-ceipt of ........... $2.50.

POULTRY MEAL FOR POULTRY.
By all odds the best and most economical way of feeding clover. Can be fed in mash, with other food. 50 lb. bag, $1.25; 100 lb. bag, $2.00.

CHICK STARTER.
A Primary Food for Baby Chicks Up to 3 Weeks Old.

This is a primary food for Baby Chicks, and contains only the best seeds re-cleaned, sound, sweet cracked grains and seeds. In proper proportion essential for quick and healthy growth. 8 lbs. 20c.; 10 lbs. 35c.; 25 lbs. 65c.; 50 lbs. $1.15; 100 lbs. at $2.25.

WHEAT—For Chicken Food.
Fair, cheap, mixed, junk. 80c.
Good to chose, bush. $1.00.

BARLEY—For Feed.
Heavy grain. $1.00.

POULTRY NETTING.
New Process

Hard Steel Wire.

Put up in Roll of 100 feet 12-inch, 50 square feet $8.60
24-inch, 300 square feet $1.90
36-inch, 450 square feet $1.75
48-inch, 600 square feet $2.40
60-inch, 750 square feet $3.00
72-inch, 900 square feet $3.50

In less than Roll lots 15c. per square foot.

POULTRY REMEDIES.

PRATT'S and RUSSIAN

are made in special prices.

No discounts, but the best values in dependable seeds.
AMERICAN CREAM SEPARATOR. 
The advantages of the Centrifugal Cream Separator is now acknowledged everywhere, and the American possesses the following points of merit:
Simplicity, durability, clean skimming, ease of operation and price.
No. 1. Capacity 200 lbs. of milk per hour. ................................................ $49.00
No. 2. Capacity 350 lbs. of milk per hour. .................................................. 50.00
No. 3. Capacity 500 lbs. of milk per hour. .................................................. 66.00
Fully guaranteed.

IMPROVED ARRAS CREAM SEPARATOR.
Every Small Dairy should certainly have the Arras. It means 14 more cream of better quality and saves 1/3 of the time. No machinery to run or look after. Separation is effected by circulation of cold water in the outer can. All the cream rises to the surface in an hour or two and is drawn off sweet. Suitable for table use or other purposes.
No. 1, Capacity 1 to 2 cows. .......................................................... $5.00
2. .................................................. 2.00
3. .................................................. 3.00
4. .................................................. 4.00
5. .................................................. 5.00

SPAIN'S PATENT CHURN.
This is the best known churn everywhere, constructed of the finest cedar, and the dasher can be easily removed.
No. 1. .................................................. 1.00
2. .................................................. 2.00
3. .................................................. 3.00
4. .................................................. 4.00
5. .................................................. 5.00

DAVIS SWING CHURN.
Has no floats nor paddles inside. There is no danger of milk coming off and spilling the cream. It requires less effort to work than any other. It is easily removed.
Full Churning Capacity.
<table>
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<tr>
<th>Gallons</th>
<th>Price</th>
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<td>1</td>
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<th>Gallons</th>
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<td>5</td>
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LA FAYETTE BUTTER PRINTER.
This is also self-gauging. Intended for use in creameries, but more especially for buttering very simple and handy. Either pound or half pound..................... $0.00
With Table........................................ 15.00

HAND BUTTER PRINTS.
1/2 lb. Seeley Pattern, as shown............. 50c
Philadelphia pattern, extra Hy. 200 cts.
Baltimore Pattern.................................. 75c
Round Plain Print.................................. 10c
Round Print and Round.................................. 25c

KEystone CALF FEEDER................................................... 1.50

THE KANAWHA PUMPS
PRICE LIST OF PORCELAIN-LINED PUMPS. COMPLETELY FITTED. READY TO SET IN WELL.

Closed Bracket and Heavy Handles will be furnished on the House Well, Stock Well and Deep Well. Extension Pumps for $1.50 additional.

TAKEN MEASUREMENT OF DEPTH OF WELL FROM PLATFORM TO BOTTOM.

| No. 2, 6"x6" 3%-Inch Bucket | $6.75 |
| No. 6, 7"x7" 4-Inch Bucket | $7.00 |
| No. 2, 6"x6" 3%-Inch Bucket | $7.50 |
| No. 6, 7"x7" 4-Inch Bucket | $8.00 |
| No. 2, 6"x6" 3%-Inch Bucket | $8.50 |
| No. 6, 7"x7" 4-Inch Bucket | $9.00 |
| No. 2, 6"x6" 3%-Inch Bucket | $9.50 |
| No. 6, 7"x7" 4-Inch Bucket | $10.00 |
| No. 2, 6"x6" 3%-Inch Bucket | $10.50 |
| No. 6, 7"x7" 4-Inch Bucket | $11.00 |

IRON PUMPS

| No. 1, 6" stroke, 3-Inch cylinder | $14.00 |
| No. 2, 7" stroke, 3-Inch cylinder | $15.00 |
| No. 8, adjustable stroke 3%-Inch cylinder | $23.00 |
| No. 10, 8-Inch cylinder | $26.00 |

For three-way connections add $2.00 to above prices.
No discounts, but the best values in dependable seeds.
**ORDER SHEET**

**FOR**

True and Reliable Seeds

**FROM**

J. MANNS & CO.

Hillen and Forrest Streets, Opposite Belair Market.

Baltimore, MD.

<table>
<thead>
<tr>
<th>BE SURE TO FILL IN THESE BLANKS</th>
<th>AMOUNT ENCLOSED</th>
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<tbody>
<tr>
<td>Name</td>
<td>POSTAL MONEY ORDER, $</td>
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<td>Street, P. O. Box or R. F. D. Number</td>
<td>EXPRESS MONEY ORDER,</td>
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<td>Post Office</td>
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<td>Rural Delivery</td>
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<td>State</td>
<td>POSTAGE STAMPS,</td>
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<tr>
<td>Express or Freight Office</td>
<td>TOTAL, $</td>
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When ordering by pound, pint or quart, to be sent by mail, add for postage 8 cents a pound, 8 cents per pint and 15 cents per quart on all seeds.

Seeds in packets, ounce and quarter pounds are sent post paid at list prices.

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<tr>
<th>NAMES OF ARTICLES WANTED</th>
<th>Price</th>
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Amount carried over.
SPECIAL NOTICE: We shall esteem it a great favor if you will give us in the spaces below the NAMES AND ADDRESSES of any Market Gardeners or Truck Farmers among your acquaintances. We wish to send them our SEED ANNUAL.
Gasoline Engines and Machinery

DRIVEN BY POWER

For want of space we cannot illustrate but a few of our specialties in this line. Any one interested will find it to their advantage to communicate with us.

New Way Air Cooled Gasoline Engine

Style of Sizes, 2 1/2, 3 1/2, 4 1/2 and 6 H. P. s and 12 H. P. opposed cylinder

This Engine is far ahead of any other make now on the market. We offer a few points for your comparison. No water to freeze and break the cylinder pipes, circulating pumps, or rust the water jacket and pipes. No packing in the cylinder to blow out. No needle valve to give continual trouble. No Batteries required at any time. The Patented Air Cooling System is perfect, and every engine is guaranteed not to overheat and deliver its full rated horsepower under any condition. Every bearing and working part is interchangeable and can be replaced at small cost. Any inexperienced person can operate the New Way successfully. Special attention and low prices will be given every prospective buyer. New Ideal 1/2 H. P. Pumping Engine $45.00

Eureka Sliding Table All Steel Saws

Enable the user to saw wood any length without handling it the second time. The frame can be adjusted to answer as a rip saw which is often very convenient on the farm.

Duplex Feed Mill

WHY THIS IS THE BEST IRON MILL IN THE WORLD

1st. Because it is provided with a double set of grinders or burrs. 2nd.—Because it has a grinding surface just double that of any other mill. 3rd.—Because it is very economical in the use of power, running much easier than any other mill. 4th.—Because it will grind any kind of grain, or corn and cob, equally well, and will produce meal of any desired quality, coarse, medium or fine.

ASK FOR ILLUSTRATED CATALOGUE

Tornado Feed Cutters

are built in all sizes for hand and power use and equipped with carriers and blowers of desired length. The cutting arrangement of the Tornado is made up of a series of knives following each other spirally, which when in motion gives a spiral movement. The cutting cylinder is most especially adapted to cutting dry fodder and green ensilage, as the peculiar motion cuts, splits and reduces the corn stalks to a soft pulp condition, leaving no sharp edges to hurt the mouth of the animal, and cause sore gums.

Improved New Holland Stone Crusher

will meet every requirement for a first-class, portable and practical Stone Crusher, and will save and make thousands of dollars to the farmer, contractor, road builder, quarry man. While it is designed for light power and small jobs, and to move about with the greatest ease, it is strong and durable enough to be run at a high speed. Weight 2500 lb. Capacity 3 to 4 tons per hour, the opening of the jaws is 6 x 9 inches. Price: Crusher with shaker on sills, $175.00. Heavy Truck, $25.00.
Mann's Specialty Collection

SEVEN PACKAGES
FINE
VEGETABLES
SEEDS
FOR 25 CENTS
ONE PACKET OF EACH

BOUNTIFUL PEAS

SWEET HEART WATERMELON

KNOTHT'S EXTRA EARLY MARYLAND CANTALOUPE

IMPROVED HARDY WAX BEANS

BONNIE BEST TOMATO

1913

EXTRA EARLY CREAM AND HONEY SWEET CORN

SCARLET GLOBE FORCING RADISH