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1908

THE HENRY PHILIPPS

SEED

AND

IMPLEMENT CO.

IMPORTERS AND GROWERS OF

GARDEN

FIELD

AND

BULBS

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FLOWER

SEEDS

TOLEDO

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U. S. A.

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PIONEER BRAND SEEDS
SPECIAL FLOWER AND VEGETABLE SEED COLLECTIONS

FLOWER SEED
25 Cent Collection, by Mail, Postpaid

1 Package Asters, Mixed
   1 Package Balsam, Mixed
   1 Package Mignonette, Sweet
   1 Package Nasturtium, Mixed

1 Package Petunia, Choice Mixed
   1 Package Sweet Peas, Choice Mixed
   1 Package 10 Weeks' Stock
   1 Package Zinnia, Double, Mixed

VEGETABLE SEED
25 Cent Collection, by Mail, Postpaid

1 Package Beet, Early Blood Turnip
   1 Package Cabbage, Early Summer
   1 Package Cabbage, Large Late Flat Dutch
   1 Package Cucumber, Early Summer

1 Package Lettuce, Early Curled Simpson
   1 Package Onion, Prize Taker
   1 Package Radish, Extra Early Scarlet
   1 Package Tomato, Stone

VEGETABLE SEED
50 Cent Collection, by Mail, Postpaid

1 Package Peas, Philipps' Early Summit
   1 Package Beans, Wardwell's Kidney Wax
   1 Package Sweet Corn, Early Cory
   1 Package Cabbage, Improved Autumn King
   1 Package Beet, Early Blood Turnip
   1 Package Cabbage, Large Late Flat Dutch
   1 Package Cucumber, Improved White Spine

1 Package Lettuce, New Salamander
   1 Package Water Melon, Improved Dixie
   1 Package Musk Melon, Hackensack
   1 Package Onion, Yellow Danvers
   1 Package Parsnip, Hollow Crown
   1 Package Tomato, Stone

BIG COLLECTION—$1.00 by Mail, Postpaid

1—One Pkt. Beans, Stringless Green Pod.
2— " " Beans, Wax Podded.
3— " " Beet, Early Blood Turnip.
4— " " Cabbage, Extra Early Jersey Wakefield.
5— " " Cabbage, Improved Autumn King.
6— " " Celery, White Plume.
7— " " Corn, Sweet, Philipps' New Wonder.
8— " " Cucumber, Long Green Improved.
9— " " Cucumber, Toledo Market Evergreen.
10— " " Lettuce, Grand Rapids.
11— " " Lettuce, New Salamander.
12— " " Watermelon, Improved Dixie.
13— " " Muskmelon, Extra Early Hackensack.
14— " " Onion, Yellow Danvers.
15— " " Onion, Prize Taker.
16— " " Pepper, Ruby King.
18— " " Peas, Philipps' Early Summit.
19— " " Peas, Telephone, Late.
20— " " Radish, Early Scarlet Turnip.
21— " " Radish, Improved Chartier.
22— " " Squash, Toledo Warted Hubbard.
23— " " Tomato, Improved Stone.
24— " " Tomato, Dwarf Champion.
25— " " Turnip, Purple Top, Strap Leaf.
26— " " Turnip, Monarch Swede Rutabaga.
27— " " Sweet Peas, Mixed Flowering.
28— " " Mignonette, Sweet.
29— " " Balsam, Double Mixed.
30— " " Pansy, Mixed.
31— " " Nasturtium, Mixed.
32— " " Zinnia, Mixed.

THERE ARE NO BETTER COLLECTIONS OF SEEDS TO BE HAD FOR THE MONEY ANYWHERE IN THE WORLD.—FULL-SIZED PACKETS.
THE PIONEER SEED HOUSE OF TOLEDO, O.
FIFTY-SIX YEARS OF EXPERIENCE

To Our Friends and Customers—

It is with pleasure we hand you our annual catalogue for 1908, and shall be pleased to have your valued orders for what Garden, Field and Flower Seeds, also Bulbs, Plants, etc., you may need.

By reason of our country's vast increase in wealth and population, Vegetables, Fruit and Flowers are in growing demand, so that all who engage in the Farming, Gardening and Horticultural line will surely make money provided they buy good seed.

We were born and raised in the seed business and our customers get the benefit of a lifetime of experience. Our customers have the advantage of our unequaled shipping facilities. Toledo, with thirty-five railroads and interurban trolley roads, besides eight express companies, many steamship lines and central location, is far ahead of any other city in this respect.

Kindly read our Catalogue over carefully in its different departments, as with cultural directions, etc., we know you will find much to interest you.

QUALITY OF SEEDS.—We do not buy cheap Seeds. We have our Seeds, Bulbs and Plants grown by the most celebrated and reliable Seed growers in this country and Europe, and it is our constant aim to send out only Seeds of superior quality, and the prices we ask for them will compare favorably with those of any first-class house. We guarantee that all our Seeds are of good germinating quality. All persons conversant with horticultural operations will, however, know that at times the best of seeds fail to grow, owing to causes we cannot control and entirely beyond our responsibility.

The Market Gardener or progressive, practical farmer does not look for cheapness when buying his Seed. What he wants is Seed true to name and of strong vitality, which he certainly gets when he buys Philipps' Pioneer Brand Seeds.

MAIL-ORDER BUSINESS.—We have no canvassers or agents to solicit orders. All outside business is done through mail orders direct to us. This means a saving to our patrons as well as to the firm. Close and prompt attention to such orders and honorable dealing have assured us a steady growth, and we now enjoy an immense mail-order business. Our friends and patrons have found by experience that buying through letter is as safe and satisfactory as buying over the counter, and have materially assisted in the extension of our business.

SEEDS POSTPAID BY MAIL.—All Vegetable and Flower Seeds (not Field Seeds) by the packet, ounce or pound, will be delivered by us, postage paid and free of all expense. When Beans, Corn and Peas are ordered we have to request an additional 1c. per quart or 8c. per pint, to be added for part postage on same. This system places our store as near your very door, and enables customers thousands of miles away to obtain their supplies as cheaply as if they called in person at our store.

NOVELTIES.—We devote considerable time each year to testing the various so-called novelties offered by the seed dealers of this and other countries, and whenever we discover anything desirable we offer it to our customers. In each department of this catalogue we offer a number of well tested novelties, which we are sure will prove satisfactory.

ADDRESSES, ETC.—In ordering please be particular to write your Name, also that of your Postoffice, County and State plainly, also mention the mode of conveyance you prefer—whether by mail, express or freight, also name of express or freight station. Serious orders are sometimes expressed or by carrier to give attention to these matters. When not specified we shall use our best judgment. When goods are sent C. O. D., return charges will be added. As the prices of articles are catalogued, the purchaser can save the return charges by enclosing the remittance with the order.

ORDER EARLY.—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use our order sheet, as it makes it more convenient for us in filling orders.

GUARANTEE.—Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil. Insects of different descriptions destroying the plants as soon or before they appear; wet weather, cold weather, frosts, chemical changes in the seeds induced by temperature, etc. For these reasons it is impracticable to guarantee Seeds under all circumstances, and while we exercise all care to deliver all Seeds pure and reliable, we do not give any warranty expressed or implied. If the purchaser does not accept the Seeds on these terms and conditions, they must be returned at once, and the money that has been paid for them will be refunded.

HOM TO SEND MONEY.—Cash should always accompany the order. We will be responsible for money sent us by Postage Stamp Order, Bank Draft, Express, or Registered Letter.

Bills, Coin or Stamps (we accept postage stamps same as cash) can be sent safely by registered letter. Every postmaster is required to register any letter on payment of eight cents extra postage. We will in no way be responsible for Stamps or Money enclosed in a letter without registering. In case it is possible to send in no other way than by P. S. Postage Stamps, we prefer the two-cent letter stamps, and care should be taken not to have them get moist and stick together.

Please remember we are Growers and Importers of all kinds of Garden, Field and Flower Seeds, and can sell you just as good seed as any seedman has to offer.

We want your trade and ask that you let us know your wants, when we will be pleased to mail you any information at our command, also quote you right prices for best Seeds and Implements money will buy.

For Introduction and General Directions Read Page 1
For Vegetable Seeds and Herbs Read Pages 2 to 34
For Field Seed Department, Grass and Lawn Seeds Read Pages 35 to 42
For Flower Seed Novelties and General Collection of Flower Seed Read Pages 43 to 65
For Summer Blooming Bulbs and Roots Read Pages 66 to 70
For Hardy Perennials, Roses, Shrubs and Small Fruits Read Pages 71 to 77
For Fertilizers, Lawn Dressing and Nitro Culture Read Page 78
For Garden Supplies, Incubators, Breeders, Etc. Read Pages 79 to 90
For Sprayers, Insecticides and Spraying Formulations Read Pages 81 to 93
For Implements and Farm Machinery Read Pages 84 to 98

Put this book where you can find it when wanted, or better still, send us your order at once and have it filled before the rush at seeding time.

We shall hope to hear from you soon and often during the year 1908.

The Henry Philipps Seed & Implement Co.
### General List of Standard Vegetable Seeds

#### ARTICHOKES

**CULTURE.**—Sow in April and May in rich soil and transplant to permanent beds the next spring, in hills three feet apart with three feet between rows. Deep loam is required and plenty of moisture.

The Globe Artichoke is cultivated for its flowerheads, which are cooked like Asparagus. On account of its hardiness, easy culture and perennial nature, plants will remain in bearing a long time.

**Large Green Globe** is the most popular and best for general cultivation. Pkt. 5¢; oz. 50c.; lb. $2.50.

**Tuberous-Rooted Artichoke**—New White. Well known throughout the country. The roots are esteemed for pickling and are a profitable crop to grow for feeding hogs, cattle, calves and sheep. Yield sometimes 1,000 bushels per acre. Like parsnips, freezing does not spoil them, so it is not necessary to dig them for spring use. Four bushels plant an acre. Per peck 50c.; bushel $1.75. If by mail, postpaid, 25c. per lb.

#### ASPARAGUS

**ASPARAGUS ROOTS**

By purchasing Good, Strong Roots one or two years’ time is saved.

**Philips’ Dwarf or Snap Beans—Green Powed Varieties.**

One quart to 275 feet of drill; 1½ bushels to the acre.

Of the many varieties of Beans, the following list comprises the very best of all. While the stock is extra choice, the stock each year being carefully “rogued” and the seed stocks improved by continued intelligent selection.

**Burpee’s Stringless Green Pod.** One of the earliest and best round podded Beans in cultivation. Pkt. 5¢; pint 15c.; quart 20c.; peck $1.25.

**Burpee’s Early Round Pod Red Speckled Valentine.** A select strain of early Red Valentine, ripening very uniformly and producing enormously. Pods tender and succulent; the most profitable sort for the gardener; ready to pick in 5 weeks. Pkt. 5¢; pint 15c.; quart 20c.; peck $1.25.

**Canadian Wonder or Rose Bean.** Of very dwarf habit. Pods tender and delicious; growing frequently 1½ inches long. Pkt. 5¢; ½ pint 10c.; pint 15c.; quart 20c.; peck $1.25.

**Golden, or Boston Flat Bean.** Particularly valuable as a shell Bean, being large, handsome, and of delicious flavor either green or dry; it is very productive. Pkt. 5¢; ½ pint 10c.; pint 15c.; quart 20c.; peck $1.25.

**SHELLED BEANS.**

**Red Kidney.** A good Bean, either green or ripe. Pkt. 5¢; pint 10c.; quart 20c.; peck $1.25.

**White Kidney.** Excellent either green or ripe, early and very prolific. Pkt. 5¢; pint 10c.; quart 20c.; peck $1.25.

**White Navy or Boston Pea Beans.** Pkt. 5¢; pint 10c.; quart 15c.; peck $1.00.

**Philipps’ Dwarf—Wax Powed Varieties.**

Currie’s Rust-Proof Golden Wax. It is positive rust-proof, while growing side by side for several years with other Wax Beans, all of them more or less affected by rust, many of them completely ruined by it, this Bean has remained entirely free from it. Exceedingly crisp and tender; and of a most delicious flavor. As early as the Golden Wax, and it is moreover amazingly productive. Habit upright and robust, holding the pods well from the ground, pods long, flat and straight, of a beautiful golden color; the best Black Wax Bean out. Pkt. 5¢; ½ pint 10c.; pint 15c.; quart 20c.; peck $1.25.
WAX PODDED VARIETIES.

Wardwell's Dwarf Kidney Wax. Extra early, hardy and productive, pods long, broad, flat, and of a delicate waxy yellow; brittle and entirely stringless; decidedly the best Bean for market gardeners. Our price on this Bean being lower than other seedsmen sell them, should insure you your order. Beans white with two shades of reddish purple, and a distinct kidney shape; remarkably free from rust; excellent flavor. Pkt. 5c.; ½ pint 12c.; pint 15c.; quart 30c.; peck $1.50.

The Davis Kidney Wax Bean. This is a new and distinct Kidney Wax variety of late introduction, and proved without exception to be the best white seeded wax podded Bean known. The plant is vigorous and healthy, of compact, upright growth, carrying its pods on the center and well up from the ground. It is very productive, always giving a large yield of handsome pods, with a small proportion of imperfect and misshapen ones. The pods are very long, oval, clear, waxy-white color, and when suitable size to use for snaps quite stringless, showing no tendency to string until they approach maturity. Practical market gardeners are delighted with it because of its earliness, hardness, productivity, handsome appearance, its good shipping and selling qualities, and small proportion of waste and second quality pods. Canners say it is just what we want; a long, straight, clear white pod which does not discolor in canning. The large, handsome, kidney-shaped dry beans are attractive, and this new Bean is sure to become a very popular and standard sort for family garden as well as a market, and we highly recommend to our friends to give it a trial. Pkt. 5c.; ½ pint 16c.; pint 15c.; quart 25c.; peck $1.75.

The Davis Kidney Wax.

Dwarf Red Flageolet Wax. Pods very large, sometimes 10 to 12 inches in length; entirely stringless, very fleshy, exceedingly tender and succulent; one of the heaviest yielders and nearly always exempt from rust. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

Golden-Eyed Wax. This Wax Bean has pods about five inches long, and one-half inch broad, straight, flat and fleshy; a good yielder. Price, pkt. 5c.; ½ pint 10c.; quart 25c.; peck $1.75.

Improved Golden Wax. (Rust-proof.) The handsomest and hardiest of all the Wax Beans. Very productive; pods straight, broad, and a beautiful golden wax; quality very excellent. It is also one of the very best green shelled beans and excellent dry. We recommend it to all. Pkt. 5c.; ½ pint 18c.; pint 15c.; quart 25c.; peck $1.75.

New Profile German or Cylinder Black Wax Bush Bean.

New Profile German, or Cylinder Black Wax Bush Bean. This is an entirely new and improved strain of the old favorite German or Black Wax Bean, earlier and very productive. Pods perfectly round, straight, long, and of an even, rich golden color. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

Improved Golden Wax.
PHILIPS' POLE OR RUNNING BEANS

CULTURE.—Now as soon as the soil becomes warm and dry, from the first of May (for all except Limas), to the latter part of May, in hills four feet apart each way, to be planted in drills 3 inches deep. One quart of Limas will plant about 300 hills, allowing four or five beans in a hill, and of the smaller sorts about 500 hills. Poles eight to ten feet long should be set firmly in the center of the hills before putting in the seed.

Horticultural or Speckled Cranberry. Showy and excellent either snap or shell Beans. A popular variety. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 25c; peck $1.75.

Dutch Case Knife. White seeded. Pods long, green and flat; can be either snapped or shelled when used; good for pickling. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 25c; peck $1.75.

Scarlet Runner. A popular English pole Bean; very ornamental, producing scarlet flowers; good for snap or green shelled. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 25c; peck $1.75.

Seibert's Extra Early Lima. Extra Early Lima. Mature ninety days from germination. Yield about eighty bushels green pods per acre. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 30c; peck $2.00.

Extra Large or Mammoth White Lima. This is the largest of all the Limas. The pods are of enormous size and contain from five to eight beans. Largely grown and highly esteemed. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 30c; peck $1.75.

Tall German Wax (Indian Chief). Black seed. A good snap sort, maturing in seventy-five days; also good for shell Beans. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 30c; peck $2.00.

New Golden Andalusia Wax Bean. This new Bean has created a decided sensation. Hundreds pronounce it emphatically the most available pole variety ever offered. It originated in Andalusia, Bucks County, Pa., with a celebrated Bean grower. Our illustrations give some idea of its wonderful productiveness. It is nothing unusual to pick one-half bushel to three pecks from a single vine at one picking. The pods are five to six inches long, broad, thick, very fleshy and entirely stringless, far surpassing all other varieties in this respect and retaining these important qualities until almost ripe. Exceedingly rich, buttery and fine flavored. The vines cling well to the poles, a very important feature, as the weight of a vine filled with such a mass of large pods is very great. They commence bearing in great abundance while the vines are quite young, and continue to bear profusely throughout the entire season. The beans when dry are round, pure white in color, and also make a fine shell or winter Bean. Large pkt. 10c; pint 20c; quart 35c; peck $2.06.

White Creaseback Pole. Exceedingly productive in clusters or from four to twelve handsome green pods, six inches long, perfectly round, entirely stringless; very fleshy,结密 tough. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 25c; peck $1.50.

Red Speckled Cut-Short, or Cornhill. An old variety, very popular for planting along the corn, and will give a good crop without the use of poles. Pods medium, with dark colored, smooth leaves; pod short, cylindrical and tender. Pkt. 5c; 1/2 pint 10c; pint 15c; quart 25c; peck $1.50.

New Early Golden Cluster Wax. Undoubtedly the earliest pole variety. Only about ten days behind the Dwarf Golden Wax. Although it begins to bear early, it continues until frost. Every one is surprised at its beautiful appearance and productiveness. The pods are from six to eight inches long, borne in clusters of from three to six, and most freely produced; stringless, very tender, and of a delicious flavor. Pkt. 10c; 1/2 pint 15c; pint 20c; quart 35c; peck $2.06.

Kentucky Wonder. A very prolific long green podded stringless snap Bean. Pods round and very crisp, most deliciously floured and very meaty. Pkt. 5c; pint 10c; quart 25c; peck $1.75.

Lazy Wives Pole Bean. This variety originated in Bucks County, Pa., where for a number of years it has been the most popular pole Bean grown. Pods are wonderfully broad, thick, fleshy, and above all, entirely stringless. In these respects they surpass any other known. Then, again, the beans retain their rich, stringless and tender qualities until they are almost ripe, so much so the fact that we are perfectly safe in saying that they are the best of all Snap sorts. It is just the sort to suit wives, as a mess can so soon be picked for dinner. Pods are rather flattish, oval shape, and when fully grown are from four to six inches long, exceedingly rich, buttery, and fine flavored when cooked. They are hardy, easily grown and enormously productive. We could furnish hundreds of testimonials from persons who have used the Lazy Wives Bean, all claiming it to be the bean they have ever tried, and many have discarded all other kinds, using this for an early and late snap sort, and also as a dry shell or winter bean; and such is the peculiar taste and flavor of this Bean that we have known many persons who could not be induced to eat other varieties of string beans after tasting Lazy Wives, if they could obtain the latter. Pkt. 10c; pint 20c; quart 35c; peck $1.50.
BUSH LIMA BEANS

The Bush Limas grow without aid of stakes or poles, in compact bush form, 15 or 18 inches high, produce enormous crops of delicious Lima Beans which can be easily gathered as the common garden bush bean. They are earlier than the climbing Limas and bear until frost.

Henderson's Bush Lima. The earliest of the bush Limas, two weeks earlier than any of the climbing beans. It is small in size, but of high table merit, and in favor with housekeepers on account of its delicious flavor and great productiveness. The plant requires no support of any kind. It bears until frost, and a small patch will supply a family. Pkt. 5c.; pint 15c.; quart 30c.; peck $1.25.

Burpee's Bush Lima. A dwarf or bush form of the large climbing Lima. The climbing habit has been almost wholly obliterated, and no poles are required. The pods and seeds are of full Lima size. The common yield is from 50 to 200 marketable pods per plant. The size and luscious flavor of the bean are exactly the same as with the climbing Lima types. Pkt. 5c.; pint 15c.; quart 30c.; peck $2.00.

When Beans are ordered by Mail, Postage must be added to Catalogue prices at the rate of 12c. per quart.

BEETS

For the Table.

(One ounce sows 60 feet of drill; 4 to 6 lbs. for one acre.)

CULTURE.—Sow as early in the spring as the ground can be worked, and every two weeks after for a succession up to the first week in July. For general crop sow about the middle of May. The soil should be light, well enriched with manure, plowed and harrowed until very fine. Sow in drills one foot to fifteen inches apart, and when well up, thin from four to six inches. The young Beets pulled out of the rows are excellent used as Spinach.

Crosby's Improved Egyptian.—We believe this to be the earliest variety of Beet in existence. It was originated by a leading market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small, thus making a good Beet for bunching, and is very popular with the Toledo market gardeners for this purpose. Our seed stock is first-class and all gardeners should buy it. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Edmund's Early Blood Turnip.—One of the best Beets grown, being a very careful selection. The roots are of good form, round, with only one single small tap root; the flesh is of a deep blood red color, and very sweet and tender; they can be planted very closely, as do not grow large and coarse, and have a very small top. It is one of the best for the market gardener and for table use. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 50c.

Detroit Dark Red Turnip.—A first-class deep red Turnip Beet both for market gardeners and home use. Has small upright growing tops, leaf-stems and veining dark red, blade green, roots globular, smooth, tender and sweet, and remaining so for a long time. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 50c.

Eclipse.—A very early, smooth, dark, globe-shaped Beet, with small top; in eatliness and quality it excelled by none. A good cropper. We can recommend it highly for market and garden use. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Early Blood Red Turnip.—The old stand-by and a universal favorite. Deep blood color. Good early and late. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

New Half Long Blood.—This is an entirely new and distinct variety, by far the best for summer and winter use. The roots are only half as long as the Long Blood, but weigh as much on account of their thickness. They are smooth and handsome, and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody even in the exposed portions. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

Improved Early Egyptian.—The standard early market sort; color very deep red; tender and sweet; in form like the Flat Dutch Turnip. Our seed is a special selection of the darkest, earliest and most perfect roots with small tops. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.
New Columbia Blood Beet. This is a distinct new Beet of a handsome turnip shape, with smooth skin and deep blood-red flesh of finest quality. Ready to use very early, as soon as the well-known Egyptian, but of better quality. It is remarkably thoroughbred. The tops uniformly small, and of a rich, bronzy color. Is not only of unusual value to the market gardener, but its fine quality will delight the private planter. (A money maker.) Pkt. 5c.; oz. 10c.; 4 oz. 25c.; lb. 50c.

Improved Arlington, or Rawson's Boston Market Beet. A great favorite, of medium size and a dark, rich, blood-red color. One of the strongest points in favor of this variety is the fact that it does not get bitter and stringy when it is a little old, as is the case with many other varieties, but is sweet and tender at all times. Its grand quality, uniform shape and beautiful color leave nothing to be desired in this grand Beet. Pkt. 5c.; oz. 10c.; ¼ lb. 15c.; lb. 60c.

Lentz Blood Turnip. This variety originated with one of the largest market gardeners in Philadelphia. It is as early as the Egyptian, but larger, of a fine, dark red color, a very small top, tender and sweet. It is very productive and a good keeper. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 45c.

Long, Smooth, Dark Blood. A good variety of late Beet, sweet and tender; will keep solid and fresh all winter. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; 1 lb. 45c.

Swiss Chard, Silver or Sea-Kale Beet. Cultivated for its leaves, which are used similar to Spinach. The midribs are stewed like Asparagus. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

Beet Plants. See Vegetable Plant List, page 34.

SUGAR BEETS AND MANGEL WURZEL

SUGAR VARIETIES.

From 6 to 8 lbs. of Seed required to the Acre. By mail 5c. per pound extra.

CULTURE.—The seed should be sown from April to middle of June, in drills two feet apart, and afterwards thinned out to stand nine inches apart. The roots are 8 inches deep in the rows. The plants can also be replanted like Cabbage.

The Sugar Beet Industry in this country is growing each year, and first quality seed will be in demand. We import our Sugar Beet Seed direct from Germany and France, so that our customers can depend upon getting first-class seed at rock-bottom prices. Sugar Beets are not such heavy croppers as Mangels, but are of superior quality, containing a large amount of saccharine matter.

The attention of farmers to the growing of roots for feeding stock has increased rapidly, judging from the increased sale of our selected seeds, which now reach several tons annually. The wonderful results are plainly shown in the health and general condition of the animals, and in the increased yield of milk in cows.

The importance and value of this crop to farmers cannot be overestimated, and is fully realized by very few, when the fact is considered that as high as 50 tons of Mangel Wurzel may be grown on a single acre, thus providing fresh and healthful stock food for the winter at so small an outlay.

Klein-Wanzlebann. This kind is cultivated on a larger scale than any other Sugar Beet. The root is conical, straight and even, quite large at the head and rapidly tapering. It is a heavy yielder, and contains 13 to 15 per cent. of sugar. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 25c.

Lane's Improved Imperial Sugar Beet. An improvement on the French Sugar Beet. The most profitable, popular and productive variety of Sugar Beets in cultivation. For feeding cattle, sheep and swine it has no equal. This Beet will yield from 30 to 40 tons per acre, at a cost of 5c. per bushel. It is one of the best adapted to the soil and climate of the United States, and most valuable of any for stock feeding purposes. The Beets grow to a large size, and perfect in shape. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 25c.

White French Sugar Beet. Grows large and useful for sugar, as well as stock feeding. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 25c.

Red Rosy Sugar Mangel. This is a new variety that will pay all Farmers and Dairymen to try. Flesh white, firm and very sweet, and greatly relished by cattle. Roots grow well above the ground and easily harvested. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 30c.

Mammoth Long Red Mangel Wurzel.
SUGAR BEETS AND MANGEL WURZEL

By mail 5c. per pound extra.

STOCK FEEDING VARIETIES.

Growing Mangel Wurzel and Sugar Beet for stock is the grower’s best investment. These make the cheapest of food for all kinds of live stock: Cattle, Horses, Sheep, Pigs, Chickens. Two bushels of Mangels are worth as much as one bushel of Corn. Four bushels of Mangels equal 100 lbs. of good hay. It is pleasing to receive scores of the most flattering reports from our friends of their great crops of Mangels grown from the seed they bought of us. Our friends may rely upon getting the best seed, grown from the choicest strain and stock in the world. Send as your order.

Mammoth Long Red Mangel Wurzel. Very large and productive. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 25c.

Norbiton Giant, or Jumbo Red Mangel. Stands head above all other varieties of Mangels. Unequalled for yielding and feeding qualities. Thousands of farmers have grown this Mangel and call it the most profitable farm crop they ever tried. If you want a large crop of large Mangels of good quality don’t fail to try the Norbiton Giant or Jumbo Red Mangel; enormous cropper. Preferred by many to common Long Red, as its keeping quality is considered better and it is much larger. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 25c.

Golden Tunkard Yellow-fleshed Mangel. This distinct variety is a most important addition to our list of roots for stock feeding, as it contains less water and more sugar than any other Mangel. A special feature is the rich, deep yellow color of the flesh, nutritious and milk-producing qualities. In England it is a favorite for dairy farming, large dairy farmers state that they are not only able to obtain a higher price per gallon for milk from cows fed on this Mangel, but also that the cows are in much better condition. Is exceedingly hardy, and matures earlier than other large sorts. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 25c.

Champion Yellow Globe Mangel Wurzel. For cattle; large and productive; keeps well; is of orange yellow color; very sugary; easily pulled. Pkt. 5c.; 2 oz. 10c.; ½ lb. 15c.; lb. 25c.

BROCCOLI

CULTURE—Same as Cauliflower. This very much resembles Cauliflower in appearance and uses, but is by many considered more delicate.

Broccoli. Large White Mammoth Cape, produces fine large heads, equal in size and quality to the best and largest varieties of Cauliflower. Pkt. 5c.; oz. 25c.

BRUSSELS SPROUTS

SELECTED AMERICAN-GROWN STOCKS THAT MARKET GARDENERS CAN DEPEND UPON.

We are Headquarters for Select and Double Tested Seed.

To Market Gardeners generally no vegetable is of greater importance than the Cabbage, and to many growers the success or failure of this crop means gain or loss for the year. It does not pay, therefore, to take any risk in buying seed. Much of the seed commonly sold has not had the great care necessary in growing to make it reliable. Our Cabbage Seed is high grade and reliable because it is sown to head under any circumstances where Cabbage will head. Sure to head because the seed is all carefully grown from selected heads of the very best strains. Our trade increases largely every year among Market Gardeners and large growers, who are very cautious of whom they procure their Cabbage Seed, and who well know what the most important crop. We especially recommend our Select Very Early Jersey Wakefield, a variety of celebrity for the first early; Henderson’s Early Summer, Phillips’ Improved Succession, Pottier’s Improved Brunswick, Danish Ball-Head, our Market Gardeners’ Large Late Flat Dutch, Phillips’ Premium Flat Dutch. All Seasons. Soft Head. Flat Dutch. Phillips’ All Head and Autumn King, for general crop.

Our Cabbage Seed is the best that is grown in the United States. We do not touch any cheap seed. Imported Cabbage Seed, of the late sorts especially, will not head in this country.

One ounce of seed produces 1,500 to 2,000 plants and sows an area of about 40 square feet.

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage.

Of the early varieties of Cabbage, in latitudes where the thermometer never indicates 20 degrees below the freezing point, seed may be sown in the open border in October, and transplanted on the first opening of Spring; but in our Northern States they must either be sown in hotbeds in February or wintered over in cold frames; for this purpose the seed is sown from the 10th to the 20th of September. Attention to date is important; if too soon the plants may run to seed, and if too late they would be too small. In four or five weeks from the time of sowing they will be fit to transplant into the cold frames. In planting it is very important with Cabbage or Cauliflower that the plant is set down to the first leaf, so that the stem is all underground, for, if exposed, it will be split by the action
of the frost and will be injured in consequence. The plants are usually set out from the middle of March to the middle of April in rows about two feet apart, and eighteen inches between the plants in rows. This earliest crop matures in June. For second early, the early kinds should be sown first week in April and planted out in May. This crop should mature in July and August. The late varieties are usually sown in the early part of May and the plants are set out in July at a distance of three feet between the rows, and two feet between the plants. This crop matures September, October and November.

For Cabbage Worm Try Slug Shot. Read Page 93 for Description of Slug Shot.

FIRST EARLY.

Select Early Jersey Wakefield. Certainly deserving of its great popularity and is grown for market more extensively than any other early Cabbage. It heads up remarkably hard and solid; the heads are pyramidal in shape, generally pointed at the end, and having few outside leaves. The plants can be close together. The heads are of excellent quality and good size. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $1.35.

The Charleston or Large Wakefield Cabbage. It is five to six days later than early Jersey Wakefield. The heads are fully one-half larger and quite solid. It is very compact in growth and can be easily planted in rows two feet apart and twenty inches in the rows. One great advantage is, it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury until a favorable opportunity for cutting. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $1.25.

Early Winningstadt or Cone. An old standard variety; heads of a fair size, conical in shape, very solid; good for early and late. Pkt. 5c.; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Select Early Jersey Wakefield.

Early Summer. The standard for second early. We have an excellent strain of this well-known sort. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Follitter’s Early Drumhead or Short Stem Brunswick. A rapid grower, has large solid head and few outside leaves. If planted early it is ready for use in July or August; planted late it is a choice winter sort. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

SECOND EARLY.

Danish Summer Ball-Head. We are pleased to introduce to our customers this Summer Ball-Head Cabbage, that we can recommend as a second early quick maturing Cabbage, equally as hard and resembling the Winter Ball-Head you all know so well. We import this seed direct from the originator in Denmark and you can depend upon it. Give it a trial. Pkt. 10c.; oz. 30c.; ½ lb. $1.00; lb. $3.00.

Genuine Sure Head. This popular Cabbage is rightly named Sure Head. It never fails to make a remarkably fine, solid, large head, with few outer leaves. It originated some years since with a practical market gardener, by crossing the Flat Dutch and Drumhead varieties, and has always brought the highest price in markets. It is a strong, vigorous grower, ripening late for a main crop, and very uniform in size and color. Our supply is grown from original seed, and none better is to be had at any price. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

All Seasons. This strain of Early Drumhead Cabbage we offered to the public some years since, under the broad claim of being about as early as the Early Summer, and growing much larger. Gardeners everywhere say they find our claims are fully substantiated in every particular. As its name indicates, it can be planted at all seasons. It forms a fine large head of superior quality, not bursting after heading; the heads are of great thickness, which makes a capital market sort and good keeper. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Early Dwarf Flat Dutch. An excellent second early old standard variety, producing fine large heads after the first early varieties have disappeared. Highly valuable both for its fine quality and ability to resist heat. Heads are very solid, broad and round, flattened on top, tender and fine grained. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.50.

Improved Stony Mason, or The Warren. We think this is one of the very best for fall and winter use. Our stock is of the best. Plant medium sized, with only a moderate number of leaves; stem medium length; heads medium sized to large, round or slightly flattened, very solid, crisp, tender, without being strong or coarse flavored. It will certainly give the greatest satisfaction. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.50.

Philipp’s All Head Medium Early Cabbage. It is the earliest of all large Cabbages. It is fully one-third larger than Early Summer. The deep, flat heads are remarkably solid and uniform in color as well as in shape and size. Is of fine quality. By reason of the compact habit of growing of the Philipp’s All Head Medium Early and the absence of loose leaves, fully one thousand more heads can be obtained to the acre than of most other varieties of good size. Set the plants eighteen inches apart in the rows with three feet between the rows for cultivation, and Nine Thousand Six Hundred and Eighty (9,800) plants can be set on one acre, 95 per cent. of which, in an ordinary season and with good cultivation, will make good merchantable heads. “All Head” is all that can be desired for earliness; it is also valuable for a late or Winter Cabbage. To winter well the heads must be deep or thick through—a prominent feature of this variety. Seed of the “All Head” sow in July, and plants set out about the middle of August, will bring heads large and solid, which are sure to winter well. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.
THE HENRY PHILIPPS SEED AND IMPLEMENT CO.

THE LUPTON.
The greatest Cabbage Ever Offered.
A Thoroughbred Late Cabbage
That Will in Many Ways
Surpass Every Sort
Herefore Grown.

This famous Cabbage was bred
and introduced by Mr. Lupton, who
is probably the largest individual
producer of Cabbage Seed in the
world. It was bred from a single
carly plant of a late variety; is
earlier than any of the late sorts, much
more uniform in growth, heads more
everly, is of better quality, is not
quite so large; can be planted closer,
and will give a crop in weight larger
than any of them. The heads are
usually deep, similar to the Hol-
dlander or Danish. It is a strong,
but not a coarse grower, dark green in
color, and fine grained; a good
keeper. The hardest heading Cabbage
ever grown. This is the unani-
mous endorsement of the best gar-
deners in America. Intended for a
market gardeners' main crop Cab-
bage. Price, pkt. 5c.; oz. 15c.; 4 oz.
50c.; 1 lb. $1.60.

Hollander or Danish Bull-Head
Cabbage. For several years past all
the large cities in the United States
have been furnished with Cabbage
shipped in from Holland. This Cabb-
bage, although of medium size,
weighs about twice what our native
grown Cabbage does, and is there-
fore easier to handle when selling by
the ton. In order to stop this im-
portation and keep our money at
home, we imported the finest strain
of this Cabbage grown, and now
offer this seed to our gardener
friends and patrons. The heads are

Philips' Lutron Cabbage.

of medium size, heavy and solid as a cannon-ball and will keep over winter much better than our old standard varieties
of Cabbage. Give it a trial. Pkt. 5c.; oz. 25c.; 1 lb. $2.25.

Philips' Improved Succession Cabbage. This new Cabbage we offer is the best Long Island Seed grown from the
center shoots of carefully selected solid heads of the very best strain. The Succession is about one week later than
the Early Summer, but is double the size and is so finely bred that in a field of ten acres every head was a magnifi-
cent, perfect specimen, fit for exhibition purposes. The Succession brings paying prices wherever grown, and may be
regarded a boon to the gardening
community. Pkt. 5c.; oz. 15c.; ½ lb.
50c.; 1 lb. $1.75.

Toledo Market Gardeners' Large
Late Flat Dutch. This strain of
Cabbage has worked itself to the
front and enormous crops are grown
every season around Toledo, and
we honestly recommend this strain
of Cabbage to all who wish to grow
a large, heavy, hard, smooth-scaled,
late ripening Cabbage, no strain is
superior, and few equal to this.
The leaves are feathered to the
stalk, slightly fluted or twisted on
the outer edges. Color, a clear
green with a gray or ashy shade
under certain lights. The head is
thick, broad, solid and slightly
rounded on the top, though the
variety is what is termed the flat
head. The natural habit of the
seeding plants is to develop thick,
short, stocky stems. The seed is
worth twice the money asked for
it, the strain carefully selected to
meet the most critical demand. To
those who have never grown this
splendid type of Cabbage, will say
that we have received hundreds of
the most flattering testimonials
about it. All give it the highest
praise, and we recommend it to our
friends as one of the best and most
productive Winter Cabbages in the
country. Pkt. 5c.; oz. 15c.; ½ lb.
50c.; 1 lb. $1.75.

Our Toledo Market Gardeners' Large Late Flat Dutch.
Improved Autumn King Cabbage. Has proved itself a peerless variety and is coming into general use. We have no hesitation in recommending it as one of the finest late Cabbages in this country. The Autumn King is an entirely distinct variety and the best keeper ever seen; it produces enormous solid heads of that dark shade of green that is most desirable in a Cabbage, and has such small outer leaves that it can be planted much closer than the ordinary late sorts, and can be relied upon to produce a greater weight of crop per acre from the fact of its producing so few outer leaves and going all to head. We understand that some other seedsmen are offering this same stock of Cabbage under the name of “World Beater,” which variety was introduced a few years later as one of the grandest of all Winter Cabbages, which is the case with the Autumn King. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

Philips' Premium Large Late Flat Dutch. As a variety for the main crop and the winter market this has no superior. Heads large, round, solid, broad and flat on the top; they open white and crisp, are tender and well flavored. It is also one of the very best varieties to keep. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.50.

Philips' Toledo Large Late Drumhead. This is one of our standard late maturing varieties. Large, solid head, with very short stem; grows very compactly. Heads frequently attain 20 to 30 pounds. We highly recommend this great Cabbage to all; always reliable as a header and noted for its excellent quality. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

American Drumhead Savoy. The largest heading Savoy; of excellent flavor. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

PHILIPPS' RELIABLE SAVOY OR CURLED CABBAGE

We desire to call special attention to this class, all of the varieties enumerated below being of much finer flavor and quality than the best of other Cabbages. They are particularly adapted for private use, where quality rather than quantity is desired. Grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

Netted Savoy. This is the finest of the Savoy class, and a general favorite. Heads large, very solid and compact, a yellowish-green color, and like all others of the Savoy varieties, is of excellent flavor, far surpassing that of any other late Cabbage. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; 1 lb. $1.75.

American Drumhead Savoy. The largest heading Savoy; of excellent flavor. Pkt. 5c.; oz. 15c.; ¼ lb. 50c.; lb. $1.75.

RED CABBAGE

Extra Early Dark Red Erfurt. The earliest and finest red. A useful sort for pickling. Pkt. 5c.; oz. 15c.; ¼ oz. 50c.; lb. $1.75.

Mammoth Rock Red. The Mammoth Rock is by far the best largest and surest heading Red Cabbage ever introduced. The plant is large, the head is large, round, very solid and of a deep red color; will average 12 pounds each. Pkt. 5c.; oz. 20c.; ¼ oz. 50c.; lb. $2.00.

It was the Red Cabbage exhibited at the fairs in our section, from seed we sold, which drew the highest premium. Do not fail to try some. Much Imported Cabbage seed is offered as American at low prices. Our experience is that imported seed of the late varieties is worthless. Plants quoted “by mail” are sent at our expense; “by express,” at the purchaser's expense.

Cabbage Plants. Any of our early varieties ready April 10th. By mail, 100, 75c.; by express, 100, 50c.; 1,000, $3.00.

Cabbage Plants. Any of our late varieties ready June 1st. By mail, 100, 75c.; by express, 100, 40c.; 1,000, $2.00.
CARROTS

Sow 1 ounce to 150 feet of drill; 3 lbs. to the acre.

CULTURE.—The Carrot, like all other root crops, delights in a sandy loam, richly tilled. For early crops sow in spring, as soon as ground is in good working order; for later crops they may be sown any time until the middle of June. Sow in rows about fifteen inches apart, thinning out to three or four inches between the plants. In field culture, when grown for horses or cattle, the rows should be two feet apart, so that the crop can be worked by the horse cultivator. As carrot seed is slow to germinate, all precautions must be taken.

Chantenay Half Long Scarlet. A stump-rooted variety, somewhat resembling the well-known Nantes Carrot, but having a larger shoulder and being much more productive; sweet, fine flavored, almost without a core; very fine grained; excellent for home garden and market. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 75c.

Early Scarlet Horn. Blunt, deep red flesh, tender and delicate; a good early summer sort. Also good for forcing. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 70c.

French Forcing. The earliest forcing variety, globe shaped, reddish orange color. Good for bunching. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 45c.; 5 lbs. $2.00.

Altrington. This Carrot is an immense and sure yielder. Roots are long and large, of a fine scarlet color, good flavor and superior feeding qualities. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 45c.; 5 lbs. $2.00.

Large White Belgian. Very productive kind, grown almost exclusively for stock; grows one-third out of the ground; lower part of root white; that above ground green. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 45c.; 5 lbs. $2.00.

Danvers Half Long Orange. This variety originated where the raising of Carrots is made a special business, twenty to thirty tons per acre being no unusual crop. In form it is midway between the Long Orange and Short Horn. The root is of a rich, dark orange color, and grows very smooth. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Guerande, or Ox Heart Carrot. A very desirable Carrot. In length intermediate between Short Horn and Chantenay; much thicker than either, and carries its thickness well down toward the bottom. In color as dark as Chantenay; is an immense cropper, early harvested, requiring no digging, while its handsome appearance and excellent table qualities make it valuable for either the market or home garden. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 70c.

Improved Long Orange. Our Improved Long Orange Carrots, as will be seen by the illustration annexed, are far superior to the ordinary varieties of Long Orange Carrots, and will yield fully twice as much to the acre as the common varieties. In no other vegetable has there been such improvement recently made as in the Carrot, and we claim to have the best strain of Long Orange Carrots there is to be found in this country. We ask our friends to give it a trial, and be convinced of its great superiority. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; lb. 50c.; 5 lbs. $2.25.

Early Round Parisian Carrot. Improved Long Orange.

Early Round Parisian. This is a new Carrot of extremely quick growth, making it one of the best forcing Carrots on the market. The root is formed much quicker than the French Forcing. The leaves are short and erect, and while small, are quite long enough for bunching. All who desire a small, early and delicious Carrot, one that will mature as soon as many varieties of Radish, should try this. Price: Pkt. 5c.; oz. 15c.; ¼ lb. 30c.; lb. $1.00.
CAULIFLOWER
Imported Direct from Our Grower in Denmark. Choice Selected Varieties.

CULTURE.—The most delicate and delicious of all the Cabbage family, and requiring the same culture and treatment, but being more delicate, the good culture and richness of the soil recommended for Cabbage are absolutely necessary for Cauliflower. By sowing the early varieties in the spring in a hotbed or cold frame, or even in an open border, they can be obtained in pretty good season. One ounce of seed will produce about 2,000 plants.

Gilt Edge Snowball. The strain we have of this variety is without doubt the very best to be had. Our stock was grown from the very finest specimens, noted for their earliness, dwarf habit, large size, uniform shape and compact growth. For forcing under glass during winter and early spring, or for planting in the open ground, no stock of Snowball can surpass it. Pkt. 25c.; 1/4 oz. 75c.; 1/2 oz. $1.25; 1 oz. $2.25; 1 lb. $8.00.

Extra Selected Extra Early Dwarf Erfurt. One of the earliest varieties, small-leaved dwarf, for forcing; producing very solid, pure white heads of the finest quality; about 15 in. high. Do not confound this variety with the cheaper Extra Dwarf Erfurt. Pkt. 25c.; 1/4 oz. 75c.; 1/2 oz. $1.25; oz. $2.25; 1 lb. $7.50.

Alconc. A solid, late variety; very popular with canners and market gardeners. Seldom fails to produce large white heads. Pkt. 10c.; 1 oz. 75c.; 1/2 lb. $2.00.

Extra Early Paris. One of the earliest varieties in cultivation. Very dwarf; large, white, compact heads of finest quality. Highly recommended, sure heading variety. Pkt. 5c.; 1/4 oz. 20c.; 1/2 oz. 50c.; 1 oz. 65c.

Cauliflower Plants. Ready May lst. Snowball and Erfurt. By mail, dozen, 20c.; 100, $1.25. By express, 100 75c.; 1,000, $4.00.

CELERV

One ounce will produce about 3,000 plants.

CULTURE.—A very popular and now extensively grown vegetable. It can be grown with success in any ordinary good soil, but attains perfection in deep, mellow bottom land. Sow when the apple is in bloom, on finely raked surface and cover scarcely at all, quite early in the spring, in a moist place or convenient to water, which apply freely in dry weather. When the plants are four inches (more or less) in height, transplant a portion into very shallow trenches in well-manured land, which receiving repeat at intervals of two or three weeks for a succession, until the necessary quantity is set out.

White Plume Celery. The earliest and handomest, the easiest grown and most profitable for early market. White Plume is self-bleaching; the stalk and portions of the inner leaves and heart are naturally white; needs very little banking up to blanch; crisp, solid and of a nutty flavor, while its white, feather-like foliage places it at the head of all others as a table ornament. Our seed can be relied upon as the “True White Plume.” We have made a specialty of White Plume ever since its introduction. Pkt. 5c.; oz. 20c.; 1/4 lb. 50c.; lb. $1.75.

New Golden Self-Blanching Celery. A very superior market variety; much esteemed for family and market use and a good keeper. Pkt. 5c.; oz. 20c.; 1/4 lb. 40c.; lb. $1.25.

New Golden Self-Blanching (Golden Yellow, Large, solid). Grown in France under special contract. French-grown seed of this variety is especially good and much superior to the American grown, which latter seed often grows hollow and stringy stalks. This is the best Celery in cultivation, and it cannot be too highly recommended. The plant, with its close habit, compact growth, and straight, vigorous stock, has a beautiful appearance. The ribs are perfectly
solid, crisp, brittle and of delicate flavor, surpassed by no other variety, while it has the decided merit of being self-blanching to a very remarkable degree. The heart is large, solid, and of a beautiful golden-yellow color. The leaves also are of a beautiful golden-yellow after the plant has been bleached, which adds greatly to its handsome appearance when prepared for the table. No variety can surpass, if indeed equal, the Golden Self-Blanching in striking appearance and delicious flavor. Exceedingly popular with every planter. Excellent sort for early planting and a good keeper. Pkt. 5c; oz. 25c; ¼ lb. 90c; lb. $3.00.

Crawford's Half Dwarf. A great favorite with market gardeners. Early, solid, vigorous growth, and nutty flavor; very ornamental and exceeds many of the larger growing kinds in weight. Pkt. 5c; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Giant White Solid. The best of the large growing sorts and a favorite variety; solid, crisp and tender. Pkt. 5c; oz. 20c.; ¼ lb. 40c.; lb. $1.50.

Pink Plume. A variety fancied by reason of its distinctive color and hardness. Quality good; desirable in the private garden as one of the most reliable sorts. Pkt. 5c; ½ oz. 10c.; oz. 20c.; ¼ lb. 50c.; lb. $2.00.

New Giant Pascoal. The latest and best variety of Celery. It is a selection from the Golden Self-Blanching and adds to the general good qualities of its parent, superior keeping qualities. The stalks are very large, thick, solid, and of a rich, nutty flavor, free from any taste of bitterness. It blanches very easily and quickly, and retains its freshness a long time after being marketed. The heart is golden-yellow, very full and attractive in appearance. Pkt. 5c; oz. 15c.; ¼ lb. 40c.; lb. $1.50.

Dwarf 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 light yellow, making it an exceedingly showy and desirable variety for either market or private use. Pkt. 5c; oz. 15c.; ¼ lb. 40c.; lb. $1.25.

Perle le Grand. This new Celery is very handsome, stocky, and of close growing, upright habit, with a golden heart. The flavor is sweet and nutty. The stalk is large and heavy, and when bunched makes a beautiful appearance. It blanches easily and can be used early or late. Good winter keeper. Pkt. 5c; oz. 20c.; ¼ lb. 50c.; lb. $1.75.

Mixed Celery Seed. For flavoring. Oz. 5c; ½ lb. 15c.; lb. 25c.

Celery Plants. Ready May 1st. By mail, dozen, 20c; 100, 75c. By express, 100, 69c; 1,000, $2.00.

CELEBRIC, OR TURNIP-ROOTED CELERY.

CULTURE.—Sow early in the spring in light, rich soil; transplant in May into beds. Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and narrow-like. The roots are cooked and sliced; used with vinegar they make an excellent salad. They are also used for seasoning meats and to flavor soups.

Prague Giant. Of fine flavor and large size. Pkt. 5c; ½ oz. 10c.; oz. 20c.; ¼ lb. 50c.; lb. $1.50.

Curled. Aromatic herb. The young leaves are used in soups or salads. Sow thinly in May, in drills half an inch deep, one foot apart. Pkt. 5c; oz. 15c.; ¼ lb. 30c.; lb. $1.00.

CHERIVIL

Large-Rooted Magdeburg. Roots of this form the Chervil of commerce. Used to mix with or as a substitute for coffee. Cultivation the same as for Carrot. Pkt. 5c; oz. 10c; ¼ lb. 20c.; lb. 75c.

CHIVES

Chives are very hardy and perennial members of the onion family. They are grown exclusively for their tops, which are used whenever the flavor of onion is wanted. Planted in clumps in any garden soil, they grow readily and increase so as to render a division necessary. The tops appear very early in the spring, and can be cut throughout the season. They should have a place in every garden. Roots, per bunch, 20c., postpaid.

COLLARDS

True Georgian, or Creole. Excellent for greens; quite extensively grown in the South. Sow for succession from June to August, and treat as Cabbage. Pkt. 5c; oz. 10c; ¼ lb. 20c.; lb. $1.00.

POPCORN

Queen's Golden. A golden-yellow Pop Corn of distinct color. Ears large and well filled with large kernels that pop perfectly white and often measure an inch or more across. Produces four to six ears to a stalk. Pkt. 5c; pint 10c; quart 25c.

Red Beauty. A handsome variety, in size and shape resembling the White Rice, but the grains are of a dark red color. Early and very productive. Pkt. 5c; pint 10c; quart 25c.

Early White Rice. This is the old standard variety of Pop Corn, universally known as the best popping Corn grown. All Pop Corn dealers and candy manufacturers buy this variety in preference to any other. Pkt. 5c; pint 10c; quart 20c; peck 60c; bushel $1.75. We can furnish this Corn either shelled or in the ear.
Do not fail to add postage when ordering Corn by mail in pints and quarts.

GROWN UNDER CONTRACT.

Good Ripe Sweet Corn, Suitable for Seed, Searce and High this Year.

The Sweet Corn we offer is grown under contract here in Ohio, and also in Connecticut. Corn grown in these sections is acknowledged by all seedsmen and gardeners to be second to none. We can buy splendid looking Sweet Corn grown in western States, at one-half the price we pay for ours, but we prefer to work for the benefit and interest of our customers as well as our own, even at less profit. Half peck and half bushel at peck and bushel rates.

HISTORY—The Sweet or Sugar Corn varieties being liable to rot in cold or wet ground should not be planted until May, or ground has been thoroughly warm, and for a succession, plant every two weeks until the last week of July, in hils 2 x 3 feet for the early kinds, and 3 x 4 feet for the late large kinds. Some plant in drills 3 1/2 feet apart and eight inches in the row. Give frequent and thorough cultivation. One quart plants 200 to 300 hills. Eight or ten quarts for an acre.

Extra Early Adams. The Earliest White Corn; ready for table sixty days after germination, height of stalk three to four feet; not a Sugar Corn, but a decided acquisition so very early in the season. In large demand among market gardeners. Pkt. 5c.; pint 15c.; peck $1.00.

Peep o' Day. About 10 days earlier than any other sort of Sweet Corn. Very sweet, and will be highly appreciated by all who try it. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Early Sheffield. A cross between Cory and Adams, and distinctly superior to either variety. Very large, which is not sweet, and as sweet as Cory, which is not hardy. It will withstand light frost. Better than Cory in being free from smut. The stalk grows five feet high, and bears two good-sized ears. The ears are handsome, the grains being in 10 to 12 rows. The table quality is excellent. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Golden Bantam. This is a new and extremely early Sweet Corn, Color deep yellow, very sweet. By reason of the firmness of the grain, which is very tough, it can be planted as early as the Early Adams, thereby making early market sweet corn. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

New Cory. Extra early. The earliest variety of Sweet Corn known. Has a large ear, color of the stalk and its extreme earliness; small red cob, well filled with broad, deep grains; good quality. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Extra Early White Cory. In all respects identical with New Cory, except color, kernels and cob being white; earliness the same. This removes an objection some have to the Cory on account of its color. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Mammoth White Cory. The largest and best extra early variety of Sweet Corn. The stalks are not much larger than the white cob Cory, and each stalk furnishes two or three large, fine shaped ears before other varieties are ready for market. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Early Minnesota. The standard Market Garden Sweet Corn, ears of suitable size for market purposes, esteemed for its excellent qualities. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Shakers' Early. Ready about the same time as the Early Minnesota, but the ears are much larger; from two to three large ears to the stalk; kernels large, of pearly white color and delicious flavor. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Stabler's Early. This corn is of much larger size than usual for such an early corn; fine flavor. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Philipp's New Wonder Early Sweet Corn. We offer this new Sweet Corn as the New Wonder of all early varieties of Sugar Corn ever grown. Its great merit is its earliness, large yield, with ears as large as Stowell's Evergreen, with two and three ears to stalk. Kernel pure white, very delicious, sweet and tender and the most delicious early large-cored Sweet Corn ever introduced. We confidently recommend this New Wonder to the market gardeners as a great money-maker, and should be in every pail this year. Our supply is limited, and would advise all in want of this choice corn to order early. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Crosby's Early Sugar. Early, great favorite in the market, productive and of excellent quality; ears large; a good canning variety. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Moore's Early Conrade. A good second early. Many gardeners plant it as late as July 1st, as the ear will sell as well as Stowell's Evergreen. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Ohio Red Cob Evergreen Sugar. This variety we consider one of the best for a general area, coming immediately after the second earliest. It is very productive, has large well filled ears, with deep kernels and small cob, is very sweet. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

The Ullhoy Corn. A large variety, very white, tender and sweet. It grows eight, ten and twelve rowed. A great favorite with those who can corn for market. It ripens about a week earlier than Stowell's. The ears are longer and not quite as thick as Stowell's. Highly recommended. Try it. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Stowell's Evergreen. Grown more extensively than any other variety, being a great favorite with canners and market gardeners for late use. The ears are large, very delicate, very tender and sugary, very productive and remains a long time in fit condition for table use. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Russell's Profile. Only a few days behind the earliest. As large as the Evergreen, kernels very large, pearl white and sweet, ears ten to twelve rowed, and large, stalks strong, bearing two or three ears each. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.

Black Mexican. A black-grained variety, one of the sweetest of all kinds. Pkt. 5c.; pint 15c.; quart 25c.; peck $1.50.


Sweet Corn is one of the best paying crops to grow. If it cannot all be disposed of in green state, for table use, the corn in its dry state, also the fodder, is very valuable.
Country Gentleman Sweet Corn.
This is one of the finest of all sweet Corns for private table. The shape of the kernels on the cob indicates high quality. The moment your teeth sink into this luscious, milky, tender corn, you will become a complete convert to it, for it will delight the most fastidious epicure. Ears are plump, milky, pearly white, kernels fairly melting in your mouth, retaining its delicate flavor and tenderness even when a little old. Medium early, very productive, each stalk yielding three and often four ears. The Country Gentleman is also the most profitable sort for Market Gardeners and dealers. The ears are enclosed in a heavy husk, which tends to keep the ear in the milk for several days longer than any other corn. The ears average eight to nine inches in length, a very attractive size for table. The cob is usually small, and the pearly white kernel of great depth, of delicious quality and flavor. Don't miss trying it. Price, pkt. 5c.; pint 15c.; quart 25c.; peck $1.75.

At Prices quoted, postage is paid on Beans and Corn in packets only.

CORN SALAD OR FETTICUS

CULTURE.—Sow during August and September, in drills or broadcast. Keep down weeds with hoe. Just before the first of the winter cover thinly with clean straw or leaves. A delicious hearty salad.

Large Seeded. Pkt. 5c.; oz. 10c.; ¼ oz. 25c.; lb. 75c.

CRESS

CULTURE.—Sow thickly in shallow drills every two or three weeks. Cut often—it will continue to grow. Useful as a salad, for breakfast table and garnishing. True Water Cress should be grown in damp soil; if a stream of water could be utilized it would be much finer; will also thrive in damp hotbeds.

Curled or Pepper Grass. Pkt. 5c.; oz. 10c.; lb. 50c.

Broad Leaved. Pkt. 5c.; oz. 15c.; lb. 75c.

True Water Cress. Pkt. 10c.; oz. 30c.; lb. $3.00.

CHOICE CUCUMBER SEED

Growers of Large Quantities of Cucumbers Should Write to us for Special Prices.

One ounce for Fifty Hills. Two Pounds for an Acre.

Slug Shot is Death to the Bugs.

Toledo Market Evergreen White Spine.

Country Gentleman Sweet Corn.
Nichols’ Medium Green Cucumber. This new Cucumber is worthy of the first place among pickle sorts, second to none as a slicer, and very good for early forcing purposes; in color dark green; flesh crisp and tender; productive, medium in size, always straight and smooth; a real handsome, good variety. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 50c.

Long Green Improved. Long, crisp, and a popular and reliable variety for pickling and slicing for table; good for general crop. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 50c.

Extra Green Profile Pickling. One of the best for pickling; dark green, very productive and of uniform small size; very few seeds. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 50c.

Boston or Jersey Pickling. A favorite eastern sort of fine quality, medium length; reliable variety for pickling and slicing. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 50c.

**DANDELION**

Improved Large-Leaved. A very early and healthy spring salad. Sow early in the spring in drills eighteen inches apart and thin out to six inches in the drills. Pkt. 10c.; oz. 25c.; ½ lb. $1.25; lb. $4.00.

**EGG PLANT**

One ounce will produce about one thousand plants. CULTURE—Sow early in the hotbed. When plants are three or four inches high, transplant two feet apart in rich, warm, dry soil. Cultivate same as Cabbage.

**New York Improved Large Purple Egg Plant.** The best variety in cultivation; conforms grown. Bears an abundance of large, purple, round, dark green, very productive. Fruit very large, oval, deep purple; dense, white and tender. Pkt. 10c.; ½ oz. 25c.; oz. 50c.; ¼ lb. $1.00.

**ENDIVE**

For an early crop sow in April. For general crop sow in June or July; cover lightly. When up, thin out to eight inches apart. When the leaves are six or eight inches long, transplant to one-half inch in thickness; remove rinds; put into dishes with a layer of salt between the leaves, beginning with the layer of salt at the bottom of dish. Let stand three or four hours, then wash each slice dry with a cloth; fry in a batter of eggs and flour; season to taste and you have an excellent dish.

**NEW YORK IMPROVED LAGER PURPLE EGG PLANT.** The best variety in cultivation; conforms grown. Bears an abundance of large, purple, round, dark green, very productive. Fruit very large, oval, deep purple; dense, white and tender. Pkt. 10c.; ½ oz. 25c.; oz. 50c.; ¼ lb. $1.00.

**EGG PLANT** Ready May 1st. New York Improved. By mail, doz. 25c.; 100, $1.00. By express, 100, 75c.; 1,000 $5.00.

**GARLIC**

Garlic is the most pungent in taste and has the strongest odor of all the onion family. It is esteemed for flavoring soups, stews, sauces, etc.

CULTURE—Prepare ground and cultivate same as Onions.

**BORECOLE**

See Flower Seed Department of this Catalogue.

**KALE, OR BORECOLE**

CULTURE—Now from the middle of April to the beginning of May in prepared beds; transplant in June and treat in the same manner as for Cabbage. Of all the Cabbage tribe this is the most tender and delicate and would be much more extensiveness grown than it is if its excellent qualities were generally known. The varieties are extremely hardy and are best when touched by frost.

**Curled Tall Green Scotch.** Hardy; best after frost. Pkt. 5c.; oz. 10c.; ¼ oz. 20c.

**German Dwarf Green Curled.** Very fine; light green. Pkt. 5c.; oz. 10c.; ¼ oz. 25c.

**German Dwarf Brown Curled.** Very hardy. Pkt. 5c.; oz. 10c.; ¼ oz. 25c.
KOHRLABI

ABOVE-THE-GROUND OR TURNIP-ROOTED CABBAGE.

**CULTURE.**—When young and tender they are fine for table use; when matured they will keep well, and are excellent for winter feeding to stock. For early use sow in hotbeds; transplant and cultivate like early cabbage. For winter use sow the middle of June or first of July, in rows ten inches apart. One ounce of seed for 1,500 plants.

**Early White Vienna.** Flesh white and tender; excellent forcing variety. Pkt. 5c.; oz. 25c.; 4 oz. 60c.

**Early Purple Vienna.** An excellent sort, later than the White. Pkt. 5c.; oz. 20c.; 4 oz. 60c.

LEEK

One ounce will produce 1,000 plants.

**CULTURE.**—Sow early in spring, in drills six inches apart and one inch deep. Thin out to one inch. When about seven inches high, transplant them in rows twelve inches apart, and as deep as possible, but do not cover the young center leaves. Water thoroughly, if dry when planted out. Draw earth up to them as they grow. Early in July cut them off close to the ground, and store in a cool cellar before winter weather.

**Large Improved London Flag.** An old standard. Broad leaves of strong and vigorous growth; hardy. Pkt. 5c.; oz. 10c.; 4 oz. 30c.

**Large Musseleburgh, or Scotch Champion.** Of enormous size. Leaves broad and tall, spread like a fan; hardy, and of excellent quality. We highly recommend this. Pkt. 5c.; oz. 15c.; 4 oz. 45c.

LETTUCE

One ounce of seed for 2,500 plants.

Lettuce, the most used of all salads, is of very easy culture; every gardener and garden spot should have a plentiful supply. With but little trouble and proper selection of varieties, it can be had the whole year round, while no other salad is so appetizing or more wholesome. The different varieties find ready sale every month in the year.

**CULTURE.**—To have fine Lettuce in early spring, sow in seed-bed from commencement to middle of autumn. Protect the plants by a cold frame or with litter, as they stand on the ground. Early in the spring transplant them into rich ground. Or in early spring sow in hotbeds and transplant. For a later supply sow in drills from time to time, during spring and summer; when up a few inches thin out, leaving plants at proper distances; this is better than transplanting late in the season.

**Grand Rapids Forcing.** Being often disappointed in getting the genuine stock of this grand Lettuce, we have for several seasons been growing this seed here at home, and we recommend the same as pure and reliable. There is nothing superior, if it has any equal, for growing under glass; it will grow more weight in the same space, is not liable to rot, and will keep longer without wilting than any other variety; is of fine appearance, crisp and tender. It is also valuable for outdoor growing. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

**Philips' Early White Cabbage or Butter Salad.** This is our leading standard sort; heads large, solid, close and well formed, very tender, crisp and of excellent flavor, and always free from bitterness. Desirable for forcing and for outdoor use. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

**Iceberg.** For several seasons we offered this beautiful Lettuce to our customers, and all, so far as heard from, are highly pleased, and regard it worthy of general culture. The leaves are of a bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which curving strongly into the center acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. The quality is simply perfect. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

**New Silver Ball.** This lettuce produces a beautiful, very firm, solid and compact, with handsomely curled leaves. The head is of an attractive silver white color, very rich, buttery, and of most delicious flavor. Early, and stands a long while before running to seed. An excellent variety, both for early spring and summer use. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

**Early Hanson.** Improved hard-heading stock. Forming fine, large, solid heads, which are fine both for color and tender. They frequently attain two to three pounds each. We regard this as a very valuable variety. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Tennis Ball. (White Seeded.) A favorite forcing variety, forming a hard head. Can be planted quite closely under glass. Largeely used in hotbeds and greenhouses; very hardy. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Denver Market. This novelty in Lettuce forms beautiful large, solid heads, of a delicate light green color. The leaves are blistered like a Savoy Cabbage, most attractive in appearance. It is very tender, of excellent flavor, grows quickly; is good to grow early in the open ground and is slow to bolt. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Big Boston. This variety is identical in color, shape and general appearance with the famous Boston Market Lettu- ce, but is double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A desirable variety either for forcing in cold frames or open ground planting. The "Big Bos- ton" is sure to be wanted by market gardeners and truckers, because it always produces large, solid, salable heads, and will command itself to amateurs because it heads up well at all seasons of the year, and is of crisp, tender quality. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.
Pink Butter Cabbage. The heads of this variety are much larger than those of the Green variety, and are more succulent. It is very valuable for forcing, as the heads will remain fresh for a long time. Pkt. 5c.; oz. 10c.; lb. $1.00.

Musk Cabbage. This variety is highly esteemed for forcing, as the heads are very large and succulent. Pkt. 5c.; oz. 10c.; lb. $1.00.

Early White-Seeded Curled Simpson. This variety does not head, but forms a compact, close mass of leaves; for forcing and early outdoor sowing. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

All the Year Round. Good for spring or fall planting. Bears the heat of midsummer well; also valuable for forcing. One of the best for market. Pkt. 5c.; oz. 15c.; ½ lb. 40c.; lb. $1.25.

Mixed Lettuce. Twelve to 15 sorts—early and late. Pkt. 5c.; oz. 15c.; ½ lb. 40c.; lb. $1.25.

COS LETTUCE.

These are of distinct growth and esteemed for their fresh crispness and mild flavor during the summer and in warm climates. When the plants do not “head” naturally during very dry weather, the tips of the leaves may be gathered together and loosely tied, which will Blanch the interior.

Eclipse or “Express.” This is the most dwarf and earliest of all. The plants grow stiffer, erect, only six to seven inches in height and are “all-head,” even when grown without tying. The outer leaves are dark green, quite broad, and distinctly rounded at the top; they are incurved and closely folded. The interior leaves are almost pure white, very crisp and mild in flavor, even in hot weather. Pkt. 5c.; oz. 15c.; 4 oz. 50c.; lb. $1.75.

Paris White Cos. This variety grows to very large size, producing long, pointed, compact bunches. Pkt. 5c.; oz. 15c.; 4 oz. 40c.; lb. $1.25.

Lettuce Plants. By mail, 50c. per 100. By express, 100, 50c.; 1,000, $3.00.

OUR LETTUCE AND MELON SEED ARE CONTRACT GROWN A YEAR IN ADVANCE OF SALES, FROM THE MOST RELIABLEGrowERS IN THIS COUNTRY, AND OUR CUSTOMERS CAN BE ASSURED OF THE BEST SEED MONEY WILL BUY.
Extra Early Hackensack. (Green flesh.) This valuable variety is ready for market fully ten days ahead of the well-known Hackensack, which it much resembles in shape and quality. The melons are of good size, weighing from 5 to 10 pounds each; excellent for market and private garden. Pkt. 5¢; oz. 10¢; 4 oz. 30¢; lb. $1.00.

Extra Early Citron Nutmeg. (Green flesh.) The first in the market, the largest of the very early. A decided acquisition among the Cantaloupes. Ten days earlier than any other, fair size and of fine flavor. A variety which for its early maturity will be found profitable by all market gardeners; also in the private garden till others come into condition. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

New Extra Early Hackensack.

Paul Rose. (Salmon flesh.) This new Melon is a cross between Osage and Netted Gem, combining the sweetness of the former and the netting of the latter. It is a salmon fleshed, small sized Melon and surpasses all others as a shiper and long keeper. It has thick flesh and small seed cavity, and is bound to rank first as a market gardeners' favorite. Do not fail to buy some seed and give it a trial. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Netted Beauty Musk Melon. (Green flesh.) This new variety of recent introduction has met with large sale. Its great earliness, distinct, handsome appearance and productiveness have made it a favorite with all who gave it a trial. The whole crop averaged the past two seasons ten melons to a vine on good ground. Pkt. 5c.; oz. 10c.; 5 lb. 30c.; lb. $1.00.

Improved Yellow Cantaloupe. (Yellow flesh.) Very fine. Pkt. 5c.; oz. 10c.; 4 oz. 30c.; lb. $1.00.

Emerald Gem. (Salmon flesh.) Medium size, nearly round, flesh a delicate light salmon color, very thick, fine grained and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted; very early and one of the best for home use. Pkt. 5c.; oz. 10c.; 5 lb. 30c.; lb. $1.25.

Toledo Early Market. (Green flesh.) This fine Melon has been in our market for many years, cultivated and sold by our market gardeners of long experience, especially successful as Melon growers, in which no little skill is required, as market men well know. The seed was successfully controlled by a few gardeners, for the reason that they could market them two weeks earlier than others and at higher prices. They have sold this Melon as high as $3.00 per dozen to our markets and commission houses. It is a type of the famous Chicago Market Musk Melon, equal to it in quality, which we hold to be of the very sweetest, and much larger and very productive. It is decidely ribbed, extra well netted, with very thick green flesh. We managed to purchase some of the true seed of this grand Melon and offer it at a moderate price. As our supply is not large, we advise our friends to favor us with their orders at as early a date as possible. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. $1.25.

Montreal Market. (Green flesh.) Excellent variety of the largest size. We have had them weighing twenty pounds. In shape almost round, flattened at both ends, deeply ribbed, skin green and netted, flesh green. Pkt. 5c.; oz. 10c.; 5 lb. 25c.; lb. $1.25.

Tiptop. Smooth skin. Flesh yellow and very sweet. An excellent shipper and a top Melon in every way. Pkt. 5c.; oz. 10c.; 5 lb. 25c.; lb. $1.25.

Baltimore Nueteg Cantaloupe, or Acme. A Melon of high repute in Philadelphia and Baltimore. Is showy, pointed at both ends, strongly netted, green fleshed, fine flavored, productive and a good shipper. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 75c.

Miller's Cream. (Salmon flesh.) Ranks high as a market Melon, either for home or shipping. The flesh is of a rich salmon color, very sweet and melting, and so thin that the Melon is almost solid, the seed cavity being remarkably small. A strong grower and very productive, and covers the ground with beautiful solid fruit. This Melon is undoubtedly one of the best flavored and most profitable for market or private garden. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 75c.

The Princess. (Salmon flesh.) Nearly round in shape, with heavy netted dark green skin, flesh of a rich salmon color, and thicker than in any other Melon, very sweet and luscious in flavor, ripens early and grows to good size. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. $1.25.

Netted Gem. (Green flesh.) Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. $1.25.

Osage. (Salmon flesh.) Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. $1.25.

Musk Melon Seed in Mixed Lots of 5 pounds, 10 cents per pound less.
WATER MELON

THE BEST FRUIT THAT GROWS.

One ounce will plant about 50 hills, and 4 pounds will plant an acre.

CULTURE.—Treat the same as Musk Melon, except that they should be planted eight or ten feet apart, according to variety.

Kolb Gem. Extra Northern grown. Large, bright red flesh, of fine quality and a good shipper. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Peerless Improved. Of medium size, thin rind, light mottled green, flesh bright scarlet, solid to center, crisp, melting and sweet as honey. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Improved Ice Cream. (White Seed.) Rind light green, flesh scarlet, solid and delicious, enormously productive, of unexcelled quality. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Phoney. Extra early market. The first to ripen, and of fine quality, red flesh. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50 cents.

Black Spanish. Large, roundish, nearly black, dark red flesh, early. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Cuban Queen. Selected. This magnificent and distinct Melon is certainly one of the largest and finest varieties ever introduced. Try it. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

The Boss. The most delicious. A new, handsome, early, oblong variety, of nearly the same thickness throughout, skin very dark, flesh deep scarlet, sugary, melting, and of excellent flavor. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Improved Mountain Sweet. Oblong, dark green, rind thin, flesh red, solid, sweet. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Improved Long Dixie. Selected. A new Water Melon of excellent merits and recommended as the best shipping Melon grown, being larger, earlier and more productive than the Kolb Gem, which has hereetofore been considered the best Melon for shipping. It is of very fine appearance, a darker green than the Kolb, more beautifully striped. Longer and extremely hardy; its eating quality is unexcelled. We have the genuine stock. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Hungarian Honey. A perfect globe-shaped Melon of medium dark green color, sweet as Honey. A first-class market garden Melon; very early; flesh brilliant red. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Sweet Heart. Has no equal as a shipping Melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled, very light green, rind thin, but firm; flesh bright red, firm, solid, but very tender, melting and sweet. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 50c.

Kleckley Sweets. (White Seeds.) A large, oblong Melon, very sweet and sugary; dark green skin, very thin rind, flesh bright scarlet with broad, solid heart. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Halbert Honey. (White Seeded.) A quick growing, oblong, dark green skinned Melon, resembling the Kleckley Sweets. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Ponhook Early. New, of late introduction; an extra early sort of large size, averaging in weight 55 pounds; excellent quality. Do not fail to try some. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Blue Gem. Iceberg or Harris. The Melons are uniformly large, of thick oval shape; skin mottled green and white; seeds black; rind very strong and therefore makes an excellent shipping Melon. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Preserving Citron. (Red Seed.) Used in making sweetmeats and preserves; flesh solid, white. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Black Diamond. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Long Light Icing. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Lots of five pounds and upwards, 10 cents per pound less.

MUSHROOMS

PURE CULTURE MUSHROOM SPAWN. SOMETHING ENTIRELY NEW.

This Spawn is made from Virgin Spawn which is produced by scientific methods directly from carefully selected Mushrooms.

CULTURE.—Mushrooms can be grown in any dark room or cellar where the temperature can be kept at 58 or 68 degrees. From some old pasture procure good rich soil and store it away. To every bushel of this soil add 3 handfuls of fresh horse manure. Of this well mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed 12 or 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 52 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days, then cover the bed with two inches of fresh loam, which moisten well with hot water, and over this put four or five inches of hay or straw and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The beds will continue bearing from 20 to 30 days. After the first crop is gathered, spread over the bed an inch of fresh soil moistened with warm water and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One brick of spawn is sufficient for a bed 2 by 4 feet. Single brick by mail postpaid, 40c. By express (charges not paid): 10 bricks $2.00; 50 bricks $8.00; 100 bricks $15.00.

MUSTARD

Black or Brown. Pkt. 5c.; lb. 20c.

White, best for culinary purposes. Pkt. 5c.; lb. 30c.
CULTURE—Select rich soil and plant when ground becomes warm. The pods used to thicken soup, being gathered when young.

Dwarf Profile. Of dwarf habit and an abundant bearer, with long slender green pods; the best sort in use. Pkt. 5c.; oz. 10c.; 1 lb. 25c.

OKRA OR GUMBO

OUR PEDIGREE DOUBLE TESTED ONION SEED

The crop of Onion Seed a short one this last season, therefore prices still high.

Write for special prices on 25 lbs. or over, naming the varieties you want. We offer special inducements to those who use a Seed Drill Cultivator, with seed enough to sow an acre. We are also headquarters for Onion Sets, and will sell you first-class sets at the very lowest prices.

Good Onion Seed Is of the Utmost Importance. Fully realizing this, we have for some years made a specialty of Onion Seed, and have all our crops raised under special contract, subject to careful supervision. Our Onion Seed all grown from choice selected bulbs, are critically examined before being set out for seed. In quality it is far superior to much that is put upon the market, often grown by persons too inexperienced or too careless to select fine, well-shaped bulbs. In vitality it is very strong, being carefully tested. The very rapid increase in our Onion Seed trade, particularly among market gardeners, many of whom order one hundred and more pounds, is the very best evidence that our Onion Seed is unsurpassed in quality.

CULTURE—One ounce to 100 feet of drill, four to five pounds to the acre. The Onion thrives in a rather deep, rich, loamy soil, and unlike most vegetables, succeeds well when cultivated on the same ground for successive years. As early in the Spring as the ground is in working order commence operations by leveling the ground with a rake, and treating it finely; sow thinly in drills about a quarter of an inch deep and a foot apart, cover with fine soil, press down with the back of a spade or light roller. If grown to make large Onions, thin plants gradually, so that they stand two or three inches apart. Keep the ground free from weeds by frequently hoeing, taking care not to stir the ground too deeply.

You can grow full-sized Onions the first year from our Black Seed; for this purpose four or five pounds of seed per acre are required. To raise small sets, forty to fifty pounds of seeds are required per acre, and for this purpose the best varieties are the Yellow Danvers, Yellow Strasburg, Early Red and White Silverskin.

Large Red Wethersfield. The most profitable Red Onion for the market gardener, as it is the heaviest yielder, 600 to 800 bushels having been frequently harvested upon a single acre from seed sown in the Spring. It grows to good size, single Onions often weighing from one to two pounds apiece. In short, it is the best Red main crop Onion for everybody. Our strain is unsurpassed, the seed we offer having been saved from the largest onions of perfect shape and deepest color. Pkt. 5c.; oz. 15c.; ¼ lb. 60c.; lb. $2.00.

Mammoth Silver King Onion.

Mammoth Silver King Onion. This mammoth variety is one of the largest in cultivation, averaging from 15 to 22 inches in circumference and often weighing 2½ to 4 pounds each. It matures early and is of uniformly large size and fine shape, being flattened, but thick. The skin is of a beautiful silver-white, flesh snowy-white and tender, of a mild, sweet flavor. We know of no variety of this vegetable that has attracted so much attention as this. Its large size and handsome appearance, as well as mild flavor, recommend it for exhibition at fairs, for the fancy market and as the home table. Pkt. 6c.; oz. 25c.; ¼ lb. 60c.; lb. $2.00.

Extra Early Red. Smaller than Red Wethersfield, and about ten days earlier in color, beautiful deep red. Give it a trial. Pkt. 5c.; oz. 25c.; ¼ oz. 50c.; lb. $2.00.

Southport Early Red Globe. Grown by us from selected bulbs. This is a very handsome variety, and is deserving of general cultivation. It matures early, grows to a medium size, skin dark red, flesh fine grained, mild and tender. Pkt. 6c.; oz. 25c.; ¼ oz. 50c.; lb. $2.00.

Early Flat Yellow Danvers. Different from the Globe strain only in shape, being more flat. A splendid Onion for the market or home use; sells readily in the market. Very productive. Pkt. 5c.; oz. 15c.; ¼ oz. 50c.; lb. $1.50.

Yellow Dutch or Strasburg. One of the oldest varieties, a good keeper, and largely for growing sets as well as for market. Pkt. 5c.; oz. 15c.; ¼ oz. 50c.; lb. $1.50.

Yellow Globe Danvers. Extra selected. Extensively grown as a main crop, true globe-shaped variety, beautiful golden color, very productive, a first-rate set and shipper, the best and most profitable market sort. Our seed cannot fail to please. Pkt. 5c.; oz. 25c.; ¼ oz. 50c.; lb. $2.00.
The Prize Taker. Genuine American grown. The handsomest, largest Yellow Globe Onion. A new variety introduced a few years ago, which has proved to be an excellent keeper, of fine flavor, handsome shape and enormous size, many single Onions having been raised to weigh five pounds and over from seed the first year. It is of the same as those immense sized onions which can be sold in fruit stores and always command a very high price. The Prize Taker grows always to a perfect globe shape, with a bright straw-colored skin; the necks are very small, and the Onions always ripen up hard. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.50.

Our Northern Ohio Yellow Globe Onion. Fancy Lake County selected stock. Generally admitted by Onion growers everywhere to be the most desirable strain and perfect type of globe-shaped Onion in existence. We name it Northern Ohio Globe to distinguish it from the many strains of Globe Danvers now offered. It represents the product of years of careful selection and cultivation, this, the finest strain of that popular type of the Yellow Globe Danvers Onion, which intelligent, painstaking care can produce. It is immeasurably superior to the average seed offered, not only in shape and color, but in productiveness. Its main points of excellence are: Distinct and attractive shape, handsome, bright, even color, it ripens early and all at once. The necks are very small and cure almost down to nothing. The firm solid bulbs are excellent winter keepers and all that can be desired in size and quality; enormous yielders, 500 bushels (standard weight) per acre are frequently grown on rich onion land. This is a superb onion for all classes of soil (when well enriched) and especially good for marsh lands, on account of its quick maturing qualities. Try this big money-maker. Pkt. 5c.; oz. 20c.; ½ lb. 70c.; lb. $2.50.

Southport Large White Globe. Large strain of globular shape, white skin, a good keeper, commands the highest market price. Pkt. 5c.; oz. 20c.; ½ lb. 70c.; lb. $2.50.

White Portugal or Silver Skin. Very desirable for family use, a good keeper, flavor mild and pleasant, skin silvery white, of handsome appearance, highly esteemed for pickling when young, also for market in early winter. This is the variety of which White Onion Sets are grown. Pkt. 5c.; oz. 20c.; ½ lb. 70c.; lb. $2.50.

Crystal White Wax. Seed imported by us direct from Tenerife, which is said to produce the finest White Onions on the market. Pkt. 10c.; oz. 25c.; ½ lb. $1.00; lb. $3.00.

When in want of any Field or Grass Seeds write to us for our Field Seed Price List, mailed free.
Southport Large Yellow Globe. Beautiful in size, shape and color; maturing a few days later than the Red Wethersfield. This Onion is a great seller throughout the States, and Onion growers make no mistake in planting large quantities of the seed we offer, which is first-class in every respect. Is a splendid keeper and in quality is superior to most other varieties. Pkt. 5c.; oz. 20c.; ¼ lb. 50c.; lb. $2.25.

Early Paris Silver White. One of the earliest varieties; small, white and beautiful; valuable for an early bunch Onion, also much used as a pickling variety; popular with the Paris market men. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $2.50.

Adriatic Barletta. A very early, small, pure white variety, having a very delicate silver skin, flesh firm and mild in flavor. Its great merit is its extreme earliness. For pickling purposes it is unexcelled. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $3.75.

White Queen. Remarkable for its extreme earliness and very mild flavor; it is small and white skinned, much liked for pickling. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $4.75.

NORTHERN OHIO AND PENNSYLVANIA GROWN WHITE AND YELLOW ONION SETS

CULTURE.—They should be planted out as early in spring as the ground is dry enough to work. Bottom sets are produced by sowing the seed as early as the ground can be worked in spring, very thickly in beds or drills, at the rate of 50 lbs. per acre. One quart of Sets to 30 feet in drills; 6 to 12 bushels, depending on size, to set an acre in drills. Express or freight charges to be paid by the purchaser. On account of the early publication of this Catalogue we cannot guarantee prices given, but to avoid unnecessary delay in writing, we will fill orders sent, and will give as many as the money sent will pay for. Prices may be lower or higher.

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Yellow Onion Seed or Bottom Sets. White Onion Seeds or Bottom Sets. Shallots or Yellow Multipliers. White Multipliers. Egyptian or Perennial Tree Onion Sets.

Winter, or Egyptian Tree. When once set out they grow for years without any protection or care, except in keeping down the weeds. They start so early in the spring that they are ready for use a long time before any other Onions can be had. Are mild flavored, sweet and tender. They form no large bulbs, but divide and grow as many as 15 or 20 small Onions in one bunch. Desirable for family use and very early and profitable for market gardeners.

White Multipliers. Are of a pure silvery white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted, of excellent quality and size for bunching green, or can be ripened for use as pickling Onions. Their keeping qualities are remarkable, but their most important quality is their extreme earliness, being ready for market from three to four weeks ahead of other Onion sets.

We are headquarters for Onion Sets and will sell cheap by the peck, bushel or barrel. We will quote special prices on large lots.

We can sell our Farmer and Gardener friends just as good Seed as any Seedsman has to offer. Please remember we are Growers and Importers. Send us your order and get Seeds true to name.
PARSLEY

CULTURE.—Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. For winter use protect in a frame or light cellar, or a few plants may be placed in pots or boxes and kept in the house for convenient use during the winter.

Extra Double Curled. A curled variety for garnishing. Pkt. 5c.; oz. 10c.; ½ lb. 15c.; lb. 50c.

Champion Moss Curled. Leaves crimped and curled like a bed of moss, giving a most beautiful decorative appearance. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 60c.

Plain or Single. Dark green with plain leaves; very hardy. Pkt. 5c.; oz. 10c.; ¼ lb. 15c.; lb. 50c.

Hamburg, or Turnip-Rooted. A very popular variety in Europe. Fine, Rody vegetable roots which are used in soups, etc. Pkt. 5c.; oz. 10c.; ½ lb. 15c.; lb. 50c.

PARSNIPS

CULTURE.—Sow as early as spring as weather will admit. Cultivate similar to carrots.

Long Smooth White. No side roots; tender and excellently flavored. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 40c.

Large Improved Sugar or Hollow Crown. The best variety in cultivation; roots long, white, smooth, tender, sugary; excellent flavor. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 40c.

PEPPERS

CULTURE.—Sow each kind in drills on a warm border, late in spring or commencement of summer, and thin to stand sixteen or eighteen inches apart—or they may be sown early in the season in a hotbed or flower-pots and transplanted.

Mammoth Ruby King. A very mild flavored variety which grows to a large size, often 5 or 6 inches long and 2 or 4 inches thick, of a bright ruby red color when ripe—fine for Mangoes. Plants are stocky and very prolific. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.

Golden Bell or Golden Dawn. Similar to Sweet Spanish, except in color, which is golden. Very early, mild flavor. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.

Red Cherry. Ornamental pickles, very small, very hot. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.

Large Bell or Bull Nose. Earlier than other large size Peppers, thick meated, very mild flavor, excellent for stuffed pickles or Mangoes. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 60c.

Sweet Mountain or Mammoth. Similar to the Bull Nose, but larger and milder in flavor. For stuffed pickles, "Mangoes," 6 to 7 inches. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 60c.

Long Red Cayenne. Fruit long, slim and bright red color. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.

Very Small Cayenne. Bright red color, very hot. Pkt. 5c.; ½ oz. 15c.; oz. 25c.; 4 oz. 75c.

Chinese Giant—Double the Size of Ruby King—This is the largest and finest mild red pepper. Truckers planting for market will find "Chinese Giant" the most profitable variety they ever handled. Not only is it early in ripening and immensely productive for so large a pepper, but its enormous size will cause it to sell most readily. The plants are vigorous in growth but of stocky habit, seldom more than two feet in height. They are well branched and thickly set with enormous fruits, which appear to hang in clusters—so many being set on the comparatively small plants. Frequently half a dozen fruits will touch each other, as if in a single bunch; the strong growth of the plants and abundant foliage enable them to mature the large number of fruits nearly as early as the popular Ruby King. The monstrous fruits are of thick blocky form and of most brilliant glossy scarlet. They grow four to five inches broad at the top and are of equal length, divided into four or more large ridges; when ripe they are indented at the blossom end. The first fruits set in a cluster of three to five at the base of the plant, and are generally longer than those setting later on the upper branches, although the latter fruits are equally as broad. All are uniformly of most enormous size. The flesh is extremely mild—as sweet as an apple—and unusually thick; it makes an excellent salad sliced and served like tomatoes. Pkt. 10c.; ½ oz. 25c.; oz. 40c.; 4 oz. $1.50.

Pepper Plants. Ready May 1st. Chinese Giant, by mail, $1.25 per 100; by express, $1.25; 1,000 $6.00. Other varieties, by mail, 75c. per 100; by express, $1.00, 1,000 $4.00.
PEAS

GARDEN, FIELD AND EDIBLE PODDED

PHILIPS' NORTHERN GROWN GARDEN PEAS.

The Pea Crop, a short one this year as the continual rains during the growing season and at harvest time greatly damaged the crop, especially all wrinkled and dwarf varieties.

CULTURE. The Pea comes earliest to maturity in light, rich soil. For general crops a deep loam or a soil strongly inclined to clay is the best, for early crops, mild manure, such as leaf mould, should be employed. Plant as early as the weather will permit, in well-prepared soil, and cover about two or three inches deep. Give these feet apart for early kinds and four feet for late. For a continuous supply, sow from early in April until the last of June; then discontinue until the middle of August, when an early sort will sometimes produce a good crop.

Philips' Extra Early Summit Pen. The earliest, finest flavored, the hardest pea, and most productive, also most profitable Pea for Market Gardeners to grow. This Pea is a careful selection of our own and will be found Entirely Distinct and Superior to any other. In the neck-and-neck race for the production of first-class Peas (each seedman naturally endeavoring to have the earliest), we claim that The Summit we introduced, and for us specially grown, is the Earliest, Best and Most Productive white round pea grown. None as Early, maturing all the pods in about forty-five days; height about two feet, and ninety-five per cent, of the gathering in one picking. Also for a late fall crop it is unsurpassed, growing with great rapidity. The very best for market garden use, and we confidently recommend it in every garden for the Earliest Crop. Pkt. 5c.; pint 15c.; quart 25c.; peck 1.25; bushel 5.00.

Rural New Yorker. This well-known standard variety of extra early Pea is still the favorite of many for market and private garden. Seed white, slightly dentated, of vigorous habit. Pods of fine shape, contain from six to nine peas of fine quality—profuse, extra early, uniform in growth and ripening—height 24 inches. Pkt. 5c.; pint 15c.; quart 25c.; peck 1.25; bushel 4.50.

Hott's Excelsior. Extra early. A cross between American Wonder and Advance, grows one foot high, very hardy and vigorous; can be planted with perfect safety in early spring with any smooth varieties, and will mature almost as soon, while the quality is far superior; pods very large and well filled with tender and fine flavored peas. Early, hardy, productive, extra fine; ready for table in forty-five days. Earlier by several days than Little Gem—a fine bearer—earliest wrinkled pea. Pkt. 5c.; pint 15c.; quart 25c.; peck 1.75; bushel 6.50.

Bills' American Wonder. The earliest of the wrinkled peas, and best for family use. Very dwarf, nine inches high, and remarkably productive, well filled pods, flavor unsurpassed. We heartily recommend this valuable Pea. Pkt. 5c.; pint 15c.; quart 25c.; peck 1.75; bushel 6.50.

McLean's Little Gem. Seed green, wrinkled. Height 15 inches. Second early, very prolific and excellent flavor. Especially recommended for family garden. Pkt. 5c.; pint 15c.; quart 25c.; peck 1.75; bushel 6.50.


Gradus. The most attractive novelty of recent years—large, handsome pods resembling telephone in size and shape, well filled with large peas, ripening with the earliest, is certain to be eagerly sought. Ripening very quickly, the pods must be picked as soon as fit for the table. Habit vigorous, very quick to germinate and push to maturity—foliage large, pale green in color—pods long, straight, slightly rounded at point, seed large, wrinkled, cream color, height 2 feet. Pkt. 5c.; pint 15c.; quart 25c.; peck 2.50; bushel 8.50.

Champion of England. A variety possessing merit of high order, wrinkled and very sugary—requires sticking. Ripens for table in seventy days from germination. Pkt. 5c.; ½ pint 15c.; pint 15c.; quart 25c.; peck 1.10; bushel 4.00.
Pride of the Market.

Horsford's Market Garden.—A first-class wrinkled pea; second early. Height, 21 inches; no sticks. It is a profitable sort for market gardeners, as a single plant has been known to produce more than 150 pods. It is equally good for the home table. The medium-sized pods are borne in pairs, and are easily and quickly picked. This variety is said to have yielded more shelled peas to the acre than any other American sort. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.50; bushel $5.00.

Thos. Laxton.—The only rival to the famous Gradus—as a long-podded extreme-early wrinkled pea—and in some respects even better. The growth is identical with that of Gradus, but the pods are deeper, richer green, square at the end instead of having a long sloping point. In the judgment of experts who have grown the two side by side, the Thos. Laxton is even sweeter and finer in flavor than the Gradus, while as the larger peas are a deeper green they present a more attractive appearance on the table. The crop ripens only three to four days after Gradus. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.25.

Bliss' Ever Bearing. The great value of this variety is found in its long-continued bearing. Pods three to four inches long, well filled. Peas very large, half an inch and over in diameter. Unsurpassed in sweetness and flavor. Two feet high. Try it. ½ pint 10c.; pint 15c.; quart 25c.; peck $1.25; bushel $4.50.

Stratagem. (Wrinkled.) One of the finest second early Peas grown. The strong, sturdy vine is literally covered with immense pods. Many of the pods measure nearly 3½ inches in length, and contain as high as ten large, fine flavored wrinkled peas of excellent flavor, very sweet. Two feet high. Pkt. 5c.; pt. 15c.; qt. 25c.; peck $1.75; bu. $8.00.

The Wrinkled Peas should be sown thicker than the Round Peas and not until ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas.

The Heroine. This is one of the mammoth-podded, English-bred varieties, of elegant habit of growth, luxuriant foliage, pods remarkably handsome, slightly curved, well filled with large, luscious peas of fine flavor, a gem of the first water. It is similar to Pride of the Market, but far superior to that variety in habit, as it is remarkably true and fixed in its habits of growth. This is one of the grandest Peas on the entire list, is now offered at a price that places it within the reach of all. It should be in every garden. Height two feet, seed green and very much wrinkled. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.50; bushel $5.00.

Carter's Telephone. Season midway between First in Market and Marrowfat. Green, wrinkled, height 3½ feet—enormously productive—pods unusually large, elegant shape and well filled with peas of large size and good quality. Average 18 pods to the stalk. Pkt. 5c.; ½ pint 15c.; quart 25c.; peck $1.50; bushel $6.00.

Dwarf White Marrowfat. A sturdy variety, produces and of good quality—vines 30 inches high, foliage strong and dark, maturing about 70 days after germination. Pkt. 5c.; pint 10c.; quart 15c.; peck 75c.; bushel $3.00.

Black-Eyed Marrowfat. This is extensively grown as a garden and field Pea—very productive—height about 3½ feet with large and well filled pods—a popular market variety. Pkt. 5c.; pint 10c.; quart 15c.; peck 75c.; bushel $3.00.

White Marrowfat. Tall. A favorite variety for market, canning and field cultivation—very large, broad pods, well filled, height four feet. Pkt. 5c.; pint 10c.; quart 15c.; peck 75c.; bushel $2.00.

EDIBLE PODDED OR MELTING SUGAR SORTS.

Tall and Dwarf Sugar. Edible pods. About two feet in height, very sweet and tender. Only to be eaten with pods. Pkt. 5c.; ½ pt. 10c.; pt. 15c.; quart 25c.; peck $1.75.

Dwarf Grey Sugar. Edible pods. Grows about two feet high and is remarkable for its earliness as well as its character. The seeds are large, shriveled and of dark brown color. The pods are broad, flat and crooked, and contain five or six peas. Pkt. 5c.; ½ pint 10c.; pint 15c.; quart 25c.; peck $1.75.

FIELD PEAS.

See Field Seed Department of this Catalogue.
PRICE-LIST OF CHOICE NORTHERN-GROWN SEED POTATOES

CHANGE YOUR SEED.

Growing Potatoes for Seed Has Been a Specialty with Us for Years.

In drills three feet apart, ten to twelve bushels to the acre. One peck will plant about 125 hills.

The Potato, like all robust growing vegetables, can be grown with varying success in soils of all kinds, and in all conditions of fertility, but the soil best suited to it is a sandy loam. In all heavy soils it is more subject to disease, and the flavor also is much inferior. In breaking up good pasture land the digging seed answers sufficiently well for the first year in lieu of manure. Manure is applied either in rows or hills, or broadcast over the hills and plowed in—the latter in most cases being preferable. If the soil is good but little manure is required. In highly enriched soil the plants are more liable to disease than when grown in soil that is naturally good. The best fertilizers are those of a dry and absorbent nature, as plaster, lime, superphosphate of lime and bone dust. For wet soils these are particularly beneficial, as they not only promote growth, but prevent disease. Plant as early in spring as the ground can be had in fair working order, in hills or edges three feet apart, covering in light, warm soils about four inches deep, but in cold, wet situations two and one-half or three inches will be sufficient.

By using our Northern-grown Seed you are assured of early maturity, increased yield and vigorous growth. Our stock has been grown from selected seed and expressly for seed purposes. We book orders at any time, and fill them in rotation just as soon, in our judgment, as the weather will permit. However, we cannot become responsible for changes in the weather by which they may become damaged en route. We will ship at any time when requested to do so, regardless of the weather, but customers must take the risk. Prices subject to variations of the market.

Special Prices given on most kinds for large quantities, on application. When customers request it we will pack a barrel with two or three kinds without extra charge.

Our Potatoes are all specially raised for seed purposes, and are "Northern-grown" by us and for us in Michigan and around Toledo. We deliver all Potatoes into the hands of our customers, excepting to transportation companies.

The prices quoted are the lowest we have been able to obtain. The prices are subject to variations of the market.

Toledo Early Market.

packed; after that our responsibility ceases. Purchasers must take all risks from freezing or heating. In comparing our prices on Potatoes, remember we make no charges for barrels or cartage, but deliver F. O. B. Toledo at prices quoted. Our barrels contain 185 lbs. net.

PRICES GIVEN ARE SUBJECT TO VARIATIONS WITHOUT NOTICE.

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<td>Early Ohio (the market gardeners' favorite)</td>
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<td>Seneca Beauty (medium late)</td>
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<td>Rural New Yorker, No. 2 (a very heavy cropper)</td>
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Single pound 18c.; by half 20c.; or 4 pounds by mail 60c., of any of the above varieties, excepting Noroton Beauty.

These prices are binding only so long as our stock of any variety remains unsold. Potatoes grown in our section and Northern Michigan are far better for planting in the Middle, Southern and even Eastern States than the Western grown, in earliness, yield and quality, and should be preferred by all who grow for market or private garden.

Toledo Early Market.

Especially recommended for early marketing. Market Gardeners should try this Potato because it is extra early and of a fine quality, cooking well as soon as it attains marketable size. Tubers similar to Early Rose, large, light, pink or flesh color. An immense yielder, flesh very white; cooks dry and mealy. Good keeper, being excellent till planting time. (See price list.)

Thorburn's "Noroton Beauty." One of the earliest Potatoes grown. Tubers white, slightly rusted, and splashed more or less with pink and with pinkish eyes. About the size of the Early Ohio, but perfectly round. A great yielder, and should be tried by all our customers. (See price list.)

Early Rose. Every cultivator of the Potato, both far and near, is familiar with the Early Rose. It was the pioneer of all the improved varieties. Its highly extolled character has not depreciated. (See price list.)

Empire State. A main crop of excellent variety, wonderfully productive, does well on almost any soil. The skin is white and smooth, flesh pure white, of fine flavor. (See price list.)

Seneca Beauty. This is the best medium late Potato now on the market. The tubers are large and smooth with very few eyes close to the surface and of a beautiful pink color; uniform in size and shape. Is a big yielder, good cooker, ready seller. (See price list.)

Carman No. 3. This splendid Potato is without exception the greatest yielder ever introduced. It may be fairly claimed that it does not yield any small tubers at all. It bears its tubers very close to the plant, a single turn of the fork turning out every potato. It is of the largest size and of the shape least found almost similar to Carman No. 1. It is a perfect keeper, that is, it will not sprout up to planting time, unless kept in a warm place. Both skin and flesh of extreme whiteness. Eyes few and shallow. (See price list.)
Early Ohio.

Whiton's White Mammoth. A Seedling of the Peachblow. Try it. A larger yielder than the Carman. Buy it. Three years ago we purchased the entire crop of this great New Potato of Mr. Whiton, and now offer original stock direct from our growers at the extremely low price as named on page 27.

This potato was grown from seed taken out of a ball grown on a Peachblow vine.

This potato has improved each year from seed, and we can refer to many leading agriculturists who have tried it and pronounce it a grand Potato in every way.

Solid built white tubers very thickly netted, a quick, strong grower, and keeps free from blight and bugs.

Cooks dry and has a fine flavor. Is an immense yielder, grows compact in hill, which makes harvesting easy. We recommend every one of our customers to try this Potato, and know they will be pleased with it. Can be grown on any soil. (See price list.)

Rural New Yorker No. 2. A splendid intermediate and main crop Potato, originated on the experiment grounds of the Rural New Yorker. It is most distinct in appearance and could readily be distinguished among a hundred other varieties. Very large and unusually smooth, with few and shallow eyes, in form oblong, inclined to round, flesh white and of superior quality. The vines are very strong, and yield handsome tubers of great uniformity; wonderful cropper. (See price list.)

Sir Walter Raleigh. Introduced by Mr. Carman. Resembles Rural New Yorker No. 2, of which it is a seedling, and is one of the best Potatoes now offered. (See price list.)

**SEED SWEET POTATOES**

Grown especially for Seed purposes in this State and New Jersey, of the following varieties: Yellow Nansemond, Yellow Jersey. Per lb. 10c.; bushel $2.00; barrel $4.00. Write for special prices for large quantities.

**Sweet Potato Plants.** Ready May 1st. We make a specialty of supplying first-class Sweet Potato Plants, and we take great pains to send out only such as are strong, vigorous, well rooted and hardy. Write if you want a large lot, as prices may be lower. Price, by mail, 100, 45c.; by express, per 100, 30c.; 1,000 $2.50.

**PUMPKIN FOR TABLE AND FIELD**

CULTURE.—May be planted after first of May, among the Indian Corn, or in the field or garden, in hills of eight or ten feet apart each way, four seeds in a hill.

**Japanese Pie.** Crooked necked, very productive, ripens early, of medium size. Excellent for pies. Pkt. 5c.; oz. 10c.; ½ lb. 30c.; lb. 50c.

**Large Sweet Cheese.** Excellent for cooking purposes, orange colored, flesh yellow and sweet, very productive, and excellent for pies, also stock. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 50c.

**Large Water or Mammoth.** Grows to an immense size, often weighing over 200 pounds; very productive; for cattle and table; flesh bright yellow. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 50c.

**Cushaw.** Resembling the White Crookneck-Squash, flesh salmon yellow. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 70c.

**Connecticut Field.** The common large yellow field Pumpkin, good for stock. Pint 15c.; quart 25c.; bushel $1.00.

**Sugar.** This great pie Pumpkin is used exclusively in making the celebrated Yankee Pumpkin pies, of fine sugary flavor, fine grained. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 60c.
RADISH

AMERICAN AND FRENCH GROWN RADISHES FOR ALL THE YEAR ROUND.

One ounce will sow 100 feet of drills; 8 to 10 pounds for an acre.

CULTURE.—All the varieties thrive best in light, sandy loam. For early use sow in hoeth, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September for a succession. They must grow rapidly to be crisp and tender.

All Seeds Saved from Selected and Transplanted Roots.

Special prices for those buying in larger lots. Five pounds of any variety at 10c. less per pound.

EXTRA EARLY AND FORCING VARIETIES.

Extra Early Scarlet Prussian or Vick’s Globe. Eighteen days to maturity. A small-leaved variety, well adapted for forcing under glass, root round and carmine colored, early, very attractive and desirable, fine for forcing. A new color and very choice. Every gardener should have it. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Early Scarlet Forcing Turnip. Quickest in maturity of any of the Red Turnip Radishes, crisp root and small top, an excellent forcing variety, as well as in private gardens. Don’t fail to try it. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 55c.

Extra Early Scarlet Turnip, White Tipped. A fancy French variety, scarlet bulb with white bottom. Very showy and delicate. Choice variety for forcing and open ground. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Earliest White Turnip. A remarkable early variety used for forcing, very few and small leaves, crisp and delicate bulbs (new). Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 60c.

Olive-Shape Scarlet White-Tipped French Breakfast Radish. A variety of quick growth. Very mild and tender, one of the best for forcing, oval form, scarlet, tipped with white. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Half Long Deep Scarlet. Matures in 24 days, is red, and grows from three to four inches. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Wood’s Early Frame. Shorter and thicker than the Long Scarlet Short Top. Best long radish for forcing, also good for outdoor crop, either spring or fall, mild, brittle, of fine flavor. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Early White Giant Stuttgart Summer. (Round.) A large grower, top-shaped and long keeper; all white, smooth, brittle, never pithy, second early. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Lincoln’s Pearl Forcing. A cross between Wood’s Early Frame and White Strasburg, making the best half long White Radish for Market Gardeners. Try it. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

White Lady Finger. Twenty-four days to maturity; quick growing, long, slim, white, a great favorite, the only good long early white radish, very crisp and nutty. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Golden Yellow Summer. Expressly grown for us. The best Summer Radish. Shape globular, color amber, flavor mild, keeping long in eating condition; withstands heat well. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Long White Vienna. Beautiful in shape; skin and flesh pure snow white, crisp and of rapid growth. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 75c.

Early Golden Yellow Oval. A comparatively new sort, very popular in the New York market. The roots are oval, very smooth and handsome, bright, light yellow color, and of fine quality. It matures very quickly and has a small top and neck. Our stock is grown from selected roots and is very fine. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 75c.

White Strasburg. It is of a tapering shape, skin and flesh both white. It is an excellent summer variety, being tender, crisp and of fine flavor, and a quick grower. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 60c.

Improved Chartier. (Scarlet, white tip.) A distinct, exceedingly handsome and attractive sort. Color of the top is scarlet rose, shading into pure waxy white at the tip. Attains a very large size before it becomes unfit for the table. Undoubtedly the best All Seasons Radish for the open ground. Ready for use or market nearly as early as Long Scarlet Short Top, and keeps crisp and tender for two months. Planted late it makes a good winter keeper. Pkt. 5c.; oz. 10c.; $1 lb. 20c.; lb. 50c.

THE CHARTIER, WHITE STRASBURG AND HALF LONG DEEP SCARLET.
Celestial. A comparatively new variety, which is popular wherever known. The root is long, cylindrical, with beautiful white skin and flesh, so white as to attract attention even when among the other white varieties. The flesh is tender and of good quality. Pkt. 5c.; oz. 10c.; ½ lb. 25c.; lb. 70c.

Long White Spanish. Fall or winter. A long winter sort, very solid and crisp; long keeping. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 60c.

Long Black Spanish. Winter. Grows six to eight inches long and about one and one-half inches through the top; skin black, flesh white and of firm texture. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 50c.

Round Black Spanish. Winter. Like the above, except in shape. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 50c.

Russian or California Mammoth White. Grown extensively by Chinese in California; 8 to 10 inches long, 2 to 3 inches in diameter, white, solid, good flavor. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 60c.

Rose or Scarlet China Winter. A fine winter sort. root a half long stump of from three to four inches, scarlet and pink in color, tipped with white. Quite salable in market during fall and winter. Keeps perfectly. Paper 5c.; oz. 10c.; ½ lb. 20c.; lb. 60c.

23° Radishes are one of the most important vegetable crops for market gardeners and private garden. It depends a good deal upon the Seeds and soil and how to grow them. As to the first part, we positively assure our friends that the Seed we offer is grown for us by the largest and the most reliable and best growers in France and this country, and we know and guarantee that our Seed is equal to any offered by any first-class, reliable seedsmen.

HORSERADISH SETS

CULTURE.—Plant at any time during spring, in rows about two feet apart and about eighteen inches apart in the rows. By mail, per doz., 25c.; by express, per 100, 75c.; per 1,000, $1.00.

RHUBARB (PIE-PLANT)

One ounce will produce about 1,000 plants.

CULTURE.—Sow in April in drills one inch deep and one foot apart. When the plants are three or four inches high thin out to ten inches apart, and cultivate well during the season. In fall or following spring transplant into hills about three feet apart each way. The soil must be very deep and heavily manured. Give a top dressing of manure every fall.

Mammoth Victoria. An excellent cooking variety. Pkt. 5c.; oz. 15c.; ½ lb. 1.25.

Rhubarb Roots. Each, 10c.; doz. 75c.; 100, $1.50. By mail, postpaid, 20c. each or $2.00 per dozen. Special prices on sizes, quality and quantities on application.

SALSIFY (VEGETABLE OYSTERS)

When properly cooked it is a good substitute for Oysters in taste and flavor, and is very nutritious.

Sandwich Island Mammoth Salsify.

CULTURE.—Sow early in spring in drills fifteen inches apart and one to two inches deep; thin to six inches apart. Soil should be deep and very mellow, in order that the long root may grow straight down. Store same as Carrots for winter use, or they can be left in the ground until spring. One ounce of seed will sow fifty feet of drill.

Mammoth Sandwich Island. This variety is of enormous size, twice the size of the ordinary French, pure white, very tender and delicious. Invaluable for the market gardener and private garden. Pkt. 5c.; oz. 10c.; 4 oz. 35c.; lb. 1.25.

SORREL

This is cultivated for its leaves, which possess a very fine flavor when boiled and served like Spinach. Also makes delicious soups.

Broad Leaved. The best for general use. Pkt. 5c.; oz. 15c.; ½ lb. 40c.; lb. 1.25.
SPINACH

Ten to twelve pounds are required for an acre.

Special Price in 5 and 10-pound Lots.

CULTURE.—For spring use sow early in drills one foot apart, or broadcast as preferred, and every two weeks for succession. As it grows thin out for use, keeping it clear of weeds. For fall use sow in August, for winter use in September, in well manured ground. Muddle with straw on the approach of severe cold weather.

Extra Large Thick Round-Leaved. The market gardeners’ favorite for spring or fall sowing. Very hardy and large crop. Pkt. 5c.; 2 oz. 10c.; 4 oz. 15c.; lb. 25c.

New Long-Standing. Will stand an unusually long time before running to seed—in other respects it resembles the round-leaved closely. Pkt. 5c.; 2 oz. 10c.; 4 oz. 15c.; lb. 25c.

Bloomdale Savoy-Leaved. In 5 and 10-lb. sacks only, 25c. per lb.

Purkely Winter. For fall sowing. Pkt. 5c.; 2 oz. 10c.; 4 oz. 15c.; lb. 25c.

**SQUASH—SELECTED SEED**

Special Price to Large Buyers.

CULTURE.—Plant after all danger from frost is past, and get in the winter kinds as soon as possible. In order that they may mature, Plant in hills five feet apart for the bush varieties, and six or eight feet for the蔓mheap varieties, putting six or eight seeds in the hill, finally leaving but three. One ounce of bush varieties for forty hills, or of large seeded running kinds, fifteen hills; three or four pounds for an acre.

True Hubbard. Generally considered the leading squash for fall and winter use—good in any climate, hard skinned, splendid keeper, flesh dark yellow, fine grained, very dry and rich; very prolific. We offer a very carefully grown stock. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; lb. 65c.

Toledo Warted Hubbard Squash. For years it has been our aim to get an improved strain of Hubbard Squash. We finally succeeded, and now offer to our friends the Toledo Warted Squash (similar to the so-called Chicago), which we claim is the best strain in the market. A Hubbard Squash, large, blackish green, hard as wood, with warty knolls all over it, satisfies even the inexperienced observer that it is the best of its class. Rich in quality, a keeper and thick fleshed—such as will sell at sight. Our strain of the above will produce mainly the type shown in the accompanying cut, which we consider the ideal Hubbard for home or market. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 75c.

Manoom White Bush Scallop. An excellent large strain, earlier than the common stock, creamy white and average double in size; prolific bearer; a splendid variety for market, and the best of all for southern shipers. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 75c.

Extra Large Golden Custard Bush Scallop. Decidedly the best strain. It has been selected and grown for years until it has doubled in size, and at the same time lost none of its other qualities, such as earliness, quality and productiveness. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 75c.

Marblehead. An excellent Winter Squash. Good keeper, dry and sweet. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 60c.

Boston Marrow. Extensively grown and most profitable for winter use and canning. Flesh orange, fine grained, splendid for pies and as a winter keeper. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 75c.

Mammoth Chili. True stock ("Jumbo"). The "big" exhibition Squash, largest of all, often weighing over 200 lbs. There is a record of one Squash having been grown that weighed 292 lbs. It is very thick and a rich yellow color, skin smooth and bright orange color. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 80c.

Golden Hubbard. Pkt. 5c.; oz. 10c.; ½ lb. 20c.; lb. 75c.

FOR BUGS AND FLIES USE

SLUG SHOT.
CULTURE—For early use sow in February, in boxes or pots, and place near a window or in a hotbed. When about two inches high pick them out singly in small pots and nurse carefully in frames; when danger of frost is past, plant out in sheltered situation, where they may have full influence of the sun. To hasten maturity of the first fruit which sets, pinch off extremities of blossoms.

**Sparks' Earlana.** The earliest smooth, bright red Tomato of good size and flavor that can be had. It is the early Tomatoes that our market gardeners bring to the city that make the most money, oftentimes selling from $2.50 to $3.00 per box or bunch. We consider this the greatest flavoured and most popular of all. The plants are quite hardy, the fruit deep scarlet in color, smooth and solid and free from rip or cracks. The flesh is deep red, with solid center and small seed cells. Give it a trial. Pkt. 5c.; oz. 25c.; ½ lb. 75c.; lb. $2.75.

**Pink Tomato.** A new money maker for early ripening. This Tomato is as early as the Sparks' Earlana, but the fruit is pink instead of red in color, and about two weeks ahead of Chalk's Early Jewel. Pkt. 10c.; oz. 50c.; ½ lb. $1.50; lb. $5.00.

**Perfection.** It is one of the earliest, ripening evenly, a good keeper, color blood red, almost round in shape, perfectly smooth and solid, having few seeds; very productive, good shipper. Pkt. 5c.; oz. 20c.; ¼ lb. 60c.; lb. $1.75.

**Dwarf Aristocrat.** An early dwarf Tomato; medium size, bright red fruit. Pkt. 5c.; oz. 25c.; ½ lb. 75c.; lb. $2.75.

**New Dwarf Champion.** In form and color the fruit closely resembles the Acme; it is always smooth, symmetrical and attractive in appearance, the skin is tough and the flesh solid, ripens well close round to the stem, and is not so much subject to crack as some other sorts. Pkt. 5c.; oz. 15c.; oz. 20c.; ½ lb. 75c.; lb. $2.50.

**Selected Early Acme.** Ripens evenly, of medium, uniform size, round, very solid and of a pinkish purplish color, very productive, bearing until killed by frost. Pkt. 5c.; oz. 20c.; ½ lb. 50c.; lb. $2.25.

**Favorite.** A large, smooth, perfectly shaped Tomato, dark red color; does not set or crack, ripens early, very prolific, good flavor, flesh solid, has few seeds, very early, good shipper. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.50.

**New Beauty.** Well named. Fruit large and showy, color deep red, with a slight tone of purple; growing in clusters. Solid, meaty, smooth, and free from rot or green core; a good sort for shipping on account of its solidity and toughness of skin. Certain to give satisfaction. Keeps well. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.25.

New Peach. The most distinct Tomato ever introduced, the fruit resembles the Peach in shape and color—which is deep rose and amber; the flavor is remarkably fruity and delicious. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.75.

**Golden Queen.** Specially recommended for canning, for eating raw, or slicing as a table fruit; somewhat resembles the Trophy in appearance. It will please you. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.25.

**Royal Red.** Royal Red is a first-class main crop variety for the shipper, market and private gardener; of special value to the canner and catsup maker. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.00.

**New Buckeye State Tomato.** A fine, new, extra large sort, nearly one-half larger than the Beauty; deep color, heavy and of splendid quality. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.50.

**Paragon.** One of the old varieties, medium in ripening, large size, color deep red. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.00.

**Atlantic Prize.** Early, smooth, bright red and solid. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.00.

**Ponderosa.** In growing we have found it of immense size, solid, few seedless, of good sub-acid flavor. The single fruits were large, but somewhat scattered on the vine, and did not yield near so much as the Beauty and other varieties. Pkt. 5c.; oz. 30c.; ½ lb. 80c.; lb. $3.00.

**Mansfield Extra Early Tomato.** This variety has been originated by careful selection and special methods until it has attained the height of ten feet for the tree, and a weight for a single Tomato of 30 ounces, and six inches in diameter, with textimontals of over 50 pounds of ripe fruit to a single tree, of a quality that surpasses all others. Fruit ripens from July 1st until frost; they are sold all the way through as a hard-balled egg, and but few seeds in a Tomato. Pkt. 10c.; oz. 15c.; oz. 25c.; ½ lb. 50c.; lb. $3.00.

**Livingston's Dwarf Stone Tomato.** In habit of vine it resembles Dwarf Champion, but is of stronger growth and more erect. The fruit resembles Livingston's Stone in color, shape, and what is more remarkable, for an erect sort, it is about the same size. Specimens weighing one pound each are quite common. The New Dwarf Stone is fully double the size of Dwarf Champion, and yet equally as the beauty, and as solid as pink. It is fully as prolific, and consequently vastly more productive. In small gardens the plants may be set 18 inches apart each way, and yet produce a abundant crop. The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens very evenly, and is of most excellent quality. Pkt. 5c.; oz. 15c.; oz. 25c.; ½ lb. 75c.; lb. $2.75.

**Early Michigan.** A general crop Tomato; fruit large size; deep, rich color. Pkt. 5c.; oz. 20c.; ½ lb. 60c.; lb. $2.25.

**Enormous.** A general crop Tomato; fruit large size, smooth, bright red. Pkt. 5c.; oz. 25c.; ½ lb. 50c.; lb. $2.50.

**The New Stone Tomato.** This new Tomato has already been generally adopted by canners and market gardeners everywhere. Its superior qualities as above mentioned, and the perfection of its size and fruit, as also the uniformity of its growth and flavor make it most desirable, especially to the shipper. Pkt. 5c.; oz. 20c.; ½ lb. 50c.; lb. $2.00

**Tomato Plants.** Ready May 1st. Strong transplanted plants. By mail, dozen, 25c.; 100c. $1.00. By express, per 100, 75c. 1,000, $4.00.
LIST OF SELECTED TURNIPS AND RUTABAGAS

CULTURE:—For early Turnips sow as soon as ground opens in spring, but the other kinds for winter use may be sown from middle of July to end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of Rutabaga) by cultivating in drills 18 inches apart, and thinnine to six inches in the drill. The Early White Egg is the Market Gardeners' Turnip.

**Extra Early Milan.** A new early white variety, with purple top and strap-shaped leaves. Mild and sweet, remains in good condition for a long time. Choice variety, and as such we recommend it. (Short crop.) Pkt. 5c.; oz. 10c.; 4 oz. 20c.; 1 lb. 75c.

**Early Flat Red or Purple-Top.** (Strap-leaved.) The standard for this country. Superior for early or late planting. Round, flat, good sized, small top, with but few leaves, flesh very fine grained, flavor good. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 40c.

**Amber Globe.** This we recommend highly, and is almost indispensable in every rural household for its table use or stock. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**Large Early Purple-Top Globe.** Similar to above shape. This is the largest yeldier of any turnip on the market, and very desirable for table or stock. Pkt. 5c.; oz. 15c.; lb. 10c.

**Amber Globe.**

**Extra Early White Egg.** Very early and particularly desirable for the table, flesh firm and fine grained, sweet and sugary, and of snowy whiteness, egg-shaped. For spring or fall sowing. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; 1 lb. 75c.

**Extra Early Dutch.** Rather flat, good white early sort. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**Early Snowball.** Extra early. This is a small white globe, very quick, the earliest in maturity of form and character. We highly recommend it for table purposes. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; 1 lb. 75c.

**Long Cowhorn.** Carrot-shaped, short, of delicate flavor for table. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 10c.

**Pomeronian White Globe.** (Strap-leaved.) This is a free-growing, rough-leaved sort, useful for both table and stock, and may be recommended for both purposes. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; 1 lb. 50c.

**Golden Ball.** A small yellow turnip of second size, early and a good keeper, very good for market and table. Pkt. 5c.; oz. 10c.; 4 oz. 20c.; 1 lb. 50c.

**Sweet German.** This variety partakes largely of the nature of the Rutabaga, and should be sown a month earlier than the flat Turnips. The flesh is white, hard, firm and sweet, good for winter and spring use. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**White Sweet and White Russian.** Similar to the Sweet German. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**Yellow Aberdeen or Scotch Yellow.** This is highly approved as a market and cattle Turnip, attaining a large size. It is solid, nutritious, a good Keeper, and is in every respect splendid for table use. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**The Monarch Swede.** This new and distinct form of Rutabagas we believe by far the best of all. The bulbs are of tankard shape, with a very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and best quality. For earliness, quality and weight, it is superior to any variety in cultivation, producing from two to seven tons per acre more than any other Swede, while the large percentage mecalainie matter contained in the root makes it very palatable and nutritious in stock fed on it. Monarch Swede is of handsome shape and distinct appearance. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**Improved American Purple-Top Rutabaga.** The leading variety and largely grown for stock as well as family use. Hardy, productive, solid, sweet. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**Champion Swede or Yellow Rutabaga.** (Imported.) A superior English grown Rutabaga, the best to be had abroad. Pkt. 5c.; oz. 10c.; 4 oz. 15c.; lb. 50c.

**Tobacco Seed**

Sow the seed in frames the latter part of March, or in open ground when the soil has become settled and warm. Keep well watered; and when the plants are two inches high they may be transplanted in rows three feet apart each way. Tobacco requires a very rich, light mellow soil.

**Connecticut Seed Leaf.** Best adapted to the climate of the Middle and Northern States, as it is more Hardy and endures the cold better than the tender varieties. Pkt. 10c.; ounce 50c.

**Ohio Seed Leaf.** Pkt. 10c.; ounce 50c.

**Imported Havana.** Pure Cuban grown seed, and when grown in this country commands a high price for cigar stock. Pkt. 10c.; ounce 75c.

**White Burley.** Improved, the Western favorite. Pkt. 15c.; ounce 75c.

**Zimmer's Spanish.** Pkt. 10c.; ounce 75c.
SEEDS OF SWEET, POT AND MEDICINAL HERBS

Aromatic herbs are those which possess medicinal as well as culinary properties, and should be found in every garden. They impart a pleasant, spicy odor, and are quite savory to the taste. To secure the herbs for use cut them on a sunny day, and spread thinly in the shade to dry.

Those marked with an asterisk (*) are perennial.

Anise (Pimpinella anisum). Used for cordial, garnishing and flavoring; the seeds have an agreeable, aromatic taste. Pkt. 5c.; oz. 10c.; ½ lb. 30c.

Balm (Melissa officinalis). The leaves have a fragrant odor, and are used for making a pleasant beverage known as balm wine; also for balm tea, for use in fevers. Per pkt. 5c.; oz. 25c.

Basil, Sweet (Ocimum basilicum). The leaves are used for flavoring soups, stews, and highly seasoned dishes. Per pkt. 5c.; oz. 15c.

Bene (Sesamum orientale). Too tender for the North, but much used in the South. The seeds furnish an oil used for softening and whitening the skin. The leaves immersed in water make a drink very beneficial for diarrhea.

Pkt. 5c.; oz. 15c.

Borage (Borago officinalis). The leaves are used for flavoring, and the flowers furnish bee pasture. Per pkt. 5c.; oz. 15c.; ½ lb. 49c.; lb. $1.25.

Catnip (Nepeta cataria). Grown for the seeds, which are used extensively for the flavoring of bread, pastry, etc. Per pkt. 5c.; oz. 10c.; ½ lb. 25c.

Celeriac. Used for soups and flavoring. Pkt. 5c.; oz. 15c.

Chervil. (Coriandrum sativum). The seeds are used in the manufacture of liquors and confectionery. Per pkt. 5c.; oz. 10c.; ½ lb. 25c.; per lb. 75c.

Dill (Anethum graveolens). The seeds have an aromatic odor and warm, pungent taste. They are used as a condiment, and also for pickling with Cucumbers. Per pkt. 5c.; oz. 10c.; ½ lb. 25c.; per lb. 60c.

Fennel, Sweet (Anethum foeniculum). The leaves boiled are used in sauces. Pkt. 5c.; oz. 10c.

Horsemint (Marrubium vulgare). The leaves are used for seasoning and also in the manufacture of the popular cough remedy. Per pkt. 5c.; oz. 25c.

Lavender (Lavandula spica). The variety generally sold. Per pkt. 5c.; oz. 15c.; per lb. $1.25.

Marjoram, Sweet (Origanum marjorana). The leaves and the ends of the shoots are esteemed for seasoning in summer, and also dried for winter use. Per pkt. 5c.; oz. 15c.; ½ lb. 10c.; per lb. $1.25.

Rosemary (Rosmarinus officinalis). The aromatic leaves are used for seasoning. Pkt. 5c.; oz. 25c.

Rue (Ruta graveolens). For medicinal purposes; good for fowls, for the roop. Pkt. 5c.; oz. 15c.

Saffron. Used in medicine and dyeing. Pkt. 5c.; oz. 15c.

Sage (Salvia officinalis). The most extensively used of all herbs for seasoning and dressing; indispensable. Per pkt. 5c.; oz. 15c.; ½ lb. 40c.; per lb. $1.10c.

Summer Savory (Satureia hortensis). The leaves and flowers are used extensively for flavoring, particularly in soups and dressings. Per pkt. 5c.; oz. 10c.; ½ lb. 25c.; per lb. $1.00, postpaid.

Winter Savory (Saturelia montana). The leaves and young shoots are used for flavoring. Per pkt. 5c.; oz. 20c.; ½ lb. 60c.; per lb. $2.00, postpaid.

Tansy (Tanacetum vulgare). Pkt. 5c.; oz. 20c.

Tarragon. Has aromatic leaves that are used in seasoning or salads; also for flavoring vinegar. Pkt. 25c.

Thyme (Thymus vulgaris). The leaves and young shoots are used for seasoning; a tea is also made for nervous headaches. Per pkt. 5c.; oz. 20c.

Wormwood (Artemisia absinthium). Used medicinally, and is beneficial for poultry; should be planted in poultry yards. Per pkt. 5c.; oz. 20c.

VEGETABLE PLANTS AND ROOTS

We take all possible pains to have the Vegetable Plants and Roots here offered true to name and to arrive in good order, but can give no warranty, expressed or implied, as to quality, productiveness, etc., and will not in any way be responsible for the crop. Each order will be executed on these conditions only and must be accepted by our customer at time of purchase.

ASPARAGUS ROOTS.

By purchasing Good Strong Roots one or two years' time is saved.

COLUMBIAN MAMMOTH WHITE. By mail, postpaid, 50 roots, $1.00; 100 roots, $1.50. By express, not prepaid, 100 roots, 75c.; 500 roots, $2.50; 1,000 roots, $5.00.

Convoy's Colonial. By mail, postpaid, 50 roots, 50c.; 100 roots, 90c. By express, not prepaid, 100 roots, 60c.; 500 roots, $2.50; 1,000 roots, $4.50.

Palmetto. By mail, postpaid, 50 roots, 75c.; 100 roots, $1.25. By express, not prepaid, 100 roots, 60c.; 500 roots, $2.50; 1,000 roots, $4.50.

Barr's Mammouth. By mail, postpaid, 50 roots, 70c.; 100 roots, $1.25. By express, not prepaid, 100 roots, 60c.; 500 roots, $2.50; 1,000 roots, $4.50.

BEETS.

By mail, 75c. per 100. By express, 100, 60c.; 1,000, $2.00.

Chinese Giant. By mail, $1.50 per 100. By express, 100, 50c.; 1,000, $5.00.

OTHER VARIETIES. By mail, 75c. per 100. By express, 100, 60c.; 1,000, $5.00.

POTATO.

By mail, 45c. per 100. By express, 50c. 1,000, $4.00.

Lettuce.

By mail, 60c. per 100. By express, 100, 50c.; 1,000, $3.00.

Pepper.

Chinese Giant. By mail, $1.50 per 100. By express, 100, 60c.; 1,000, $5.00.

SWEDISH POTATO.

By mail, 45c. per 100. By express, 50c.; 1,000, $2.50.

By mail, $1.00 per 100. By express, 100, 50c.; 1,000, $4.00.

CAULIFLOWER.

Snowball. By mail, doz. 25c.; 100, $1.25. By express, 100, 75c.; 1,000, $6.00.

CELERY.

By mail, 75c. per 100. By express, 100, 60c.; 1,000, $2.00.

Chinese Giant. By mail, $1.50 per 100. By express, 100, 50c.; 1,000, $5.00.

EGG PLANT.

By mail, 60c. per 100. By express, 100, 50c.; 1,000, $3.00.
FIELD SEED DEPARTMENT

We are realtors of all kinds of field seeds, having power cleaners operated by electric motor, and can give you as even grades of field seeds as can be bought anywhere. Send your order to us when you want the very best seed. (Cotton bags 25 cents.)

CHOICE SPRING SEED BARLEY.

(48 lbs. to bushel.)

Quantity of seed sown per acre is about 1 1/2 to 2 bushels.

NOTE.—This crop is receiving more attention in some sections of the country than formerly, and is now considered more remunerative than the wheat crop. It is a winter crop and producing good feed. The best soil for barley is a light, friable loam, but it does well on most any clay lands that receive good cultivation and are properly drained.

Ohio Heardless barley. This heardless barley is of recent introduction, and we know will please our friends. Like other grain, large yields cannot be had each year, but on an average it produces yields reported to be 50 bushels and more to the acre. It is the only barley fit to feed to stock. Every farmer should try it. It can be sown early; frost will not hurt it; weighs twice what oats does per bushel, so worth more to the farmer as a crop to try it. Price, peck 40c.; bushel $1.50. In lots of 10 bushels and over, special price.

Mausnry barley is one of the very best six-rowed barleys grown; for malting it is the foremost known variety, while the UDC is always a good one; six-rowed has a strong upright stalk that makes it easy to harvest; yields from 50 to 80 bushels per acre. Heads of this barley are very long and contain 75 to 100 heavy kernels of grain. Peck 40c.; bushel $1.25. Special price for 10 bushels and more.

Scotch Golden Grain Barley. Exceedingly handsome, two-rowed, of very high quality; for malting it is the best known variety; it is the strongest, and the UDC always a good one; six-rowed has a strong upright stalk that makes it easy to harvest; yields from 50 to 80 bushels per acre. Heads of this barley are very long and contain 75 to 100 heavy kernels of grain. Price, peck 40c.; bushel $1.25. In lots of 10 bushels and over, special price.

Barley for Hens. Price per bushel, $1.00.

SEED BUCKWHEAT.

(50 lbs. to bushel.)

Sow from three pecks to a bushel to the acre.

NOTE.—Buckwheat thrives on comparatively poor land; can be planted so late as to provide an edible seed crop to follow early grasses, peas, potatoes, etc. Good to plow under for green manure.

Early Japanese. Sown at the same time with Silver Hull, is about two weeks earlier. The plants are twice the size of any other barley, Barley, a rich, dark brown color, and manufactures a superior flour. Peck 40c.; bushel $1.25.

European Silver Buckwheat. Yields more and produces more flour than the early Japanese. Is longer more in Sweet corn than very thin, grain is rounder, of a beautiful light gray color. Peck 40c.; bushel $1.25.

Common Gray. The old, well-known sort. Peck 25c.; bushel $1.00. For large lots special prices on application.

IMPROVED BROOM CORN.

45 lbs. to bushel. Sow from 10 to 12 quarts per acre.

Improved Evergreen. The Improved Evergreen Broomcorn grows about seven to nine feet high, stands up well, and is free from crooked brush. It's greatest value to growers is the fact that it will not red in the field before it is cut, but is a green variety of brush, and will always contain highest yield. Lb. 10c.; 1/2 peck 25c.; peck 60c.; bushel $2.00. (By mail, postage extra 5c. per lb.)

Early Dwarf or Mohawk. Grow to five feet high and produces short, fine brush, suitable for fences and brush. Lb. 10c.; 1/2 peck 30c.; peck 60c.; bushel $2.00. (By mail, postage extra 5c. per lb.)

PODDER AND ENSILAGE CORN.

Good fodder and plenty of it, supplemented by a generous grain ration, is as essential as good cows in profitable dairy- ing, and when well grown and properly cured is far better than thousands of bushels. To secure the full nutritive value of Corn Fodder, it should be planted in drills three feet apart, and at the rate of 12 to 15 quarts per acre.

The Celebrated Red Cob Ensilage. A southern type of large white corn with deep red cob; strong, leafy stalks and short joints. Adapted to all sections of the country, and a general favorite with thousands of dairy farmers we sell to every year. Price, shelled, peck 35c.; bushel $1.00; 100 bushels $25.00.

FAT CORN FOR PODDER.

There is nothing better for green food, or for curing for winter, than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of milk. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. Farmers in this section should raise more Sweet Corn as feed for young hogs, who get better results than feeding common field corn. Also excellent for sowing. Sow thickly in drills or broadcast, at the rate of two or three bushels per acre. Peck 75c.; bushel $2.50.

SUGAR CANE SEED.

Drill, 4 to 6 lbs. per acre; broadcast, 10 to 12 lbs.

Early Amber. This is a standard variety now being successfully grown even in the extreme northern latitudes. It may be planted as late as the 15th of June, and will be ripe enough to manufacture sugar the first of September. It is the earliest variety with which we are acquainted. The beautiful amber-colored syrup it produces is thought to be superior in flavor to any other, and, for sugar is unsurpassed.

Our stock is choice. Price, 10c. per lb.; 10 lbs. 65c.; 50 to 100 lbs. 5c. per lb.

Early Orange. Another favorite sort. Price, 10c. per lb.; 10 lbs. 65c.; 50 to 100 lbs. 5c. per lb.

SORGHUM FOR STOCK PODDER.

Sow different times up to July 15, at the rate of 20 lbs. per acre. Dairymen, and in fact every farmer, should grow it as a staple crop. It is a valuable and profitable crop to grow, and when grown in proper seed, the grain is as good as any other variety grown. There is no variety of Sorgum that will grow this sugar cane seed, as it gives them the best green fodder just in time when pasture is dried up, and will produce more and better milk than any other forage plant, even clover. Price, 5c. per lb.; 10 lbs. 45c.; 20 lbs. 85c.; 50 to 100 lbs. 25c. per lb.

The Jerusalem Corn. A new forage and grain plant introduced in this country a few years ago, and the United States experiment stations recommend it very highly. Pkt. 10c.; lb. 20c. postage paid. Per express or freight, 10 lbs. 60c.; 20 lbs. $1.00,

NON-SACCHARINE SORGHUMS.

5 to 6 pounds will plant an acre.

These varieties bear well weather well. They grow well in clay soils, and bear more corn will, even on land too poor for corn.

Kaffir Corn or Sorghum. Kaffir Corn is now successfully cultivated for both forage and grain in all sections of the United States. It is the best general purpose plant of all the varieties of Sorghum yet offered, unless it be the new Jerusalem Corn, and will make a fine crop of forage if cut in early bloom, and the shoots that then follow will make a good second crop to feed green or dry for winter. Per lb. 10c.; 10 lbs. 40c.; 20 lbs. 75c.; 50 to 100 lbs. 25c. per lb.

The Jerusalem Corn. A new forage and grain plant introduced in this country a few years ago, and the United States experiment stations recommend it very highly. Pkt. 10c.; lb. 20c. postage paid. Per express or freight, 10 lbs. 60c.; 20 lbs. $1.00.
CHOICE SELECTED NORTHERN GROWTH SEED CORN

The Seed we offer is Grown for this Purpose and Furnished Both in the Ear and Shelled.

We have for years made a careful study of the best varieties of Corn grown in the United States, and fully appreciating the great importance to the farmer of good field crops, and also as Seed Corn, we hold that Corn grown in our section of the United States, just at the edge of Michigan, is far preferable for planting in the Eastern, Middle and Southern States, to the Western-grown. Corn grown in our section will mature sooner and make far better yield than the Western-grown. Our Seed Corn will do better for you to plant. We have given particular attention to this department of our business, and have made Selection and Improvement of Farm Seeds a Specialty, exercising great care to secure the best varieties thoroughly tested, for the best possible quality. We make it an Invariable rule to test our Seeds carefully before sending out our orders, and our customers may depend upon getting Seed Corn that will grow perfectly under favorable circumstances. Sample ears will be sent by mail to any address at the cost of three cents to cover postage.

At prices given we charge 25 cents for Cotton Bags and the same for Bushel Crates, f.o.b. Toledo.

A bushel of Corn (either 56 lbs. shelled or 68 lbs. in the ear), will plant from seven to eight acres of land.

Ohio Early Gold Mine Corn. Is the best Yellow Corn that grows, also the easiest to husk and shuck. It is early, ripening only a few days after the Pride of the North; ears are of good size and symmetrical; color, a bright golden yellow, as handsome as a twenty-dollar gold coin just from the mint; grain is very deep, cob small, and therefore it dries out very quickly more as ripe. It makes sixty to sixty-two pounds of shelled corn, and in hauling to market weighs out about a half more than common varieties in the same size wagon. Price, peck 40c.; bushel $1.50.

Longfellow Flint. An eight-rowed Yellow Flint variety. Ears from 10 to 15 in. long (shape shown in illustration), 1½ to 1¾ inches in diameter, well filled out to extreme end of cob. Cob small, kernels large and broad. Ear 20c.; quart 25c.; peck 50c.; bushel $1.75.

Thoroughbred Rural Early Large White Flint Corn. This large early White Flint Corn was introduced for the first time by the "Rural New Yorker," and it has proved itself to be the largest early Flint Corn in cultivation; a wonderful yielder, from three to four ears of 12 to 15 inches on one stalk; strong grower even on light soil. Quart 25c.; peck 50c.; bushel $1.50.

Extra Early King Philip (Improved Flint). This excellent red or variegated Flint Corn is so well known that it needs no special description. Quart 25c.; peck 50c.; bushel $1.50.

Extra Early Huron Dent Corn. After a trial on a large scale, we have concluded that this is the earliest Dent Corn grown. Good size stalk and ear, small red cob, long, straight, and very rich ear, the very rich corn of the very early Dent Corn known. Ears wonderfully perfect, graceful even on both ends of cob; has quick, rank, strong growth, and is very productive. It heads the list of all extra early varieties. Our supply is grown from the original stock, strictly pure and carefully selected. Quart 25c.; peck 50c.; bushel $1.50.

Mauwine Valley Extra Early Gilhouse. A hybridized Yellow Dent and Flint Corn; a beautiful yellow, kernels two-thirds of an inch broad, eight-rowed, growth of medium height, enormous yielder, two to four good sized ears on stalk; the earliest of all the Corn, will make a crop, this can be planted as late as July 1st. The finest kind of weeds. 2d.—It will yield large crops on poor, thin soil. 3d.—The ears are large, handsome and well filled. 4th.—It is very productive in culture, 5th—It is by far the easiest and shucks easy. 5th.—It commands the highest market prices. Toledo will grow more buds than any other kind in the world. 8th—Stands the drought better than 60 other kinds grown in the same county. 9th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 10th.—It will out-yield the Leaming Corn. 11th.—It grows its fodder strong. 12th.—It grows its fodder strong. 13th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 14th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 15th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 16th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 17th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 18th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 19th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield. 20th.—It is a round Corn, and large number of ears on cob, makes a wonderful yield.

The following varieties we offer in the ear only, in Bushel Crates:

Hoone County Special. A highly bred, pure White Corn, with ears from 9 to 12 inches long and 7 to 8 inches in circumference. An all around good corn for all kinds of soils; particularly good for old fields. Price per bushel crate, $2.00.

Funk's Yellow Dent. This Corn is of light golden color; ears 9 to 12 inches long and 7 to 8 inches in circumference. Has an abundance of foliage and compares well with the Improved Leaming in this respect. Price per bushel crate, $2.00.
SEED OATS

Choice Selected Northern-Grown Seed, Thorously Reclaimed.

We are not great believers in fancy Oats at extravagant prices, but we do believe an occasional change of seed is a paying investment, and that new hybrids have been introduced of great value. The stock we offer was especially grown for us, and carefully reeled and sown, and we think not grown before. We believe Improved heavy oats, in preference to the light, mixed, chaffy kinds, that only yield a crop of inferior quality.

New White Superior Scotch Oats. In limited amounts only. The heaviest Oats ever introduced into this section! 25 pounds to the bushel. Statistically the finest at being grown, surpassing all other White Oats in heavy weight, thin hull shortness and plumpness of grain. Their strong straw adapts them to rich bottom ground where Common Oats will fall down and waste, and are also wonderfully prolific, as high as 125 bushels to the acre. We therefore recommend all progressive agriculturists to give them a trial and make Oats a paying crop.

Price, peck 25c.; bushel $1.00; 5 bushels and upward $0.90, per bushel.

Improved American Banner Oats. We offer you carefully grown Seed, raised entirely from selected stock. The result of this care in selection is shown in the crop, which is the finest ever grown, and averaging upwards of 80 bushels to the acre. So that the seed now offered as The Improved Banner Oats is the very best, and every one should renew the old or try this.

This wonderful grain stands the test even in the driest seasons, and to-day, after hundreds of trials in all parts of the country, its fame is higher and more secure than ever before. Reports from all sections indicate a satisfaction that is truly gratifying, but not more than was expected when it was first sent out. For it had been thoroughly tried and proved to be the most prolific variety of Oats on record. One hundred bushels to the acre have been raised, and that certainly ought to satisfy the most exacting. On fields to which no fertilizer has been applied for two years, 70 bushels to the acre have been produced. This year all that has been claimed for it has been done. It has been carefully tested and is the Improved Banner Oats of America. An abundance of 80 bushels has been raised from a single pound of seed—30 pounds in excess of what was claimed for it when first introduced.

The grain is white, large and plump; ripens early, has a stiff straw of good length. It terrors freely and throws up a large number of stems, and therefore can be sown thinner than ordinary varieties. It does not take up much room and can be sown without a break. We therefore recommend all progressive agriculturists to give it a trial and try the variety. An Oat that will yield 80 to 80 bushels to the acre with ordinary culture is good enough to raise and good enough for everybody to make a trial of. On good soil and with good weather it will go far ahead.

Prices, postpaid, per pound, 25c.; 3 pounds 10c. By express or freight, at expense of purchaser, per peck 25c.; per bushel $1.00; 10 bushel lots 90c. per bu. For large quantities, special prices on application.

Improved Black Tartarian. These Oats were grown specially for seed from pure imported stock and in the most efficient manner in which we have grown in sufficient quantity to warrant a chance to try its merits. The grain is very large, shiny, plump and full, very thin hull, and it is exceedingly prolific, having yielded at the rate of 100 bushels to the acre with only ordinary culture. This is proved absolutely rust-proof, as no disease whatever has been noticed on the variety. An Oat that will yield 80 to 80 bushels to the acre with ordinary culture is good enough to raise and good enough for everybody to make a trial of. On good soil and with good weather it will go far ahead.

Prices, postpaid, per pound, 25c.; 3 pounds 10c. By express or freight, at expense of purchaser, per peck 25c.; per bushel $1.00; 10 bushels and over 50c. a bushel. Larger lots special prices. Samples mailed on application.

The Famous Lincoln Oats. We have had great success with these New Lincoln White Oats and are anxious to send to Western States, with such grand results as to its wonderful productiveness, some reports as high as 174 bushels from a single bushel of seed sown: claimed to have a remarkably stiff straw, standing up well on all kinds of soil; very early, and so far proven entirely rust-proof; it is very valuable for seeding on account of its thin hull, heavy meat and soft nib. From what reports we have we think these Oats ought to be grown by every progressive agriculturist, especially when the price we offer them is so reasonable.

Price, peck 25c.; per bushel $1.00; 10 bushels and over 90c. a bushel; large lots, special price.

New Sensation White Oats. These Oats are of our own raising and are about 10 days earlier than the common Oats. With short, stiff straw that will not lodge or rust. We cheerfully recommend it to all of our customers who are in need of a first-class white oat. The grain is very heavy, an immense yielder, and an all-around good oat.

Price, peck 25c.; per bushel $1.00; 10 bushels and over 50c. a bushel. Larger lots special prices.

FLAX SEED.

56 lbs. to Bushel. Sow 1 to 1½ Bushels per Acre.

Flax. Extra reclaimed for seeding. Lab. 5c; peck 40c; bushel $1.50.

CANADA FIELD AND COW PEAS.

Sow from 1 to 2 Bushels per Acre, Cotton bags 25 cents.

White and Blue Varieties. They are used mostly for field culture. In their dry state they are used extensively for feeding pigeons, making soups, also table use; in their green state for turning into hay, and if well handled, will produce pounds of flesh and tillage annually.

Canada Field Peas. From one to two bushels, according to soil, are sufficient to sow per acre. Bushel $1.75; peck 60c; quart 15c; pint 6c. Special prices on 10 bushels or over.

Cow Peas (Whip-poor-will), and Other Varieties. The best for soil ing. Broadest 1½ bushels per acre. Nothing better for stock of all kinds, green or dry state. Quart 20c.; bushel $3.00. Special prices for 10 bushels and upwards.

We are headquarters for Field Peas.

RAPE SEED.

(Sow 5 lbs. per acre.)

True Dwarf Essex English Rape Seed. Mr. Owen, of Norwalk, a customer of ours, seeded three-fourths of an acre to Rape and pastured 60 horses on it all season, and they grew fat. The horses had access to this field at will, and at the end of the season the patches of Rape were not even there to be seen by it. Small stock made 150 bushels a pound of the Rape. They are roaming through the pastures in search of a scanty living. Rape may be sown broadcast at the rate of five pounds per acre and harrowed in, or the land may be thoroughly harrowed and the seed sown in drills, and the cattle allowed to run over it. The white small stock will eat from the Rape, and on an average one acre will carry twelve to fifteen sheep six weeks to two months. There are varieties of Rape, but care should be taken to procure the true Dwarf Essex, which is the same season as ours, and seed is larger than the others. The Hay and Mustard Seed usually used and sold for bird seed. Rape Seed can be sown and cultivated in the growing corn. Price, lb. 10c.; $6.50 per 100 lbs. Cotton bags 25c.

SEED RYE.

(Sow from 1 to 1½ bushels per acre.)

Very little attention has been paid to cultivating this crop until lately, but recent experiments have shown that it pays as well to feed the Rye crop liberally as almost any other. It is a good crop to grow for green manuring. We know of some farmers on clay lands who grow corn everywhere and feed up their stock by using the manure from the Rye, and on an average one acre will carry twelve to fifteen sheep six weeks to two months. There are varieties of Rye, but care should be taken to procure the true Dwarf Essex, which is the same season as ours, and seed is larger than the others. The Hay and Mustard Seed usually used and sold for bird seed. Rape Seed can be sown and cultivated in the growing corn. Price, lb. 10c.; $6.50 per 100 lbs. Cotton bags 25c.

Rye. For early seeding. Per peck, 40c.; bushel, $1.50. Mammoth White Rye. For fall seeding. Per peck, 30c.; bushel, $1.00.
OUR SPECIAL GRASS MIXTURE
FOR HAY AND PERMANENT PASTURES.

Buy good, first-class Seed, and although high priced to start with, saves Money, Time and Labor in the Long Run.

No Phosphate Used. Pioneer Maumee Valley Phosphate Used.

One thing is certain, that good pasture land is the foundation of the riches of a farm.

GRASS MIXTURES FOR PERMANENT PASTURES.

The past years have demonstrated the necessity of devoting more attention to good pastures. A pasture or meadow of Mixed Grasses is far superior to Clover and Timothy.

No. 1. Grass Mixture for Permanent Pasture. The base of this special mixture is Orchard Grass, which yields an abundant crop as the ordinary mixture of "Timothy and Red Top," and is also a much more permanent grass than Timothy; with the great luxuriance of its aftermath it possesses remarkable powers of enduring the cropping of cattle. Besides Orchard Grass, this mixture is made up of Our Northern Red Top (which grows taller and makes better hay than the Red Top from the South), and English Rye Grass, Tall Meadow Oat Grass, English Blue Grass, Kentucky Blue Grass and Alsike Clover Seed, which gives permanence to the sward. From 25 to 35 pounds should be sown to the acre. This mixture is good on any soil. Per lb. 15c.; per 100 lbs. $13.00.

No. 2. For Moving and Grazing in Orchards and Shaded Situations. English Rye Grass, Timothy, Meadow Fescue, Orchard Grass, Wood Meadow Grass, Italian Rye Grass, Tall Meadow Oat Grass, Mammoth Clover, Red Top Grass and White Clover. Allowing 20 pounds per acre. Per lb. 15c.; per 100 lbs. $13.00.

No. 3. For Pastures on Any Soils. Timothy, Meadow Fescue or English Blue Grass, Meadow Fescue Grass, Red Top Grass, Orchard Grass, Kentucky Blue Grass, Lucerne Clover, Alsike Clover, White Clover. Allowing 20 pounds per acre. Per lb. 15c.; per 100 lbs. $13.00.

No. 4. For Ordinary Pasture. Orchard Grass, Kentucky Blue Grass, Timothy, Red Top, and Red Alsike Clover Seed. Allowing 25 pounds per acre. Per lb. 15c.; $12.00 per 100 lbs.

No. 5. For Wood and New Ground Pasture. We have a mixture of the following grasses, which we offer at such price that any one who has any room and need for same will no doubt avail themselves of our very low offer: Orchard Grass, Blue Grass, Red Top Grass, Timothy, low-grade Alsike and other Clovers. Allowing 20 pounds per acre. Per lb. 12c.; $10.00 per 100 lbs.

Grasses and Clover Seed. We issue a daily price list of all Clovers, Timothy and other Grass and Farm Seeds, which will be sent free upon application.

SUNFLOWER—MAMMOTH RUSSIAN.

CULTURE—The Sunflower, during the past few years, has attracted considerable attention as a profitable field crop, its leaves being used for forage and its seed for poultry and the manufacture of oil. It is also planted with satisfactory results on low, swampy ground, to avoid miasma.

Mammoth Russian. Striped seed. Price per lb. 10c.; 50 lbs. and upward 6c., per lb. This is one of the best egg-producing foods known for poultry, keeping them in fine condition. Cotton bags, 25c.

VETCHES OR TARES.

Sow 30 lbs. per acre with one-half bushel grain to hold up.

Vetches or Tares are grown for a forage crop.

The Hairy or Sand Vetch. (Vicia Villosa.) This has proved to be the most valuable of all Vetches. It succeeds on all soils and does not suffer from extreme drought, heat or cold. Sown in spring or fall it quickly produces a most luxuriant growth. The vines are very similar to Pea vines, but more slender and much more thickly clad with leaves and side stems, so will furnish the very best of feed. From tests made by Ohio's Department of Agriculture, the Hairy or Sand Vetches do well and will remain green throughout all but the most severe winter weather. Makes a good hay as Mammoth Clover and cattle eat it as readily. A good plan is to sow with Rye in the fall of the year, as the rye helps to keep it loose and hold it up so that it can be cured more easily. For reclaiming sandy soils it has no equal. Try it. Price, 10c. lb., not postpaid; $5.00 per 100 lbs. by freight or express.

GINSENG.

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<th>Seed Type</th>
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New Edition of "The Horse's Guide" will be published in December, and will be sold for $2.00.
GRASS SEEDS

High-Grade Extra Clean Clovers, Timothy and Other Grass Seeds.

Toldeo, Ohio, is the greatest Clover Seed market in the world, and we are right in the seed belt. Our Pioneer Brands Medium and Choice Mammoth Clover Seed are the purest and best cleaned of all. Our large mail-order trade has been built up by honorable dealing, handling the best grades of seeds, filling orders by our customers just what they pay for and expect to get. We have pleased thousands, according to their friendly testimonials, and will please any one who will favor us with their order, and ask you to write us for samples and prices whenever wanting to buy in large or small quantities.

We pay particular attention to this part of our business. These seeds are selected and tested with special reference to their quality. Purchasers may rely upon our best exertions to furnish Grass and Field Seeds pure and free from noxious and foreign seeds. We grow and buy every variety kept in the largest quantities of Clover Seed, kept separate and not mixed. Our prices are as low as any reliable seedsmen can sell such Clover and Grass Seeds for.

It would be every time to pay a little more and get the genuine unmixed and clean seed. Clover is the foundation of all farming. It would even pay the farmer if he had to give $10 per bushel for it. We are in a position to save you money every time on Grass and Clover Seed. Send your order, or apply for prices, promptly and samples, to our office.

Kentucky Blue Grass, English Ryegrass, Orchard Grass and Red Top, in lots of five bushels and over, no charge for bags. For all other seeds, cotton bag extra.

Orders are solicited and will receive prompt and careful attention, and will be filled at lowest market price on receipt of same.

When in the market to buy, write for our Field and Seed Price List, mailed free.

Cotton Bags extra, 25 cents each.

Prices given below for the Field Varieties are for the present only as the market changes daily.

Alfalfa or Lucerne Clover (Medicago Sativa). Alfalfa is a wonderful forage, fertilizer and hay plant; the greatest cropper of all Clover and Grass varieties, will produce three to four crops in the season. In California and Mexico seven crops, will thrive and grow on dry, barren, sandy, gravelly and hilly land, where no other plants live. The Alfalfa sprout sinks its roots deep after moisture and intertrashment, and the severed drouth has no effect on it, the barren soil keeps covered with a beautiful green crop; also stands wet, heavy rains, deep snows and cold winters. Nothing better to restore worn out land. The crop is a short one this year. It is now grown successfully in Ohio. Seed can be sown either in the spring or fall at the rate of 15 to 20 lbs. per acre, the best months for seedling being May and August. Be sure the land you seed to alfalfa has good surface drainage, for water standing on the land for any length of time in winter is certain to kill it. Seed a narrow cut and Boreless Harvery. Price: Pound 30c., postpaid 40c.; bushel, $1.00. Market price in quantity.

Turkestan Alfalfa Clover. Imported from Turkestan and said to be more hardy than our home-grown seed. Price: Pound 30c., postpaid 40c., Market price in quantity.

Aiske Clover. Swedish Clover (Trifolium Hybridum). So called from being intermediate in its appearance between the Red and White Clovers, possessing qualities common to both, being productive, sweet and permanent. Its value for pasturage or soiling; makes the finest hay sown with or without Timothy. The flowers are a distinctive light pink and afford fine pasturage. $1.50 per 50 lbs., or $5.00 per acre. Market price in quantity.

This seed has in former years been mostly sold for export, but there is a growing demand for same in this country, as it makes one of the best forage and hay crops and great yields to seed.

Bokhara Clover. Honey plant (Melilotus Alba). Excellent for bee food, growing well on poor soil. By mail postpaid, 30c. per pound. Market price for quantity.

Crimson or Scarlet Clover (Trifolium Incarnatum). Is an annual variety in common use in Italy, France, and of late in this country. The best to endure hard frost; therefore not to grow as far north in the early fall. It is a rapid grower; the yield is immense, and for feeding green late in the fall and early spring it has no superior. It is used for the months of May, June and July. As an improver of the soil or for an early Summer forage or hay crop, it is not equal. The flowers are crimson. Price: Pound 30c., postpaid 35c. Market price in quantity.

White Dutch Clover (Trifolium Repens). Grows naturally in pastures in a great variety of soils and situations and is an indispensable requisite in all parks and lawns. For postpaid, 30c. Market price in quantity.

Stainol (Onobrychis sativa) a perennial leguminous plant of Alfalfa Clover Family. Is valuable for growing on barren hillsides, and when once established lasts for many years. Per pound 15c.; per hundred pounds $10.00.

Bermuda Grass (Cynodon dactylon). A most valuable Grass for our Southern States. It is best suited to the dry and sandy Southern States. It is of dwarf habit, with long creeping stems, rooting at the joints. Makes a matted turf and will kill other weeds. Per 500 lbs., $1.25.

Bromus jacuus (Awnless or smooth Bromegrass). A hardy perennial Grass growing from 3 to 5 feet high and standing extremes of heat, cold and drought better than any of our cultivated Grasses. Yields big crops of hay, but much inferior to that of our standard native sorts. Has creeping roots, spreading rapidly and giving out new plants, therefore hard to eradicate when once established. Sow in spring or fall at the rate of from 15 to 20 lbs. per acre. Per pound, 20c.; bushel 12 lbs. $1.40.

Bromus huncerus.
Beach Grass (Ammophila Arenicola). Valuable on the sandy seashore, canal and railway banks, etc. With its strong, wide-spreading roots it binds the drifting sands into natural embankments against the action of wind and waves. Price, per lb. 40c.; bushel 15 lbs. $5.00.

Kentucky Blue Grass (Poa Pratensis). Kentucky (not Canada) Blue Grass crop was an average one this season. It is very valuable and exceedingly popular in some sections of the country as a pasture grass. It is very productive and unusually early in spring, furnishing delicious food throughout the season for all kinds of stock. It is not easily affected by drouth or frost, is suited to any variety of soil, succeeding best on a moist, rich meadow. For permanent pasture it is of particular value, being of dwarf growth; the form not 15c.; pound by mail 30c. Fancy: bushel, $2.75; peck 75c. by mail 50c. For large orders, special price. We can furnish a lower grade (extra clean) Kentucky Blue Grass at $1.50 a bushel, but there is but little vitality left in it and we do not recommend it.

Creeping Bent Grass (Agrostis stolonifera). This grass prefers low bottom lands, especially if somewhat sandy; is of rapid growth, spreading habit, and its creeping, rooting stems make a strong, matted turf that is positively improved by constant trampling. Forty-five pounds should be sown per acre. Price, per lb. 50c.; bushel of 15 lbs. $3.00.

Crested Dog's-Tail (Cynosurus Cristatus). A Perennial Grass that thrives both on hilly and bottom lands, in the shade and open; accommodates itself to any soils. Sow 30 pounds per acre. Price, per lb. 30c.; per bushel of 30 lbs. $3.00.

English Perennial Rye Grass (Lolium perenne). Large used in Pasture Mixtures. It makes a rich green sod and nutritious hay, and lasts for several years. Price, per lb. 10c.; bushel of 22 lbs. $1.75.

Hard Fescue (Festuca Durluscula). A Permanent Grass for dry, sandy lands; also shallow, silicious soils. Is extremely hardy and withstands extremes of heat and cold and also long periods of drought. Height 1 1/2 to 2 ft.; 30 pounds to the acre. Price, per lb. 15c.; per bushel of 20 lbs. $2.50.

Hungarian Grass. A valuable forage grass and hay, both because of its foliage and nutritious seeds; early; resists drouth; does well on light soil. Sow one bushel per acre. Bushel 48 pounds. Lowest market price.

Italian Rye Grass (Lolium Italicum). A remarkably rapid growing Grass that under the most favorable conditions will last two years, as an annual only. Withstands extreme heat and cold; valuable to mix with other grasses. Height 1 1/2 to 2 ft. Price, per lb. 10c.; per bushel of 22 lbs. $3.00.

Johnson Grass. A valuable Southern Fodder Plant to be sown in August and September at the rate of 30 pounds per acre. Price, 15c. per lb.; in 100-lb. lots $1.00.

Meadow Fescue. One of the best permanent pasture Grasses for rich, moist soils, extremely early and withstands high summer heat without burning out. Should be sown only in connection with other grasses for pasture at the rate of four pounds per acre. Height 2 to 3 feet. Price, per lb. 50c.; per bushel of 9 lbs. $2.75.

Meadow Fescue (Festuca Pratensis). English Blue Grass. A highly valuable species for permanent grassland. It does not, however, attain its full productive power until the second year, when it far exceeds most other sorts in quantity of its produce and nutritive matter. It is relished by live stock, both in hay and pasture, and is one of the most desirable permanent grasses for general culture and mixtures for permanent pasture. Height 2 feet; 27 pounds to the acre. Price per lb. 15c.; bushel of 27 lbs. $3.50.

Meadow Sweet Grass (Holcus Lanatus). A perennial and hardy Grass for poor soils. Height 1 to 2 feet; sow 35 pounds per acre. Price, 20c. per lb.; per 100 lbs. $1.00.

MIFFETTS.

Valuable as summer forage and hay Grasses, weighing 50 pounds per bushel, to be sowed at the rate of one bushel per acre.

Common Millet. An excellent early forage Grass, with long, broad leaves and nutritious grain. Grows to height of 3 or 4 feet. Very early. Lowest market price.

Improved German or Golden Wonder Millet. This is not so early as the common Millet, but yields much larger crop. Southern grown seed is preferred, producing more hay. Northern-grown seed is usually hybridized with other millets and will not grow as tall. Southern-grown seed at lowest market price.

Orchard Grass. The Russian Forrage, or New Manitou Millet. This is largely grown in Russia, British Columbia and the Dakotas, and introduced by us a few years ago. Lowest market price.

Orchard Grass (Dactylis Glomerata). A rough, coarse, perennial Grass, extremely hardy; of all grasses the best for sowing under trees or in orchards; furnishes abundance of pasture during the entire season, wet or dry; makes excellent hay mixed with clover. Sapling or Alsike Clover is best to sow with it, as it ripens about the same time. Sow in September or spring, at rate of 1 1/2 bushels per acre. Price per bushel, 14 pounds. This seed has been in great demand by English and other foreign dealers. It grows about 2 1/2 feet high, producing an immense quantity of leaves and foliage. On account of its earliness and quick growth it is of exceptional value for permanent pastures. It furnishes the first green bite in spring and the last in fall; is quick to recover from close cropings, even thrives better the more it is cropped, and is heartily relished by all kinds of stock. It should not be sown alone, as it grows in tufts, but in a mixture with other grasses it should be included, so as to get a close and even sod. Pound 30c.; bushel $2.00.

Pucey's Rye Grass (Lolium Perenne). The most valuable Grass of Great Britain, holding the same position of importance that Timothy does in our country. Very early and curies into hay that is very hard but has a sweet flavor and relished by cattle. Mixed with Red Clover makes a good hay. Height 1 1/2 to 2 feet. Sow two bushels per acre. Price, per lb. 20c.; per bushel of 28 lbs. $3.25.
Rhode Island Blue Grass (Agrostis Canina). This Grass is a native of Europe and much resembles our Red Top, but is of dwarf habit with shorter and narrower leaves. It makes a close, fine turf, and is largely used for lawns in the old country; at the rate of 50 pounds per acre. Height 1 to 2 feet. Price, per lb. 25c.; bushel of 15 lbs. $3.00.

Red or Red Top Grass (Agrostis Vulgaris). Fourteen pounds to the bushel. This is a good permanent grass, and makes a perfect sod. It is the best grass that can be sown on sandy lands for holding the soil. In most sections it is highly appreciated for hay, succeeding Clover and Timothy when they have dried out. It is a good forage plant when kept fed close. It never grows so coarse or hard but that the stalk is sweet and tender, and eaten without waste. It should enter largely into a mixture with other grasses. Sow two bushels to the acre. Price 15c.; subject to market prices.

Red Top Fancier. Cleaned from chaff and is solid seed. (About 50 lbs. to the measured bushel.) Three pounds thus equals one bushel of ordinary Red Top. Unlike ordinary Red Top, it can be sown at the same time with other grasses, thus avoiding going over the ground a second time. 20c.; 14 lbs. $1.75; 100 lbs. $12.50.

Red Top grass almost everywhere, but in a moist soil it reaches its highest state of perfection; is good for pasture and also lawns. There is a great difference in the grade and qualities. The low-priced seed is really nothing but the chaff and hulls of the choice and fancy cleaned, and contains but a small percentage of germinating seed.

Rough Stalked Meadow Grass (Poa trivialis). This Grass grows from 1 to 3 feet in height and makes a fine turf in shaded or moist situations. It is valuable for forming bottom grass in pasture mixtures. Sow 20 pounds per acre. Per lb. 40c.; bushel of 26 lbs. $1.00.

Sweet Vernal, True Perennial (Anthoxanthum odoratum). A fine Grass for pasture mixture, as it keeps up a continuous growth until late in the autumn. A little of this seed sown in the hay field emits a fragrant odor and thus sweetens the hay. Price, per lb. 60c.; per bushel of 10 lbs. $5.00.

Sweet Vernal, Annual (Anthoxanthum odoratum puelli). Much smaller than the perennial and of much less value, lasting only one year. Price, per lb. 15c.; per bushel of 10 lbs. $1.25.

Sheep Fescue (Festuca Ovina). This Grass prefers dry uplands and thrives in poor, shallow, gravelly soils where other grasses would fail. It is hardy, resisting extreme heat and cold. As it is a "bunch grass," good for mixing with other grasses for pasture; much relished by sheep. Price, per lb. 15c.; per bushel of 15 lbs. $2.00.

Timothy (Phleum pratense). This Grass Seed, so well known that it needs no description, is most extensively grown throughout this country and succeeds well on most all soils and stands extreme drought, heat or cold. It makes the very best and most nourishing hay that can be preserved for a long time. We buy none but the fancy grade of this seed and after recleaning same are prepared to say that we sell the best Timothy Seed money can buy. Price, per lb. 10c.; per bushel of 45 lbs., market price.

Tail Meadow Out Grass (Avena Elatior). Valuable as a pasture Grass on account of its early and luxuriant growth; extremely hardy and much relished by cattle. Height 2 to 4 feet. Price, per lb. 20c.; per bushel of 15 lbs. $2.50.

Tail Meadow Fescue (Festuca Elatior). Succeeds best in moist alluvial and strong clay soils, and valuable as permanent pasture; relished by stock. Height 3 to 4 feet. Price, per lb. 40c.; per bushel of 22 lbs. $5.50.

Wood Meadow Grass (Poa Nemoralis). The finest Grass for shaded situations in lawns and woodland parks where other lawn grasses will not grow. Is very hardy and resists extreme heat or cold. Price, per lb. 45c.; per bushel of 19 lbs. $6.50.

SPRING AND WINTER SEED WHEAT.

Sow 1½ bushels per acre.

NOTE.—No matter how low prices may go, wheat will continue to be grown, for there is nothing else that will take its place in many crop rotations, especially where grass is to follow. It makes a sale crop, and the straw is indispensable about the barn if stock is to be kept comfortable and in a thriving condition. It has been found that wheat can be fed to stock very profitably when the price is too low to sell to market, and, altogether, the consumption of wheat is likely to increase rather than diminish in the near future. In view of these facts, farmers should learn how to grow the crop cheaper, or, in other words, how to increase the average yield per acre, for there is a profit when between 30 and 48 bushels are obtained. There is no doubt of most farmers being able to obtain such a yield if thorough cultivation and fertilization are employed.

North Dakota Early Spring Wheat. Peck 50c.; bushel $1.75.

We will have all the leading and new varieties of Northern-grown Winter Wheat, of which we will issue a Special Seed Wheat Catalogue, containing full descriptions and prices, by July 20th next, and mailed free to all applicants. Our customers write for this list:

North Dakota Early Spring Wheat.

Smooth Varieties. Pool, Mealy, Fultz, Red Clawson, Number Six.

Hearded Varieties. Rudy, Diamond Grit, Nigger, Hybrid Mediterranean.

SPETSCH OR EMMER.

(Sow from 50 to 75 lbs. per acre.)

Introduced from Germany into this country several years ago, and from all reports will grow anywhere in the United States, and we can safely offer the seed to our customers as one of the grandest fodder crops grown. It resembles Barley when threshed, and when the hull is removed you can scarcely tell it from wheat. Speltsch is an immune yeilder and for fattening cattle and hogs has no equal, being better food than corn. Speltsch should be sown early in the spring, the same as Spring Barley and Spring Wheat, and enormous yields are assured. We offer Ohio-grown seed at the following rates, f. o. b. cars. Cotton bags extra 25 cents each. Pound, postpaid, 20c. By freight, 50 lbs. $1.75; 100 lbs. $3.00.
PHILIPPS' LAWN GRASS SEED MIXTURES

Our Grass Seed Mixtures are known for their purity and will make a perfect turf before the approach of cold weather. If sown during September or early part of October, and produce finer lawns the following summer than those sown in spring. Toledo is known all over as the Grass Seed Center of the world, and our facilities for picking the Cream of the market are unsurpassed.

All the Grass Seeds entering into our Lawn Grass Mixtures thoroughly recleaned by the most improved methods so as to make them free of foul seeds. We buy the very best grades of Seed for our Lawn Grass Mixtures and can therefore assure our customers that no better Seed can be had at any cost.

LAWN GRASS SEED.

Philipps' "Fancy Park" Mixture. A very fine mixture of grass seed, producing a thick and velvety permanent turf, which will retain its beautiful appearance throughout the entire summer and fall. It contains all the most suitable fine-bladed varieties in proper proportion. Will make a perfect lawn in from six to eight weeks. Per lb. 25c. (postpaid 30c.); per bushel of 14 lbs. $2.50.

Philipps' "Under-Trees" Mixture. It is hard to obtain a nice growth of grass permanently under trees or other shady places, and this mixture is composed of grasses which will grow in such situations and give satisfaction. Per lb. 40c. (postpaid 50c.); per bushel of 18 lbs. $6.50.

Philipps' "Slope and Terrace" Mixture. To get a satisfactory turf on slopes or terraces requires grasses which root very deeply and will withstand the washouts of heavy rains, and this mixture contains such varieties in liberal proportion, which, after once being established, will not suffer from continuous heavy rains. Per lb. 25c. (postpaid 35c.); per bushel of 20 lbs. $3.50.

Philipps' "Putting Green" Mixture. It requires a very substantial turf for Putting Greens, and this mixture will answer the most critical demands. It contains all fine-bladed grasses of low growth and will produce a tough, thick and beautiful green turf. Per lb. 25c. (postpaid 35c.); per bushel of 20 lbs. $4.50.

The Lawn Grass which we offer should not be compared with the cheaper preparations advertised. Our combination is of the best chosen varieties and clear of weed seeds. Any one who purchases cheap, ill-chosen Lawn Grass will soon realize that it is a poor investment, as the crop is a constant reminder of a poorly considered purchase.

Much of the success of lawn making depends upon the preparation of the ground. The land must be well plowed or dug, and harrowed or raked, to secure thorough pulverization, and, if possible, well rolled down and top dressed with a good fertilizer, unless the land had received an application of well rotted stable manure before plowing or spading, and we would recommend a good grade of super-phosphate or a mixture of phosphate, ammoniated bone, as especially adapted for lawns, at the rate of 500 pounds to the acre, which should be lightly harrowed in and upon the seed bed. Our Lawn Grass Mixture should be carefully sown at the rate of three or four bushels to the acre, lightly harrowed in and thoroughly rolled. When the young shoots of grass have attained the height of three or four inches it should be carefully mown with a sharp scythe; after this it should be mown about every ten days with a lawn mower. Frequent mowing is indispensable to maintain turf in good order.

When your lawn has already been established, you will find it greatly to your advantage to renew it every season. As early in the spring as the weather will permit, have your lawn carefully raked so as to remove the dead grass and leaves that may be thereon; then sprinkle it with our Mixed Lawn Grass Seed, which will renew the thin places and spots which have been killed by winter; then give it a dressing with our Lawn Fertilizer Mixture, and finish by giving the whole a thorough rolling; after which the lawn mower should be used every week or ten days. This will make the lawn a source of ever varying beauty and enjoyment throughout the season.

We have tried all kinds of Lawn Grass Seed, both native and foreign, and confidently recommend our Mixed Lawn Grass Seed as the best in use. It makes a quick and luxuriant growth, and permanently occupies the ground, giving it a velvety evergreen sod, which is the charm of a lawn.

HEDGE SEED.

Culture—Hedge Seed must be soaked in warm, not hot, water from five to ten days. Stir each day and change water, and when the seed begins to sprout, it is ready for planting. Plants should be transplanted before setting in hedge row. Osage Orange, 40 cents per lb.
... 1908 ...  

**Flower Seed Novelties and Specialties**

The list of the following varieties is a special selection for those who wish to have the choicest strains of the old varieties and the best of the new varieties, which impress us from the horticultural press as meritorious.

**THE SIX MOST BEAUTIFUL ASTERS**

310 *Daybreak.* Of branching habit, growing about two feet high; flowers large and double, with incurved petals on long, stiff stems, giving a striking appearance. Their rosy-shell-pink, perfect flowers appear in August in great profusion; should be in every garden. Per pkt. 10c.

312 *Hercules.* This Aster forms an imposing plant, making stems of from 15 to 20 inches long which begin to branch when about 4 inches high, bearing flowers of enormous proportions, sometimes 7 inches in diameter, and may best be compared with a huge Japanese chrysanthemum. The flowers are of the popular comet type and of the purest white; very double and hardly showing the yellow disk so common in large Asters. Per pkt. 25c.

315 *Hohenzollern.* This is one of the finest of purest white Asters, measuring from 6 to 8 inches across. A late cut-flowering variety and are sure to become popular. Pkt. 25c.

320 *Lavender Gem,* belonging to the comet type, with very large, long and loosely arranged petals, forming a most artistic flower. Growing about 2 feet high they bear their beautiful clear lavender blossoms on long, slender yet stiff stems, a jewel among Asters. Per pkt. 20c.

360 *Purity,* the same in every way as the Daybreak Aster, of the same symmetrical growth, but of a pure glistening white. Per pkt. 15c.

310 *Snowdrift,* a very early and exceptionally beautiful Aster, with large, handsome, plummy flowers of the purest white on long and strong stems. The finest and most valuable early Aster for cutting. This Aster is of American origin and specially suited for our trying climate. Per pkt. 15c.

One pkt. each of above Asters, 90c.

**SWEET ALYSSUM**

"Little Gem" or "Carpet of Snow."

161 This type is so much superior to the common kind that it deserves to be planted in masses for edging wherever a short, thick growth is wanted. It grows only to a height of about 4 inches and is covered all season with close, round, pure white flowerheads, deliciously scented; especially valuable for low borders and will make a compact white line early in season and increase in width and snowy whiteness each week. Per pkt. 5c.; per ½ oz. 15c.; per oz. 50c.

**CALLIOPSIS BICOLOR NANA**

"Golden Ray."

551 All the annual Calliopsis are great favorites on account of their marvelous profusion of bloom, and this new kind is no exception in this popular family. The petals are gracefully turned back, forming a tube much like a Cactus Dahlia. The color is a warm chestnut brown, extending over half the petals, changing into a bright golden yellow at the tip. The plant is of very dwarf, bushy growth and almost smothered with flowers the entire summer. It is easily raised from seed sown in the open. Per pkt. 20c.

**GIANT MARGUERITE CARNATIONS**

628 This class produces very large and beautifully shaped flowers about ten weeks after sowing, continuing to bloom till late into the fall. They are of a delicious fragrance and rival many of the greenhouse varieties in beauty. Excellent for cutting and should be planted largely by all lovers of this popular flower. Per pkt. 10c.
CENTAUREA IMPERIALIS “GIGANTEA”

663 This magnificent new Cornflower or Royal Sweet Sultan is of exceptional tall growth, attaining a height of almost five feet, and bears its large, pure white, sweetly scented flowers on strong, stiff stems over two feet long. The flowers are of the same elegance as the now so well-known Royal Sweet Sultans and are remarkable for their lasting qualities when cut, and it seems that this new race stands the hot weather by far better than all the others. Per pkt. 20c.

CAMPANULA CALYCANTHEMA

“Cup and Saucer Canterbury Bells.”

Belonging to the perennial plants of tall, stately growth, with numerous large flowers, shaped like a cup and saucer. They bloom in summer for a long time and are great favorites with all lovers of flowers. Exquisite for the hardy border.

569 Blue ........................................ Per pkt. 10c. 566 Striped ........................................ Per pkt. 10c.
565 Rose ............................................. Per pkt. 10c. 567 White ............................................ Per pkt. 10c.
569 Collection of the 4 colors, 30c.

CELOSIA PLUMOSA THOMPSONI MAGNIFICA

656 This feathered Coxcomb is certainly one of the finest annuals we can plant in our garden. Of stately and symmetrical growth with their richly-colored plumes waving in the air, they are of striking beauty and should be in every garden. They are elegant for cutting and will last a long time. Per pkt. 10c.

COSMOS (Klondyke)

770. The Cosmos are popular with all, their graceful foliage rivaling in beauty with a delicate fern and the large, elegantly formed flowers are useful as cut flowers and add a charm to our garden at a time when flowers are extremely scarce. This “Klondyke” should be sown rather early, preferably in the house, and planted in a warm and protected locality it will bloom in July. The flowers are medium sized and of a deep golden yellow color, exceedingly rare amongst flowers. Per pkt. 10c.

VERBENA COMPACTA CARNEA

2571. A very dwarf and compact growing Bush-Verbena—with large trusses of pure, flesh-colored flowers, a shade previously unknown in this class. Magnificent for border or bedding in masses. Per pkt. 20c.

DAHLIAS

810. Collarette (for illustration see under Dahlia roots). This magnificent variety came to us from France a few years ago and is certainly so odd and beautiful that it will be much admired by all. It comes pretty true from seed and will bloom the first year if sown in May in the open ground. It belongs to the single class, and while the outer petals are mostly of a dark shade the collar or inner petals are always of the opposite color, forming a beautiful contrast. Per pkt. 15c.

813 Colossal, a forerunner of an entirely new race of startling dimensions, reminding us of Mammoth Sunflowers. It puts all previously known single Dahlias completely in the shade, the flower being one of the best Dianthus, blooming the entire summer and rivaling in beauty and usefulness the finest fancy Carnations. Per pkt. 25c.

DIANTHUS (Pinks)

851 Vesuvius, a selection of the annual fringed pinks of an intense scarlet with just the slightest shading of orange, a fairly dazzling color in full sunshine and absolutely new and distinct. The flowers are deeply fringed and of large size on stems 10 to 12 inches long and appear in great profusion, which makes this class so very valuable, either for cutting or bedding. Per pkt. 15c.

852 Snowdrift, a very double form of the annual fringed pinks, grows about 12 inches high, is robust, branches freely and produces its magnificent snowy white flowers very abundantly. The large flowers are of perfect form and measure between 3 and 4 inches across, and extra double, with deeply cut petals and are said to be one of the best Dianthus, blooming the entire summer and rivaling in beauty and usefulness the finest fancy Carnations. Per pkt. 25c.
**LATHYRUS**

**HARDY OR EVERLASTING SWEET PEAS.**

The seed of this Perennial Sweet Pea can be sown either in the spring or fall. If sown in the spring the seed should be sowed in warm, not hot, water for four days before planting in light rich soil. If sown in the fall plant outside where they are to remain and protect with straw or litter during the winter. They are showy, free flowering, hardy perennial climbers and will always be a source of pleasure and enjoyment the entire season.

1219 Purple Red 5c.
1220 Bright Pink 5c.
1221 White 5c.
1228 Mixed Colors 5c.

Any of the above, per oz. 25c.; ½ lb. 15c.; per lb. $2.00.

**DOUBLE EVERBLOOMING HOLLYHOCK**

1120 This strain of Hollyhock has only been introduced a few years and has made so many friends since that it should not be missed in any garden. It dispenses to a certain extent with the trouble of removing the plants for one year before enjoying its flowers, as this new kind blooms very readily the first season from seed sown in spring in the open ground. The perfection of the flowers is almost the same as in the old well-known type and the colors range through all the different shades of black, yellow, pink, rose and scarlet. They begin to bloom in July and keep on to flourish till late in the season. Per pkt. 25c.

**DOUBLE EVERBLOOMING FRINGED HOLLYHOCK**

1121 The same in every particular as the preceding, but with fringed petals and much more double flowers than the Allegheny Fringed Hollyhock. Per pkt. 10c.

**THE GENUINE EDELWEISS**

**OR SUNFLOWER OF SWITZERLAND.**

There is a world of poetry connected with this charming flower, to obtain which many travelers have sacrificed their lives. It blooms right through the snow, and when cut lasts for years. The flowers are rare and beautiful, as white as snow and as soft as velvet.盛开 sometimes 10 on one plant, with grayish-white foliage in spreading rosette. Naturally as hardy as a rock, they grow in any way, on sandy soil, gritty and well drained, or on raised rockwork, and even as a border plant, in chalky open soil. Lasting for years in beauty, it will certainly prove a wonderful attraction. Price, per pkt. 20c.

**DWARF NASTURTIUM**

"Queen of Tom Thumb."

1520 Unquestionably the most striking of all the Dwarf Nasturtiums introduced during the last few years and of such perfection in every respect that it will cause admiration from anybody. The flowers are of a bright crimson, while the foliage is a silvery white variegated with green. Being one of the most beautiful contrasts imaginable. It is of very dwarf and compact growth and when used as bedding plant, will be found a great acquisition. Per pkt. 10c.

**PHLOX DRUMMONDI**

**Dwarf Large Flowered Kinds.**

This is a dwarf growing strain with very large flowers, and will certainly be a welcome addition for our gardens, where plenty of color is wanted the whole year around.

1886 Crimson  Per pkt. 10c.
1888 Dark Blue  Per pkt. 10c.
1890 Deep Pink  Per pkt. 10c.
1891 Gold  Per pkt. 10c.
1894 White  Per pkt. 10c.
1895 Mixed Colors  Per pkt. 10c.
1899 Collection of the 5 Colors 35c.

**PANSIES**

1760 Andromeda. This new Pansy surpasses all late introduction by far through its elegance and remarkable beauty. The single petals are gracefully curled and waved, giving the flower the appearance of being double. The flower is of largest size and of a delicate apple-blossom color with a light hue of soft lavender, the four upper petals being veined with deep blue, while the lower one has deep pink veins. Per pkt. 25c.

1895 Gold Medal Mixture, a strain with marvellous markings, composed of shades of brown, black, bronze, canary, chocolate, light blue, violet, indigo, orange, yellow, chestnut, marbled, mottled and white, and we are confident that they will give satisfaction. Their texture is firm and of remarkable freedom of bloom. ½ oz. $1.25; per pkt. 50c.

1899 Giant Flowered Parisian Mixed. This class is distinguished by its marvellous size and magnificent markings. They usually have a large dark blotch on each petal, surrounded by a broad band of a contrasting color, while a lighter netting is thrown over the whole flower. Flowers of 3½ inches in diameter are a usual occurrence under good cultivation. ½ oz. 25c.; per pkt. 10c.
SWEET PEAS A SPECIALTY

Of all our favorites among the many hundreds of annual and perennial plants with beautiful flowers, Sweet Peas take the lead, and it is safe to say that there is no garden without them. Their beauty and usefulness are so manifold as to make them absolutely indispensable, and if sown deep and early they will more than repay with more, larger and richer-colored flowers. For Sweet Peas in Mixture, see page 64.

The seed should be sown as soon as ground can be worked, in trenches 10 to 12 inches deep, which should be filled up gradually as the vines grow; this method will give a long vine in the soil, which will make innumerable roots and gather nourishment through dry spells from the moist depth where the roots of shallow-sown seed do not reach. Our selection of Sweet Peas will be found up-to-date, varieties of weak growth and small flowers are entirely eliminated, and only such are offered as are distinct in their colorings and of largest size. Our “Gold Medal Collection of 18 Best Varieties” contains absolutely the best, and is recommended to those who wish to plant the cream.

GENERAL COLLECTION

Those marked with * are in our “Gold Medal Collection.”

2280 *Amorica, crimson-scarlet striped on white, large size, open form.
2285 Aurora, orange-rose striped on white, large size, hooded, the most attractive of the striped varieties.
2290 *Black Knight, very deep maroon, with almost black veins on the middle of the standard.
2295 Blanche Barpee, pure white, medium size, slightly hooded, very graceful.
2290 Blanche Ferry, standard bright carmine rose, wings white tinged with pink, medium size, open form.
2301 *Blanche Ferry, extra early, standard bright carmine rose, wings white tinged with pink, medium size, open form, very early.
2305 *Cocinea, cherry-red, half hooded, medium size, very bright and effective.
2310 Countess of Cadogan, standard open purple, changing to lilac, wings bright blue and lighter on the edges.
2315 Countess of Radnor, standard mauve, wings lavender, hooded, medium size.
2320 Countess Spencer, standard large and wavy, whole flower of a lovely pink, shading darker at the edges, belonging to the new Orchid Flowered class, immense flower. Ox. 20c.; pkt. 10c.
2325 *Dainty, white, daintily edged with pink, very large.
2330 *Dorothy Eckford, pure white, the largest and finest white in existence.
2335 Dorothy Tennant, rosy purple, large size, hooded form.
2340 *Duchess of Sutherland, white tinged pink, medium size, hooded form.
2345 *Duke of Westminster, standard buff, tinged pink, with blotch of heavier pink at the base, wings pink.
2350 Earliest of All, Same as No. 2290, but four weeks earlier.
2355 Earliest Sunbeams, rich primrose, extra early, open form, medium size.
2360 Emily Henderson, pure white, large size, open form, one of the best whites.
2361 Evelyn Hyatt, A rich orange-salmon standard, with wings just a trifle deeper in color, giving a rich fiery orange or deep sunset color to the whole flower, very striking and unique. Recommended with confidence as perfectly fixed in character, and as one which will be largely used for cutting. Per pkt. 25c.
2365 *George Gordon, claret-red, large size, hooded form.
2370 Gladys Unwin, immense and bold flower, beautiful pale rosy pink, extra long stem. Orchid Flowered type. Pkt. 15c.
2375 Grace Greenwood, bright pink on primrose, showing veins of brighter rose, pink on edges, medium size, hooded form.
2390 Hon. F. Bouvierie, deep pink at the base, shading to light pink at the edges.
2395 *Hon. Mrs. E.Kenyon, light primrose, very large, half hooded, the largest and best of this shade.
2400 *Jeannie Gordon, standard rose, with deeper veins on primrose ground, wings primrose tinged with pink.
2405 *King Edward VII, crimson-scarlet throughout, the largest and finest in this color.
2410 *Lady Grisel Hamilton, standards mauve, wings lavender, very large hooded form, the largest and best lavender.
2415 Lady M. Ormsby Gore, standard buff and primrose, wings light primrose, large size, hooded form.
2420 Lord Roseberry, light magenta, yelined deeper, large size, hooded form.
2425 Lottie Eckford, white heavily shaded with lilac, edged deep blue, large hooded.
2430 Lovely, deep pink throughout, shading to very light pink at the edges; very large, hooded form, very attractive.
2435 *Miss Willmot, standard orange pink, with deeper veins, wings rose, tinted orange, very large, half hooded form.
2440 Mont Blanc, pure white, open form, medium size, very early.
2445 *Mrs. Walter Wright, deep mauve, an exquisite shade, very large.
2450 *Navy Blue, indigo blue shading to brighter, medium size, half hooded form.
2455 Phyllis Unwin, a giant among sweet peas, a deep rosy carmine with all the grand points of Gladys Unwin, the same wrinkled and wavy standard and broad wings, but with a larger flower, three or four on a stem. Per pkt. 25c.
2455 *Prima Donna, pure pink, large hooded form, the best of the light pinks.
2460 *Prince of Wales, rose-crimson, the largest and finest of this color.
2465 Salopian, crimson scarlet, large open form, one of the best scarlets.
2470 Scarlet Gem, dazzling scarlet, large size, the finest scarlet up-to-date. Pkt. 10c.
Price—Any of the above (except where noted), 5c. pkt.; 10c. per oz.; 25c. per 1/2 lb.; 75c. per 1 lb.
2470 Collection of a packet each of the 18 “Gold Medal Sorts,” 50c.; 1 oz. of each $1.00.
LIST OF RELIABLE FLOWER SEEDS

For Specialties and Novelties See Pages 43 to 46

Our list of Flower Seeds has been largely increased and is now very extensive, containing all valuable varieties. The various strains are of highest quality and have been procured REGARDLESS of PRICE from the NOTED SPECIALISTS here and abroad, and we are satisfied that no better seeds can be purchased.

When ORDERING it is only necessary to give the corresponding number, viz.: 2 pkts, 120, 10c.; means 2 pkts. Aconitum Napellus, 10c.

ACROCLINIUM

A very graceful annual "Everlasting" with small aster-like flowers of white or rosy pink, growing about 15 inches high. The flowers may be kept for years in perfect condition if cut before fully expanded. Belongs in every old fashioned garden and should be sown right in the open border.


ADLUMIA

(Mountain Fringe or Allegheny Vine.)

135 Cirrhosa, a biennial climber, exceedingly graceful, with fine feathery foliage which much resembles that of the well-known Maiden Hair Fern. The rosy-colored flowers are of tubular shape and cover the plant completely. It is very desirable for covering trellises, old stumps of trees and the like, growing 15 feet in a season. Per pkt. 10c.

AGERATUM

(Floss Flower.)

There are few plants so useful for bedding and which flower in such profusion till frost. Their foliage is completely hidden by the lovely flowers the entire summer, sun or rain having no effect on them. They may be sown right in the open, but by starting the plants in hotbeds or the house and transferring to the open ground in May, a much longer period of bloom may be had.

150 Blue Perfection. Deep amethyst blue, of compact growth, very large flower trusses. Per pkt. 10c.

152 Little Blue Star. A very dwarf and exceptionally handsome new kind, very even in growth, not over five inches high. The lovely bright-blue flowers are produced in such a profusion that they fairly smother the plant, lasting till late in August; best variety for edging. Per pkt. 10c.

154 Imperial Dwarf Blue. Bright blue. Per pkt. 5c.

155 Imperial Dwarf White. Per pkt. 5c.

156 Princess Victoria Louise. Of very dwarf, compact growth, with large sky-blue flowers; one of the finest bedding kinds. Per pkt. 10c.

ACONITUM

(Monk's-Hood or Wolfsbane.)

120 Napellus. One of the most beautiful hardy perennials for half shady positions, growing about 4 feet high and producing its deep blue flowers on long, slender spikes. No garden should be without them; one of the best subjects for naturalizing along shady walks. Pkt. 5c.
AGATHAEA

140 Coelestis (Blue Daisy or Marguerite), a beautiful plant for the garden or greenhouse in winter, with Daisy-like sky-blue flowers, fine for bedding in summer and very valuable as a cut flower in winter; deserves to be generally known. Per pkt. 10c.

ALYSSUM (Mad Wort)

Beautiful little plants for bedding, vases, hanging baskets, edgings or the rockery, blooming profusely all summer and very valuable for winter flowering.

160 Maritimum (Sweet Alyssum), the well-known favorite of trailing habit, blooming profusely all summer. Oz. 25c.; per pkt. 5c.

161 Little Gem or Carpet of Snow, decidedly superior to the above, of very dwarf compact habit, covering the ground with a perfect white mass. They start into bloom when very small and keep on producing its closely set white flowerheads till frost, the plant forming a regular circle 12 to 15 inches in diameter, very fragrant; the best for edging. Oz. 40c.; per pkt. 10c.

AMARANTHUS

Annuals growing from 3 to 5 feet high, very effective with their brilliant foliage and bearing curious racemes of flowers. Should be sown in the open with plenty of room to develop their full beauty.

170 Caudatus (Lover Lies Bleeding) 3 feet, blood red, drooping spikes. Per pkt. 5c.

173 Salicifolius (Fountain Plant) the popular name gives the best description of this graceful annual of pyramidal drooping habit. Per pkt. 5c.

176 Tricolor Splendens (Joseph's Coat), the leaves are red, yellow and green of a very brilliant coloring, growing 3 feet high, of beautiful ornamental value. This variety is a great improvement of the common "Tricolor." Per pkt. 5c.

AMPELOPSIS

180 Veitchii (Boston or Japan Ivy), the finest and most popular perennial climber for covering stone or brick walls, houses, churches, etc., withstanding our rough winter without any protection. The large, light, green leaves turn to a vivid scarlet in the autumn. Per pkt. 10c.

ANTIRRHINUM (Snapdragon)

There are few biennials, which could rival these in beauty and usefulness. They are without question one of the best cut flowers and can be grown without much trouble. Their long, slender spikes with the large flowers of magnificent glowing colorings are exceedingly graceful and a continuous source of pleasure all summer. They succeed best in a sunny position and are not very particular as to soil.

190 Giant Pink Per pkt. 5c. 195 Giant White Per pkt. 5c.

193 Giant Scarlet Per pkt. 5c. 196 Giant Yellow Per pkt. 5c.

194 Giant Striped Per pkt. 5c. 198 Giant Mixed Colors Per pkt. 5c.

199 Collection of five Giant-Flowering Colors Per pkt. 10c.

207 Queen of the North, fine for beds or borders, flowers large, pure white, growing only one foot high. Per pkt. 5c.

208 Tall Mixed Colors, an extra fine strain of beautiful colors. Per pkt. 5c.

209 Dwarf Mixed Colors, of dwarf growth, in a great variety of colors. Per pkt. 5c.

AQUILEGIA (Columbine)

Hardy perennials especially suited for moister locations in the garden, or naturalizing along the edges of woods, shrubbery or under trees. They grow from 1 to 3 feet high; their unique spurred flowers hang gracefully on long, slender stems, and are very desirable as cut flowers for vases. The flowers appear in countless numbers during May and June and are exquisitely colored, ranging through all shades of blue, white, rose or yellow.

220 Canadensis, this is our native species, flowers scarlet and yellow, one of the brightest. Per pkt. 10c.

222 Coerulea (Rocky Mountain Columbine), deep blue and white, one of the best for naturalizing in woods. Per pkt. 10c.

224 Gloiunabola, light blue and white, very large flowers. Per pkt. 10c.

226 Nivea Grandiflora, extra large, pure white flowers, magnificent. Per pkt. 10c.

230 Vulgaris, the common blue variety. Per pkt. 5c.

233 Single Mixed, a large variety of colors. Per pkt. 5c.

239 Double Mixed, a large variety of colors. Per pkt. 5c.

ARABIS

(Rock Cress.)

250 Alpina, one of the very earliest flowerers, a perennial. They are a mass of white as soon as the snow has disappeared especially adapted for borders or the rockery. Their silvery foliage makes them very useful even in summer after they have stopped blooming. Per pkt. 5c.
ASPARAGUS

260 Pluminosa paniculata, the most graceful of the climbing Asparagus, with foliage as fine as thread. Young plants are now generally used for cuttings, and its usefulness as a house-plant growing under almost any conditions is unrivaled. They are excellent for cutting, and should specially be missed in a conservatory. Per pkt. 25c.

262 Sparganium (Emerald Feather) an equally desirable plant either for the house, in hanging baskets or vases for outdoors in a summer house or conservatory in winter. The fronds or shoots when cut are indispensable for finer decoration, and will last a long time; readily raised from seed. Per pkt. 10c.

ASPERULA

270 Azara acuta, a very graceful little annual, growing about nine inches high and of easiest culture. The plants are completely covered during the summer with small light lavender, blue fragrant flowers; they are excellent for edging along walks. Per pkt. 5c.

ASTERS

It is needless to dwell upon the beauty and usefulness of this, perhaps the best known annual, and we can hardly realize a garden, however small, without at least a few of these queens of our summer flowers. Their popularity is partly due to the ease with which they are raised and to the vigorous growth and easy success with which they repay the flower lover. By planting the different varieties flowers may be had from July till late in September.

They like a rich soil mixed with thoroughly decomposed manure, and may be sown any time from April till June in the open, or for early flowering sow in pots, flats or cold frames, transplanting them to the open as soon as weather permits.

Our strains of the various kinds are selected with great care and are the best that can be procured.

**CHINA ASTERS.**

240 Double Mixed, a mixture of many different kinds of various colors. Oz. 50c. Per pkt. 5c.

**COMET ASTERS.**

A very beautiful class of Asters, resembling the Japanese Chrysanthemum with their long wavy and twisted petals, which are gracefully formed into a loose yet densely double half globe. Growing 1½ inches high and bloom in August.

230 Carmine Per pkt. 10c.
231 Dark Blue Per pkt. 10c.
232 Light Blue Per pkt. 10c.
233 Light Pink Per pkt. 10c.
234 White Per pkt. 10c.
235 Mixed Per pkt. 10c.
236 Collection of the 5 colors ... 40c.

**GIANT COMET ASTERS.**

Similar to the above, but with larger flowers, height 20 inches, blooms in August.

300 Giant White Per pkt. 10c.
301 Giant Mixed Per pkt. 10c.

**DAYBREAK ASTER.**

310 A most beautiful branching Aster, growing 2 feet high, flowers large and double, with slightly incurved petals on long, stiff stems, giving the plant a striking appearance. Their rose shell pink perfect flowers appear during August in great abundance, desirable of a prominent place in every garden. 10c.

312 Hercules Per pkt. 25c.

**LAVENDER GEM ASTER.**

320 A variety of the Comet type, with very large and long loosely arranged petals, forming a most decorative flower. They grow about 2 feet high, bearing their beautiful clear lavender blooms on long slender, yet stiff stems, a jewel among asters, blooms in August. Per pkt. 20c.

**OSTRICH FEATHER ASTER.**

330 A magnificent class of Asters belonging to the Comet class. The flowers are similar to the Comet, but have longer and broader petals, and free flowering, 15 inches high, bloom in August.

331 Light Blue Per pkt. 10c.
332 Pink Per pkt. 10c.
333 White Per pkt. 10c.
334 Mixed Per pkt. 10c.

**PARONY PERFECTION ASTERS.**

A very stately class of Asters, with large flowers, the petals of which are incurved, forming a perfect globe. Height 20 inches, bloom early in August.

340 Crimson Per pkt. 10c.
341 Light Blue Per pkt. 10c.
342 Dark Blue Per pkt. 10c.
343 Pink Per pkt. 10c.
344 White Per pkt. 10c.
345 Mixed Per pkt. 10c.
346 Collection of the 5 colors ... 40c.

QUEEN OF THE MARKET ASTERS.

This is the earliest flowering Aster and the one with which success is absolutely certain. They are fully three weeks earlier in bloom than any other and produce their large, well-shaped flowers on long, wiry stems; very valuable for cutting; 18 inches high, bloom in July.

Per pkt. 10c.

370 Crimson ... 5c.
371 Dark Blue ... 5c.
372 Light Blue ... 5c.
373 Mixed ... 5c.
374 Collection of the 5 colors ... 20c.

**PURITY ASTERS.**

360 This is the same in every way to the Daybreak Aster, being of the same symmetrical growth, but of a pure glistening white instead of pink. Per pkt. 10c.

**SEMPLE'S LATE BRANCHING ASTERS.**

A very superior late flowering Aster, extending the Astor season almost till frost. Their flowers are large and loose, borne in greatest abundance on long, wavy stems. The plants form a strong growing bush, 2 to 2½ feet high, the most valuable Aster for cutting, blooms in September.

Per pkt. 10c.

390 Crimson ... 10c.
391 Dark Blue ... 10c.
392 Light Blue ... 10c.
393 Mixed ... 10c.
394 Collection of the 5 Colors ... 10c.

Peytone Perfection Aster.
AURICULA
(Primula auricula.)
A well-known half-hardy perennial, a great favorite especially in England, the bright beautiful colored flowers growing in clusters appear in the early spring in greatest profusion.
460 Mixed Colors. Saved from a superior strain. Pkt. 5c.

BALSAM
(Lady Slipper.)
An old-fashioned annual and great favorite with flower-lovers. They grow to perfection even in poor soil, making a stately and strong bush whose branches are closely set with brilliant-colored double camelia-like flowers. They bloom from July till frost, but should not be sown before the weather is fully settled, as they are very susceptible to cold.

BEGONIAS
These are among our most beautiful and floriferous tender perennials, and are very valuable for bedding, especially where they can be benefited with a partial shade during the afternoon. The "Semperflorens" class bear innumerable small flowers, often completely hiding the plant, while the flowers of the "tuberous-rooted" section are very large and of fairly dazzling colors. They should be sown inside, the sooner the better, and transplanted into small boxes or pots when large enough. After the weather has settled they may be planted outside.
490 Semperflorens "Vernon," rosy carmine flowers, best for bedding, 10 cents.
496 Semperflorens, Mixed Colors. This mixture contains all the best varieties, ranging in color from white to crimson, 10c.
497 Tuberous Rooted, Single, Mixed. 25c.
498 Tuberous Rooted, Double, Mixed, 25c.

BELLIS PERENNIS
(English Daisy.)
A charming hardy perennial, which produces its beautiful, double, bright colored blossoms in a bewildering profusion from the earliest spring till almost July. It is especially adapted for edging, growing only about 4 inches high.
500 Longfellow, large double pink flowers, 10c.
507 Snowball, extra large pure white flowers, 10c.
508 Mixed Colors; all colors, including crimson, 10c.
CALCEOLARIA
Greenhouse plants producing in greatest profusion slipper-shaped, spotted and beautiful colored flowers; great favorites for decorating houses or conservatories. Our strains are absolutely the best procurable. Per Pkt.
520 Giant Self-Colors, Mixed 25c.
522 Giant Spotted and Tigered, Mixed 25c.

CALENDULA
(Pot Marigold.)
Charming, old-fashioned annuals which will grow in any soil and will keep on blooming all summer. The flowers are large, varying in the different shades of yellow and orange. They should be sown right in the open border, where they are to remain; also good for pots.
540 Meteor, large, deep yellow, petals bordered orange Per pkt. 5c.
544 Pure Gold, pure golden yellow Per pkt. 5c.
546 Ponge fl. pl. creamy white Per pkt. 5c.

CALLIOPSIS
It would be very difficult to find among the annuals another plant of such exceeding gracefulness and so desirable. It grows from one to two feet high and blooms in a marvelous abundance. The flowers are medium sized, with very bright colors, appearing singly on long, wiry, branching stems. They are excellent for cutting and should have a place in every garden.
550 Coronaria. Large, pure yellow flowers, very showy and fine for bedding Per pkt. 5c.
551 Bicolor Nana. Per pkt. 20c.
552 Drummondii (Golden Wave). Large golden yellow, with chestnut brown middle; of innumerable quantity. A solid bed of this will be a slight never to be forgotten. Per pkt. 5c.
555 Nigra speciosa. Dark, rich crimson, very beautiful. Per pkt. 5c.
557 Funicular. Large golden yellow, with a garnet eye. Per pkt. 5c.
558 Mixed. A mixture of many choice varieties. 25c. per oz.; per pkt. 5c.

CAMERBURY BELLS
(Cup- and Saucer).
Calycantho (Cup and Saucer). One of the most valuable, with large flowers, resembling a cup and saucer. Per Pkt.
540 Blue 30c.
546 Rose 30c.
547 White 30c.
548 Mixed 30c.
559 Collection of the 3 Colors 30c.
571 Single, Mixed 5c.
573 Double, Mixed 5c.
581 Persicifolia grandiflora, mixed (Peach Bells). One of the finest of the hardy Bellflowers, growing 2 to 3 feet high; large blue and white flowers. Per pkt. 10c.
583 Pyramidalis, Mixed (Chimney Bellflowers). A grand plant, with tall spikes of beautiful large, bell-shaped blue and white blossoms; 3 feet. Per pkt. 5c.

Canary-Bird Vine
A very quick-growing, graceful climber, belonging to the Nasturtium family, the flowers of which bear a resemblance to a canary bird with its wings expanded. Per pkt. 5c.

CANDYTUFT
(Bells.)
A well-known annual grown in large quantities by florists for cut-flower purposes. They should be sown right in the open border, 604. Empress. Large, pure white flowers, campanula-like growth. 6c. 30c.
583 Carnation 5c.
584 Lavender 5c.
581 White Bells 5c.
583 Mixed Colors 5c.

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583 Carnation 5c.
584 Lavender 5c.
581 White Bells 5c.
583 Mixed Colors 5c.

CANNA
(Indian Shot.)
Canna are undoubtedly the grandest bedding plant for our climate. Seeds should be soaked in water before sowing.
510 Large Flowering, Mixed. Many different colors. 5c.
CARNATIONS

These deliciously scented plants are general favorites with all and few there are indeed who do not know them. They are fine for bedding and excellent for pots or during the winter, when a single flower will fill the room with its spicy odor.

MARGERITE CARNATIONS.

A very desirable class which will bloom within eight weeks after planting, remaining in bloom way into the frost. A choice assortment of colors, 5c.

CELOSIA

Cristata or Cocksecomb Varieties.

A desirable annual with flower stands resembling the cock's comb, of very easy cultivation.

640 Glasgow Prize. Very large crimson comb.................. 10c.

646 Dwarf Mixed. A mixture of all colors........................ 5c.

PLUMOSA OR FEATHERED VARIETIES.

Very beautiful ornamental plants, making a striking appearance.

650 Golden Flame. Bright golden yellow, very brilliant, 10c.

655 Thompsoni. Of stately pyramidal growth, with bright crimson plumes and bronze foliage, making a wonderful contrast, 10c.

658 Thompsoni magniflora. Similar to the above, but containing a large variety of the richest colors. Indeed, they must be seen to be appreciated; in no other plants are colors of such brilliancy, 10c.

659 Mixed Colors ........................................ 5c.

CERASTIUM

(Snow in Summer.)

660 Tomentosum. A beautiful dwarf hardy perennial, suitable as an edging plant, and when in bloom covers the ground with a white sheet, 10c.

CORNFLOWERS (Centauraea Cyanus).

682 Blue. Dark blue, Oz. 25c........ 5c.

688 Mixed Colors. Oz. 25c........ 5c.

DUSTY MILLERS OR WHITE-LEAVED CENTAUREAS.

Largely used for bedding, hanging baskets or vases. They are very effective for edging.

663 Candidissima. Silvery white with broadly cut foliage, 10c.

662 Gymnocalcar. The foliage of this variety is much finer cut, 10c.

CHRYSANTHEMUM

700 Frutescens (Paris Daisy or Marguerite). Tender perennial; pure white, fine for winter blooming, 10c.

701 Frutescens "Comtesse de Chambord." Same as above, but yellow, 10c.

702 Japanese Mixed. Saved from the finest double flowers, 20c.

705 Maximus (Moonpenny Daisy). Hardy perennial; with large, pure white flowers and yellow center, 10c.

706 Shasta Daisy. The largest of all the Moonpenny Daisies, of a pure glistening white, 20c.

707 Single Annual Mixed. They are among our best garden flowers, blooming in the greatest profusion, 5 cents.

708 Double Annual Mixed.................. 5c.

Shasta Daisy.

Marguerite Carnation.
CINERARIA
A well-known greenhouse plant, producing its beautifully colored flowers in large broad panicles in greatest abundance. A well-grown plant in full bloom, with its intense coloring, will attract attention from everyone. Our strain comes from the best European specialists. Per Pkt.

- Large Flowering Gold Medal Dwarf Mixed — 25c.
- Large Flowering Gold Medal Tall Mixed — 25c.
- Polyantha (stellata) (Star Cineraria). Large spreading pendants two feet high, with innumerable starry flowers of gorgeous colors; they are the most showy plants for decorative purposes, 25c.

CLARKIA

COBAEA
(Cups and Saucers Vine)
A rapid growing climber, very valuable for covering porches, trellises, tree-trunks, and will cling to any rough surface. The seed should be sown in open ground after weather is settled, 5c.

COLEUS
(Flame Nettle)

CONVOLVULUS
(Morning Glory)
The old favorite, fast-growing climber which we meet in every garden; is satisfied with any soil and any position, producing its glorious and bright flowers in great masses. Pkts. 5c.

COREOPSIS

COWSLIP (Primula Veris)

DATURA
(Trumpet Flower)

CYCLAMEN
(Persian Violet)
A very attractive plant for pots for winter or spring blooming. They can only be raised successfully in frames or greenhouses, forming a dwarf tuft of splendidly marked foliage above which the elegant flowers appear in countless numbers. Four strains are from the best noted European specialists, and cannot be surpassed.

- Giant Blood Red — 25c.
- Pink — 25c.
- Rubin — 25c.
- Salmon — 25c.
- Pure White — 25c.
- White with Carmine Eye — 25c.
- Mixed Colors, Ordinary Large Flowering type — 25c.
- Papilio or Butterfly. The petals of this type are gracefully fringed and waved, making them exceedingly beautiful, 10c.

Cypress Vine.
DAHLIA

They are too well known to need any further description. They can easily be raised from seed sown in the open ground during the early part of May, and will bloom almost as early as those planted as roots or plants.

810 Colleter, a new type, having a row of different colored short petals like a frill or collar around the disc. Per pkt. 15c.

811 Giant Perfection Mixed, a very large flowering single strain of beautiful color combinations. Per pkt. 15c.

812 Tom Thumb Mixed, very dwarf and compact, fine for planting in masses. Per pkt. 10c.

813 Colossal, Pkt. 5c.

814 Single Mixed, different kinds. Per pkt. 5c.

816 Large Flowering Double Mixed. Per pkt. 10 cents.

818 Large Flowering Double Caeruleum Mixed, from a very choice strain. Per pkt. 10c.

DELPHINIUM

(Larkspur.)

Under this heading we list the hardy perennial Larkspur, which, with their magnificent bright-colored flower stands, make such desirable plants for the hardy border. They are unsurpassed as cut flowers for vases, and we know of no other plants where the blue coloring is of such intensity.

$30 Chinense, a beautiful variety, with colors varying in the different shades of blue, 24 inches. Per pkt. 5c.

$31 Chinense Album, white. Per pkt. 10 cents.

$32 Elatnun (Blue Larkspur), various shades of blue with dark center, 3 to 5 feet high. Per pkt. 10c.

$34 Formosum, a grand variety of silvery, rich blue with a white center. Per pkt. 5c.

$34 Formosum Cecileum, the finest. Per pkt. 10c.

$47 Hybridum Single Mixed. Per pkt. 5c.

$48 Double Mixed. Per pkt. 10c.

DIGITALIS

(Foxglove.)

Very showy hardy perennials sending up tall spikes surrounded by long pending bell-shaped flowers, giving the plant a most ornamental appearance. They are excellent for planting in masses, naturalizing on sloping terraces or near shrubbery.

$80 Gloxiniaeflora Mixed, a fine selected, large flowering strain. Per pkt. 10c.

$88 Purpurea Mixed. Per pkt. 5c.

DOLICHOS (Hyacinth Bean)

A splendid quick-growing climber, producing long sprays of lavender, purple or white flowers, followed by dark shining seed pods, which with the bronze foliage make a beautiful combination.

$90 Blue, violet purple to lavender. Per pkt. 10c.

$91 White, a new white variety introduced from Japan. snow white, beautiful. Per pkt. 10c.

$95 Mixed Colors, the above 2 colors in mixture. Oz. 15c. Pkt. 5c.

DRACAENA

(Dragon Plant.)

Beautiful ornamental-leaved plants, fine for vases and house decoration.

$90 Australis, broad leaves. Pkt. 10c.

$92 Indivisa, narrow foliage. Pkt. 10c.

ESCHSCHOLTZIA

(Californi Poppy.)

Charming annuals, with bright glorious colors like gold, bloom in greatest profusion, their foliage is finely cut of light green. They should be sown in the open border in May and will keep in bloom the entire summer.

$20 Mandarine, rich orange on the inner side and bright scarlet outside. Pkt. 5c.

$27 Single Mixed, all colors. Oz. 5c. Pkt. 5c.

$28 Double Mixed, all colors. Oz. 10c. Pkt. 5c.
GLOXINIA

Glycinia, regular Pkt. superb

Gilliardia Grandiflora

Globe Amaranth.

GODETIA

A beautiful annual, forming regular dwarf bushes, covered completely with bright showy flowers of various colors.

Lady Satin Rose, deep rose pink flowers... Pkt. 5c.

Mixed Colors... Pkt. 5c.

GOURDS

Very ornamental, rapid growing climbers, suitable for covering arbors, fences, porches, etc., producing fruits of the most various and often very grotesque shapes.

Disk Rag or Sponge... Pkt. 5c.

Calabash or Dipper... Pkt. 5c.

Egg-shaped, white like an egg... Pkt. 5c.

Hercules Club, 4 feet long, club-shaped... Pkt. 5c.

Orange (Mock orange)... Pkt. 5c.

Pear, striped... Pkt. 5c.

Pomegranate, very long and twisted... Pkt. 5c.

York's Turban, striped with red... Pkt. 5c.

Sugar Trough... Pkt. 5c.

Mixed Kinds... Oz. 25c.

Collection of the 9 Sorts... Gc.

GREVILLEA

(Silk Oak).

Holustus, very ornamental and graceful decorative plant, nice for the center of a table, very effective. Pkt. 10c.

GRASSES

Ornamental Grasses used in the proper proportion will help to make large groups of flowering Cannas, Caladiums, etc., effective, and planted by themselves will make a striking appearance.

Colx Lachrymae (John's Tears), broad leaves, bright shining seeds like pearls. Oz. 15c. Pkt. 5c.

Pennisetum longisetum, long graceful, greenish white plumes, fine for bouquets. Pkt. 5c.

Ruppellianum (Purple Fountain Grass), beautiful, graceful purple plumes, most effective for planting in mixed beds or by itself. Pkt. 10c.

GYPSOPHILA

Very floriferous plants, bearing thousands of minute white flowers on long branching stems, forming a regular network of little flowers, they are admirable for cutting to be mixed with bouquets. Grow very easily from seed.

Elegans Mixed, annual... Pkt. 5c.

Pamphilus (Baby's Breath), hardy perennial... Pkt. 5c.

HELIANTHUS

(Sunflower.)

Flowers are very showy and can be used for hiding unsightly corners, etc. Should be sown in the open ground in May.

Gloconilus Fistulosus (Miniature Sunflower), small single flowers, 3 to 4 feet, yellow with dark disc... Pkt. 5c.

Double Mixed Colors... Pkt. 10c.

Gloconilus Pistulons, very large and double... Pkt. 5c.

Nana 8 pl. double... Pkt. 5c.

Perennials Mixed Varieties, a mixture of nice single flowering hardy kinds... Pkt. 10c.

THE HENRY PHILIPPS SEED AND IMPLEMENT CO.
HELCRYSPUM (Straw Flower).
Charming annual with "Everlasting" flowers with bright colors and shape of an Aster. Sow outdoors in May where they will get plenty of sun.

1976 Giant Double Mixed. Per pkt. 5c.

HELIOPSIS (Orange Sunflower).
Effective, hardy perennial, growing four feet high; flowers resembling a small sunflower, of beautiful deep golden yellow with dark center. Appear in great masses in July.

1907 Mixed Colors. Per pkt. 5c.

HELIOTROPE (Cherry Pie).
A tender perennial, which produces its delightful vanilla-scented flowers throughout the whole year. The small flowers are borne in clusters; very desirable as cut flowers. Sow outdoors in early May or start in the house or cold frame for transplanting outside by approach of warm weather.

1925 Mixed Colors. Per pkt. 5c.

IPOMOEA.
Brazilian Morning Glory (Ipomoea Setosa), a very desirable climber, makes a thick dense growth, and is brilliant with an endless profusion of rose-colored flowers, with a satiny pink star in each.

1100 Grandiflora (Moon Flower). A well-known plant, unfolding its large, pure white, sweet-scented flowers after sundown, very interesting to watch; grow very quickly and will cover a large surface within a few weeks, 10c.

1165 Imperialis (Japanese Morning Glory), of all the different climbing plants these take first rank. The best of all the Morning Glories, and of easy cultivation. Sow the seed outside in early May, after soaking for a day in tepid water. They will soon cover a large surface and glory every morning with most magnificent flowers of exquisite colors and gigantic size. Some are deep, rich, velvety; other daintily tinted and shaded from rose to crimson, light blue to purple, snowy white to gray, blotted and streaked. Oz. 25c.; pkt. 5c.

1166 Rubro-coerulea. Immense flowers, sky-blue. 10c.

KOCHIA.
(Standing Cypress or Belvidere).
1188 Hybrid Mixed. A half-hardy, perennial greenhouse plant, well suited for bedding. The musk-scented flowers are produced in large umbels in countless numbers, their coloring being of quite distinct tints of red, orange, rose, or white. Pkt. 10c.

LANTANA.
A charming annual, with long spikes of magnificent flowers and graceful fern-like foliage. (For hardy Larkspur, see Delphinium.)

1195 Dwarf Rocket. Pkt. 5c.

LARKSPUR.
A charming annual, with long spikes of magnificent flowers and graceful fern-like foliage. (For hardy Larkspur, see Delphinium.)

1195 Dwarf Rocket. Pkt. 5c.

TALL STOCK FLOWERED.

1200 Dark Blue .5c. 1204 Lilac .5c.
1201 Light Blue .5c. 1202 White .5c.
1203 Light Pink .5c. 1204 Mixed Colors .5c.
1205 Collection of the 4 colors .15c.
LATHYRUS (Hardy or Everlasting Sweet Pea)
A favorite perennial climber for covering fences or trellises; also useful for the rockery, with bright flowers appearing in clusters of from 4 to 6 to a stem.
1219 Lathyrus, purplish red...5c. 1221 Latifolius, white...Pkt. 5c.
1220 Pink Beauty, bright pink...5c. 1228 Mixed Colors. Oz. 30c......5c.

LAVENDULA (Lavender)
1230 Vera, a sweet-scented, hardy perennial, of delicious fragrance; an old-fashioned plant; should be in every garden. Oz. 20c. Pkt. 5c.

LINUM (Flax)
1240 Grandiflorum rubrum (Scarlet Flax), a showy annual, growing about 15 inches high, with brilliant scarlet flowers on long slender stems. The foliage is very fine, making a very graceful plant. Pkt. 5c.

LOBELIA
The annual varieties of this invaluable bedding plant are very important for design planting, hanging baskets, window boxes or pots, blooming in a marvelous profusion the entire season. Annual kinds are very imposing and should be in every hardy border.
1250 Lobelia Emperor William, very compact, bright blue...Pkt. 5c.
1252 Spectabilis (Crystal Palace), deep blue, dark foliage, trailing...Pkt. 5c.
1256 Dwarf Mixed Kinds. Pkt. 5c.
1257 Lobelia Compacta, fine, rich blue, very compact...Pkt. 10c.
1260 Lobelia Cardinalis (Cardinal Flower), a tall growing kind, 3 feet high, with large crimson scarlet flowers...Pkt. 10c.

LOPHOSPERMUM
1270 Senecio, a beautiful annual climber, very ornamental, with rose-purple gioxinu-like flowers. Pkt. 10c.

LUPINUS (Lupins)
1280 Annual Mixed, stately free-flowering annuals, doing well in a sandy soil, with long, graceful spikes of various colored pea-shaped flowers encircling the stems; a beautiful plant. Oz. 25c. Pkt. 5c.

LYCHNIS
1290 Chalcedonica (Jerusalem Cross). Magnificent hardy perennial, for naturalizing in low places and exceedingly ornamental in the hardy border, growing from 2 to 4 feet tall and surmounted with a big bouquet of brilliant scarlet cross-shaped flowers. Pkt. 5c.

LUCERNE
1300 Lucerne, white. Pkt. 10c. 1305 Sow in a rich soil, and allow plenty of room for growth.

MAHONIA
1310 Replica, a very graceful perennial, very hardy and heat resistant, a favorite for shrubbery. Pkt. 5c.
1311 Variegated. Pkt. 5c.

MAJESTY
1312 Majesty. Pkt. 5c.

MALVA MOSCHATA
1330 Lavatera, Lavatera. Pkt. 5c.

MALVA (Mallow)
1340 Malva. Pkt. 5c.

MARIGOLD
Old-fashioned favorites and unsurpassed for usefulness by any other annual. The freedom with which they produce their odd-colored, bright flowers, standing out boldly from the fresh green, makes them indispensable in any garden.
1350 African El Dorado, very large and double, all shades of yellow. Pkt. 5c.
1351 Pride of the Garden, immense flowers, golden yellow, 15 to 18 inches high. Pkt. 5c.
1358 Mixed Colors. Pkt. 5c.
1359 Golden Temple. Pkt. 5c.
1355 Legion of Honour (Little Brownsie), a single and very dwarf compact variety, deep golden yellow with a large spot of crimson velvet. Pkt. 5c.
1356 French Mixed Colors, many varieties in mixture. Pkt. 5c.
1357 Collection of the four named varieties. 15c.

MATRICARIA
1390 Capensis f. pl. (Double White Feverfew.) A very beautiful perennial, producing thousands of small white flowers, burying the plant under a sheet of white, good either for culture in the open border or for pots. Pkt. 10c.

MAURANDIA
A very graceful climber, much used by florists for filling vases, window boxes or hanging baskets, blooming from June till frost.
1359 Mauritania, purple...Pkt. 10c. 1360 Mixed Colors...Pkt. 5c.

MESEMBRIANTHEMUM
1360 Crassulina (Ice Plant), a favorite for hanging baskets or pots, small white flowers with thick grey foliage. Pkt. 5c.
1362 Telecolor (Wax Plant), large brilliant flowers overlaid with a crystal sheen. Pkt. 5c.

MEGALANTHEMUM
1370 Megalantemum. Pkt. 5c.

MIGNONETTE (Reseda)
A great favorite with all flower lovers on account of its delicious fragrance. Sowing should be made early in spring and again in August, so as to have a succession of bloom the whole season.
1376 Mignonette. Pkt. 10c. 1376 Sow in a rich, fertile soil with plenty of peat moss mixed in. 1376 Meguglet. Pkt. 5c.
1380 Sweet Scented. Small flowers, but very sweet. Oz. 15c. 1381 Collection of the seven varieties. 15c.

MIMULUS
1383 Large Flowering Pyramidalis. A good red variety. Oz. 25c 15c.
1384 Sweet Scented. Small flowers, but very sweet. Oz. 15c. 15c.
1385 Collection of the seven varieties. 15c.

MOUNTAIN LILY
1390 Mountain Lily. Pkt. 5c.

MUCUNUS
1393 Large Flowering Pyramidalis. A good red variety. Oz. 25c 15c.
1394 Sweet Scented. Small flowers, but very sweet. Oz. 15c. 15c.
1395 Collection of the seven varieties. 15c.
MIMOSA
1400 Pudica (Sensitive or Humble Plant). An ornamental annual with pinkish-white flowers, curious and interesting on account of the foliage closing and dropping when touched, 5c.

MIMULUS
1410 Moschatus (Musk Plant). A perennial of dwarf creeping habit, with light green leaves and small yellow flowers; the foliage is very fragrant, 5c.

1412 Tigrinus (Monkey Flower). A pretty annual, producing its large, various colored flowers in greatest profusion throughout the summer, 5c.

MENA
1420 Lobata. One of our best half-hardy climbing plants, producing its long, narrow, crimson to orange flowers in countless numbers; exceedingly effective, 10 cents.

MIRABILIS
(Marvel of Peru, or Four-o’clock.)
1430 Jalappa Mixed. An annual which should be planted in every garden. They grow under any conditions, in any kind of soil, and are covered with a marvelous quantity of bright, sweet-scented flowers. Per oz. 15c.—5c.

MOMORDICA
An annual climber covering a large surface in a very short time, especially suited to hide old barns or other unsightly places. They are very effective, when the ripe golden yellow fruits open and show the shining seed and their brilliant crimson interior.
1440 Balsamina (Balsam Apple) 5c.
1441 Charantia (Balsam Pear) 5c.

MUSA ENSETE
(Abyssinian Banana.)
1450 Undoubtedly our most majestic and tropical-looking foliage plant, of very striking effect through its long, broad leaves, be it planted by themselves or in groups with old plants. It attains immense proportions in our hot summers, when placed in the open sun and planted in liberally manured soil. Seed should be sown early in the house, where heat can be applied, and the plants planted outside about the middle of May, 15c.

NEMOPHILA
(Love-grove.)
1650 Mixed Varieties. A very freely blooming annual, of neat, compact habit; likes a cool and shady place, where it will grow very luxuriantly. May be sown outdoors, latter part of April or early in May, 5c.

MYOSOTIS
(Forget-me-not.)
There are few gardens, indeed, where this old, little, dear favorite is missing. Its bright, pretty flowers blooming in such profusion in spring are well known to every lover of flowers. The Palustris varieties are admirably adapted for naturalizing in moist places.
1460 Alpestris. Bright blue 5c.
1461 Elata Forskohlii (Robusta grandiflora). Very large flowers; blue 5c.
1464 Victoria. Dwarf bushy, large umbels of light blue 10c.
1466 Palustris. The true Forget-me-not; beautiful clear blue, blooming a long time 5c.
1467 Semperflorens. The ever blooming kind; elegant for shady places 10c.
1468 Mixed 5c.

NICOTIANA
1660 Affinis (Tuberoso Flowered Tobacco). A magnificent summer blooming annual, with large, tubular shaped, pure white flowers, delicately scented. They are very suitable for bedding; to be planted in masses, 5c.
1664 Swendens. This beautiful hybrid comes to us from England, and has created a sensation at every show where it was exhibited and was pronounced by all the most strikingly beautiful plant of the year. It forms a much branched plant about two feet high, laden with flowers from base to summit, a simply gorgeous sight with its handsome, carmine, sweet-scented blossoms, of which hundreds may be counted on a single plant. The flower is shorter than in the Affinis sort, it is as easy to grow as the ordinary kind and should be in every garden, 10c.

NIEREMBERGIA
(Cup Flower.)
1670 Frutescens. A half-hardy perennial of slender growth;continuously in bloom; fine for bedding, 10c.

NIGELLA
(Love in a Mist.)
1680 Damascena Double Mixed. A dwarf annual, with finely cut foliage; of easiest cultivation, 5c.

FOR NOVELTIES AND SPECIALTIES IN FLOWER SEED SEE PAGES 43-46.
NASTURTIUM
(Tropaeolum Majus.)

There are no annuals surpassing the Nasturtium in usefulness and beauty. They will thrive luxuriantly in any soil if in a sunny location, and produce their brilliant, sweet-scented flowers in an abundance which is astonishing. Our collections have been selected with great care and special importance has been laid on bright and warm colors and prolific blooming, and we are satisfied that no selection can be any better.

DWARF OR TOM THUMB KINDS.

These are specially suited for bedding, and planted in rows will make beautiful sights when in bloom.

<table>
<thead>
<tr>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450</td>
<td>Aurora. Primrose, veined with carmine pink</td>
</tr>
<tr>
<td>1455</td>
<td>Beauty. Yellow, veined with scarlet</td>
</tr>
<tr>
<td>1490</td>
<td>Chameleon. Various colored flowers on a plant</td>
</tr>
<tr>
<td>1495</td>
<td>Empress of India. Bright crimson; dark foliage</td>
</tr>
<tr>
<td>1500</td>
<td>Golden King. Beautiful golden yellow</td>
</tr>
<tr>
<td>1505</td>
<td>King Theodore. Very deep crimson</td>
</tr>
<tr>
<td>1510</td>
<td>Pearl. Cream white</td>
</tr>
<tr>
<td>1515</td>
<td>Prince Henry. Light yellow, spotted red</td>
</tr>
<tr>
<td>1520</td>
<td>Queen of Tom Thumbs. Scarlet leaves, spotted with white</td>
</tr>
<tr>
<td>1525</td>
<td>Rose. Soft rose</td>
</tr>
<tr>
<td>1530</td>
<td>Vesuvius. Salmon rose, dark foliage</td>
</tr>
<tr>
<td>1535</td>
<td>Finest Mixed Colors. Per ½ lb. 30c.; ½ lb. 50c.; 1 lb. 90c.</td>
</tr>
<tr>
<td>1540</td>
<td>Collection of 10 Varieties. (All with exception of No. 1529). 40c.</td>
</tr>
</tbody>
</table>

TALL OR RUNNING KINDS.

They are elegant for covering fences, trellises, rockery, or trailing over the ground. They should not be planted too close: planted in hills at least two feet apart is close enough.

<table>
<thead>
<tr>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1550</td>
<td>Chameleon. Various colored flowers on the same plant</td>
</tr>
<tr>
<td>1555</td>
<td>Crimson. Very rich color</td>
</tr>
<tr>
<td>1560</td>
<td>King Theodore. Very deep crimson</td>
</tr>
<tr>
<td>1565</td>
<td>Lemon Yellow. Clear yellow, veined red</td>
</tr>
<tr>
<td>1570</td>
<td>Pearl. Creamy white</td>
</tr>
<tr>
<td>1575</td>
<td>Prince Henry. Light yellow, spotted red</td>
</tr>
<tr>
<td>1580</td>
<td>Rose. Soft rose</td>
</tr>
<tr>
<td>1585</td>
<td>Scarlet. Very bright</td>
</tr>
<tr>
<td>1590</td>
<td>Vesuvius. Salmon rose</td>
</tr>
<tr>
<td>1595</td>
<td>Finest Mixed Colors. Per ½ lb. 30c.; ½ lb. 50c.; 1 lb. 90c.</td>
</tr>
<tr>
<td>1599</td>
<td>Collection of the Nine Varieties</td>
</tr>
</tbody>
</table>

LOBBE'S RUNNING NASTURTIUM
(Tropaeolum Lobbianum.)

There is only a slight botanical difference between these and the preceding kinds. The foliage is not as luxurious, but they bloom freer and have very brilliant colors.

<table>
<thead>
<tr>
<th>Pkt.</th>
<th>Oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1609</td>
<td>Brilliant. Dark, rich scarlet</td>
</tr>
<tr>
<td>1620</td>
<td>Regal. Salmon red, changing to cream</td>
</tr>
<tr>
<td>1625</td>
<td>Roi des Noirs. Deep, velvety garnet</td>
</tr>
<tr>
<td>1630</td>
<td>Spitfire. Brilliant scarlet</td>
</tr>
<tr>
<td>1635</td>
<td>Hybrids of Mad. Gunther. A beautiful strain with large flowers of magnificent colors</td>
</tr>
<tr>
<td>1650</td>
<td>Finest Mixed Colors. Per ½ lb. 40c.; ½ lb. 75c.; 1 lb. $1.25</td>
</tr>
<tr>
<td>1659</td>
<td>Collection of the Six Varieties</td>
</tr>
</tbody>
</table>
PANSIES
(Heart's Ease)

The Pansy Seed Crop almost a total failure this season.

The Pansy is another one of those universal favorites, highly prized by all. Their colors are so various that every known shade seems to be among them. They are some of the first flowers to bloom in the early spring and a bed of them, with its many different colors, will be one of the prettiest sights in the garden. For spring blooming they should be sown in the fall and protected slightly during the winter, or they may be sown very early in cold frames; for summer blooming sow in spring and plant out where they will have protection from the afternoon sun. They delight in a rich soil.

LARGE-FLOWERED PANSIES IN SEPARATE COLORS.

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Color</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1760</td>
<td>Cardinal</td>
<td>The best bright red</td>
<td>10c.</td>
</tr>
<tr>
<td>1765</td>
<td>Emperor William</td>
<td>Deep navy blue</td>
<td>10c.</td>
</tr>
<tr>
<td>1770</td>
<td>Dr. Faust</td>
<td>Jet black, very velvety</td>
<td>10c.</td>
</tr>
<tr>
<td>1775</td>
<td>Gold Edged</td>
<td>Chestnut brown, edged with gold</td>
<td>10c.</td>
</tr>
<tr>
<td>1780</td>
<td>Light Blue</td>
<td>A beautiful, clear color</td>
<td>10c.</td>
</tr>
<tr>
<td>1785</td>
<td>Lord Beaconsfield</td>
<td>Upper petals light blue to white; lower petals deep blue</td>
<td>10c.</td>
</tr>
<tr>
<td>1790</td>
<td>Peacock</td>
<td>Blue, claret and white</td>
<td>10c.</td>
</tr>
<tr>
<td>1795</td>
<td>Snow Queen</td>
<td>Pure white</td>
<td>10c.</td>
</tr>
<tr>
<td>1790</td>
<td>Striped and Mottled</td>
<td>A beautiful combination of colors</td>
<td>10c.</td>
</tr>
<tr>
<td>1795</td>
<td>White with Dark Eye</td>
<td></td>
<td>10c.</td>
</tr>
<tr>
<td>1797</td>
<td>Yellow with Dark Eye</td>
<td></td>
<td>10c.</td>
</tr>
<tr>
<td>1797</td>
<td>Yellow Gem</td>
<td>Pure, deep yellow</td>
<td>10c.</td>
</tr>
<tr>
<td>1799</td>
<td>Collection of the Twelve Colors</td>
<td></td>
<td>$1.00</td>
</tr>
<tr>
<td>1800</td>
<td>Andromeda</td>
<td>Apple blossom</td>
<td>25c.</td>
</tr>
</tbody>
</table>

GIANT TRIMARDEAU PANSIES IN SEPARATE COLORS.

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Color</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1775</td>
<td>Emperor William</td>
<td>Deep navy blue</td>
<td>10c.</td>
</tr>
<tr>
<td>1770</td>
<td>Fire King</td>
<td>Purple and Gold</td>
<td>10c.</td>
</tr>
<tr>
<td>1775</td>
<td>King of the Blacks</td>
<td></td>
<td>10c.</td>
</tr>
<tr>
<td>1780</td>
<td>Striped and Mottled</td>
<td>Magnificent colors</td>
<td>10c.</td>
</tr>
<tr>
<td>1785</td>
<td>White with Purple Eye</td>
<td></td>
<td>10c.</td>
</tr>
<tr>
<td>1799</td>
<td>Yellow with Black Eye</td>
<td></td>
<td>10c.</td>
</tr>
<tr>
<td>1799</td>
<td>Collection of the Six Colors</td>
<td></td>
<td>50c.</td>
</tr>
<tr>
<td>1807</td>
<td>Giant Trimardeau Mixture</td>
<td></td>
<td>10c.</td>
</tr>
</tbody>
</table>

PANSIES IN MIXTURE.

1805 Gold Medal Mixture. The markings and colorings of this strain are marvellous, composed of shades of brown, black, bronze, canary, chocolate, light blue, violet, indigo, orange, yellow, garnet, chestnut, marbled and mottled, white, striped, edged and blotched; and we are confident that they will give the best satisfaction. Their texture is firm; of round, perfect form, and remarkable for freedom of bloom. This mixture is the result of a lifelong experience and we doubt if any better can be purchased. 1½ oz. $1.25. Pkt. 50c.

1807 Giant Trimardeau Mixture. This class of Pansies has been perfected to its present high standard after years of careful selection. They are very luxuriant in their growth, producing very large spotted flowers, the colors of which are remarkable for their warmth and purity. For bedding in mixture or planting in rows in separate colors, they are the most effective. They are well adapted for our trying climate. ½ oz. 40c.; pkt. 10c.

1809 Giant-Flowered Parisian Mixture. This class is distinguished by its magnificent colors and markings. They usually have a large dark blotch on each petal, surrounded by a broad band of contrasting color, while a lighter netting is thrown over the entire flower. The size of the blossom is tremendous; flowers measuring 3½ inches in diameter are by no means rare. ½ oz. 25c.; pkt. 10c.

1811 Bugnot's Giant Mixed. Another remarkable strain, showing deep, irregular blotches on each petal, surrounded by a lighter band, which is again edged by a ribbon of a dark color. The edges are slightly frilled and fluted. The colors are soft and odd, presenting novel and striking combinations. ½ oz. $1.00; pkt. 35c.

1813 Large-Flowered Mixed. A fine mixture of Pansies of medium-sized flowers; fine for growing in masses. ½ oz. 25c.; 1 oz. $1.00; pkt. 5c.
PETUNIA

A garden without these favorites could hardly be called complete; there are few which equal them for effect. They commence blooming in July if sown outside in May, and continue to flower in great masses until destroyed by frost. Their culture is the most simple; any soil seems to suit them, while of course, a good rich earth adds greatly to the richness of color. The various strains which we offer have been obtained from specialists, and we are confident that they will give satisfactory results. For early blooming sow early in the house and cultivate in small pots or flats till the weather has settled.

1850 Gold Medal Single Fringed. Saved from the finest marked and largest flowers; beautifully fringed, of long, deep throat and mantles, produced May, 25c.

1852 Gold Medal Double Fringed. Like the preceding, but very double, forming perfect balls, often resembling a double carnation-flowered Poppy, 50c.

1854 Giants of California. Giant flowers of striking colors and markings, with deep yellowish veined throats, 25c.

1855 Howard's Star. A beautiful, full-flowering strain; color a deep purplish crimson with a plainly defined large white star over the flower, 15c.

1862 Inimitable Mixed (Star Petunia). A dwarf, compact growing variety of various colors, with a star of lighter color over the flower, 10c.

1863 Striped and Blotched. A very floriferous strain of medium large flowers, striped and blotched irregularly; very effective, 2c.

1868 Fine Mixed. Very fine for massing, producing flowers in greatest profusion, 5c.

1869 Adonis. Carmine, white throat, 10c.

PASSIFLORA

(Passion Flower)

1820 Mixed. A beautiful half-hardy perennial climber, with large, magnificently colored flowers, produced abundantly throughout the season, 10c.

FOR SPECIALTIES AND NOVELTIES OF FLOWER SEEDS
SEE PAGES 43-46.

PERILLA

1840 An annual plant with dark-brown foliage, cut and frilled at the edges, giving the plant a very ornamental appearance. It is largely used for bordering off Cannas and other high subjects, 5c.
HARDY PHLOX

(Pholx decaisneta.)
A glorious hardy perennial, widely known and found in almost every collection, producing on long, slender stems: large clusters of bright-colored flowers, continuing to bloom almost the entire season.

1930 Tall Mixed 20c.
1932 Dwarf Mixed 10c.

PLATYCODON

(Chinese Bell Flower.)
A beautiful hardy perennial with large cup-shaped flowers appearing the entire season. They grow very readily from seed and are elegant subjects to plant in the hardy border.

1940 Japanese fl. pl. A new double, very Boriferous variety, 10c.
1945 Mariesi. Large open flower, 10 cents.

POLYANTHUS

(Primula elatior.)
This beautiful little perennial is one of the first to bloom after the snow has cleared away. The sweet-scented flowers are borne in umbels on slender stems seven inches high, and are of soft and pure colors, they delight in a moist and cool position and are fine for naturalizing.

1950 Mixed Colors 10c.

PORTULACA

(Sun Plant.)
One of the brightest annuals, if favored with a sunny spot. They grow in any soil and soon carpet the ground with heavy wax-like growth, opening their flowers of glaring colors on sunny days.

1920 Single Mixed. Oz. 30c. Pkt. 5c.
1925 Double Mixed Pkt. 10c.

PRIMULA (Primrose)

Chinese Primroses.
The Chinese Primroses and the Obconica varieties are the most useful pot plants for blooming in winter, and are not so very particular as to position as long as they receive a few rays of sunlight. Best success will be obtained however, by those who have a cold frame at their command. They should be sown from March till June.

1949 Alba Magnifica. Pure white. 25c.
1942 Chiswick Red. Brilliant scarlet. 25c.
1944 Holborn Blue. Deep lavender. 25c.
1946 Kermesina. Carmine. 25c.
1947 Striped. 25c.
1948 Mixed Colors 25c.

HARDY POPPIES

1900 Nudicaule Mixed (Iceland Poppy). Of dwarf growth, finely cut foliage, with yellow and orange drooping flowers. Pkt. 10c.
1905 Orientale (The Large Oriental Poppy). Large scarlet flowers with big black blotch. Pkt. 10c.

PYRETHRUM

1970 Aureum (Golden Feather). Well-known bedding plant used for borders. Pkt. 5c.
RHODANTHE
(Swan River Everlasting.)
2200 Mixed Colors. A pretty annual everlasting, growing in any soil, preferring a sunny position. Per pkt. 5c.

RICINUS
(Castor-Oil Hemp.)
There are no more ornamental and majestic looking plants among the annuals than the Ricinus. Planted in a shade or along a fence, they impart a tropical appearance, the beauty of which is beyond description, and for solitary plants in the lawn no plant could rival the Zanzibar-cactus variety. Their regular ornamental growth, with the immense, massive foliage, cut with a mathematical precision, cannot be praised too much.
2110 Borbonense arboreum. Growing to a height of 12 feet, very large and beautiful green foliage. Oz. 15c. Pkt. 5c.
2112 Cavadiensis. Large and richly colored leaves, taking different shades as the plant grows; fine for groups. Oz. 20c. Pkt. 5c.
2114 Gibbons. Dwarf growing sort, with deep red foliage; beautiful plant. Oz. 15c. Pkt. 5c.
2117 Zanzibar-cactus Mixed. The most stately of all, should be used as single plant or in a row in a position where high winds do not strike it, but where it gets all sun possible. A soil consisting of half well-rotten manure and half loamy sand will result in gigantic plants. Oz. 15c. Pkt. 5c.
2118 All Sorts Mixed. Oz. 15c. Pkt. 5c.
2119 Collection of the Four Sorts. Oz. 25c. Pkt. 5c.

SCABIOSA
(Mourning Bride Sweet Scabious, Flaxenholon Flower.)
A beautiful annual, growing in almost any soil. The large double flowers are borne on long slender stems, and are of the most magnificent colors. They begin blooming the latter part of July, and continue in the greatest profusion till late in the fall. They make one of the best flowers for vases, and should be in every garden.

LARGE-FLOWERING VARIETIES.
2160 Double Crimson. 15c.
2162 Double Flesh Pink. 15c.
2164 Double Purple. 15c.
2166 Double Scarlet. 15c.
2167 Double White. 15c.
2168 Double Mixed Colors. 20c.
2170 Collection of the 5 Colors. 30c.
2175 Dwarf Double Mixed. All colors. Oz. 25c. 5c.
2176 Camusien. A very handsome, hardy perennial, of tall growth, with lilac-blue flowers. 10c.
2177 Alba, with white flowers. 10c.

SCHIZANTHUS
(Butterfly, or Fringe Flower.)
They are very pretty annuals, having been called "Poor Man's Orchid." They grow very easily from seed sown in the spring, and produce their fantastic and beautifully colored flowers in great masses throughout the season.
2136 Wisetonensis. Forms bushy plants about 18 inches high, literally covered with small orchid-like flowers, which are on white ground dotted with delicate rose, the upper lip showing a big blotch varying between golden yellow, carmine, rose or brown, 20c.
2198 Mixed Colors. A very fine mixture, 5c.

SMILAX
(Myrsiphyllum.)
2210 A beautiful perennial greenhouse climber, much used by florists for decorating; very graceful; of fresh green color, 10c.

SOLANUM
2220 Capsicastrum (Jerusalem Cherry). Makes a most desirable pot plant for the winter, with its numerous cherry-like bright red berries. It is of compact, bushy growth; can be sown from February till April in the house, and may either be grown in the open or in pots during the summer.
2330 Stevia serrata. Free blooming, white flowers, suitable for cutting. Pkt. 10.
SWEET PEAS IN MIXTURE
(For Named Varieties of Sweet Peas see Specialty Page 46.)

Our mixtures of Sweet Peas have been prepared by ourselves out of choice named varieties, and will be found of a superior grade. We do not handle any mixtures bought as "Mixtures" from the growers, and which, harvested as such, will always contain the largest proportion of common and undesirable colors.

2476 Gold Medal Mixture. This grade contains nothing but the most desirable varieties of largest flowers, and the colors are most carefully blended to give the best effect possible. Pkt. 5c.; oz. 10c.; 1 lb. 15c.; 3 lb. 75c.

2478 Eckford's Large Flowering Mixed. In this mixture will be found some of most of the general list, and it will surely give satisfaction. Oz. 5c.; 1 lb. 15c.; 1 lb. 50c.

2479 Collection of a packet each of the "IS Gold Medal" Sorts (see Specialty Page 46), 50c. 1 oz. of each $1.00.

SWEET PEAS MIXTURES IN SEPARATE COLORS.

A good many flower lovers desire to grow Sweet Peas in separate shades, and for those we have made the following mixtures, which we believe will meet with the approval of our friends, and be welcomed by those who like to grow the various shades of red, blue, or white, etc., by themselves.

2481 Lavender and Blue Shades Mixed.
2482 Maroon and Purple Shades Mixed.
2483 Pink and Rose Shades Mixed.

Price. Any of the above 5c. per pkt.; 10c. per oz.; 25c. per ¼ lb.; 75c. per lb.

2487 Collection of 1 ounce each of above colors...

40c.

BUSH SWEET PEAS.

2497. These form a perfect bush; 18 inches high. Are suitable for growing in hedges, also nice when grown in clumps by themselves. If the latter method is employed they should be staked.

Mixed Colors: 5c. per pkt.; 10c. per oz.; 25c. per ¼ lb.; 75c. per lb.

CUPID OR DWARF SWEET PEAS.

2498. These grow only about 8 inches high and are very effective if planted as edgings. They will bloom very profusely and make a very striking appearance, they are also very useful for pots.

Mixed Colors: 5c. per pkt.; 10c. per oz.; 25c. per ¼ lb.; 75c. per lb.

For Named Varieties of Sweet Peas, see Specialty Page 46.

SWEET ROCKET
(Hesperis.)

2510 An old-fashioned hardy perennial growing about 3 feet high, with showy white, lilac or purple flowers, sweetly scented. A good subject for the hardy border. Pkt. 5c.

SWEET WILLIAM
(Dianthus Barbatus.)

A very showy hardy biennial, exceedingly effective when planted in borders or beds. They grow about 15 to 18 inches high, bearing on the summit a large tuft of closely set, showy flowers of the richest colors imaginable. An old, well-known favorite.

STOCKS
(Gilliflower.)

One of our sweetest annuals and very popular with all lovers of flowers, bearing long stems closely set with large double clove-scented flowers of magnificent colors. May be sown right in the open border or started in the house for earlier blooming.

CUT AND COME AGAIN. TEN-WEEK STOCK.

A perpetual blooming variety which, when sown early in the house, starts to bloom in June and continues to bloom till late in fall; they are of branching habit and undoubtedly most desirable for cut flower purposes.

LARGE FLOWERED TEN-WEEK STOCK.

Similar to the preceding, blooming in summer.
THUNBERGIA
(Black-Eyed Susan)
2540 A beautiful annual climbing plant much used for vases and baskets, producing their pretty dark-eyed flowers of buff, white or orange in greatest profusion.
Mixed Colors: Pkt. 10c.

TORENIAS
A pretty little annual, covered the entire season with a mass of bloom, very fine for bedding, in the border, vases or hanging baskets.
2550 Halimani, golden yellow, with chestnut-red throat: Pkt. 10c.
2551 Fournieli, sky-blue, spotted dark, yellow center: Pkt. 10c.

MAMMOTH VERBENAS
A great favorite with all, blooming in marvelous profusion during the entire summer, they are also very useful for hanging baskets or window boxes, adding variety of color. We have a very fine strain of the mammoth flowering kind.
2560 Pink: Pkt. 10c.
2562 Purple: Pkt. 10c.
2563 Scarlet: Pkt. 10c.
2564 Mixed Colors: Pkt. 10c.
2551 Collection of the Five Colors: Pkt. 10c.
2554 Companula Carare (see Novelty Page 41), pkt. 25c.
2570 Lemon Verbena (Aloysia citroodora). A plant whose leaves are of a delicious fragrance; should be in every garden: 10c.

VINCA
(Madagascar Periwinkle, or Old Maid.)
One of the most satisfactory annual bedding plants, blooming profusely the entire season till frost. They are of very ornamental appearance, their bright, glossy foliage contrasting well with the large, elegant blossoms.
2580 Rosam. Rose, dark eye: 10c.
2581 Alba. White, red eye: 10c.
2582 Alba Pura. Pure white: 10c.
2593 Mixed Colors: 10c.

WALL FLOWER
An old favorite with fragrant flowers, blooming late in the fall and elegant for winter flowering in the house or conservatory. May also be grown outside under slight protection.
2620 Single Mixed. A choice mixture: 5c.
2624 Extra Early Paris Mixed: Very early: 10c.
2625 Double Mixed: 10c.

ZINNIA
A magnificent annual, known by all lovers of flowers, and without any question the most satisfactory plant for bedding. The flowers are produced in great masses during the entire season and from the time the first flower opens till frost destroys them, they are never out of bloom. The flowers are of various shapes, some looking like an Aster and others again like a Daisies. and all have a richness and variety of color which is simply astonishing. They should be planted in masses, either in separate colors or in mixture. They will never fail to attract attention. No garden should be without them.

GIANT ZINNIA
(Youth and Old Age.)

VIOLAS OR TUFTED PANIES
This Pansy is decidedly distinct from the large flowering, well-known Pansies. The flowers are here not so large and present so far not the variety in color, but they bear their pretty, clear-colored blossoms in such masses throughout the entire season that they completely cover the ground with a sheet of color.

Viola splendens. Bright yellow: 10c.
2612 Odorata semperflorens (Perenbloomng Sweet Violet). The well-known favorite: 10c.
Bulbs and Roots for Summer Blooming

BEGONIAS TUBEROUS ROOTED

Extremely valuable bedding plants for the summer, especially so in a half shady position; bearing in never-ending profusion large, bright-colored flowers. The foliage is also very becoming, some leaves being beautifully marked with thick, silvery veins; some of them are closely covered with tiny little white or red hairs. The enormous size and intense brilliancy of the flowers command greatest admiration. They may be started in the house in pots or boxes and planted outside when the weather is settled, but if planted right outside in May (an earlier time being very dangerous except in the southern States) will also bloom very successfully; a rich soil will produce exceptional vigor.

Single Kinds. Pink, scarlet, white, yellow, 10c. each; $1.00 dozen.
Single Mixed. A fine mixture of above colors. 5c. each; 15c. dozen.
Double Kinds. Pink, scarlet, white, yellow. 15c. each; $1.50 dozen.
Double Mixed. A fine mixture of above colors. 15c. each; $1.25 dozen.

CALADIUM ESCULENTUM
(Elephant’s Ear)

A very ornamental plant, adding a luxuriance to the garden which only tropical plants can give. The leaves attain enormous proportions, oftentimes 2½ feet wide by 4 feet long. They are elegant for solitary clumps in the lawn, where three large bulbs should be planted together. Where they are wanted for borders around Cannas beds, etc., it will be advisable to use the smaller bulbs. They like a rich, well-manured soil, and plenty of moisture in their growing period.

GIANT BULBS. 25c. each (by half 40c.); $2.50 per doz.; $15.00 per 100.
LARGE BULBS. 10c. each (by half 15c.); $1.00 per doz.; $7.50 per 100.
GOOD BULBS. 5c. each (by half 12c.); 75c. per doz.; $5.00 per 100.

LARGE FLOWERING ERENCHANT CANNAS
(Indian Shot)

The Cannas are undoubtedly the queens of all bedding plants for our trying climate; their bold and massive growth, with the large, waving heads of the most brilliant flowers, make a magnificent show. Of the many varieties now in commerce, we have made a selection of 12, which we believe will answer even the most critical demands. For best results Cannas should be started in the house or conservatory, but good success may also be gained by planting the roots outside the latter part of April or early in May. They delight in a soil which is abundantly mixed with well rotted cow manure.

TWO CANNAS OF SPECIAL MERIT

Black Beauty. This is the most beautiful of the dark-leaved Cannas. The foliage is very massive, curled at the edges, and of a very intense, rich, bronzy-purple color, growing five to six feet high. 20c. each; $2.00 per doz.

Mont Blanc. This is the finest White Canna in the market. The flowers are large, well shaped, and produced very profusely in broad clusters, making a magnificent contrast with other sorts. The foliage is broad, musa-like, of green color. 15c. each; $1.25 per doz.

TWELVE SELECTED CANNAS

Buttercup. Almost clear yellow, the best of the yellows; three feet; green foliage.

Beauté Poitevine. A grand dwarf kind; brilliant crimson with scarlet shades; green foliage; three feet.

Cinnabar. Very large flower; orange scarlet; green foliage; five feet.

David Harum. A grand variety; bright, deep vermillion; bronze foliage; three and one-half feet.

Eglandale. A fine, effective kind; bright red flowers and bronze foliage; three and one-half to four feet.

Florence Vaughnau. A great favorite; large flower of golden yellow with red spots; green foliage; four feet.

Mckinley. Very large, broad petaled flower, soft glowing red; green foliage; five feet.

Mlle. Bernt. A beautiful salmon pink; large, broad truss; green foliage; four feet.

Mrs. Kate Gray. The strongest growing sort of the set; very broad, dark green foliage, with extra large trusses of rich, orange scarlet flowers overlaid with gold, standing high above the foliage; five to six feet.

Mme. Crozy. Crimson scarlet with yellow border; green foliage three and one-half feet.

Queen Charlotte. Intense crimson scarlet with broad yellow border; very free flowering; green foliage; the finest bedding; three and one-half feet.

Sécretaire Chabanne. A very distinct color, rich and soft salmon; green foliage; three feet.

Price: Any of the above, 10c. each; $1.00 per doz.; $5.00 per 100.

CINNAMON VINE (Dioscoreas Batatas)

A very rapid growing climber with bright, deep green, heart-shaped foliage, grown to a height of from 25 to 30 feet. The little white flowers have the same fragrance as cinnamon, whence its name. 5c. each; 50c. doz.
DAHLIAS

We have been frequently asked by our customers when we advise planting Dahlias. There is a diversity of opinion as to the proper time to plant, but we find better results are obtained from early planting. Roots should be planted at least ten days before danger from frost is over, as it takes from two to three weeks for them to appear above the ground.

SEVEN "PRIZE-WINNER" DAHLIAS

Twentieth Century. A magnificent flower, which has created the greatest sensation at all flower shows. A cut flower of exceptional value. It is of freely branching habit, blooming profusely all season. The elegant flowers are very large, 1½ to 6 inches in diameter; of a rosy crimson, tipped and edged with white and white around the disc, becoming lighter as the season advances. 25c. each; $2.50 per dozen.

Pink Century. The finest and largest of the Orchid-flowered Dahlias. It is hard to conceive the exquisite delicacy of the flower, whose coloring is a delicate shell pink, slightly suffused with clear soft pink; free grower and bloomer. 25c. each; $2.50 per dozen.

The Record. Belonging to the same class as the preceding, being of a clear yellow, each petal flamed and washed with scarlet, 50c. each; $5.00 per dozen.

Collarette Dahlia "President Viger." The Illustration gives a better idea of the curious formation of the flower than any description could give. The larger petals are clear, while the short petals or frills are pure white, a most magnificent combination. 30c. each; $3.00 per dozen.

Giant Dahlia "Mrs. Roosevelt." A truly giant flower; very graceful of form, good grower, perfectly double, 4 to 8 inches in diameter; color a delicate pink, shading to soft clear pink; magnificent. 30c. each; $3.00 per dozen.

Giant Dahlia "Cuban Giant." A fitting companion to the preceding; just a trifle smaller, of full, round form; dark glowing crimson, shaded maroon; very vigorous grower and profuse bloomer. 50c. each; $5.00 per dozen.

Decorative Dahlia "Sylvia." A very large flower, 1 to 6 in. in diameter, of perfect form, full to the center; color white, shading to soft pink on the outer petals. 15c. each; $1.50 per dozen.

A collection of one of each of the above seven varieties, $1.75.

SIX STANDARD SINGLE DAHLIAS

Amita Barrillet. Flowers richest garnet, with rich purplish maroon foliage.
Gold Standard. Pure deep yellow, large size, very free and continuous bloomer.
John Downie. Intense, glowing crimson scarlet, a magnificent color; very free flowering.
Juno. Very large; white, slightly suffused and topped with pink.
Sunset. Very large, straw, shading to maple and burnished copper.
Wildfire. The purest, richest scarlet.

Price: Any of the above, 15c. each; $1.50 per dozen; the set of six for 75c.

TWELVE SPLENDID DECORATIVE DAHLIAS

Clifford W. Bruton. The finest canary yellow; of immense size and perfect form; strong grower and free bloomer.
Eureka. Deep rose; of fine, regular form, with deep quilled petals; very profuse bloomer; magnificent.
Grand Duke Alexis. A very large flower, of very distinct and unique form; pure white, tinged with delicate pink.
Henry Patrick. Pure white; large size with long stem.
John Ellich. Deep, rich red; large and of perfect form.
Ledelice. A magnificent flower; old shade to orange; of beautiful form; profuse bloomer.
Nymphaea. Of medium size; clear and distinct shrimp-pink; very free bloomer; one of the most beautiful Dahlias.
Orange King. Glowing orange; of fine form; profuse bloomer.
Salmon Queen. Very large; beautiful, soft salmon.
Wilhelm Miller. Brilliant purple; extremely free.
William Agnew. Intense, glistening scarlet crimson; large flower and of exquisite shape, with long stems.
Zenia. The darkest of all Dahlias, almost black; large, well-shaped flowers.

Price: Any of the above, 15c. each; $1.50 per dozen; the set of 12 for $1.50.

THE DAHLIA

Copiously and elegantly illustrated, by an expert, 40c. postpaid.
TWELVE GRAND CACTUS DAHLIAS

Aunt Chloe. Dark maroon, shaded black, perfect cactus form.

Countess of Lonsdale. A beautiful blending of salmon pink and amber; perfect form; the most profuse and earliest blooming Cactus Dahlia.

Earl of Pembroke. Bright plum, deeper and velvety towards the center.

Floradora. Dark velvety crimson, branching habit and profuse bloomer.

Gabriel. Creamy white, edged crimson; petals curiously twisted and curled.

Krienhilde. Fresh, delicate pink, shading to white in the center; very profuse bloomer; the most beautiful of the Cactus Dahlias.

Miss Grace Cook. Deep rose color.


Siegfried. An exquisite creamy white, of large size and finely twisted.

Standard Bearer. Rich, fiery scarlet; very free blooming and exceptionally early.

Price: Any of the above, 20c. each; $2.00 per dozen.

TWELVE SELECTED POMPON DAHLIAS

Alewine. White, flushed pink; fine.

Catherine. The best pure yellow; fine form.

Darkness. Deep, velvety maroon, almost black.

Eleganza. The best pink Pompon; fine form.

Guiding Star. Pure white; a great favorite.

Hedwig Pfallig. Scarlet, tipped and mottled white.

Price: Any of the above, 15c. each; $1.50 per dozen.

TWELVE SUPERB SHOW DAHLIAS

A. D. Livoni. Beautiful soft pink; quilled petals.

A. Pefferhorn. Rosy crimson.

Arabella. Pale primrose, tipped and shaded old rose and lavender; of large size, profuse bloomer.

Client. Deep velvety crimson; large; good bloomer.

Emily. Varies from rosy lavender to white, suffused lavender; a beautiful flower.

Hero. Deep crimson maroon; large and full.

Jannien. Deep rich purple, shaded maroon.


Queen of the Belgians. Delicate blush pink; profuse bloomer.

Queen of the Yellows. Beautiful clear yellow.

Ronsold. Deep, rich orange; very fine.

Snow. Snow white; profuse bloomer.

Price: Any of the above, 15c. each; $1.50 per dozen; the set of 12 varieties for $1.50.

THE DAHLIA
Copiously and elegantly illustrated by an expert, 40 cents postpaid.
GLOXINIA

Undoubtedly one of the most beautiful pot plants for the house. The large velvety leaves form a most striking plant, and when the immense long bell-shaped flowers are open and show their soft and glowing colors, we have a plant whose beauty is unique and without rival. They should be grown indoors and protected from the sun. (See cut under Gloxinia Seed, page 55.)

Strong Flowering Bulbs, 15c. each; $1.50 per dozen; $19.99 per 1,000.

GLADIOLUS

These have now so many admirers that a garden, however small, is not complete without them. The improvements which have been made during the last years have been marvelous and haphazard description. The flowers have become so large and the markings so bold and so various that we look in vain for anything to equal them. They may be planted in masses in beds by themselves or scattered among low shrubbery, roses, etc., and when planted at intervals of about 11 days, will give a long succession of bloom. The bulbs may be lifted in the fall after the first frost, stored away during the winter in a frost-free place in the cellar for next year's use.

THREE MAGNIFICENT NEW GLADIOLUS

If Gladiolus are wanted by mail, add 10c. per dozen for postage.

American. A beautiful soft flesh pink slightly tinted with lavender, making it the most delicate coloring of any Gladiolus, flowers very large on long, strong, erect stems. 25c. each; 3 for 50c.; $1.75 per dozen.

Princess. Large open flower of a rich dazzling scarlet, marked with white on the lower portion, strong, vigorous grower. 25c. each; 3 for 50c.; $1.75 per dozen.

White Lady. The most beautiful and purest of all white Gladiolus, strong grower. 25c. each; 3 for 50c.; $2.75 per dozen.

One of each of above, 60c.

FINE NAMED GLADIOLUS

If wanted by mail, add 10c. per dozen for postage.

Blanche. Large, snow white faintly marked soft rose. 15c. each; $1.50 per dozen.

Brecheleyensis. Vermilion scarlet, fine variety. 25c. per dozen; $1.75 per 100.

Ceres. White, spotted with purplish rose. 20c. dozen; $2.00 per 100.

Columbina. Orange scarlet blotched and penciled bluish scarlet. 5c. each; 50c. per dozen.

Gen. Phil. Sherman. Fiery red, with white lining on each petal, and a pure white blotch in the lower division, 6c. each; 60c. per dozen.

Governor M. Clark. Very large, rose mottled with silver gray, very beautiful. 5c. each; 50c. per dozen.

Henry Gilman. Deep salmon scarlet with pure white bands. 5c. each; 50c. per dozen.

Isaac Buckman. Very fine yellow. 10c. each; $1.00 dozen.

Laurel. Cherry tinted with violet, blazed with red, pure white satin center. 5c. each; 50c. per dozen.

Madame Moncrieft. Delicate rose. 50c. per dozen; $3.00 per 100.

Marguerite. Fine salmon crimson and white throat, each petal with a delicate margin of slate blue. 15c. each; $1.50 per dozen.

May. Lovely white, flushed rosy crimson. 5c. each; 50c. per dozen.

Punishment. Deep dark pink, with spotted throat, shaded orange, blazed with maroon. 5c. each; 50c. per dozen.

Mrs. Beecher. Brilliant crimson, scarlet with white throat. 5c. each; 50c. per dozen.

Nevinscott. Bright blood scarlet, with deep velvety crimson blotches and white mottle in throat. 5c. each; 50c. per dozen.

Octogen. Beautiful salmon pink. 5c. each; 50c. per dozen.

Shakespeare. White, suffused crimson rose, large rosy blotch, 5c. each; 50c. per dozen.

Wm. Falconer. The best light pink. 5c. each; 50c. per dozen.

One each of above 18 Fine Named Kinds, $1.25, and three each for $3.50.

MIXTURES OF GLADIOLUS

If wanted by mail, add 10c. per dozen for postage.

Glandavensis Mixed. A good cheap mixture. 25c. per dozen; $1.75 per 100; $12.00 per 1,000.

Giant Mixture. Large flowers with beautiful markings. 40c. per dozen; $2.75 per 100; $25.00 per 1,000.

Groll's Hybrids. A very fine mixture of beautiful colors. 30c. per dozen; $2.25 per 100; $20.00 per 1,000.

Lemoline's Butterfly Mixture. A very fine mixture of richest colors. 30c. per dozen; $2.25 per 100; $20.00 per 1,000.

Pink Mixture. 25c. dozen; $2.00 per 100; $18.00 per 1,000.

Purple Mixture. 50c. dozen; $3.50 per 100; $32.50 per 1,000.

Scarlet and Cinnamon. 25c. dozen; $2.00 per 100; $18.00 per 1,000.

Striped and Variegated. 40c. dozen; $3.00 per 100; $27.00 per 1,000.

Yellow and White. 10c. dozen; $2.50 per 100; $20.00 per 1,000.

Yellow and Orange. 50c. dozen; $3.50 per 100; $32.50 per 1,000.

HYACINTHUS CANDICANS

(Summer Blooming Hyacinth)

Grow about 4 feet high, with large bell-shaped, pure white flowers, contrasting well with other summer blooming plants; should be in every garden. 5c. each; 50c. per dozen.
LILIES

A garden without a few Lilies is not complete. Their beauty of form, stately habit and sweet fragrance is unequaled by any other class of plants, and by planting a few of each of those which we name in our collection, a continuous and unbroken succession of bloom may be had until autumn. There are few plants for outdoor growing which possess so many charms. Their bold and striking flowers and their easy culture render them so indispensable that no collection should be without them. They are excellent to be planted in groups among low shrubbery, rock beds, etc.

They should be planted in any good garden soil, preferably sandy loam, about 6 to 8 inches deep.

**Auratum (Golden Banded Lily)**. One of the finest; very large, pure white, fragrant flowers, studded with dark crimson spots, while through the center of the petals runs a broad clear yellow band; height 4 feet; blooms in July. 9 to 11-inch bulbs 15c. each; $1.50 per dozen; 11 to 13-inch bulbs 25c. each; $2.50 per dozen.

**Speciosum Album**. A beautiful kind and easily grown. Flowers are pure white, spreading, fine for groups; blooms in August. 7 to 9-inch bulbs, 15c. each; $1.50 per dozen; 9 to 11-inch bulbs 25c. each; $2.50 per dozen.

**Speciosum Rubrum**. Same as above, shaded deep rose and spotted red. 7 to 9-in. bulbs, 10c. each; $1.00 per dozen; 9 to 11-inch, 15c. each; $1.50 per dozen.

**Tigrinum (Tiger Lily)**. Orange, spotted black, 2 to 4 feet; blooms in August. 10c. each; 75c. per dozen.

**Tigrinum fl. pl. (Double Tiger Lily)**. Same as above, but double flowers. 10c. each; $1.00 per dozen.

MADEIRA VINE

*(Mignonette Vine)*

A very rapid growing climber with heart-shaped light green leathery foliage and fragrant feathery flowers, looking very much like sprays of Mignonette. It is one of the best vines for covering porches and trellises, growing 15 to 20 feet high and keeping remarkably free from insects; not quite hardy, should be protected during the winter. Strong roots: 3 for 10c.; 20c. per dozen. If wanted by mail, add 10c. per dozen for postage.

MONTBRETIA

This might very appropriately be described a miniature branching Gladiolus with star-like flowers. Indeed, they are charming plants, forming dense bushes of grass-like foliage and produce during the entire summer innumerable graceful flower spikes 12 to 18 inches long, full of bright, star-like orange and red-colored flowers. 30c. per dozen; $2.25 per 100.

OXALIS

Very valuable for edging borders of walks or flower beds, and when planted 3 inches apart will produce an unbroken row of elegant foliage and pretty flowers. They bloom very quickly after planting, and will continue to do so all season. They are very easily grown, getting the bulbs into the ground being the only work necessary.

**Deppei**. Pure white, very fine. 15c. per dozen; 75c. per 100.

**Lusindra**. Fine, rosy pink, beautiful cut foliage. 15c. per dozen; 75c. per 100.

TUBEROSES

**Excelsior Pearl**. This variety is much superior to the common double Tuberoses, being of decidedly dwarfer growth, with larger flowers sitting closely around the stem. The flowers are waxy white, 1 ½ to 2 inches across, of a delicious odor. If the bulbs are planted in the garden in May in rich soil and in a sunny position, they are certain to bloom the latter part of August. If they are wanted before that time they should be started earlier in pots in the house, removing them to the open when warm enough in May. Three for 10c.; 25c. per dozen; $1.50 per 100.

OUR FLOWER SEED

Is in every way the highest grade that can be procured, and we are satisfied that better qualities cannot be bought at any price.

Give us a Trial.

TIGRIDIA

*(Shellflower or Tiger Flower)*

A magnificent class of summer blooming bulbs, producing very large, gorgeous flowers exquisitely spotted in great abundance. They grow about 18 inches high and should be lifted in the fall and wintered on a frost-free shelving to be used again the next summer. 5c. each; 50c. per dozen.
A Few Palms and Ferns

Palms and Ferns are our most useful plants for house and conservatory decoration. No other class of plants will lend such grandeur through their bold and yet graceful foliage to our rooms, and no collection is complete without them. We offer below a few varieties of Palms and Ferns, which are of the easiest cultivation and of most importance to the beginner. The plants listed are all healthy young stock which will soon grow into nice large plants.

**Moonpenny leaves.** The nothing to grow from pots. Is lend un sightsly leaves, the dark complete and growth.

**Arecn Latamenes.** Very graceful and beautiful. One of the best in cultivation. Foliage is a bright glossy green, with rich golden stem. Nice plants with 4 to 5 leaves, 12 to 15 inches, each. $2 each.

**Cocos Weddeliana.** Of all Palms this is the most elegant and graceful. The slender gracefully arching leaves are of a dark green; they are of a slow growth and maintain their beauty for a long time. Elegant for fern dishes. Nice plants from 3-inch pots, 12 inches high, 25c. each.

**Kentia Belmoreana.** This and the following are the hardiest Palms in cultivation and will give better satisfaction as house plants than any other. They grow rather slow, are not much affected by neglect or change in temperature. Both kinds look very much alike, this one being the dwarfest and most graceful. Nice plants from 3-inch pots, 4 to 5 leaves, 12 in. high, 25c. each.

**Kentia Forsteriana.** Similar to above but taller in growth with heavier and broader foliage. Nice plants from 3-inch pots, 3 to 4 leaves, 12 inches high, 35c. each.

**Lantana Barbolmen.** The popular and well-known Fan-Palm. The leaves are large fan-shaped, of light green color. They grow quickly and soon attain a large decorative size. Nice plants from 3-inch pots, 4 to 5 leaves, 12 inches high, 25c. each.

A Choice Collection of Hardy Perennial Plants for Spring Planting

**HARDY PERENNIAL PLANTS ARE EASILY RAISED FROM SEED. TRY IT.**

The usefulness of these "Old-fashioned Hardy Garden Plants" is more recognized every day, and they now rank first as showy garden plants. Immense quantities are now planted by parks, cemeteries and private estates, grouped for masses for effect or as single plants in the border. There is nothing among flowers which will give such universal satisfaction, and of the vast amount we have made a small selection which we are sure will suit everyone. If planted once their beauty will increase from year to year and they will be a permanent pleasure.

The varieties we offer have proven, through years of experience, a perfect success, and if planted early will give very much finer and more flowers than when planted in warm weather.

Price: Any kind except where noted, 15c. each; $1.50 per dozen.

All plants will be sent by express at purchaser’s expense, the roots being carefully wrapped in damp moss unless we are instructed to send otherwise. Single plants will be sent by mail at our expense, the soil being removed.

**PHORMIUM**


**ACHILLEA**

*Chrysothamnus.* For description and illustration see under "Flower Seed," page 45.

**AQUILEGIA**

(Chimineo.)

*For description and illustration see under "Flower Seed," page 45.

**BOLTONIA**

(Chimineo.)

A very tall growing, exceedingly showy hardy perennial, with large, single, Aster-like flowers, produced in thousands on graceful, wiry stems during the summer and autumn months. Very effective and fine for hiding unsightly places.

Asteroids. Pure white; five to seven feet.

**CAMPANULA**

(Hell Flower.)

For description and illustration see under "Flower Seed," page 51.

**CHRYSANTEHEMUM**

(Mountpenny Daisy.)

For description and illustration see under "Flower Seed," page 52.

**COREOPSIS**

*Lanceolata grandiflora.* For description see under "Flower Seed," page 53.
DELPHINIUM
(Hardy Larkspur)
For description and illustration see under "Flower Seed," page 54.
Formosanum. Beautiful blue.

DIGITALIS
(Peony)
For description and illustration see under "Flower Seed," page 54.
Purpurea Mixed. Different colors.

GAILLARDIA
(Blanket Flower)
For description and illustration see under "Flower Seed," page 55.
Grandiflora. Large, stocky plants.

HOLLYHOCK
For description and illustration see under "Flower Seed," page 56.
Mixed Colors. Nice, strong, double flowering plants.

IRIS
German Iris (Iris Germanica). A most beautiful and perfectly hardy spring flowering plant. They thrive anywhere, grow and bloom luxuriantly, and are especially useful on edges of water. Well established plants will often produce more than 50 spikes of blossoms. Their colors range through yellow, purple, blue and white. Mixed colors. 10c. each; $1.00 per dozen; $7.00 per 100.
Japanese Iris (Iris Kaempferi). The beauty of these magnificent flowers baffles description. Flowers 8 to 10 inches across are by no means rare, their colors varying in any shade of claret, purple, crimson, rose, lilac and white, usually having a golden yellow blotch, surrounded by a halo of blue at the base of each petal. They are perfectly hardy, growing in any soil, but will attain their greatest perfection if liberally supplied with water while growing and flowering. We have six distinct colors. 20c. each; $2.00 per dozen; $15.00 per 100.

LICHTNIS
Chalcedonica (Jerusalem Cross). For description see under "Flower Seed," page 57.

PLATYCODON
(Chinese Bell Flower)
Grandiflorum. Large blue flower. For description see under "Flower Seed," page 62.

RUDBECKIA
(Cone Flower)
Golden Glow. A gorgeous plant, one of the showiest in existence: a strong, robust grower, 5 to 6 feet high, with large, double, golden, cactus-like flowers, blooming from July to October. Should be in every garden; fine for massing.

PAEONIES
They are without any rival in popular favor, and to them belongs the first place of all the hardy perennial plants. Their large, gorgeous flowers, borne in abundance on the strong, long stems, with the beautiful, dark green, glossy foliage, add a wealth of color to our garden, which not even roses can give. Their culture is so simple, any good rich soil worked thoroughly will answer, be it in the open sun or a partially shaded position. A generous mulching of well rotted manure during their growing period, and a liberal supply of water, will produce wonderful effects; their flowers will be larger and of more intense color, and their foliage and whole growth much more luxuriant. They are perfectly hardy even in the most severe climate, and very rarely troubled with insect pests or disease of any kind, and once planted will increase in beauty each year without any further care.

We supply Paeonies in the following colors:

Dark Red, Red, Pink, White.
Price: Strong roots, 25c. each; $2.50 per dozen.
Price: Named varieties, 25c. to 75c. each.

HARDY PHLOX
Another class of hardy herbaceous plants, who rank foremost in beauty and usefulness in the hardy border and should be in every garden. They succeed well in almost any kind of soil or position and are in bloom nearly the entire summer. Their range of color is remarkable, they vary in all shades of white, pink, rose, scarlet, crimson and purple, and the large flower heads, forming a beautiful bouquet by themselves, are borne on long, wiry stems, and if grown in clumps of a dozen or more, will make one of the most glorious sights in the garden. They are perfectly hardy and will increase in beauty each year. (See Illustration under "Flower Seed," page 63.)

TALL

Tall Paeony.

Bridesmaid. White, with carmine center.
Reclame. Lilac, with white.
Inspector Pelzer. Purplish mauve.
Mozart. White, with salmon.
Panthéon. Bright carmine rose.
Schum. Rose mauve, red eye.

Short Paeony.

Petunia. Pink.
Gallic. Rose.
Rosaline. Rose.
Duchess of Kent. Light pink.

15 cents each, 6 for 75 cents.

DWARF

Berenger. White, with pink.
Clumps Elysee. Rose magenta.
Cyclon. White, with lilac.
LaVagne. Mauve with red eye.
Sunshine. Aniline red.
Thebside. Carmine, with red eye.

Price: 6 for 75 cents.
Selected Hardy Roses

We are listing a condensed selection of Roses, which we believe to be the best and most satisfactory for our climate. They are all extra heavy two-year-old stock and are sure to bloom abundantly the first season. This stock we can recommend with greatest confidence. Some of the roses we can furnish in small plants which can be sent by mail; they will invariably produce a few flowers the first season, but we cannot recommend them to give the same satisfaction as our heavy two-year-old stock.

THE NEW DWARF EVER-BLOOMING BEDDING ROSES OR BABY RAMBLERS

Of all new Roses of the latter years there has been none which fulfilled all predictions and glowing descriptions in such a measure as these new wonderful Roses. They grow about 18 inches high and produce large clusters of bright flowers in a phenomenal profusion throughout the entire summer. Foliage is of a glossy green, very handsome, and is not attacked by insects. They are perfectly hardy and as a pot rose will bloom all the year round, and we recommend them strongly to all lovers of flowers, be it for pot or winter-blooming, for groups in the lawn or for the cemetery.

Crimson Baby Rambler (Mme. Norbert Levavasseur). Crimson flowers, similar to the popular Climbing Crimson Rambler.

Pink Baby Rambler (Anchen Muller). Brilliant luminous pink; a shade that is always admired.

White Baby Rambler (Katherina Zelmet). Pure white flowers, showing the yellow stamens very prettily, produced in large candelabra-shaped trusses.

Extra strong two-year-old plants, 40c. each; $1.00 per doz.

MOSS ROSES

These Roses are charming in bud form and very much admired. The bud is covered with a delicate mossy growth, giving the opening flower a beautiful and unique appearance.

Blanche Moreau. Lovely pure white, large and double.

Crested Moss. Light rose, elegantly crested.

Glory of Mosses. Beautiful carmine, large flower.

Extra strong two-year-old plants, 25c. each; $2.50 per dozen.

HARDY CLIMBING ROSES

It seems needless to say anything about these most charming and useful roses, which are now so largely used to beautify porches or to cover fences. After once established they grow very vigorously and shoots of 15 feet are by no means scarce. When in bloom they are a sight to behold; thousands of roses are clustered together in bunches and seem to smother the plants. Too much cannot be said about them and no glowing description can do them justice. They should be in every garden.

Crimson Rambler. This is the best and most free flowering of the set; deep crimson.

Pink Rambler. Light pink.

White Rambler (Thalia). Not as free in bloom, but good.

Yellow Rambler (Aglaia). Large yellow flowers.

Strong two-year-old plants, 35c. each; $3.50 per dozen.

Small plants, by mail, 32c. each; $1.20 per dozen.

Our Gold Medal Collection of Sweet Peas

CONTAINS THE 18 BEST VARIETIES OF SWEET PEAS UP TO DATE. AND IS MAILED AT 50c. PER COLLECTION OF ONE PACKET EACH, AND AT $1.00 PER COLLECTION OF ONE OUNCE OF EACH.
TWELVE BEST EVER-BLOOMING ROSES

These are very carefully selected from a class of Roses blooming continually during the summer. They are all good strong growers, profuse bloomers and fine for bedding; should be slightly protected during the winter.

**Ben Silence.** An old, well-known kind; beautiful in bud, brilliant carmine.

**Caroline Testout.** Very double, of charming globular shape; bright satin rose, brighter in the center; very sweet, good grower and free bloomer.

**Clotilde Soupert.** A very beautiful rose, being in bloom continuously from June till frost. It is the finest flowering rose, producing large clusters of perfectly double, medium-sized flowers of white tinged with pink in the center.

**Gros an Teplitz.** Flowers large, of a rich scarlet shading to crimson as they get older. The best ever-blooming red rose, excellently suited for planting in masses. It is very fragrant, of strong growth, and fairly covered with flowers the entire season. Should be in every collection. (Small plants, postpaid, 15c.)

**Hermosa.** An old variety and still one of the best; covered with deep rose, large flowers the whole season. It is a fine rose for bedding or for pots; of strong growth and clear dark green foliage. An ideal flower, very large and double; of a creamy white, slightly tinged with yellow in the center, and of an exquisite odor. The flowers are produced freely and borne on long, graceful stems; a strong grower with beautiful foliage.

**La France.** One of the most beautiful for shape of flower, color and fragrance. The flowers are large, of a silvery pink, the petals are gracefully curved back at the edges and delightfully scented.

**Maman Cochet.** Large, deep, rose-pink flowers produced in greatest profusion on long, stiff stems throughout the season; very double and a good, strong grower.

**Mosella.** Much like Clotilde Soupert, but of a deep cream, changing to yellow in the center; a good, strong grower.

**Papa Goüitier.** Dark, crimson red with a long pointed bud, especially nice in the fall; beautiful for cutting.

**Perle des Jardins.** Of magnificent form and delightful fragrance; good, strong grower with dark red foliage when young, and large, deep yellow flower.

**Souvenir du President Carnot.** A magnificent rose, of perfect form and beautiful, soft, rosy-flush color, shading to white at the edges, deliciously scented. An extra strong grower with fine foliage.

**Phénix.** Extra strong two-year-old plants, 25c. each; $2.50 per dozen.

**Small Plants** can be supplied of all those varieties marked with a * postpaid for 10 cents apiece.

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**General Jacquemimot.**

Twelve Best Hardy Garden Roses

This selection of perfectly hardy roses is specially recommended to those who have not the time to bother much with protecting them. Once planted and established they will take care of themselves. They are not as prolific in the production of flowers as those of the "everblooming" class, and while their main crop of blossoms is in June, they will still produce some fine flowers during the summer and autumn.

**Anna de Diesbach.** A large and full flower of a clear, bright carmine, very fragrant.

**Baron de Bonstetten.** One of the darkest, almost black, very large and double; fragrant.

**Baronesse de Rothschild.** A magnificent cup-shaped flower, clear satiny-pink.

**Captain Christy.** A fine, superbly shaped flower, petals slightly curled back at the edges, soft, fleshy-pink, very sweet. A good bloomer.

**Frau Karl Druschki.** The finest white rose in existence. Large, perfect flowers of snowy white, with large shell-shaped petals, making a most magnificent flower. A very strong and healthy grower. Strong two-year-old plants 35c. each; $3.75 per dozen.

**General Jacquemimot.** The old well-known favorite; large, dark crimson flower, very sweetly scented.

**Jules Margottin.** Large cup-shaped flower, very full and fragrant, bright carmine, beautiful.

**Mabel Morrison.** A large, pure white, cup-shaped flower, very vigorous, a fine companion to Baronesse de Rothschild.

**Magan Charta.** A beautiful, strong growing rose, with large, bright pink flowers suffused with carmine.

**Mrs. John Laug.** Very fragrant, free blooming kind, large flower of a pleasing soft pink.

**Marie Bauman.** A superb flower, perfect in form, delightfully scented, of a deep bright crimson.

**Princesse Camille de Rohan.** The darkest of all, deep velvety maroon, very sweet, large flower.

**Ulrich Brunner.** Undoubtedly one of the finest largest roses, of delicious odor, flowers full, of a bright cerise.

**Price:** Extra strong two-year-old plants, 25c. each; $2.50 per dozen.

**Small Plants** can be supplied of all those varieties marked with a * postpaid for 12c. apiece.
Hedge Plants

Besides being attractive hedges are also useful for bordering gardens, giving a privacy which cannot be attained with anything else, and in the long run they are cheaper than fences, getting better and stronger year after year.

**Arbor Vitae** (Thuja occidentalis), a beautiful, hardy evergreen, elegantly adapted for hedges, absolutely hardy.

**Summit Seedlings**, 8 to 12 inches high, per 100 $1.75, per 1,000 $12.00.

**Summit Seedlings**, 12 to 18 inches high, per 100 $2.25, per 1,000 $15.00.

**California Privet**. A very popular hedge plant with rich, dark green foliage, of quick growth, succeeding under almost any condition.

**Plants**, 12 to 15 inches high, $2.25 per 100, $20.00 per 1,000.

**Plants**, 15 to 18 inches high, $2.75 per 100, $25.00 per 1,000.

A Well-Kept Hedge.

All our shrubs are large and heavy nursery-grown plants and sure to give immediate results. They are ready for shipment about the middle of March, and will be shipped at that time on all orders received prior to the 15th day of March. They can only be sent by express or freight.

**Azalea mollis**. A beautiful, hardy species, with large clusters of flowers in various shades of yellow, orange or carmine, blooming in May. 50c. to 75c. each.

**Deutzia gracilis**. A dwarf growing shrub, covered with Lily-of-the-Valley-like pure white flowers; early in May and June. 25c. each; $2.50 per dozen.

**Hydrangea paniculata grandiflora**. One of the most popular shrubs in cultivation. The flowers are borne in large, dense pyramidal bunches 12 inches long in an astonishing profusion, being white on opening, changing to rose and later to green. 25c. each; $2.50 per dozen.

**Lilac or Syringa**.

A shrub know by everybody; blooming in early spring, filling the air with a spicy odor.

**Charles X.** A strong grower with large panicles of reddish-purple flowers. 50c. each; $5.00 per dozen.

**Marie Legraye**. Beautiful, pure white flowers, large, loose trusses. 50c. each; $5.00 per dozen.

**Magnolia**.

Very stately shrubby trees with large, tulip-shaped flowers.

**Soulangeana**. Blooms early in spring; flowers 5 inches across, white on the inside, shaded purple outside, $1.50 each.

**Spiraea**.

**Pronofeina** (Bridal Wreath), double white flowers in great abundance; very fine. 25c. each.

**Van Houtte**. This is the finest of all shrubby Spiraeas, and when in flower form a complete mass of white, hiding the foliage completely; a beautiful ornament for any lawn. 25c. each.

**Herbaceous Spiraeas**.

**Japonica**, the best known. Fine for forcing; when planted outside, will bloom in June. Strong clumps, 15c. each; $1.00 per dozen; $6.00 per 100.

**Compacta Multiflora**. Much like the foregoing, but of more compact growth; very prolific in its production of the feathery white flowers borne in plume-like panicles of magnificent proportions. Strong clumps, 15c. each; $1.00 per dozen; $5.00 per 100.

**Astilboides Floribunda**. One of the most beautiful of the Spiraeas. Very dwarf in habit and earlier in bloom than the others; a very profuse bloomer, while its feathery pure white flowers appear in greatest profusion. Strong clumps 15c. each; $1.25 per dozen; $7.00 per 100.

**Gladiolus**. A quite new and very large flowering kind; one of the most important plants to the florist, who grow large quantities for Easter decoration. Well-grown plants bear often 40 stems with plume-like trusses, covering the plants with a thick white foam. Strong clumps 25c. each; $2.00 per dozen; $12.50 per 100.

**Viburnum Plicatum** (Japanese Snowball). A well-known shrub with white snowball-like clusters of flowers, 50c. each.

**Weigela Rosen**, very ornamental, with clusters of pink flowers. 25c. each.

**Rhododendron**, one of the most beautiful of our hardy plants, with evergreen, large foliage, producing big bouquets of magnificently colored flowers. Choice, well budded plants, 75c., $1.00, $1.25 and $1.50 each, according to size and variety.

**Dahlia**.

Our collection of Dahlias contains only the best. They will be a source of pleasure.
Hardy Climbing Plants

Our list of these valuable plants contains only the best and hardest, suitable for covering porches and fences. They are all extra strong plants, which will make a good showing the first year.

Ampelopsis Veitchii (Boston or Japanese Ivy). The well-known climber used so largely for covering brick walls, houses, churches, etc. They cling close to the wall and turn a vivid red in the fall, of most striking appearance. Strong two-year-old plants, 25c. each; $2.50 per dozen.

Aristolochia Siphon (Dutchman’s Pipe Vine). A rapid growing climber with large leaves and brownish-colored flowers, resembling in shape a pipe. It makes a very dense covering after once established. Strong plants 50c. each; $5.00 per dozen.

Bignonia Radicans (Trumpet Creeper). A tall grower rambling high into the branches of trees, fine for old, dead trees. Its large, trumpet-shaped flowers of dark red are produced very freely. 50c. each; $5.00 per dozen.

Clematis Paniculata (Japanese Virgin’s Flower). Undoubtedly one of the most charming of our hardy vines; exceedingly rapid in growth, soon reaching a height of from 15 to 20 feet, spreading out in all directions. The small, pure white, deliciously fragrant flowers are borne in great panicles or clusters so profusely as to fairly cover the plant with a sheet of white fleece. Their blooming period commences in August and extends late into September. Strong plants, 25c. each; $2.50 per dozen.

LARGE FLOWERING CLEMATIS

The flowers of this class are very large, often measuring 8 inches in diameter. The colors run from an intense velvety purple, through blue, white and red. They must be planted pretty deep to prevent them from drying out at the neck, which causes a good many to die.

Honeysuckles.

They are fine subjects for covering porches, fences, and the plants which we offer are young, one-year-old stock.

Halleana (Japan Honeysuckle). An almost evergreen sort with white flowers changing to yellow. 12c. each.

Scarlet Trumpet. Bright red, trumpet-shaped flowers, very free bloomer. 12c. each.

Small Fruits

Our patrons may fully rely on these being good and worthy of cultivation.

BLACKBERRIES

Early Harvest, the earliest and therefore most valuable. Ripe in July, very productive, sweet medium-sized berry. Needs protection in the North. 8c. each; 75c. per dozen; $1.25 per 100.

Erie, a very strong grower, producing large crops on very poor soil, very large fruit of uniform size; absolutely hardy. 8c. each; 75c. per dozen; $1.25 per 100.

Iceberg, a new kind, with snow-white berries, productive and of good quality. 10c. each; $1.00 per dozen; $4.00 per 100.

Rathbun, of very fine quality and jet-black in color, extra hardy and very prolific. 10c. each; $1.00 per dozen; $4.00 per 100.

Snyder, an extra hardy variety, wonderfully productive, of medium size, very juicy and sweet. 8c. each; 75c. per dozen; $1.25 per 100.

CURRANTS

Cultivars require good cultivation and rich soil and will do well in a partial shade.

Black Champion, the leading black sort—large berry and bunch, fine quality.

Cherry. Large berries, short bunches, vigorous and productive, deep red.

Pay’s Prolific, the leading variety, extra large berries, uniform in size, very productive, rich red in color.

North Star, the strongest grower of the red varieties with bunches 4 inches long; extra quality.

Victoria, bright red, extra long bunches, berries of medium size, late in ripening.

White Grape, very large, yellowish white, sweet, excellent for the table.

Price—Any of the above 12c. each; 60c. per dozen; $4.00 per 100.
GOOSEBERRIES

They like good and frequent cultivation, rich soil and a heavy
manure mulching around the bushes during the summer will pre-
vent mildew.

Columbus. very large, oval, greenish yellow, finest quality,
strong grower, 15c. each postpaid; $1.50 per dozen by express.

Downing, an old well-known kind, large and handsome, pale
green, of fine quality, vigorous grower, little affected by mildew.
15c. each postpaid; 50c. per dozen by express.

Houghton, medium fruit, pale red, of very fine flavor, enor-
mously productive. 15c. each postpaid; 50c. per dozen by express.

Industry, large fruit of dark red color and delicious quality,
one of the best for market and home use. 15c. each postpaid;
$1.50 per dozen by express.

Red Jacket, very large, smooth, prolific and hardy, of best
quality, very free from mildew, a wonderful cropper. 15c. each
postpaid; $1.50 per dozen by express.

Smith Improved, large, pale green fruit, of extra quality and
exceedingly productive. 50c. per dozen by express.

GRAPES

Grapes like a porous stony soil, along slopes of hills or terraces, where they will
have the full benefit of the sun.

Orders should be received by April 15th.

BLACK VARIETIES.

Concord, the old well-known popular variety, succeeds under any condition.

Moore's Early, large berry and bunch, vine hardy and productive, very early.

Worden, an exceptionally fine variety of the Concord type, but earlier, with larger
berry and bunch, of better quality, very hardy.

RED VARIETIES.

Agawam, very large berry with thick skin, sweet and ripening early, vine very
vigorous.

Brighton, berries medium to large, of excellent flavor and quality, nicely formed
bunch, extra early.

Lindley, medium to large berry, tender and sweet, ripens early.

WHITE VARIETIES.

Moore's Diamond, berries pretty large, of excellent quality with very few seeds,
very hardy and productive and very early.

Niagara, the leading variety of the whites, with large bunch and berry, greenish
white and pale yellow when fully ripe.

Pecklington, a general favorite, with large bunch and berry, juicy, tender and
sweet, light golden yellow, vines hardy and very vigorous, free from mildew and
productive.

Price—15c. each; 6 for 75c. postpaid; $1.00 per dozen by express.

RASPBERRIES

Raspberries thrive well on a deep cultivated soil, kept free from weeds; a mulching of manure will be very ben-
eficial to them.

Cumberland, the largest Raspberry known: it will give satisfaction in any instance; the most profitable, deserving
the name of "Business Black Cap" fully.

Columbian, purple, resembling in type Shafter's Colossal. The best berry for canning purposes.

Cuthbert, red, the leading late market sort: remarkably strong and standing the most severe winters.

Golden Queen, the best yellow Raspberry; might be called a yellow Cuthbert, of great size, of very high quality, very
hardy and productive, canes are of strong growth, ripens in mid-season.

Gregg, black, the best of the late varieties, very large and requires good soil to produce best results.

London, red, ripens moderately early, and holds out very late, highly productive, claimed to exceed all others in this
respect, a good shipper, of superior quality and attractive crimson color.

Price—10c. each; 60c. per dozen postpaid; $2.00 per 100 by express.

Books on Horticultural and Kindred Subjects

We list on page 3 of the cover a line of books, which will give full information on raising vegetables or
flowers, bulbs, shrubs, small fruits, chickens, etc., etc., be it for profit or pleasure, and we are sure that
these books will be a great help to everybody.
Pioneer Fertilizers

Pure and Unadulterated

FEED YOUR SOIL

Commercial Fertilizers are sure to come into more general use as fast as they are tried. Their quick and direct action commend them to the gardener and farmer. A customer who once buys almost invariably continues its use. The enormous quantities sold every year give the best evidence of its utility and value to the gardener and farmer.

Desiccated Bone. Guaranteed analysis: Ammonia, 1.50 to 2.50 per cent; Phosphoric Acid, 25 to 30 per cent; Bone Phosphate, 55 to 65 per cent. Is a pure animal bone, without adulteration, from which all the grease and gelatinous matters have been extracted by a patent process, leaving the resultant bone in a finely divided state. Numerous tests have shown that the results from using Desiccated Bone are more satisfactory than those with Raw Bone, because the former is more quickly decomposed in the soil, and the phosphoric acid is more readily rendered available as food for growing plants. Price, 200-lb. bag $1.25; in ton lots $1.50. Recommended for use on bottom lands or where there is a good supply of moisture for all kinds of grain, and also for strawberries and fruit trees, in connection with some form of potash. May also be used to good advantage combined with barnyard manure.

Sheep Manure. A pure, natural and nutritious Fertilizer, immediate and lasting in its effects; excellent for mixing with soil for greenhouse plants. In the vegetable garden and farm it promotes a rapid, steady growth during the entire growing season. It also makes a rich liquid manure for market gardeners’ use. One of the best fertilizers for the lawn. Price, 100-lb. bag $1.00; half ton $8.00; ton lots $15.00.

Nitrates of Soda. The most valuable Fertilizer known for the trucker, gardener and fruit grower. Will give immediate results. It is chiefly a stimulant; it is used in addition and mixed with barnyard and other fertilizers. It comes from Chile, and is very quick in its action and hastens the maturity of crops. Price, sack, 100 lbs. $1.25; half ton $8.50, ton lots $15.00.

Muriate of Potash. Contains 50 per cent. actual potash. Price, nominal, per bag of about 224 lbs. $8.50; per ton of 2,000 lbs. $25.50.

Prices on Nitrates of Soda and Muriate of Potash are subject to market fluctuations.

Pure Persian Guano. (Genuine Lobos Brand.) Free from adulteration. One lb. 10c.; 10 lbs. 60c.; 25 lbs. 1.25; 50 lbs. 2.50; 100 lbs. 5.50; per ton of 2,000 lbs. $19.00. One ton of pure guano is worth twenty tons of stable manure. Mixed in water (like Paris Green), it is most valuable in forcing garden truck, both in hotbeds and out in the field.

Land Plaster or Gypsum. Analysis: Sulphate of lime, pure gypsum, $1.25; carbonate of magnesia (a valuable fertilizer), 1.50; common limestone, 2.00; alumina silica and lime, 2.25. We have the genuine New York State Gray only, and this Land Plaster used as fertilizer gives better results for money invested than anything a farmer can put on his land. Valuable for all crops, especially in dry seasons where commercial fertilizers fail. Used by many potato growers. This is excellent to mix with Paris Green at the rate of 100 pounds of Plaster to 1 pound of Paris Green. Per barrel of about 300 lbs., on cars, $1.50; 5 barrel lots, per barrel, $1.25.

Ashes—Canadian Unbleached Hard Wood. Nature’s Fertilizer. Contains all of the fertilizing elements. Ashes correct sources of the soil, rendering sandy soils more capable of retaining fertilizers and making clay soils less stiff and more easily worked. They drive away Insects, and are indispensable for all crops requiring potash. They are very beneficial for garden and field crops, and are of high value for cabbages, potatoes, onions, strawberries, celery, fruit trees, corn, clover, wheat, grass lands and lawns. Price, per ton, $35.00; 200 lbs. $1.25; 100-lb. bag $1.00; 50-lb. bag $.50; 20-lb. bag $.35; 10-lb. bag $.20; 5-lb. bag $.10; special price for larger quantity.

Please let us know for what crop and on what kind of soil you wish to use fertilizer, and we will be pleased to write you what we consider best for your use.

Excelsior Brand Food for Flowers. An excellent fertilizer for house plants. Easily applied by dissolving in water. Clean to handle; without odor; produces rich green growth and profusion of flowers. Price 15c. and 25c. per package. Postage extra, 10c. and 15c.

Pioneer Lawn Dressing. No weeds. No litter around your house. Old and new lawns require stimulating in spring or in the fall after season of cutting and heat of summer. It is chemically prepared, containing only elements to make grass grow; has never failed to produce a rapid and rich green velvety lawn. By using this dressing all the unsightliness and disagreeable odors are avoided. No weeds will fill your lawns as they frequently do when stable dressing is used. It is very lasting, and by its use worms and other troublesome insects are driven from the soil. Should be sown broadcast at the rate of 600 or 800 lbs. to the acre, according to condition of lawn. 10-lb. bag 50c.; 25-lb. bag $1.00; 50-lb. bag $1.50; 100-lb. bag $2.25; 200-lb. bag $4.00; special price for larger quantity.

Honest-Dead-Bone Black. A fertilizer that immediately becomes available, assimilates with the soil and acts as a tonic to germinate the seed, hasten its growth, yield and quality. Good for oats, corn, barley, potatoes and other spring crops. Price, 200-lb. sack, $3.50; per ton, $32.50.

SALT. Agricultural. For top dressing asparagus beds. Apply very early in spring at the rate of 800 to 1,000 lbs. per acre. 50-lb. bags, $1.25; 25-lb. bags, $1.00; 10-lb. bags, $0.50; 5-lb. bags, $0.25; 1-lb. bags, $0.05; special price for larger quantity.

Tobacco Steams. An indispensable lawn covering for winter. They not only act as a protector, but impart large quantities of ammonia and drive away insects and moles. Price, bales of about 250 lbs., $2.50; per ton, $15.00.

NITRO-CULTURE

THE VEST-POCKET FERTILIZER.

Nitro-Culture consists of nitrogen-collecting bacteria which work in the soil and on the roots of leguminous plants, having the power to collect free nitrogen from the air and supply it to the plants. All plants need nitrogen, which is very costly when obtained by chemical process. The remarkable increase of crop frequently reported and causal inoculation is due wholly to the large known of nitrogen collected from the air by the Bacterium. Trial packages, 5c., postpaid; 1-ounce packages, $1.50 postpaid; 8-ounce packages, $5.00 postpaid; 20-ounce packages, $18.00 postpaid; 50-ounce packages, $40.00 postpaid.

Nitro-Culture can be applied only to leguminous seeds as follows: Alfalfa clover, red clover, alsike clover, crimson clover. Garden and field beans, garden and field peas, also vetches.


Nitro-Culture cannot be furnished for any crops like corn, wheat, potatoes, cotton, etc., but only those which are mentioned in the above list. Inoculated clover may be planted with oats or other crops, and we have reason to believe that they will be benefited.
WE SELL THE

Genuine Cyphers Incubators
FREE ON BOARD CARS, TOLEDO, OHIO
AT FACTORY PRICES

The Standard Cyphers Incubator
1908 PATTERN

Cyphers Non-Moisture Incubators

Cyphers Non-Moisture Incubators are now used on more large and successful poultry plantations and on public experimental stations, and by public industrial institutions, than all other makes of incubators combined.

Cyphers Unequaled Apartment Brooders

Cyphers Unequaled Apartment Brooders in Four Styles. Furnish a safe home for the large, strong and vigorous chicks. Hatches in Cyphers Incubators, insure rapid growth, constant health, fine form and lustrous plumage. These brooders are Certainty, Safety and Security combined.

LOW-PRICE INCUBATOR.

Farm Economy, capacity 110 eggs, $12.

If you are further interested in Incubators or Chick Food, send 10 cents to pay cost of mailing catalogue, entitled "Poultry Raising Made Easy and Profitable," 32-page descriptive circular and price list sent free.

SCIENTIFIC FEEDING

The poultryman who would attain the fullest possible measure of success must make a careful study of the feeding question and avail himself of the best and latest reliable information that scientific investigation is able to furnish him. To meet the wants of those who appreciate their feed of properly prepared and balanced rations, the manufacturers of our Feeders have, after a most exhaustive study of the subject, been able to prepare the feed that is best adapted for the use of those who aim at the highest results, the special foods listed below. These foods are put up in 50 and 100-pound sacks. Full directions for feeding accompany each sack.

**CYPHERS READY MIXED POULTRY FOODS. PRICES SUBJECT TO MARKET CHANGES.**

Chick Food is a complete, scientifically compounded food for young chicks, and is a mixture of eleven different grains and seeds, proportioned as to meet all the needs of growing chicks and fully nourishing them. In compounding this food the protein (or flesh and muscle forming element) is maintained high; the carbohydrates (or fat and heat forming elements) are reduced to their proper proportion, and the ash (or mineral element) is in sufficient amount to supply the needs of the rapidly growing bird. If the chicks are to be developed into breeders, no other food is required for the first eight weeks.

**Developing Food.** A special food for properly maturing young chicks after they are ready to be weaned from Chick Food, and to carry them along to the age when it is desirable to place before them the larger whole grains.

**Forcing Food.** Where very rapid growth is required, as in growing broilers or roasters, a highly concentrated food can be fed, and for this work we recommend the Forcing Food.

**Scratching Food.** In combining grains to be used as an exercise food, scattered in the pens to make hens work for what they get, it will not do to make up a random assortment of any available material, for there should be a strong inducement for a well-fed hen to scratch for every morsel. A good scratching food, composed of materials that will be regarded with special favor, in fact something that they crave and at the same time not defeat the purpose of a balanced food. Cyphers Scratching Food is the best balanced ration, exercise food ever offered for sale.

**Laying Food.** The best balanced ration from which to make the morning mash, whether for chickens, pullets, hens, cockerels, capons, ducks, turkeys or geese. It is made from the best selected grains and contains no oat hulls or waste. The makers of this food manufacture nothing in the way of foods excepting poultry foods, and consequently have no by-products.

**Cat Clover Hay.** This is a standard green food for winter egg production, guaranteed 95 per cent. pure clover, contains the entire food plant, leaves, blossoms and all, reduced to edible lengths. There is absolutely no waste in this food and it is far superior to the ordinary cut clover. The Short Cut Clover Hay needs only to be used to be appreciated.

**Malted Clover.** This is the pure clover plant reduced to a fine meal. It is guaranteed 95 per cent., pure clover and contains the entire food plant, stalks, leaves, blossoms and all, nothing being removed. This is the best form of clover for use in mash food for small chicks, the meal being ground just sufficiently coarse to give bulk to an otherwise soggy mash.
POULTRY SUPPLIES AND REMEDIES

Philips' Lice Powder. This powder is not a lice driver but a lice killer. In offering Philips' Lice Powder, we present a belief to be stronger than all others on the market. It is carefully compounded and contains no chemicals that will injure young chicks or the vitality of the eggs. Clean to handle and easy to apply. Positively will kill lice on poultry, cattle and horses. Far less expensive than those tinctures, oils and ointments sold at a higher price. A trial package will convince you.

Prices: 5 oz. package (trial size) 10c.; postal package 15c.; 15 oz. box 25c., postal 40c.; 48 oz. box 50c.; postpaid $1.00.

Philips' Lice Paint. A dead-sure liquid lice killer for use with poultry or stock. It is a scientifically compound prepared for use in killing lice, mites and other parasites on fowls, and which also does excellent execution of lice and mite work on hogs, horses, cattle, and as a typewriter ink. Makes an excellent lice vapor which arises from the Lice Paint is what does the work. This vapor is not injurious to fowls or people, and is a sure death to lice, mites and other insect pests. It is easy to use and when sprayed on roosts and dropping boards works through the fowls sleep.

Prices: 1 qt. cans 35c. each; 5 gal. cans, 50c. each; gallon cans, $1.00 each.

All Kinds Roup Cures. These roup cures are positively guaranteed by the manufacturers to cure roup in all forms. It is used by simply mixing with the drinking water, the chick taking its own medicine. It cures roup, prevents and cures all ills where there is a watery running at the nostrils and eyes, and is unequaled for the cure of canker, especially in poultry. Philippine Roup, makes 25 gal. of medicine, price, postpaid, 50c.; large size package makes 75 gal. of medicine, price, postpaid, $1.00.

Rust's Roup Pills, 25c. box.

Medicated Nest Eggs. These are the standard lice destroyer and nest egg combined. Sure death to lice of all kinds besides other diseases. A wonderful food for milk cows, increased production of milk, guaranteed with no fear of disease. A 100-lb. package brings $1.00.

Rust's Havens' Climax Condition Powder. This condition powder is just what every farmer and poultry raiser needs. Keeps stock and fowls healthy, cures gapes and cholera in fowls when used as directed, expels worms from horses; fed to poultry increases the production of meat and makes fowls fat and fleshy. It is a reliable poultry medicine and condition powder. An honest preparation at an honest price. Sure to give satisfaction. Price, one package 25c., if by mail 15c. extra for postage; 5 lb. box, equal to six packages, $1.00.

Rust's Egg Producer. Makes hens lay when eggs are high-priced. One of the best and most satisfactory preparations for poultry farmers for increasing the production of eggs is the Egg Producer. Its price is so low that it will be found by every farmer and poultry raiser to be an advantage worth while. A 25c. package makes 75 gal. of medicine, price, postpaid, 50c.; large size package makes 175 gal. of medicine, price, postpaid, $1.00.

Linseed Oil Cake Meal. Genuine Old Process, Experienced feeders claim this to be one of the most profitable foods for cattle, cows, horses, sheep, hogs and poultry. Keeps stock in a healthy condition; makes palatable meats; improves the quality and texture of cake; increases the value of milk, butter and cheese. A double gain in the rich manure that is left. Price subject to change. Price per 100 lbs. $1.75; per ton $32.00. No charge for bags.

Coarse Ground Bone for Poultry. This is about the size of wheat and can be fed like any other food in grain. The phosphorus of lime contained in bone assists in the formation of the egg, and largely increases the productiveness of hens. Prices: 1 to 10 lbs., 5c. per lb.; 10 to 50 lbs., 3c. per lb.; 100 lbs., 2.5c. per lb.; in ton lots 2c. per lb.

Crushed Oyster Shells. It is needless for us to urge upon the value of crushed oyster shells for poultry. Every producer realizes the importance of crushed oyster shells. One of the best producers of oyster shells, compounded and ground, at the rate of one tablespoonful, a quart of feed or wet food; afterwards, two or three times a week, and when the hens commence laying freely it can be discontinued. A 25c. package contains 16% tablespoonsful, Price, 1 lb. package 25c., by mail 45c.; 2 lb. package $1.00; 5 lb. bag $1.25, by mail 2.50.

Complete Grit. Complete Grit is clear, free from sand and dirt, and economical to use. It is light in color and the fowls eat it readily without waste. It contains the lime necessary for making egg shells, and in addition to this and its special grading qualities, it contains medicinal properties of special value. Supplied in three sizes: No. 1 for broilers, No. 2 for half-chickens, No. 3 for hens, turkeys, ducks and geese. Prices: 20 lbs. 40c. each; 100-lb. bags 75c.

Barley for Chickens, per bushel...$1.00

Beef Scrap, high protein, per 100 lbs. 2.75

Blood Meal, per 100 lbs. 3.50

Bone Cutters, Mann's, Standard and Wilson's, $5.00 and upwards, according to size and capacity.

Buckwheat for Chickens, per bushel...1.00

Caponizing Sets (Pilling's), per set...2.75

Charcoal, fine or coarse, in cartons, 15c. each, 2 for .25

Chicken Markers, Cyphers Punch, each...50

Chicken Markers, Lansdown, each...25

Chicken Markers, Philadelphia, each...25

Chicken Eggs, per dozen...25

Cholera, Gape and Roup Cure (Philippine)...35

Clover Cutters, each...6.00

Cow Cutters and Roup Powders (Philippine)...35

Corn Sifters, each...60

Corn Sifters, each...75 to 90.00

Cyphers Poultry Remedies, put up in glass vials...40

Cyphers Safety Brooder Stoves, each...1.00

Cyphers Safety Incubator Lamps, each...$1.00 and 1.25

Drinking Fountains, galvanized iron, small size, each...25c.; large size, each...25c.; 6 for $1.25.

Dry Food Hoppers (Cyphers), each....75

Egg Rollers, X, each...1.00

Feed and Water Holders, Hallock patent, small, medium and large size, each...75c., 1.00 and 1.25

Grape Worm Exterminators, each...25

Grit and Shell Boxes, galvanized iron, each...3.00

Grit Mill for Poultry Raisers, each...3.00

Head Lice Ointment, each...25

Insect Powder, each...15c. to...25

Killing Knives for Poultry, each...50

Lee's Lice Killer, ½ gallon...60

Lee's Germozone...1 gallon...1.00

Leg Bands, different makes for pigeons, small and large, from...Per dozen...15c. to...25

Meat Meal, per 100 lbs. 2.25

Millet for Chickens, per 100 lbs. 1.50

Napagrol, per gallon...1.50

Paper Egg Boxes, per dozen...1.50

Roup Cure (Conkey's), each...50

Roup Cure (Cyphers'), each...50

Roup Cure (Philippine), each...50

Roup Cure (Russell's), each...25

Salpeter Fumigating Candles...25

Slaughter Seed, large Russian, per lb....10

Thermometers, Incubator and Brooder, each 50c. and...60

Wall Fountains (Cyphers'), 1 gallon...50

" " (Philippine), 1 gallon...75

" " (Philippine), ½ gallon...50

" " (Philippine), 1 gallon...75

Wicks for Incubator and Brooder Stoves, each...92

Per dozen...30
Spraying Outfits

SPRAYING FRUIT TREES BY HAND AND HORSE POWER

Spraying is no longer an experiment, but a science and a necessity to secure a crop of fruit.

Nearly everyone is now familiar with the practice of spraying plants with various insecticides and fungicides, for the prevention of injury by insects and disease and to keep the fruit marketable. But in the United States, by proper spraying a large part of this immense loss can be prevented.

The spraying should be done by means of a spray pump, many styles of which are on the market. To do satisfactory work in spraying one must have a first-class outfit. The pump must have its working parts made of brass, as the fungicides soon corrode iron or tin. The nozzle must be of solid brass, and if it will throw a solid stream, much the better for its general utility. The kind of spraying outfit which should be selected will depend entirely upon the kind and amount of work to be done.

We here offer to our customers a complete line of spraying appliances, such as we consider good in every way, and the best made for the price asked. The different Sprayers we offer can be used in many ways for spraying the garden, orchard, vineyard for florists, nurserymen, fruit and tobacco growers, poultrymen and stock raisers.

LIGHTNING SPRAYER

This little liquid Sprayer weighs one pound. Is cheap and durable and will soon be wanted by every farmer and gardener in the country. Once filling will cover 1,000 hills of potatoes. This is the best Sprayer for farmers' wives to spray house and garden. A few drops of kerosine emulsion may be used with any kind of liquid. A nurseriesman, farmer, or florist can easily make his own.

These machines have been used by the leading florists and gardeners in the United States with the greatest degree of satisfaction. It sprays a mist as fine as a cloud of smoke, which being damp adheres to the plant; it is worth its cost many times each season to any household; it will surely disinfect any place, and destroy any living insect if the proper liquid is used. Kerosene emulsion may be used on most any kind of plant without harming same. When using operate with a quick stroke.

Care of Sprayer.—Keep the leather plunger soft and pliable with a few drops of turpentine. If small tube enters cup at point of air chamber clogs, remove obstruction with small wire; always rinse cup well with clean water, and dry before putting away. With reasonable care it should last for years.

DOUBLE ACTING SPRAYING FORCE PUMPS

Aquaject Portable Hand Force Pump. Fitted with suction hose to draw water or other liquids from a pail or other source, even 29 or more feet off. A perfect miniature fire engine of brass and malleable iron. Serviceable for home, garden, orchard, washing buggies, etc. With suction and discharge hose, brass discharge pipe and sprayer and agitator. Complete, $1.00.

Phillips Improved Bucket-Spraying Pump. The easiest working and most powerful garden pump ever produced. Good for all kinds of work, general purpose, whitewashing, etc. Has proven that it lasts longer, works easier, throws farther and has more use than any other bucket pump made. Guaranteed in every way. Price, $3.00.

Outfit B. Double Acting Spray Pump, with hose for attachment to either side or top of barrel. This pump has brass-lined cylinder, brass-cored differential plunger, and large air chamber. Price, $2.50. A 1 ft. 1 in. iron suction pipe with brass strainer and two leads 1 ft. each, ½ in. discharge pipe with Mason (or other) spray nozzle, $1. For a pump with one lead hose only, $5.50.

These outfits can be mounted on wagons and planked sleds at very trilling expense and trouble. We can guarantee these outfits to give good satisfaction.

Outfit P. Represents our new improved Brass Spraying Pump with brass upper and brass-lined lower cylinders, brass plunger, brass check valve and brass valve seats. All working parts coming in contact with the liquid are brass. The body of the Pump is a large air chamber, and after the Pump and the hose is filled by a steady charge lasting two minutes, a single stroke of the handle, thus making it easy to operate. Is double-acting, discharging half of water on up stroke and half on down-stroke of handle. The ease with which it is operated makes it a general favorite, and we guarantee it to give satisfaction. Price, 1 Lead Hose, $3.50; with 2 Leads Hose, $11.00.
PHILIPPS' COMPRESSED AIR SPRAYER

Philips' Compressed Air Sprayer for spraying trees, small fruits, potato vines, etc.; also for house use as a fire extinguisher, and many other uses.

DESCRIPTION.—The Sprayer body is made of heavy polished brass or galvanized steel as desired. Top and bottom are dome shaped; joined to body under heavy pressure, making a complete double seam. The body is supported and further strengthened by a heavy steel band around the bottom. When completed this body is tested under double the pressure to which it will be normally used, so enabling you to secure a finer spray for a longer length of time than with any other sprayer we have ever made.

The discharge of our new Improved is at the bottom, and the pump can be entirely drained of heavy brass, two inches in diameter. Hose couplings are solid brass, standard cut threads, ends heavily ribbed to prevent hose slipping off. Hose is heavy copper, three-ply, supported by a coiled spring, bell-shaped at outer end to prevent breakage, and safety valve is provided to allow air to escape after the necessary pressure has been obtained.

The "Kant-Klog" Nozzle furnished with this machine without extra charge, makes two bell apertures of different sizes and fineness: one flat spray and two sizes of straight streams. The new Spring "Hose-Cock" shown above is also furnished without extra cost. Sprays of four different sizes, and can be carried either by carrier strap or pump handle. Price, galvanized, $1.00; brass, $5.50. Extension Pipes, 2-ft. lengths, galvanized steel, brass ends, 30c.; solid brass, 55c. Elbow connection, solid brass (for low down work), 45c. Auto-Spray Torch (length of flame, 4 ft. 6 in.), $1.00.

We carry in stock a full line of Wood and Iron, also Combined Lift and Force Pumps of various sizes. Galvanized Steel Curbing, Fixtures, Gate-Fittings, Iron Pipe, Wood Tubing. All of these goods sold at the very lowest prices.

PHILIPPS' HANDY KNAPSACK SPRAY PUMP

For Orchard, Vineyard or Field Service.

Compressed Air Sprayer, With Kant-Klog Nozzle.

Our Improved Knapsack Sprayer Pump which we have designed and which experience will, we feel confident, prove the best pump of this character upon the market. It is made of brass and copper, with rubber ball valves and metal plunger, all of which are easily accessible, and can be, therefore, readily examined and repaired. It is so arranged and stayed in the reservoir that it is a good sample of doing long and continuous service and will not easily get out of order.

The discharge of our new Improved is at the bottom, and the pump can be entirely drained of heavy brass, two inches in diameter. Hose couplings are solid brass, standard cut threads, ends heavily ribbed to prevent hose slipping off. Hose is heavy copper, three-ply, supported by a coiled spring, bell-shaped at outer end to prevent breakage, and safety valve is provided to allow air to escape after the necessary pressure has been obtained.

The "PRIZE" Knapsack Sprayer is provided with special attachment for clamping the pump receiver in the belt, and can be easily removed to tank, and has a handle by which tank may be carried after removing the lever and its handle. In this way it can be used similar to a bucket pump. Horticulturalists will appreciate this novel feature. The price is very low—only $5.00. Working parts of the pump are brass, which will resist the action of acids contained in the fungicides.

A Return Stream Agitator, made by a hole through the lower valve, stirs the liquid and keeps the strainer free from sediment. No other Agitator of this kind can so thoroughly agitate the spraying solution.

Nothing could be more convenient than this apparatus for use in greenhouses and gardens. It is an excellent Potato Sprayer where any solution is used such as Bordeaux Mixture and Ammonical Solution of Vineyard Carbonate. To resist the action of acids, a copper tank is preferable.

The "SUCCESS" represents a new and excellent pump for use in gardens, particularly greenhouses, for washing window panes and buggies; also for spraying poultry houses. The working parts are all brass and bucket foot-rest is made of malleable iron. Nothing could be simpler and more durable than this pump for air chamber space and is double acting, throwing an absolutely continuous stream, either solid or in fine spray. The end of hose connecting with pump is coiled with brass spring wire, adding largely to its durability. The "BORDEAUX" Nozzle, the best combination spraying nozzle on earth, is furnished with "SUCCESS" Pumps. Price, $4.00.

The "BORDEAUX" Combination Spraying Nozzle is the simplest and best Knapsack Spraying Nozzle on the market. It throws solid stream or fan-shaped spray, adjustable to any fineness; is readily degorged by turning the cock handle. It will also throw a long-distance, coarser spray for spraying very large trees, or it may be shut off altogether—features possessed by no other spraying nozzle. It can be used with any of our spray Pumps for both 1/2-inch plain and Vermorel Nozzle, $13.00; less Vermorel Nozzle, 8-inch Lance and Lever, $15.00.

Seccol's Rubber Sprinkler, Indispensable for floral work and gardening. Invincible when once tried. Very useful for dampening clothes or sprinkling in any way. Beware of imitations, as this is the best. Price, $1.00; same style, medium, 75 cents; small, 50 cents.

Seccol's Rubber Paint Sprinkler, for glazing windows, etc., the hand shoots the putty along the sash edges. Price, 85c. and $1.00. Every florist and gardener should have one of these bulbs.

Seccol's Pressure Green or Dry Powder Gun. Complete, with 4 extra tubes, 8 nozzles, oil can, 2 straps, $7.50. Full information as to the mixture and proper use of Powder Gun.

Insect Powder Gun. The most popular in the market, with screw cap in place of cork, which allows a larger opening for filling with powder. We furnish several sizes, Prices, 10c., 25c., 75c., and $1.00. These are the best.

Bellow of different sizes, with patent powder receiver which cannot choke up. Belloows, 12, 16, 24 and 30 inches. Prices, 75c., $1.00, $1.25, $1.50, $2.00. Scollay's Rubber Sprinkler.
INSECTICIDES AND FUNGICIDES

This list contains the best that are made for Spraying Fruit Trees, Shrubs, etc., also for use on Animals.


Azon. A rat virus, for exterminating rats and mice. Package, $1.00.

Blue Vitriol (Sulphate of Copper). Now very extensively used in spraying grapevines in large vineyards and orchards. Price, from 8c. to 10c. per lb., according to quantity.

Horridous Mixture (Dry). Preventive for blight, 20c. per pound.

Cattle Comfort. We have several different makes, for insects on domestic animals. Price, quart can, 50c.; gallon can, $1.25.

Cantharic Soda. Used on shade trees. 10c. per lb.

Elm Tree Oil Soap. A popular insecticide for greenhouse and house plants; it trees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy bug, scale, red spider, aphids (black and green), thrip, blight, worms and slugs, and is also an excellent remedy for animal parasites and insects. One ounce makes one gallon, mixed with water. 1/2-lb. tins, 25c.

Gopher Killer. Quart cans, 50c.

Grape Dust. For Mould, Mildew or Rust mites. 5-lb. package, 30c.

Green Vitriol (Sulphate of Iron). Used on the farm in many ways. Price, 3c. to 6c. per lb., as to quantity.

Hellebore, Powdered White. For the destruction of Slugs, Worms, and Caterpillars. Less poisonous than Paris Green and London Purple, and safer to use when fruits and vegetables are nearly ripe. Can be used as a powder or dissolved, 1 oz. in 3 gallons of water. Price, 25c. per lb.

Hormeum. The San Jose Scale Killer for winter use. Dilute, 20 to 50 parts water. Quart cans, 25c.; gal. cans, $1.00.

Lice Killer. We have several different kinds in stock, both powder and liquids. 25c., 50c., 60c. and $1.00 per pkg.

London Purple. Very poisonous and equally as efficacious as Paris Green, and more soluble in water. Price, 25c. per lb.; 10-lb. lots and over, 20c. per lb. If by mail, add 15c. for postage. Use in the same way as Paris Green.

Paris Green. A poisonous, insoluble powder, indispensable on the farm or garden, for preventing the ravages of Potato Bugs, Codling Moth, Worms, Caterpillars, Slugs and Hugs. Applied as a powder it should be mixed as a plater or flour, 100 parts to 1 part of Paris Green; in solution mix 1 lb. in 200 or 300 gallons of water. Price, 1-lb. package, 35c.; 100 lbs., $3.00.

Slug Shot. Slug Shot is an impalpable powder, a combination of insecticides; poisonous to insects preying upon vegetation, and with an excellent fertilizer, affecting nearly all classes of insect life, so that they either die or leave for parts unknown. It kills the potato bugs in all stages of their growth. It kills the black fleas on Cabbage, Turnips, Beets, Radishes and Egg Plants. Apply by dusting over the plant. It kills the cabbage worm, and also the Currant and Gooseberry worm; the Aphid or Green Fly on Roses and other flowers. Has prevented the ravages of the Curculio and Canker Worm on fruit trees; used for Beans, Moringa, Squash, and other Vines. Keeps the striped bugs from all vine crops. For full information and testimonials from all sections of the United States, apply for Pamphlet, "Hammond's Slug Shot and Its Uses." Slug shot is put up in 5 and 10-lb. packages, and in four barrel boxes, boxes that contain 25 lbs. each. It is applied by a duster or bellows. Price, for 5-lb. package, 25c.; 10-lb. package, 50c.; 100 lbs., 40c. lb. Full directions on every package.

Sternberg Weed Killer. The most powerful weed killer known. 1-lb. Trade Mark.

Sterlingworth Weed Killer. The most powerful weed killer known. 1-lb. Trade Mark.

Sulphur, Powdered. Acknowledged to be one of the greatest insect and germ destroyers known. Price, 10c. per lb.; 10 lbs., 60c.; 25 lb. and over, at 5c. per lb.

Sulpho-Tobacco Soap. For feeding animals from Insects and washing the bark of trees and plants for scale, lice, etc. Price, 5-oz. package, 10c., or by mail, 15c. Dissolve 2 oz. to a gallon of water and apply with brush, sponge or spray.

Target Brand. This preparation is the most effective and practical means of controlling the San Jose Scale which has yet been found. It destroys insect life by contact—that means it kills scales, larvae, insect eggs, and all kinds of insects, either by absorption of the oil, or the formation of the fatal film, which destroys life by suffocation.

This preparation contains a combination of mineral and vegetable oils, and is easily mixed with water. Requires no cooking, and has therefore no disagreeable features like Lime Sulphur Wash. When diluted with 20 parts of water, it represents a 5 per cent. solution of mineral oil, sufficiently strong to be fatal to insect life, and yet remain perfectly harmless to buds, bark, and the growth of the tree. It can be diluted with either warm or cold water, and represents the cheapest, easiest to prepare, and the most reliable spray for fruit-growing, either on a large or small scale.

The action of Target Brand Scale Destroyer on the tree may be illustrated by placing a drop of oil on a piece of paper and noting its spreading capacity. It will be found that it covers many times its original size, due to its spreading power.

It does not clog the pump and nozzles, and as a consequence there is far less straining of the apparatus than when using Lime Sulfur Wash.

Directions—For winter treatment, use 1 gallon Target Brand to 20 gallons of water. For late spring treatment, use 1 gallon to 30 gallons of water. For summer treatment use 1 gallon to 40 or 50 gallons of water.

Tobacco Extract. For greenhouse use. Quart cans, 50c.

Thrip Juice. For Scale, Mealy Hug, etc. One gallon to 200 parts water. Gallon cans, 1.50.

Tobacco Dust, Fine. For green and black aphids, fleas and beetles. Excellent for burning in greenhouses. Splendid fertilizer and preventative for insects in the ground and around roots. Price, 10c. per lb.; 5 lbs., 35c.; 10 lbs., 50c.; $2.50 per 100 lbs.

Tobacco Stems. For fumigating greenhouses and conservatories. Price, 50 lbs., 75c.; 100 lbs., $1.00; per ton, $15.00.

White Oil Soap. Makes an excellent greenwash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from chewing up. Price, 15c. per lb.
Dairy Supplies of all Kinds

THE REID AND NATIONAL CREAM SEPARATORS
WRITE FOR CIRCULAR AND PRICES.

DOUBLE-ACTING DASHER CHURNs

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Capacity</th>
<th>Price</th>
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BARREL CHURNs

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<td>7</td>
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<td>60 gallons</td>
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Barrel Churns should never be filled quite half full. Power Barrel Churns priced on application.

REID HAND BUTTER WORKER

The best, strongest and easiest operating machine made.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Capacity</th>
<th>Price</th>
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<td>13 x 22</td>
<td>10 lbs.</td>
<td>$4.75</td>
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MILK AND CREAM BOTTLES AND CAPS

Bottles—1 pint, $1.25; 2 quarts, $1.25; 1 quart, $2.50. Bottle Caps, 25c. per 1,000.

Pilling’s Patent Coin Silver Milk Tubes, in the following sizes:

- 1½ in. long, 50c.; 2½ in., 65c.; 3 in., 80c.; 3½ in., 95c.; 4 in., $1.10; 4½ in., $1.25, postpaid.
- $0.25

Floating Dairy Thermometers, postpaid, each.

- Reid’s 2½ and 1-pound Hand Butter Moulds... each. $1.50
- Reid’s 2-pound Hand Butter Moulds. each... 2.50
- Milk Bottle Brushes, each... 30c.
- Milk Can Brushes, each... 15c.
- Pioneer Brand Genuine Vegetable parchment Paper, 8 x 11-inch size, per 1,000... 80c.
- Pioneer Brand Genuine Vegetable parchment Paper, Circles 7½ inch, per 1,000... 75c.

WYANDOTTE DAIRYMAN’S CLEANER AND CLEANSER

Wyandotte Dairyman’s Cleaner and Cleaner is inexpensive and easy to use. Not only is it a dairy cleaner, but it also possesses properties which make it a cleaner of superior merit for all household purposes. It is packed in 5-lb. cotton sacks, which prove a convenient size for both the large and small user. We recommend this cleaner without hesitation and know that you will find it all that it is claimed to be. We can now furnish you this cleaner in any quantities desired. Price, per 5-lb. bag, 25c.

GARDENING AND HORTICULTURAL TOOLS

A full line, of which we will mention the following:

- Forks—Digging and Spading, Hay or Stable... $0.30 to $1.50
- Prongs—Manure and Short Handled... $0.30 to $1.25
- Grafting Wax, in ½ and 1 lb. packages... $0.10 to $0.25
- Grass Hooks, each... $0.25 to $0.75
- Grass Edging Knives... $0.50 to $1.00
- Hoels—A Full Line... $0.20 to $1.00

Rollers—Garden and Field... $9.00 to $25.00
- Scythe—English and American Lawn Grass... $0.50 to $1.25
- Scythe Stones, each... $0.10
- Saws—Pruning and Grafting... $0.50 to $1.50
- Transplanting Trowels... $0.10 to $0.25

Weeders—Lang’s, Noyes and other makes... Price, 25c.

Price, 15 cents.

Hedge Shears, Best English Steel, $1.75 each.

Pruning Shears, Solid Steel, Improved Springs, 50c. up to $1.25.

Greenhouse Syringes, $1.25 to $6.50.

The Wilson Spring Whiffletree, Price, pair, $1.50, $1.75, $2.00.
RETSoF LUMP ROCK SALT

Retsof is a pure Rock Salt in lump form, which can be put in convenient places for stock to lick at will, thus securing salt when the system requires it. This salt goes four times as far as any other.

<table>
<thead>
<tr>
<th>Single bags, 200 lbs.</th>
<th>Per bar 1.25</th>
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<tbody>
<tr>
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<td>Per ton 15.00</td>
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THE PHILIPPS' IMPROVED FEED COOKER

SIZES AND PRICES

No. 1.— Diameter of shell, 10 inches; height of shell, 10 inches; number of 2-inch flues, 9; length of boiler, 54 inches; shipping weight, 360 pounds; price, $25.00.

No. 2.— Diameter of shell, 13 inches; height of shell, 40 inches; number of 2-inch flues, 15; length of boiler, 58 inches; shipping weight, 450 pounds; price, $35.00.

The following fittings and trimmings are furnished with each Cooker: One safety valve, two gauge cocks, one pump, two valves, governor, steam from gauge, sufficient pipe connections and two feet of hose. It is fit with connections for one tank or barrel, but may be used with three or five, with additional pipe and fittings.

KEYSTONE ADJUSTABLE WEEDER AND CULTIVATOR

This Weeder we Introduce on its merits and can truthfully say that it is the very best Weeder made. Every farmer and gardener should have one. Price, $10.00.

THE LITTLE GIANT HAND BROADCAST SEED Sowers

The Greatest Labor and Seed Saving Invention of the Age. Prices, delivered at your Express Office, charges paid by us:

Little Giant Low Seder.— Single one, $1.50; three in one order, $4.00; six in one order, $7.50.

Little Giant Crank Seder.— Single one, $1.75; three in one order, $5.00; six in one order, $9.00.

These are the best built, easiest running, most perfect machines on the market. They save one-third seed and two-thirds labor. Weigh but three pounds. Man or boy can sow on hilly, stumpy, rocky and rough, as well as on clean and old land, perfectly even any desired quantity (one quart to three bushels per acre) of Clover, Timothy, Millet, Hungarian, Flux, Wheat, Rye, Oats, Peas, Corn, Orchard Grass, Red Clover Top or other seed. A liberal amount to agents and dealers, write for special circles and directions. We sold thousands of them in the last few years and every one gave the best satisfaction, as hundreds of the most flattering testimonials from all parts of the United States will tell you. We guarantee either one to give entire satisfaction, the allow entire exchange, or your money back, on each single Seder and 25c, each on orders for three and six, ordered and shipped with squares, at purchaser's expense.

CHURCH, SCHOOL AND FARM BELLS

The celebrated Beattyville Bells for Churches, Academies, Schools, Court Houses, Fire Alarm, Factory and Farm. Unrivaled for sweetness, purity of tone and durability. Kindly let us know what kind, size and tone Bell is wanted, and we will send descriptive circulars and prices. They are guaranteed for two years, and if broken at any time will replace a new Bell for one-half of price.

Crystal Metu Farm Bells, Nos. 1 to 5, from $1.25 to $3.00 each.

THE IMPROVED CLIPPER GRAIN AND SEED CLEANER

The Most Perfect, Strongest and Cheapest Mill on Earth. This Mill will do What no Other Mill Ever Has or Will Do.

This Clipper Mill, No. 1, is for general use, and furnished with 10 sieves, suited for all kinds of grain and seed, none of which are zinc-steel plates, the best material for sieves, as it will not rust. This Mill cleans Wheat, Rye, Barley, Corn, Oats, Beans, Buckwheat, Coffee, Spice, Flux, Clover, Timothy, Millet, Hungarian and all other grasses and garden seeds with ease through, and leaves no tailings to be re-cleaned. They separate Peppergrass, Plantain, Buckhorn and other foul and noxious seed from Clover and Red Top; Plantain and Peppergrass out of Timothy Seed. The only Mill which separates Red Clover, Timothy, Dock and noxious seed from Asilke Clover. It separates Cockle and Mustard from Wheat and Oats. You can grade all your grains perfectly for seed.

Another important and strong point of the Clipper Mill over others is that they are more compact and stronger built. They have a large box which the grain and seed drops into, and the price is as low as any ordinary mill. Price, No. 1, $20.00; No. 2, $25.00.
IMPROVED CUTAWAY AND OTHER HARROWS

The famous Clark's Cutaway Harrow supersedes the plow and makes a perfect seed bed. Clark's Improved Cutaway Harrow is "the Boss." It beats anything in the way of a Spading and Pulverizing Harrow ever introduced. With it you can prepare your land for oats seeding without plowing. They have no equal. We have tested them with other so-called Spading Harrows and found they were no competitors to the CUTAWAY. Hard clay or stubble made into a perfect seed bed. Has also seedling attachment, for sowing all kinds of grain and grass seed. We have all sizes of them for one, two and three horses. Also Cultivators for use in corn, orchards and vegetable gardens for fruit growers especially. No tiller of soil can do without it. We have sold them for the last twenty years and have the most flattering testimonials, and can refer to hundreds who use them. We have the exclusive agency for them in this section, and sell them at manufacturer's prices. Call and see or send for full descriptive circular and prices. Price, $11.00 for 2-Horse Harrow. Catalogue and prices upon application.

P.W. Evans' Adjustable Steel Frame Lever Harrows—50, 60, and 70 Solid Steel Teeth. It is acknowledged to be the most perfect Harrow on the market. Price, $10.00, $11.00 and $12.00 each.

FARM WAGON BOLSTER SPRING

The above cut shows the best Farm Wagon Bolster Spring now made, and you run no risk in sending us your order.

IMPROVED HAND CORN PLANTER

Smith's Celebrated Ohio Corn Planter. This Planter has stood the test for 40 years, and never failed to receive the highest commendation in a single instance. Price, $2.00. Special price in dozen lots.

The Eureka, Triumph, and other Hand Corn Planters, 75c. to $1.00 each; less price for dozen lots.

ACME HAND POTATO PLANTER

This is the pioneer implement of its kind. Simple, Practical, Durable. It is the lightest (weighs but 2½ pounds), strongest and most durable Hand Potato Planter yet made. Puts in the seed cheaper, easier and better than any other method. Works perfectly in clay, gravel or sandy soil, sod or new ground. Any farmer with less than thirty acres of potatoes to plant can put his seed in cheaper with the Acme Planter than by any other way. It is considered a good day's work for a man to plant three-fourths of an acre of potatoes in a day. With an Acme Planter a man can plant two acres in a day of ten hours.

It makes the holes, drops and covers at one operation. Once over the field does the work. Special price, $1.00.

TOOLS FOR TOWNSHIP OR CONTRACT WORK

Columbus Solid Steel Square and Pressed Bowl, Wheel and Drag Scrapers.

No. 1—Winner Pressed Bowl Steel Scraper, $4.75.

No. 2—Winner Pressed Steel Bowl Scraper, $5.50.

No. 3—Winner Pressed Steel Bowl Scraper, $6.25.

Add 25 cents extra for Runners.

Stagg Wheel Scraper, Square Bowl

No. 1, $2.50; No. 2, $3.50; No. 3, $4.00. Pressed Bowl, No. 1, $2.50; No. 2, $3.00; No. 3, $3.50.

Columbus Wheel Scraper.

Doan's Patent Board Scraper. One size $4.50

Be sure to buy no other make, even for less money, as the genuine Doan is the only ditching scraper worth buying.

We carry in stock heavy grade and contractors' Plows, suitable for two to ten horses. Also agency for steam or horse Rollers, Road Machines, etc. Can furnish Mattocks, Picks, Shovels, etc. So please let us know your wants in that line, when we will name you right prices for best goods money will buy.

RIDING AND WALKING PLOWS

For Farm Use, Contract or Grading. We carry in stock a full line of both plows and repairs, Kindly state your wants and will be pleased to let you know what we have to offer, also quote prices.

The Toledo Burch, also South Bend steel and chilled one and two-horse plows.

Guaranteed to please or money refunded.

PRICES:

One-horse, chilled $4.00

One-horse, steel 8.75

Two-horse, chilled 10.00

Two-horse, steel 14.00
"Planet Jr." Farm and Garden Tools

Space will not permit our showing and describing all of the "Planet Jr." tools, but we will send a fully illustrated catalogue free for the asking to any who desire it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us, you can rely on getting bottom prices.

**Planet Jr. No. 4 Combined Seed Drill, Single Wheel Hoe, Cultivator and Plow.** Price... **$14.50**

Price as a drill only... **$7.50**

This is the most popular combined tool made. It combines in a single implement, a first-class hill-dropping seeder, a Single Wheel Hoe or weeder, a cultivator and a plow. The hopper holds two quarts of seed, which can be sown in continuous rows, or dropped in hills at 4, 6, 8, 12 or 24 inches apart. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. It is useful almost every day of the season, at every stage of the garden work. With this one implement the small farmer can do practically all the work in his small crops.

**Planet Jr. No. 6 Combined Hill and Drill Seeder, and Single Wheel Hoe, complete, $14.00. Drill only... $8.50**

This is the newest combined machine. It has 1½-inch steel wheel and very accurate feeding device. Drops at the same distances as the No. 4 Drill. It is made with the greatest care, and simplicity of parts has been carefully kept in mind. It has an improved leaf lifter, and the equipment as a Wheel Hoe consists of two 6-inch hoes, three improved steel cultivator teeth and a large garden plow.

**Planet Jr. No. 12 Double Wheel Hoe, Cultivator and Plow.**

Price... **$7.25**

The No. 12 has a pair of 6-inch hoes, a pair of plows for opening or covering, and a set of 4 all steel cultivator teeth. The tools shown are what gardeners use most and others can be added as wanted.

**Planet Jr. No. 27 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow.** Price... **$14.00**

As a drill it is almost identical with the Planet Jr. No. 4 Drill, and is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills. As a Wheel Hoe it is identical with the Planet Jr. No. 12 Double Wheel Hoe, the very best machine on the market. The change from Drill to Wheel Hoe takes but a moment, and the whole combination is one we can heartily recommend and guarantee satisfactory.

**Planet Jr. No. 3 Hill and Drill Seeder.** Price... **$11.00**

This seeder is the latest and most perfect development of the single seed drill. It sows evenly in drills, and also drops in hills at 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly, so that it is perfectly safe and convenient to use. It can be used for drills at any time. The lever, or the flow of seed is stopped by pushing down the feed rod. No time is lost, no seed is wasted. It is quickly set to sow the different kinds of seeds in the exact thickness required.

**Planet Jr. No. 17 Single Wheel Cultivator and Plow.**

Price... **$5.25**

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work. Other attachments can be added at any time.

**Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer. Complete, $8.00; less pulverizer, $7.25, and less wheel, $6.00.**

Gardeners cultivate better than formerly. It has been found to pay best. The farmer or gardener is most likely to cultivate best who has the tool best adapted to his purposes. With the Twelve-Tooth Harrow here shown, you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry growers, market gardeners and truckers.
"PLANET JR." 1908 PRICE LIST

Call and see or send for "Planet Jr." Special Catalogue, fully describing and illustrating a large variety of hand and horse-power implements, superior to any other makes in the world.

<table>
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<tr>
<th>&quot;Planet Jr.&quot;</th>
<th>No.</th>
<th>Hill and Drill Seeder and Single Wheel Hoe</th>
<th>Packed Weight</th>
<th>Price</th>
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<tr>
<td></td>
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<th>Combined Wheel Hoe and Hill and Drill Seeder</th>
<th>Packed Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>&quot;</td>
<td>25 lbs.</td>
<td>$25.00</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>&quot;</td>
<td>25 lbs.</td>
<td>$25.00</td>
</tr>
<tr>
<td>&quot;Iron Age&quot;</td>
<td>No.</td>
<td>Combined Wheel Hoe and Hill and Drill Seeder, less attachments</td>
<td>Packed Weight</td>
<td>Price</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>&quot;</td>
<td>15 lbs.</td>
<td>$12.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;Iron King&quot;</th>
<th>Onion Seed Drill</th>
<th>Double Wheel Hoe</th>
<th>Packed Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>8 lbs.</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;Planet Jr.&quot;</th>
<th>Grass Drill</th>
<th>Double Wheel Hoe</th>
<th>Packed Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8</td>
<td>&quot;</td>
<td>27 lbs.</td>
<td>$6.25</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Horse Hoe and Cultivator</td>
<td>7 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Horse Hoe and Cultivator</td>
<td>9 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Horse Hoe and Cultivator (with wheel)</td>
<td>11 lbs.</td>
<td>$11.25</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>(as a seeder only)</td>
<td>4 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>(as a seeder only)</td>
<td>4 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>(without wheel)</td>
<td>5 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>(without wheel)</td>
<td>5 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>(without wheel)</td>
<td>5 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>80</td>
<td>(without wheel)</td>
<td>5 lbs.</td>
<td>$5.00</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>(without wheel)</td>
<td>5 lbs.</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;New Model&quot;</th>
<th>Hand Seed Drill</th>
<th>Packed Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>8 lbs.</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;Iron Age&quot;</th>
<th>No.</th>
<th>Double Wheel Hoe and Hill and Drill Seeder</th>
<th>Packed Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>&quot;</td>
<td>22 lbs.</td>
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<table>
<thead>
<tr>
<th>&quot;New Model&quot;</th>
<th>Hand Seed Drill</th>
<th>Packed Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>8 lbs.</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>&quot;New Model&quot;</th>
<th>Hand Seed Drill</th>
<th>Packed Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>8 lbs.</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

THE CHANDLER MOLE TRAP

A new Trap on common sense principles and sure death to the mole that enters it. A child can manipulate it with perfect safety. Price, 75c., c. c. o. Toledo.

This is the best Mole Trap on the market for several reasons: First—It will catch a mole from two to four inches deeper in the ground than any other trap sold. Second—You do not have to dig up from four to eight inches of your lawn to remove the mole from the ground, or weight the trap to prevent it springing out of the ground when tripped. Third—There are no sharp, needle-like spines laying around to endanger the lives of your children or stock. Fourth—When set it only extends five inches above the ground and seven inches in the ground, thus being the best trap on the market for roofs, and it will not interfere with the glass cover. Fifth—Being the only trap on the market that is absolutely self-setting. This trap is made of best steel and plated to prevent rusting.
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This wonderful Beardless Spring Barley has now been grown by us for several years past with the best results, so we can safely guarantee it in every way as being the very best barley for farmers to raise.

It is beardless, and the hull remains tight, which fact alone places it at the head of all barley.

Is six-rowed, of unusual length of head, well packed with solid plump grains clear to the tips.

Is the earliest to ripen, hence valuable to plant either in the extreme north or extreme south, and will do equally as well in the middle States.

Frost will not hurt it, and it can be planted early in March and ripens in June, therefore suited in every way to be easily handled by the farmer.

The straw is somewhat larger and taller than common barley, but much stiffer, and will stand up on any soil. Will produce about eighty bushels to the acre, and combines all the rich and nutritious qualities of the bearded sorts, and being beardless, is easily handled and can be fed to stock the same as oats.

By reason of the above facts this barley is worth more money to the farmer, especially so when you consider that barley weighs forty-eight pounds to the bushel, as against oats thirty-two pounds, besides producing more bushels to the acre and selling for twice the money per bushel.

Try it and you will be pleased with your bargain.

Price, $1.50 per bushel; 10 bushels or more, $1.35 per bushel.
Bags extra, 25 cents each.

**THE SPENCER SEEDLESS APPLE**

The Seedless Apple, like the Seedless Orange, is now a substantial commercial product, and we are pleased to offer the Spencer Seedless Apple Trees to our friends and customers. The trees we offer are two years old, hardy and thrifty, and will bear fruit in any climate where apples are grown. Have a hard, smooth bark and stand the cold weather better if anything than the ordinary varieties.

The apple is absolutely seedless, a winter variety, rich red color dotted with yellow, in size and flavor similar to Baldwin and an excellent keeper.

We offer home-grown two-year-old trees as follows: F. O. B. express Toledo:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Trees, 2 Years Old</td>
<td>$1.25</td>
</tr>
<tr>
<td>10 Trees, 2 Years Old</td>
<td>10.00</td>
</tr>
<tr>
<td>50 Trees, 2 Years Old</td>
<td>$40.00</td>
</tr>
<tr>
<td>100 Trees, 2 Years Old</td>
<td>75.00</td>
</tr>
</tbody>
</table>

Every one of our customers should have one or more.
Place your order now for spring delivery.

**THE HENRY PHILIPS SEED AND IMPLEMENT COMPANY**

115 AND 117 ST. CLAIR STREET, TOLEDO, OHIO