



No. 14



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Vegetable and Flower Seeds in Packets

MAKE YOUR OWN SELECTIONS.

Send \$.50 and select packets to the amount of... \$.60

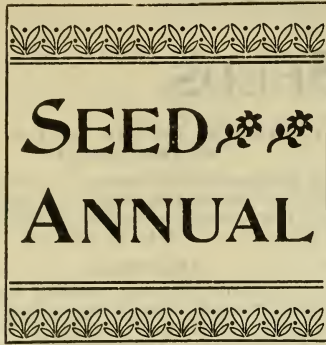
☐ \$1.00	"	"	"	"	.... 1.30
" 2.00	"	"	"	"	.... 2.70
" 3.00	"	"	"	"	.... 4.00
" 4.00	"	"	"	"	.... 5.50
" 5.00	"	"	"	"	.... 7.00

This discount, however, does **NOT** apply to Seeds by weight or collections, nor does it apply to orders sent at different times during the season. Always use our order sheets, and send for more if required.

VEGETABLE GARDEN FOR THE BOYS.

Small assortments of Vegetables. Take your pick for 25 cents. Order by number. We pay postage. No change in assortments will be allowed.

No. 1.	No. 3.	No. 5.
Black Wax Beans. Eclipse Beets. Wakefield Cabbage. White Spine Cucumber. Simpson Lettuce. Long Scarlet Radish. Purple Top Turnip.	Golden Wax Bean. Early Blood Beets. Danvers Carrot. Cool and Crisp Cucumber. Hanson Lettuce. Hackensack Musk Melon. French Breakfast Radish.	Early Summer Cabbage. Danvers Carrot. Evergreen Corn. Simpson Lettuce. Hollow Crown Parsnip. Scarlet Turnip Radish. Stone Tomato.
No. 2.	No. 4.	No. 6.
Refugee Beans. Early Blood Beets. Mammoth Cory Corn. Cool and Crisp Cucumber. Stratagem Peas. French Breakfast Radish. White Globe Turnip.	Early Valentine Bean. Long Blood Beet. Mammoth White Cory Corn. Danvers Onion. American Wonder Peas. Atlantic Prize Tomato. Purple Top Turnip.	World Beater Cabbage. Early Snowball Cauliflower. Country Gent Sweet Corn. Hanson Lettuce. Extra Early Red Onion. Stratagem Peas. Atlantic Prize Tomato.



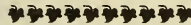
• 1899 •



BUELL LAMBERSON

180-182 Front Street,

PORTLAND, OREGON.



Distribution.

We mail this Catalog to all who have sent us cash orders in response to former editions the past three years. We desire to send it to all such buyers who value it enough to respond with orders, but can not afford to keep on sending indefinitely without results. This Catalog is our traveling salesman, and we expect it to make friends and customers.

We Want

Your mail orders, and if you will trust us with them we will fill them to your satisfaction. Our stock is always large, fresh and "up to date."

How to Order.

Be careful to sign your name and write the address plainly. We have a number of letters on file, some of them containing money, that we can not acknowledge because they contain no signature or address.

Send money or draft if possible. If you send coin, see to it that it is well wrapped so it can not break out of the envelope. Postage stamps will be accepted as cash.

Order Early,

Before the rush comes, and while we can send your goods by return mail. If you do not get prompt returns, please advise us.

We Pay Postage

On all Vegetable and Flower Seeds, in **packets, ounces, quarter-pounds and single pounds**, unless otherwise stated.

Prices

In this Catalog supercede and cancel all previous lists. We are always pleased to make special prices on large quantities, if customers will send us memorandum of wants. Please refer to this Catalog as No. 14.

VEGETABLE SEEDS.

ARTICHOKE.

LARGE GREEN GLOBE.

The variety used as a table vegetable. The edible portion is the thick end of the leaf of the flower head. It will produce only a small crop the first year, but will continue in good bearing about five years. Pkt., 5c; oz., 30c; ¼ lb., 90c.

JERUSALEM ARTICHOKE.

This variety is not produced from seed, but is cultivated for its tubers, which are especially valuable for stock-feeding on account of their fattening properties. They are the best hog food known. A preventive of cholera and other hog diseases. One acre planted in Jerusalem Artichoke roots will keep from 20 to 30 head of hogs in fine condition from October until April. Lb., 20c; 100 lbs., \$3.50.

ASPARAGUS.



ASPARAGUS.

COLUMBIAN MAMMOTH WHITE.

We believe this to be the most valuable variety in cultivation. The stalks are of the largest size, are produced abundantly and very early. They are clear white, and remain so in favorable weather, until three or four inches above the surface.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

CONOVER'S COLOSSAL.

A standard variety. One of the best-liked and best-known kinds in the market.

Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

PALMETTO.

This is a comparatively new variety, but has been in cultivation long enough to prove that it is a very desirable addition. It is much earlier than the ordinary sorts, very even and regular in its growth, and a heavy yielder. Pkt., 10c; oz., 20c; ¼ lb., 60c.

BEANS.

We **PREPAY POSTAGE** on packets or single pounds as listed. If wanted in larger quantities, to be sent by express or freight, **DEDUCT 10 CENTS PER POUND** from the pound price as printed.

DWARF, BUSH OR SNAP.

Yellow-Podded Varieties.

BLACK-EYED WAX.

Vines medium size, pods long, straight, proportionately narrow, and rounder than those of the Golden Wax, and of a lighter color, with medium length, light green point. They cook quickly, both as snap and as shell beans. As early as the Golden Wax, and of very good quality.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



GOLDEN WAX.

CHALLENGE DWARF BLACK WAX. EXTRA EARLY.

Market gardeners and others, to whom earliness is a matter of prime importance, cannot afford to be without this, which is truly the "earliest of all" the wax beans. Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

DAVIS WAX.

Vines of upright growth, holding the pods well up from the ground. For market and shipping it has no superior, as, when young, it is very crisp, tender and stringless. Dry beans, white.

Pkt., 10c; lb., 25c; 10 lbs., \$1.25.

GOLDEN WAX

Has been for many years the best bean for general use in cultivation, and even now it is a competitor with the newer sorts for first place. Vines medium size, erect, moderately spreading. Very hardy and productive, with small, smooth leaves, and small, white blossoms. Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

D. M. FERRY & CO.'S DETROIT WAX.

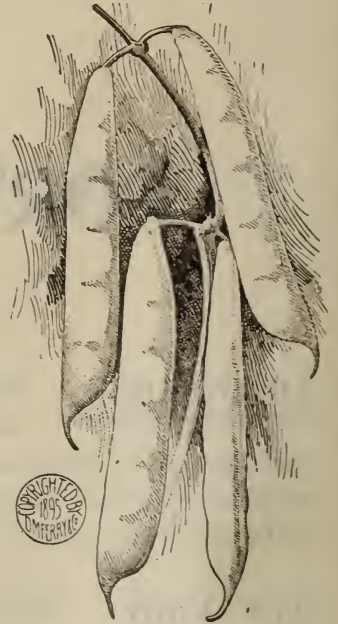
Rust proof. This bean combines hardiness and productiveness with fine quality. A strong growing bush variety, of remarkable vigor and freedom from rust. It sends out short tendrils on which pods are formed in addition to those near the central stock of the plant, which accounts for its wonderful productiveness, amounting under favorable conditions to 100 to 150 fold.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

WARDWELL'S KIDNEY WAX.

One of the best of the wax varieties. Ripens about the same time as the Golden Wax. The dry beans are large, kidney-shaped, white with dark markings about the eye.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



DETROIT WAX.

GREEN PODDED VARIETIES.

BROAD WINDSOR, OR ENGLISH BROAD.

This is entirely distinct from the common or French bean. The large, coarse pods are borne on stout plants which are coarser, more erect and less branched than the French.

Pkt., 10c; lb., 25c; 10 lbs., 75c.

BURPEE'S NEW STRINGLESS.

The Only Stringless Green-Podded Bush Bean in market. It is crisp and tender, and of fine flavor, and is **ABSOLUTELY STRINGLESS**. It is a good grower, very prolific, and very early.

Pkt., 15c; lb., 30c; 10 lbs., \$1.50.

DREER'S BUSH LIMA.

A dwarf form of the Challenge Lima having the same thick pod and large, thick beans, which made the Challenge so popular. It is hardier and matures its crop earlier than the dwarf Large White Lima, and the beans are of better quality.

Pkt., 10c; lb., 30c; 10 lbs., \$1.50.

EARLY CHINA RED EYE.

A good snap bean if picked young. The dry beans are best of all for baking.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

EARLY MOHAWK.

Very hardy. On account of this, may be planted much earlier than other sorts. Vines large and stout, with large, coarse leaves.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

EARLY RED VALENTINE IMPROVED.
(Round Pod.)

For snaps, there is nothing superior to this variety among the green-podded sorts, and many prefer it to the wax varieties.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

HENDERSON'S BUSH LIMA.

For convenience and practical use in the home garden, it is a really good thing, and deserves a permanent place among the garden beans. It grows without the aid of poles, in compact bush form, about 18 inches high, and is very productive.

Pkt., 10c; lb., 25c; 10 lbs., \$1.15.



EXTRA EARLY REFUGEE.

Vines are vigorous, hardy, and productive as ordinary Refugee, though ten days earlier, and about the same size and shape, and fully as good quality for snaps.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

ROUND YELLOW SIX-WEEKS, IMPROVED ROUND POD.

A first-class string or shell bean.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

LONG YELLOW SIX WEEKS.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

ROYAL DWARF KIDNEY.

Plants large, branching, with large, broad leaves and white flowers; pods medium size, variable in shape, dark green, coarse; beans large, kidney-shaped, and of excellent quality, green or dry.

Pkt., 10c; lb., 20c; 10 lbs., 65c.

POLE BEANS.

DUTCH CASE KNIFE.

Good corn hill bean, very early; pods are long and flat; beans white; used green or dry.

Pkt., 10c; lb., 25c; 10 lbs., \$1.15.

GOLDEN CHAMPION.

Medium size to large, with golden yellow stems. Pods long, cylindrical, much curved, very fleshy, stringless, bright golden yellow color, of excellent flavor, and borne in clusters.

Pkt., 10c; lb., 25c; 10 lbs., \$1.25.

INDIAN CHIEF, OR TALL BLACK WAX.

Pods short, broad, fleshy, white, very wax-like, and of superior quality as snaps, remaining in suitable condition longer than most varieties; beans indigo blue.

Pkt., 10c; lb., 25c; 10 lbs., \$1.15.

LONDON HORTICULTURAL, OR SPECKLED CRANBERRY.

Vines moderately vigorous, with large, light-colored leaves and purple blossoms; pods short, broad, pale green, but becoming streaked with bright red; beans large, ovate, splashed and spotted with wine red, and of the highest quality, either green or dry.

Pkt., 10c; lb., 25c; 10 lbs., \$1.15.

KENTUCKY WONDER, OLD HOMESTEAD, OR ASPARAGUS.

The pods, which are entirely stringless, are a pale silvery-green color, which, in addition to its excellent clinging habit, makes the plant indeed a fine sight. The pods, though large, are tender and melting when cooked. Try it.

Pkt., 10c; lb., 30c.

HORTICULTURAL POLE LIMA.

This bean, being a cross between Dreer's Pole Lima and the Dwarf Horticultural, combines the rich, delicious flavor of the large Lima with the dry, mealy character of the Horticultural, and matures beans fit to use green as early as the latter. It is the hardiest, the earliest and the best quality of any green, podded pole bean. Specially adapted for using green shelled.

Pkt., 10c; lb., 25c; 10 lbs., \$1.15.

DREER'S POLE LIMA.

Thick, and of fine quality.

Pkt., 10c; lb., 25c.

LARGE WHITE LIMA.

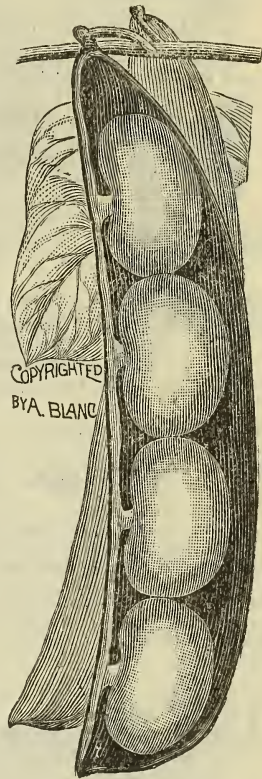
The standard for quality.

Pkt., 10c; lb., 25c; 10 lbs., \$1.15.

SCARLET RUNNER.

A favorite, both as a snap bean and for its flowers, which are bright scarlet; seeds broad and kidney-shaped.

Pkt., 10c; lb., 30c.



LIMA.

WHITE CREASE BACK.

Wonderfully productive, bearing pods in clusters of four to twelve. Pods medium length, silvery green, of the best quality as snaps, and stand shipment better than most sorts.

Pkt., 10c; lb., 20c; 10 lbs., 80c.

BEETS.

DETROIT DARK RED TURNIP.

A fine beet for bunching for market; tops exceptionally small and uniformly upright. Roots are perfect turnip-shape, with small tap-roots. One of the deepest red beets. Quality is of the very best, sweet and tender; well worthy of a trial.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

ECLIPSE.

A very early globe-shaped beet, with small top and thin root; its skin an intense deep red, its flesh of very fine texture; in earliness and quality it is excelled by none.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

IMPROVED EARLY BLOOD TURNIP.

An extra selected stock of blood turnip, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerably longer time to mature. Excellent for summer and autumn use.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.



EGYPTIAN BLOOD.

EXTRA EARLY EGYPTIAN BLOOD TURNIP.

By many considered the best variety for forcing, and is liked best by many market gardeners for the first early crop, being very early, with small top. Roots very dark red, rounded on top, but flat beneath, with very small tap roots.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

LONG DARK BLOOD, IMPROVED.

A well-known winter sort. Good shape, sweet and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.



NEW HALF LONG BLOOD.

NEW HALF LONG BLOOD.

Altogether the best variety for fall and winter use; always smooth and handsome; flesh sweet, crisp and tender, never becoming woody.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

SWISS CHARD, OR SEA KALE.

Cultivated for its leaves only, being used as spinach; cooked like asparagus.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

MANGEL WURZELS.

The importance of this crop to all stockraisers cannot be overestimated, but it is fully realized and acted on by very few of our American farmers. When the fact is considered that 50 tons of Mangel Wurzels may be grown on a single acre, providing fresh and healthful stock food for the winter at so small an outlay, wonder is that every farmer does not profit by it.

GOLDEN TANKARD.

The best Yellow Mangel in cultivation. A distinct and valuable yellow-fleshed variety, which contains a larger percentage of sugar and more nutritive matter than any of the red-skinned sorts. It has already taken the lead of other varieties in England, and is more relished by milch cows and sheep than any other.

In shape it is almost cylindrical, narrowing abruptly at both ends. It is very easily pulled, exceedingly hardy, and matures somewhat earlier than the other large sorts.

Pkt., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c; 10 lbs., \$2.50.



GOLDEN TANKARD.

ALL PRICES on vegetable and flower seeds, in packets, ounces, quarter pounds and single pounds, include Postage.

WE INVITE COMPARISONS with other catalogs. Our stock is varied and complete, and our PRICES are RIGHT. Correspondence solicited.



MAMMOTH LONG RED.

IMPROVED MAMMOTH LONG RED.

This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 30 pounds. It is the best long red Mangel, and one of the greatest value for stock-feeding. They grow well above ground, and are easily pulled.

Pkt., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c.

ORANGE GLOBE.

An excellent variety. It has exceedingly small tops and few leaves. Roots globe-shaped, growing almost entirely above ground.

Pkt., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c.

YELLOW LEVIATHAN.

Roots long, olive-shaped, large, growing over one-half out of the ground.

Pkt., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c.

SUGAR BEET.

The two varieties recommended for this section, and likely to come into general use, are the Improved Vilmorin and the Improved Klein Wanzleben. They are identical in appearance. The ideal beet weighs $1\frac{1}{2}$ to 2 pounds.

A very interesting and fully illustrated book on the sugar industry of America, by Herbert Myrick, is published by the Orange Judd Company, of New York. We will mail this book to any address on receipt of 50 cents.

Prices quoted below are for small quantities, to be sent by mail prepaid. For larger quantities, by express or freight, we will make special prices on application.

FRENCH WHITE RED TOP.

The most generally grown sort in France, as it combines with heavy yield a good percentage of sugar. It has produced 30 tons of beets to the acre, and contains from 10 to 13 per cent. of sugar. The largest yields known have been obtained with this variety.

Pkt., 5c; $\frac{1}{4}$ lb., 15c; lb., 35c.



KLEIN WANZLEBEN.

A little larger than the Vilmorin, yielding from 12 to 18 tons per acre, and containing about the same amount of sugar.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

LANE'S IMPROVED IMPERIAL SUGAR.

This variety is one of the best for the uses which such beets are put to in this country. It is not so sweet as the French Sugar Beets grown especially for sugar-making, but the roots are larger and more symmetrical, of fine grain and very sweet, making it good for table use or for cattle-feeding.

Pkt., 5c; ¼ lb., 15c; lb., 40c.

VILMORIN'S IMPROVED IMPERIAL SUGAR.

In general the most desirable beet for the sugar factory is the one containing the largest percentage of sugar. It is a medium-sized white sugar beet, which by the most careful selection has been brought to the highest perfection, both in the constancy of shape, size and color of the roots, and their high sugar content. It yields from 10 to 16 tons per acre, and contains 16 to 18 per cent. of sugar.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

BROCCOLI.

NEW WHITE CAPE.

A very desirable vegetable. Heads medium size, close and compact, beautiful creamy-white color. A sure header.

Pkt., 5c; oz., 35c.

NEW PURPLE CAPE.

Differs from the preceding one only in color.

Pkt., 5c; oz., 35c.

BRUSSELS SPROUTS.

DWARF IMPROVED.

Heads resemble a lot of very small cabbages growing on a stalk. Very delicious if cooked the same as cabbage. Are also very valuable for greens, even after a hard frost, which generally improves the flavor.

Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.



BRUSSELS SPROUTS.

Good Seeds.

However careful you may have been in the preparation and fertilization of the soil, unless you have been careful to secure Pure and Reliable Seeds, your labor is LOST.

CABBAGE.

We offer a VERY LARGE ASSORTMENT for our customers to select from. The seed comes from first hands, and is all first-class. We offer no so-called "second strain." We keep but ONE QUALITY, and that is THE BEST.

NEW JERSEY WAKEFIELD.

Stands today in an exalted position among early cabbages. It is grown more exclusively for market than any other early cabbage. It is always of good size, very solid, and has but few outside leaves; a reliable header, and always gives good satisfaction for every purchaser.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.



JERSEY WAKEFIELD.

EARLY YORK.

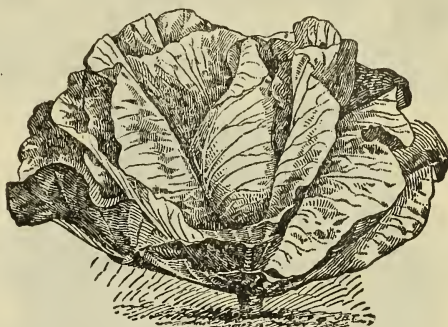
An early variety. Heads small, heart-shaped, firm and tender.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

VERY EARLY ETAMPES.

Similar to the well-known Jersey Wakefield. The plants are lighter colored, but not so hardy. The heads are fully as large, not quite so pointed, and are of excellent quality. Sold also as Earliest of All, Wonderful, etc.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.



EARLY WINNIGSTADT.

Sure to head on all soils. A great favorite with the Germans. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

HENDERSON'S EARLY SPRING

The Only Extra Early Flat-Headed Cabbage in the World.

Coming in with the Wakefield and yielding one-third more. It has all the good qualities of the Early Summer, and is only a trifle smaller.

Pkt., 10c; oz., 40c.

EARLY DWARF FLAT DUTCH.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

EARLY DRUMHEAD.

Plants compact, with very thick, dark green leaves, covered with a dense bloom, which protects them in a measure from the worms. Heads flat, very solid, and of good quality.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



HENDERSON'S EARLY SUMMER.

Ten to 12 days later than Early Jersey Wakefield. Heads average more than double the size.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

FOTTLER'S EARLY DRUMHEAD.

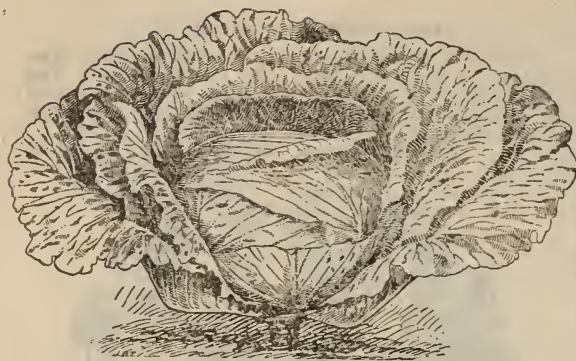
In many sections this is the most popular cabbage grown, and it certainly is one of the very best second early sorts in cultivation. Plants have very short stems and large leaves, which start from the stem horizontally, but turn upward about the head. Head large, very flat, compact and solid, and of fine quality.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

FILDERKRAUT.

Similar to, but larger and much more pointed, and heading up with fewer outside leaves, than the Winnigstadt, and highly esteemed for making kraut.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.



MARBLEHEAD MAMMOTH DRUMHEAD.

Under good cultivation, acres have been grown where the heads would average 30 pounds each.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

PREMIUM LATE FLAT DUTCH.

This is superior to any other late cabbage in cultivation when large areas are planted for shipping. It possesses all the good qualities of the Late Flat Dutch, and is a sure header.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

SUCCESSION, OR ALL SEASONS.

A sure-heading, long-keeping variety. Our seed is from carefully grown, selected stock, and is the best that can be produced.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

LARGE LATE DRUMHEAD.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

STONE MASON MARBLEHEAD.

One of the best for fall and winter use, being the best in quality of the smooth-leaved kinds. Plant medium size, with only a moderate number of leaves; stem medium length; heads medium size to large, round or slightly flattened, very solid, crisp and tender, and without any coarse or strong flavor.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.



AUTUMN KING, OR WORLD BEATER. (Burpee's.)

A sure header, very solid, fine-grained and tender. It grows quicker than any other large cabbage, and will produce more to the acre. The plants should be set about three feet each way, making 4840 to the acre. Color dark green, with a slight bronze or brownish tinge to the outer leaves. The heads are remarkably thick through, and will attain a great weight. Has a short stem, and grows near the ground.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

MAMMOTH ROCK RED.

Certainly the finest and by far the best new variety of red cabbage on the market. The heads will average over 10 pounds each, and are always of rich red color inside as well as outside, while they are almost literally as hard as a rock. You will do well to try it.

Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

IMPROVED AMERICAN SAVOY.



SAVOY.

Very valuable variety, being of much finer flavor and quality than the best of other cabbage. It is particularly adapted for private use, where quality rather than quantity is desired.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

CARROTS.



CHANTENAY.

A stump-rooted variety, very popular with gardeners, perfect and uniform in shape; very productive.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

DANVER'S HALF LONG.

The best variety for general crop. It is of rich orange color, and a heavy yielder. A splendid keeper. Valuable for table use as well as for stock.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLY HALF LONG, SCARLET CARENTAN (Coreless).

Tops very small, roots cylindrical, with a remarkably small neck; very handsome, deep orange in color, with scarcely any core, and of the best quality. They can be sown very thick, and are well adapted for forcing.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

DANVER'S HALF LONG.

EARLY HALF LONG SCARLET (Stump Rooted).

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLY SCARLET HORN.

A favorite for early crop. Flesh finely grained and of agreeable flavor; tops small; has a short, stump-shaped root.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

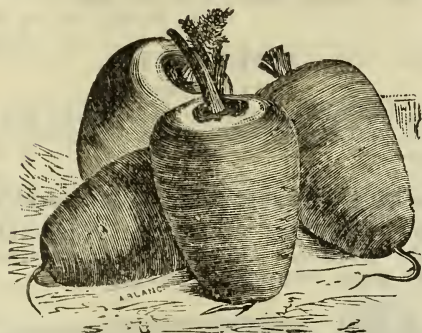


EARLIEST SHORT HORN, FRENCH (Forcing).

The earliest variety in cultivation, and best suited for forcing. Root reddish brown, globular, and about two inches in diameter; should be used before full grown.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

FRENCH FORCING.



GERANDE, OR OXHEART.

A thick carrot, five or six inches long and very blunt at the lower extremity. It grows very rapidly, and the root attains a weight of more than a pound. It is tender and of good flavor, and a variety we can recommend to all market gardeners.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LONG ORANGE IMPROVED.

Very desirable for garden or field culture.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

LARGE WHITE BELGIAN.

Roots very large and smooth; grown exclusively for stockfeeding.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c; 5 lbs., \$2.00.

CAULIFLOWER.



EARLY SNOWBALL.

Extensively advertised, this has attained great popularity. Under favorable conditions nearly every plant will make a fine, solid head, of good size. It is of dwarf habit, valuable both for the early and late crops.

Pkt., 10c; ¼ oz., 65c; oz., \$2.00.

EXTRA EARLY PARIS.

Very early; good for forcing.

Pkt., 5c; oz., 60c; ¼ lb., \$1.85.

EARLY FAVORITE.

We think this variety is the best early large growing kind. The plants grow about the same size as the Early Erfurt, form a large head, which is solid, crisp, tender and of the very best quality, and keeps in condition for use a long time.

Pkt., 10c; oz., \$1.00; ¼ lb., \$2.50.

EARLY ERFURT.

The Erfurt strains of cauliflower are deservedly the most popular. This is good, but, of course, not equal to the higher-priced strain.

Pkt., 5c; oz., 60c; ¼ lb., \$1.85.



EXTRA EARLY DWARF ERFURT.

Remarkable for reliability in heading. Very dwarf, with solid, pure white heads of superior quality. If planted the first of March, heads nine to twelve inches in diameter will be ready early in June.

Pkt., 10c; ¼ oz., 65c; oz., \$2.00.

VEITCH'S AUTUMN GIANT.

The heads are white, large, compact, and thoroughly protected by foliage.

Pkt., 5c; oz., 65c; ¼ lb., \$1.75.

ALGIERS.

This sort is of vigorous growth, with long leaves, which taper to a point at the ends; its color is of a decidedly bluish cast. It is a very sure-heading sort, producing large, white heads.

Pkt., 5c; oz., 75c; ¼ lb., \$2.50.

CELERY.



GOLDEN YELLOW, LARGE SOLID.

GOLDEN YELLOW, LARGE SOLID, OR GOLDEN SELF-BLANCHING.

This is no doubt the best Celery for early market uses. Plants of a yellowish-green color when young, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier.

Pkt., 5c; oz., 25c; ¼ lb., 80c.

DWARF WHITE SOLID, OR KALAMAZOO.

Said to keep in good condition later in the season than any other variety.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

EVAN'S TRIUMPH This variety is of **SUPERB QUALITY** and will keep longer than any other kind. It is not only a splendid keeper, but the very **LARGE, SOLID STALKS** are of the **FINEST TEXTURE** and **QUALITY**. Crisp, brittle, tender and really nut-like in flavor.

Pkt., 10c; oz., 25c; 1-4 lb., 75c.

GIANT PASCAL.

The largest variety grown; of fine, nutty flavor, and very easily blanched; deservedly popular for fall and winter use.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

WHITE PLUME.

A handsome, crisp sort, of very easy cultivation. Naturally its stalks and portions of its inner leaves and heart are white, so that by closing the stalks, either by tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed without the troublesome process of "banking" or "earthing up." It is the earliest Celery known.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.



WHITE PLUME.

CHICORY.

The fact that the United States imported 14,650,000 pounds of chicory during seven months of 1898 should attract attention. The soil and climate of the Pacific Northwest are adapted to this crop in an eminent degree, and Eastern manufacturers are looking this way for a location. A factory in Nebraska takes the product of 1,200 acres and pays farmers \$7.50 per ton for the roots.



CHICORY.

LARGE ROOTED.

The dried roots are roasted and mixed with coffee, or used as a substitute.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

CELERIAC.**(Turnip-Rooted Celery.)**

Produces turnip-rooted roots, which may be cooked and sliced and used with vinegar, making a most excellent salad.

LARGE, SMOOTH PRAGUE.

An improved form of turnip-rooted Celery; round, smooth roots, with very few side roots. This is the largest variety and one of the very best.

Pkt., 5c; oz., 15c; ¼ lb., 50c.

CHERVIL.**Curled.**

This plant is used for flavoring soups and salads, and has a strong flavor and perfume.

Pkt., 5c; oz., 10c; ¼ lb., 30c.

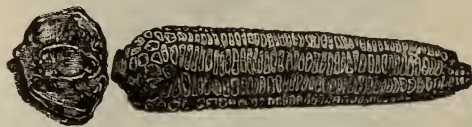
COLLARDS.**TRUE GEORGIA.**

Used as "greens" mainly in the South and West. As the leaves are pulled off, others grow in their places.

Pkt., 5c; oz., 10c; ¼ lb., 30c.

SWEET OR SUGAR CORN.

WE PREPAY POSTAGE on packets and single pounds. On larger quantities the buyer pays express or freight.



BLACK MEXICAN.

BLACK MEXICAN.

One of the sweetest and most desirable for family use. When dry the kernels are black. The corn, when in condition for the table, cooks remarkably white, and is not excelled in tenderness by any other sort.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



CROSBY'S EARLY.

CROSBY'S EARLY.

Early and a great favorite. Rather small ears, but productive, and of excellent quality.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



COUNTRY GENTLEMAN.

COUNTRY GENTLEMAN.

The sweetest and most tender of all Sweet Corns. This is not only true, but in addition to this, the Country Gentleman is one of the most productive sorts, the stalk averaging three ears, sometimes as many as five. Kernels and cobs are pure white; cob small, kernels deep; ears average 12 inches in length.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



EARLY WHITE CORY.

EARLY WHITE CORY.

For a strictly first early for market and home use, you can't be far wrong with Early White Cory. We offer Northern-grown, extra early matured seed.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



EARLY MINNESOTA.

EARLY MINNESOTA.

This old and deservedly popular variety is one of the best early sorts for the market and the private garden. Stalks short and not suckering, bearing one or two ears; well covered with husks; ears long, eight rowed; kernels very broad, sweet and tender, not shrinking much in drying. By careful selection we have developed a stock of this standard variety which is remarkably uniform, and in which all the good qualities that have made it so popular are intensified. Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



OLD COLONY.

OLD COLONY.

Originated near Plymouth, Mass., about 60 years ago. The grain is very deep and the sweetest and best of the late varieties. Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

POP CORN.

WHITE RICE.

The best for popping, also for the general market, as it always commands a higher price than any other. Pkt., 10c; lb., 25c.

FIELD CORN.

KING PHILIP.

An early red corn; well acclimated, and well known. Pkt., 10c; lb., 20c; 10 lbs., 80c.

NEW CONNECTICUT GIANT (FLINT).

As its name indicates, this is an improved strain of an old and well-known variety. It is one of the best of the "Flint" family. Pkt., 10c; lb., 20c; 10 lbs., 80c.

LONGFELLOW (FLINT).

This is an 8-rowed yellow flint. The ears are from 10 to 15 inches long; 1½ and 1¾ inches in diameter, and well filled out to extreme end of the cob. The cob is small. Kernels large and broad. Pkt., 10c; lb., 20c; 10 lbs., 80c.

MINNESOTA KING (DENT).

Smallest cob and longest grain. The ears are uniformly well filled out, and it will make more shelled corn to a given bulk of ears than any other variety. It is a beautiful golden yellow, and a good yielder. Pkt., 10c; lb., 20c; 10 lbs., 80c.

LEGAL TENDER.

A large golden yellow "Dent" variety. A strong grower and a good yielder. Pkt., 10c; lb., 20c; 10 lbs., 80c.

CHAMPION WHITE PEARL.

The stalk is short and thick. The ears grow low on the stalk, from 7 to 12 inches in length, almost parallel throughout; of medium size, averaging 16 rows of grain. The grains are pure white, very deep, compact and heavy. The cob is small. By a test, 70 ears weighed 87½ pounds, of which the cobs alone weighed only 7 pounds. It makes a superior quality of cornmeal and grades No. 1 white in any market. It matures early. We recommend it highly. Pkt., 10c; lb., 20c; 10 lbs., 70c.

EARLY FORDHOOK (New)

IS THE LARGEST EARED EXTRA EARLY CORN.

Ears averaging in length 7 inches. The grains and cob are pure white. The ears are eight-rowed, with small cobs and deep grains.

Competent judges pronounce it equal to the Crosby in flavor, while it is five to six days earlier. It remains fit for table use longer than any other early corn known. The stalks grow about 5 feet high, and average about two ears each. Pkt., 10c; lb., 30c; 10 lbs., \$1.25.



MAMMOTH WHITE CORY.

Mammoth White Cory.

As Early as the Earliest. No Extra Early Sweet Corn will Compare With It in Size.

The ears are 12-rowed, fully twice the size of the old Cory, white cobbled, and covered with very large white grains of good quality. No other Sweet Corn will find ready sale in a market which is supplied with Mammoth White Cory, and the gardener who wishes to get the cream of the trade should make his plantings of this splendid novelty. Pkt., 10c; lb., 30c; 10 lbs., \$1.25.



STOWELL'S EVERGREEN.

STOWELL'S EVERGREEN.

Recognized everywhere as a standard variety, both for home use and market, and is the general favorite. The ears are of a large size, grains deep, exceptionally tender and sugary, and has the advantage of remaining longer in the green state than any other. Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

Stowell's Evergreen.

Extra Selected, pkt., 15c.; lb., 30c.; 10 lbs., \$1.25.



CORN SALAD.

A small, hardy salad; used also as a substitute for lettuce. Can be sown in September and wintered over, same as Spinach.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

CRESS.



CURLED.

EXTRA CURLED, OR PEPPER GRASS.

A small plant, having a fine pungent flavor, and used as a salad; may be cut two or three times.
Pkt., 5c; oz., 10c; ¼ lb., 25c.

"The manure produced in the course of husbandry is not sufficient to maintain permanently the fertility of a farm; it lacks the constituents which are annually withdrawn in the shape of grain, hay, milk and livestock."

TRUE WATER CRESS.

Grows along the banks of ponds and streams, and is easily introduced; wholly unlike Extra Curled; leaves are quite large and thick; a fine salad; sold in immense quantities in large markets in the spring.
Pkt., 5c; oz., 40c.

CUCUMBERS.

BOSTON PICKLING OR GREEN PROLIFIC.

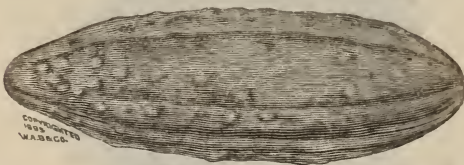
A distinct variety; very popular for pickles. Fruit short, very smooth and symmetrical, but pointed at each end; bright green and a great producer.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



CHICAGO OR WESTERFIELD PICKLING.

CHICAGO OR WESTERFIELD PICKLING.

Very popular with market gardeners, and extensively grown. Fruit medium length, pointed at each end, with very large and prominent spines; color, deep green.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



COOL AND CRISP.

COOL AND CRISP.

The vines are vigorous and fruit long and cylindrical, dark green, with quite a number of white spines. The flesh is peculiarly crisp and tender. One of the very best for table use.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



EARLY CLUSTER.

EXTRA EARLY RUSSIAN.

Earliest variety known; hardy and productive; fruit very small and quality fine.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EARLY CLUSTER.

Fruit small and borne in pairs; light green and a great bearer.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

"The fertility of the soil remains unchanged, if all the ingredients withdrawn by the crops are given back to the land. Such a restitution is effected by manure."



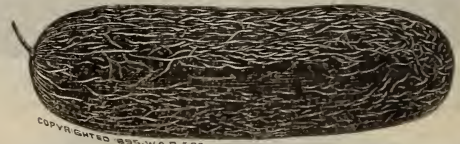
EARLY WHITE SPINE.

EARLY FRAME, OR SHORT GREEN.

A vigorous grower and great producer; fruit medium in size, very early and good for pickling or slicing.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

EARLY WHITE SPINE.

One of the best sorts for table use; fruiting early and abundantly; fruit uniformly straight and handsome; light green with a few white spines.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



JAPANESE CLIMBING CUCUMBER.

JAPANESE CLIMBING.

The vines are of a healthy, vigorous growth, with a rich, dark-green foliage, and throw strong, grasping tendrils which enable it to climb trellis, wire netting, brush or any other suitable support. It bears abundantly throughout the season, while the climbing habit enables the fruit to grow perfectly straight, from 12 to 16 inches in length. The cucumbers are thick, tender, and of delicate flavor.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.



LONG GREEN CUCUMBER.

IMPROVED LONG GREEN.

Produced by selection from the Long Green. Vines vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about 12 inches long, firm and crisp. The young fruit makes one of the best pickles, and when ripe is the best of any for sweet pickles.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

GHERKIN FOR PICKLING.

A very small, oval, prickly variety, quite distinct from all others. Pkt., 5c; oz., 10c; ¼ lb., 30c.

WE INVITE COMPARISONS with other catalogs. Our stock is varied and complete and our **PRICES** are **RIGHT**. Correspondence solicited.

EGG PLANT.



IMPROVED LARGE PURPLE.

IMPROVED LARGE PURPLE (SPINELESS).

The best variety for cultivation, being early, a sure cropper, and of fine quality. Plants large, vigorous, with light green leaves; fruit very large, oval, deep purple; with occasional dash of green about the stem; flesh white, tender, and of superior quality. Pkt., 5c; oz., 40c; ¼ lb., \$1.25.

EARLY LONG PURPLE.

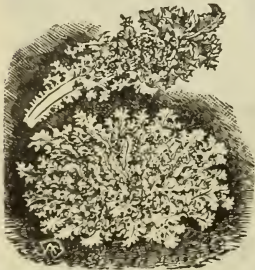
Fruit from six to eight inches long. Pkt., 5c; oz., 20c; ¼ lb., 60c.

BLACK PEKIN.

Very handsome; fruit large, round, jet black, and very glossy. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

ENDIVE.

This is one of the most refreshing of all winter and autumn salads. When full grown the all the outside leaves close over the heart to blanch the inner leaves, which will take about a week. Never tie it up when leaves are wet, for they are apt to decay.



WHITE CURLED ENDIVE.

EVER WHITE CURLED.

The most beautiful variety. Plant moderately dense, with divided leaves, which are coarser and less tender than those of the green curled; but even the outer leaves are very light colored, frequently white, so that the plant is very attractive and always brings the highest price on the market. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

GREEN CURLED.

Is the hardest variety; very ornamental, dark green leaves, which branch to a beautiful white; very tender and crisp. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

No Credit Memorandums

If your remittance is for more than the amount of your purchase we return the balance due you in cash.

KALE.

Borecole, Kale, or German Greens; are general terms applied to those classes of cabbage which do not form heads, but are used in their open growth. Some of the varieties are the most tender and delicate of any of the cabbage tribe.

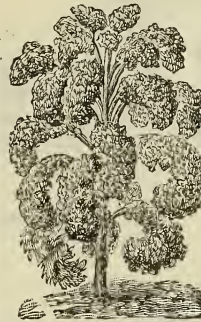


DWARF CURLED KALE.

HALF DWARF MOSS CURLED.

An intermediate form, which seems to possess all the merits of both the tall and dwarf sorts. It forms a medium-sized head of nicely curled leaves, which are kept well off the ground, but at the same time so compact as not to suffer from frost. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

TALL GREEN CURLED SCOTCH.



TALL GREEN

Grows about two feet high; leaves dark green, curled and wrinkled; very hardy, and is improved by a light frost. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

DWARF GREEN CURLED SCOTCH.

Rarely exceeding 18 inches in height, but spreading out under good cultivation to three feet in diameter; leaves beautifully curled and bright green. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

KOHL RABI.



KOHL RABI.

The Kohl Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of both. The edible part is a turnip-shaped bulb formed by the swelling of the stem. When used for the table this should be cut when quite small, as it is then very tender and delicate, but if allowed to reach its full size it becomes tough and stringy.

EARLY WHITE VIENNA.

Very early, small, handsome, white bulb. Best early variety for the table. Pkt., 5c; oz., 15c; ¼ lb., 50c.

EARLY PURPLE VIENNA.

Nearly identical with the last, except in color, which is a bright purple, with the leaf stems tinged with purple. Pkt., 5c; oz., 15c; ¼ lb., 50c.

LARGE GREEN.

Hardy, quite late, and used for feeding stock. Bulbs large, weighing eight to 10 pounds, whitish-green in color; leaves large and numerous. Pkt., 5c; oz., 15c; ¼ lb., 50c.

OUR LAWN FERTILIZER.....

Makes the Grass grow, but
KILLS THE MOSS AND SLUG

LEEK.

Belongs to the onion family, and by some preferred to the onion. Sow the seed and care for the young plants the same as for onions.

LONDON FLAG.

Is the variety more cultivated in this country than any other. It is hardy and of good quality.

Pkt., 5c; oz., 15c; ¼ lb., 50c.

LARGE AMERICAN FLAG.

A variety which has become very popular with some market gardeners on account of its being larger than the London Flag.

Pkt., 5c; oz., 15c; ¼ lb., 50c.

LETTUCE.**BLACK SEEDED SIMPSON.**

Forms large, loose heads of thin, exceedingly tender golden yellow leaves; the best curled variety, either for forcing or sowing out of doors, though, on account of its large size, it is, under some circumstances, not so profitable for forcing. It stands the summer heat splendidly.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.



EARLY CURLED SIMPSON.

EARLY CURLED SIMPSON.

Forms a close, compact mass of curly leaves of a yellowish green.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

BROWN DUTCH.

An old sort, noted for its hardiness. Leaves large, thick, green, tinged with brown. It always forms a large, solid head, which is somewhat coarse looking, but the inner leaves are beautifully blanched, exceedingly sweet, tender and well flavored. Desirable because of its hardiness and fine quality.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



PRIZE HEAD.

FERRY'S EARLY PRIZE HEAD.

This old standard sort still stands at the head of the large, thin-leaved, clustering sorts. The very large leaves are savoyed or crimped, bright green, tinged with red, and are exceedingly tender, crisp and sweet, forming a large, loose head. This variety is one of the very best for the garden, but is not a good sort to ship long distances.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

GRAND RAPIDS FORCING.

The best sort for shipping. This grand new forcing variety stands more neglect in the way of watering and ventilation, will grow more weight on the same ground, and will stand longer after matured than the Black Seeded Simpson. It is of handsome appearance, a strong grower, and not apt to rot, and will keep from wilting longer while exposed for sale than any other sort. Its upright habit admits of very close planting, and it matures two weeks earlier than Tennis Ball or Boston Curled.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.



HANSON.

HANSON.

(Improved Hard-Heading Stock.) We can recommend this as one of the very best. Heads green outside and white within; grows to a remarkable size, very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

EARLY WHITE SELF-FOLDING COS.

WHITE COS.

An old standard variety. The outer coloring of this variety is yellowish green.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.

EARLY TENNIS BALL, (Black Seeded).

A favorite forcing variety, forming a hard head. It makes but few outer leaves, and for this reason can be planted quite closely under glass.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

MIGNONETTE.

A dainty little lettuce, measures only seven inches across, while the heads are very solid and compact. The solid hearts are light cream color.

Pkt., 5c; oz., 15c; ¼ lb., 40c.

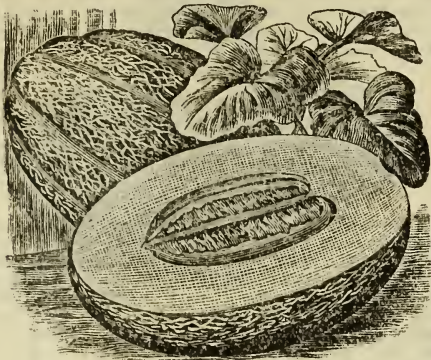
MARTYNIA.

A strong-growing, hardy, annual plant, with curiously shaped seed pods, which, when young and tender, are highly prized for pickling. The pods are produced in great abundance and should be gathered when less than half grown, as, after the hardening of the flesh, they are worthless.

Pkt., 5c; oz., 35c; ¼ lb., \$1.00.

No good results can be expected from the use of any fertilizer unless the ground be put in a condition favorable to its action. The profit to be derived will be largely dependent upon the perfection of soil conditions.
G. W. SHAW.
(It will PAY to use our fertilizers if properly applied.)

MUSKMELONS.



BALTIMORE.

BALTIMORE OR ACME.

Flesh green; very fine flavor and sweet.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

BAY VIEW.

Fruit long and of the largest size, frequently weighing from 15 to 17 pounds, deeply ribbed, and covered with coarse netting; flesh green, thick, and of fine flavor. By far the best of the large melons, and so hardy as to be the best sort for inexperienced cultivators.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

CASABA, OR GREEN PERSIAN.

Attains a large size; fruit long and oval; flesh green; fine quality. This melon always commands the highest price in the market.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



COSMOPOLITAN.

COSMOPOLITAN. The most beautiful of all the GREEN FLESHED MELONS. Fruit slightly oval, nearly round, without ribs. Color light green, but becoming covered at maturity with dense silver gray netting. Has a very distinct and handsome green flesh, combining the firm, sweet flesh of the French Canteloupe and the delicious flavor of the American Muskmelon, it is truly cosmopolitan in its character. It will please all lovers of Muskmelons.

Pkt., 5c.; oz., 10c.; 1-4 lb., 25c.; 1 lb.; 75c.



EMERALD GEM.

EMERALD GEM.

Fruit small to medium size, globular or slightly flattened at the ends, only slightly netted and ribbed. Skin deep green while young, becoming tinged with yellow as the fruit matures; flesh deep salmon yellow, thick, ripening close to the rind, and exceedingly high flavored. This variety has steadily grown in popular favor, and in many large markets leads all other kinds.

Pkt., 5c; oz., 10c; ¼ lb. 20c; lb., 75c.



HACKENSACK.

HACKENSACK EXTRA EARLY IMPROVED.

A selection from, and an improvement on the old Hackensack, and similar in shape and appearance; nearly as large and fully 10 days earlier. One of the finest for market gardeners; quality perfect.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

EARLY NETTED GEM.

This is one of the most popular of small or basket melons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green; very sweet and highly flavored. For market use none excel it.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LARGE GREEN NUTMEG.

Vines vigorous, hardy and productive, fruit very large, round, slightly flattened at both ends, ribbed, covered with coarse netting; flesh very thick, and of the highest flavor.

Pkt., 5c; oz., 10c; ¼ lb. 20c; lb., 60c.



JENNY LIND.

JENNY LIND.

An extra early, small green-fleshed melon, of very fine flavor round and flattened at the ends
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

OSAGE, OR MILLER'S CREAM.

A widely known and valuable variety; round or egg shaped; color dark green and finely netted; flesh salmon pink, thick and very sweet and juicy in flavor.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



MONTREAL MARKET.

MONTREAL MARKET.

Grows to a large size and is a favorite with market gardeners.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

SURPRISE.

Round in shape, resembling the Nutmeg; skin thin, cream colored, and heavily netted; flesh deep salmon color, thick and very fine flavored. It is very prolific, and one of the best for home and market garden.

WATERMELONS.

PEERLESS, OR ICE CREAM.

PEERLESS.

A grand favorite and standard variety. Superior in every respect. Has beautiful crimson core, which is always fine grained and cannot be surpassed in flavor. Very prolific, magnificent grower. Is one of the best for market and home purposes.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

CUBAN QUEEN.

A very fine variety, growing to a great size; flesh bright red, solid and sweet. The skin is beautifully striped dark and light green. Melons are wonderfully solid, rind thin. They are enormously productive and ripen early.
Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

DIXIE.

This Watermelon is a cross between Kolb's Gem and Mountain Sweet; rind darker than Kolb's Gem, and more beautifully striped, and much longer in shape.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

KOLB'S GEM.

As a shipping melon has hardly an equal. The fruit is nearly round; rind dark. Weight, 25 to 50 lbs.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

SWEET HEART.

This variety has no equal as a melon to ship to distant markets, and is so attractive in appearance that it is readily sold when all others are a drug. It is very large, a little longer than thick, but nearly globular in shape. Skin very bright; beautifully mottled green. Flesh bright red, firm and heavy, but crisp, melting and sweet. It is not only a good keeper, but improves in quality for a long time after ripening. Seeds dark gray.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Standard varieties which are furnished at the uniform price of pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

GYPSY, OR GEORGIA RATTLESNAKE.**ROUND LIGHT ICING.****MOUNTAIN SWEET.****DARK ICING.****CITRON.**

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid. Seeds red. It should be borne in mind this variety is not used for eating in the raw state, but for preserves, pickles, etc.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

MUSHROOMS.

MUSHROOMS.

With intelligent care and good spawn, Mushrooms may be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a greenhouse, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter.

FRENCH.

Three-pound box, \$1.75, postpaid.

ENGLISH.

In bricks, per lb., 30c, postpaid.

MUSTARD.

White English. Oz., 5c; ¼ lb., 15c; lb., 30c.

Southron Giant Curled.

Oz., 10c; ¼ lb., 25c; lb., 70c.

OKRA.

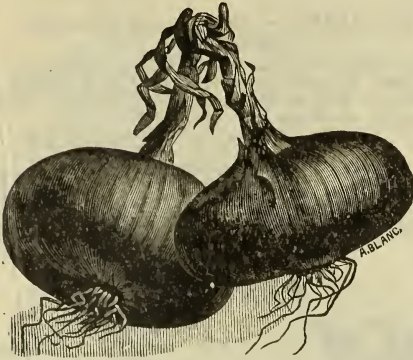
White Velvet.

Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c.

ONIONS.

GOOD ONION SEED is of the greatest importance. So strongly do onion growers realize this that many will shorten their acreage unless they can secure their favorite strain of seed.

The Onion Seed Crop for 1898 was very short in all sections, and in some parts the yield was only 15 or 20 per cent. of the average. In consequence of this the prices paid to the growers were from two to three times as much as the year before, and all seedsmen are compelled to make large advances. Our seed is all fresh and of finest quality.



EXTRA EARLY RED.

EXTRA EARLY RED.

A medium size, flat variety, an abundant producer; very desirable for early market use.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

GIANT ROCCA.

An immense onion. Globular in form; skin light brown; flesh mild and tender. It will produce a large onion from seed the first season, but to obtain the largest growth, very small bulbs or sets should be set out the second spring, when they will continue increasing in size instead of producing seed, as in the case with American onions.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

GIANT WHITE TRIPOLI.

Or El Paso.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LARGE RED WETHERSFIELD.

This is the standard red variety. Very productive, good keeper, and one of the most popular for general cultivation.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

LARGE YELLOW DUTCH, OR STRASBURG.

One of the oldest sorts. Flat, flesh white, fine grained, mild, and well flavored. The best for sets.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

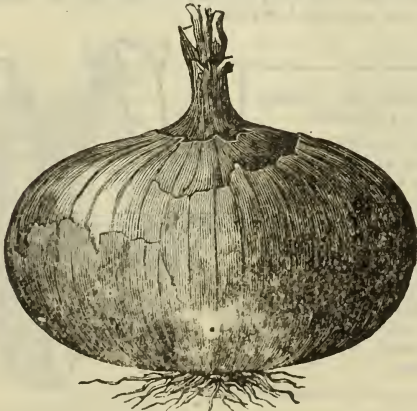
MAMMOTH SILVER KING.

This mammoth variety is one of the largest in cultivation, averaging from 15 to 22 inches in circumference, and often weighing 2½ to 4 lbs. each.

Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

YELLOW DANVERS.

Flat. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



OREGON YELLOW DANVERS.

OREGON YELLOW DANVERS.

The best Onion for general planting in the Northwest. Onion growers will have no other kind. The bulbs are uniformly large, with very small necks. It yields immense crops and is the best of keepers. Our stock of this seed is first class.

Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.



QUEEN.



YELLOW GLOBE DANVERS.

YELLOW GLOBE DANVERS.

The best globe-shaped Onion. Strictly first-class seed.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

QUEEN.

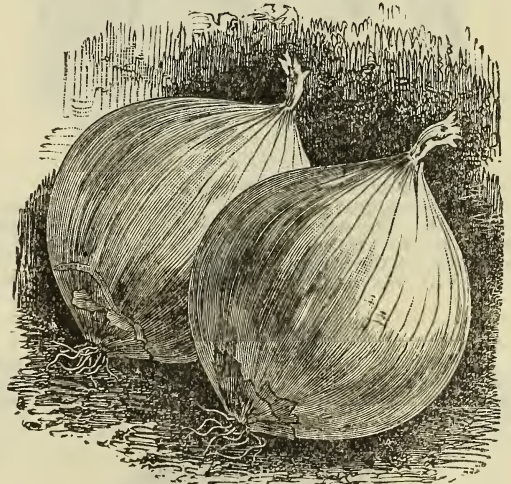
A silver-skinned variety, very early; maturing medium-sized onions in a very short time; a good keeper; valuable as a pickling onion.

Pkt., 5c; oz., 25c; ¼ lb., 85c; lb., \$2.50.

WHITE GLOBE.

Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Sometimes called Southport White Globe.

Pkt., 5c; oz., 30c; ¼ lb., 90c; lb., \$2.75.



MAMMOTH YELLOW SPANISH, OR PRIZETAKER.

PRIZETAKER, THE GENUINE.

The handsomest, largest yellow globe Onion. A new variety introduced but a few years ago which has proved to be an excellent keeper, of finest flavor, handsome shape and enormous size, many single onions having been raised to weigh 5 pounds and over, from seed the first year. The Prizetaker 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; ¼ lb., 60c; lb., \$1.75.

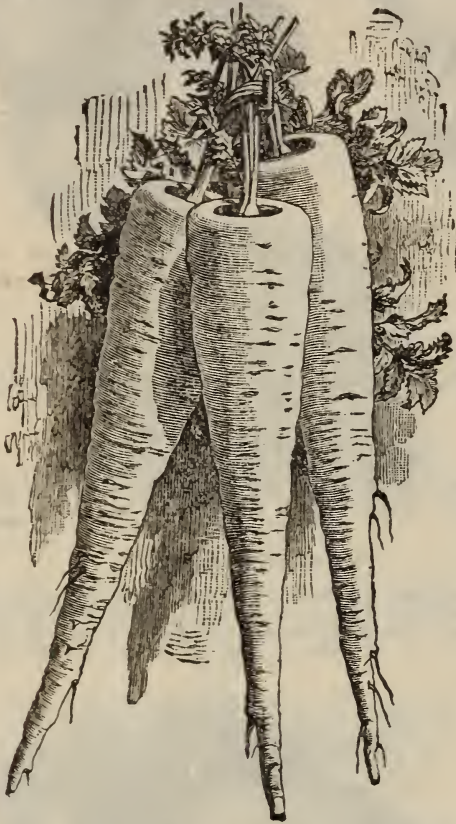
WHITE PORTUGAL, OR AMERICAN SILVERSKIN.

A large, flat onion of mild flavor; fine for early winter use. It is the best keeper of the white varieties.

Pkt., 5c; oz., 25c; ¼ lb., 80c; lb., \$2.50.

PARSNIP.

The value of the Parsnip as a culinary vegetable is well known, but is not generally appreciated at its value for stock-feeding. On favorable soil it yields an immense crop of roots, which are more nutritious than carrots or turnips, and particularly valuable for dairy stock.



HOLLOW CROWN.

HOLLOW CROWN, OR GUERNEY.

Roots comparatively short, with a very smooth, clean skin. The variety is very easily distinguished by the leaves arising from a depression on the top or crown of the roots.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

PARSLEY.

Very useful for flavoring soups, stews, and for garnishing. The green leaves are used for flavoring, or they may be dried crisp, rubbed to a powder, and kept in bottles until needed.



TRIPLE CURVED PARSLEY.

FINE TRIPLE-CURLED, OR MYATT'S GARNISHING.

A fine, free-growing, but not large variety. The plants bear a great number of leaves, which are so abundant and so finely curled that they resemble a bunch of moss.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

TURNIP-ROOTED, OR HAMBURG.

The edible portion is the fleshy root, which resembles a small parsnip, and is highly esteemed for flavoring soups, stews, etc.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

PEPPER.

CAYENNE.

Pods small, cone-shaped, red, intensely acrid.

Pkt., 5c; oz., 20c; ¼ lb., 60c.

GOLDEN DAWN.

Bright golden yellow. Very productive. Entirely free from fiery flavor.

Pkt., 5c; oz., 20c; ¼ lb., 60c.



CAYENNE.

LARGE BELL, OR BULL NOSE.

A very large sort, of inverted bell shape, suitable for filling or for a mixed pickle. Flesh thick, hard and less pungent than most other sorts.

Pkt., 5c; oz., 20c; ¼ lb., 60c.

RED CHILI.

Used in the manufacture of pepper sauce. Pods sharply conical, and exceedingly pungent when ripe.

Pkt., 5c; oz., 20c; ¼ lb., 60c.

RUBY KING.

An exceedingly large and handsome Pepper, of mild flavor; the fruits are of a bright ruby red, from 4½ to 8 inches long and 9 to 12 inches in circumference. It can be sliced for salad, or eaten with salt and vinegar, like tomatoes and cucumbers.

Pkt., 5c; oz., 25c; ¼ lb., 75c.



RUBY KING.

PEAS.

EXTRA EARLY VARIETIES.

WE PAY POSTAGE on packets and single pounds at prices listed. On larger quantities, the buyer pays express or freight. Ask for special prices.

POTASH IN AGRICULTURE.

We carry a large stock of Muriate of Potash, Sulphate of Potash, and Kainet, and will sell at importers' prices. Correspondence Solicited.

Special pamphlets and circulars free by mail on application.

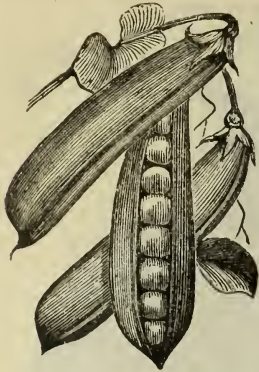


NOTT'S EXCELSIOR.

NOTT'S EXCELSIOR.

The BEST Dwarf Pea in cultivation. Height, 15 inches. As hardy as the earliest market sorts, but in quality equal to the Little Gem. It outyields that variety 20 to 30 per cent. The pods are one-third longer, and each pod contains from 6 to 8 large peas, which are unusually fine flavored and tender.

Pkt., 10c; lb., 25c; 10 lbs., \$1.10.



ALASKA.

This catalog will be seen by some who have not tried our seeds. We ask such to send us a TRIAL ORDER.

EARLIEST OF ALL, OR ALASKA.

Matures all the crop at once and is invaluable to MARKET GARDENERS AND CANNERS.

A smooth blue Pea, which in evenness of growth of vine and early maturity of the pods is unequalled by any other extra early pea. Vines 2 to 2½ feet high, unbranched, bearing 4 to 7 long pods, which are filled with medium-sized, bright-green peas of excellent flavor. Ripe peas, small, bluish green.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

AMERICAN WONDER.

The earliest and best of the wrinkled sorts. A great favorite for family use.

Has stout, branching vines about 9 inches high, and covered with well-filled pods, containing 7 or 8 large, exceedingly sweet, tender and well-flavored peas. Dry pea, medium size, much wrinkled and flattened, pale green.

Pkt., 10c; lb., 25c; 10 lbs., \$1.10.

FIRST AND BEST.

Vines vigorous and hardy; 2 to 2½ feet high. Matures uniformly. Market gardeners will make no mistake in using this pea largely.

Pkt., 10c; lb., 20c; 10 lbs., \$1.00.

McLEAN'S LITTLE GEM.

Very early, dwarf variety, growing about 15 to 18 inches high; extra sweet, sugary, and of the most delicious flavor. Pkt., 10c; lb., 25c; 10 lbs., \$1.10.

PREMIUM GEM.

This grows a little larger than American Wonder, almost as early. Our stock is first-class.

Pkt., 10c; lb., 25c; 10 lbs., \$1.10.

SECOND EARLY PEAS.

BLISS EVERBEARING.

A variety maturing soon after the Gem, and continuing a long time in bearing. Vine stout, about 18 inches high, bearing at the top 6 to 10 broad pods. If these are removed as they mature and the season and soil are favorable, the plant will throw out from the axil of each leaf branches bearing pods which will mature in succession, thus prolonging the season.

Pkt., 10c; lb., 25c; 10 lbs., \$1.10.

HORSFORD'S MARKET GARDEN.

The vine of this variety is of medium height, giving the greatest number of pods of any of our list. Pods contain 5 to 7 medium-sized, dark-green peas, which retain their color and sweetness well after canning. Dry peas, wrinkled and sweet. A very desirable variety for canners' use.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

McLEAN'S ADVANCER.

A green wrinkled variety, about 2½ feet high, with broad, long pods, which are abundantly produced and well filled to the ends. Considered by some the best of the second early sorts. This Pea is used very extensively by market gardeners on account of its great productiveness, the fine appearance of its pods, and quality of the peas. It is very largely used among canners, as the skin will stand cooking without breaking.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

TELEPHONE.

This pea has proved to be a valuable acquisition. Vines large, with large, coarse leaves; pods very large, filled with immense peas, which are tender, sweet, and of excellent flavor.

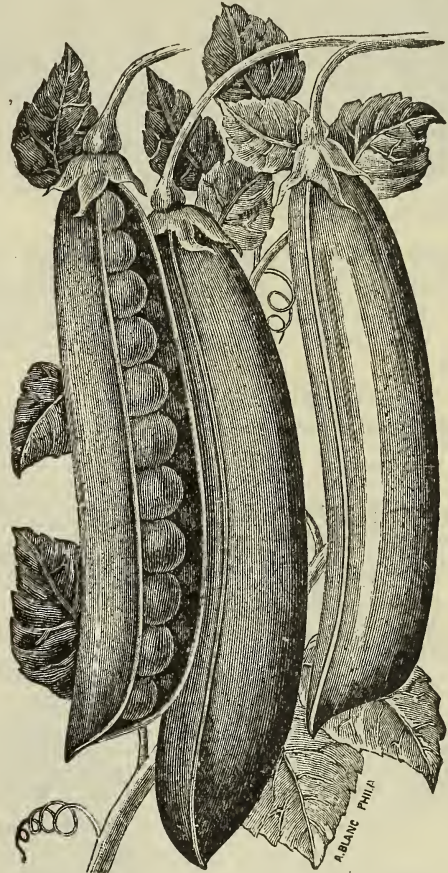
Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

LATE PEAS.

CHAMPION OF ENGLAND.

Very rich and fine flavored; very productive. Height, four to five feet.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.



IMPROVED STRATAGEM.

IMPROVED STRATAGEM.

We do not hesitate to pronounce this the best of the large-podded peas; the pods are of immense size, filled with large, dark-green peas of the finest quality; vine medium height, but very stocky, with very broad, light-green leaves, and bearing an abundance of large, handsome pods.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

SHROPSHIRE HERO.

Vines 20 to 30 inches high, wonderfully productive of large pods, which are uniformly well filled with large, fine-colored peas of good quality.

Pkt., 10c; lb., 25c; 10 lbs., \$1.00.

MELTING SUGAR.

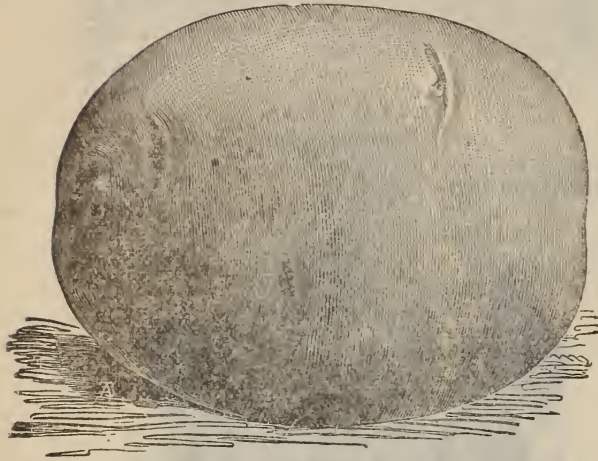
This belongs to the class of peas in which the large, sweet, brittle and succulent pods have none of the tough inner lining found in the ordinary varieties of garden peas. They are used in the same way as snap or string beans. The best of these edible podded sorts is the Melting Sugar. The pods are very large, straight and extremely tender, fine flavored, and are borne in great abundance on vines three to four feet high.

Pkt., 10c; lb., 30c.

SWISS.

A three-cornered white pea, used for soup.

Lb., 20c.

POTATOES.

PRICES—WE PREPAY POSTAGE on one pound or three pounds at prices named. Buyer pays express or freight charges on larger quantities. Sixty pounds equal one bushel.

BURPEE'S EXTRA EARLY.

Is from 10 days to two weeks earlier than Early Rose, or Beauty of Hebron. The potatoes are uniformly of good size, free from rough or scabby tubers; oblong in shape, very smooth, eyes set well on the surface, skin creamy white, slightly shaded with pink; the flesh is pure white, remarkably fine-grained, and of the very best table quality. It is a sure cropper, immensely productive, and extra early. Lb., 20c; 3 lbs., 50c; peck, 60c; bu., \$2.00.

BRIGGS' EXTRA EARLY.

Originated in Oregon. Our seed is from the original propagator.

Lb., 20c; 3 lbs., 50c; peck, 50c; bu., \$1.50.

THE FREEMAN.

So thoroughly well known and advertised, little need be said. The tubers are oval in shape, russet color, flesh very white, both when raw and when cooked; fine grained and of the best flavor; **GENUINE STOCK.**

Lb., 20c; 3 lbs., 50c; peck, 50c; bu., \$1.30.

RURAL NEW YORKER.

Very large, usually smooth, with few and shallow eyes; form oblong, inclining to round and rather flattened. Skin and flesh white, quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. It is taking a leading place as a standard field cropper.

Lb., 20c; 3 lbs., 50c; peck, 40c.

EARLY ROSE.

Lb., 15c; 3 lbs., 40c; bu., \$1.00.

BEAUTY OF HEBRON.

Lb., 15c; 3 lbs., 40c; bu., \$1.00.

POTATO EYES.

For the convenience of customers at a distance, we will send eyes of any variety by mail, postpaid, as follows: 25 eyes, 35c; 50 eyes, 60c; 100 eyes, \$1.00.

PUMPKIN.**MAMMOTH PRIZE PUMPKIN.**

The flesh and skin are of a bright golden yellow color. Flesh fine grained and of excellent quality. Notwithstanding its enormous size, it is one of the best pie pumpkins ever grown, and a splendid keeper. This enormous variety has been grown to weigh 200 pounds.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

LARGE YELLOW.

Standard for field culture.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

**NEW PIE.**

A smooth, orange-colored sort, covered with gray netting; very select, fine grained and dry. Keeps well, and cannot be beaten for table use.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

SWEET CHEESE, OR KENTUCKY FIELD.

Cheese shaped; in flavor like the Crook-neck Squash; yellow fleshed, fine grained and very productive.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

RADISH.**EARLY SCARLET TURNIP.**

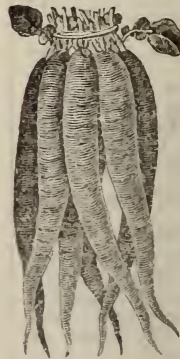
A well-known early turnip-shaped variety, very quick grower.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

EARLY LONG SCARLET. SHORT TOP.

A well-known and very popular variety of excellent quality, standard sort for market and home garden.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.



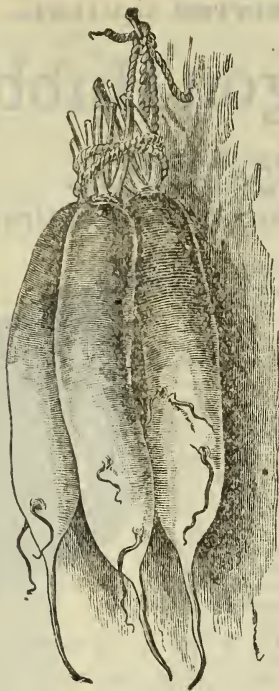
EARLY LONG SCARLET.

NON PLUS ULTRA, OR EARLY DEEP SCARLET TURNIP (Forcing).

This has as small a top and is as early as any variety in cultivation, making it one of the best for forcing. Roots fit for use may be had in three weeks or less from time of sowing. Roots small globular, deep rich red color; flesh white, crisp and tender when young. May be planted very closely owing to its small tops.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

"Every crop harvested removes part of the plant food contained in the soil. A portion of this waste is returned from the inexhaustible store of the atmosphere, but a large portion is lost forever, and must be returned by artificial means." Our No. 1 Fertilizer will restore the land and improve it.



IMPROVED CHARTIER.

IMPROVED CHARTIER.

A very handsome, attractive variety, tender and crisp. Its shape is long, being of a deep crimson at the top and shading off to white at the bottom.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLY WHITE TURNIP ROOTED.

A little flatter than the Scarlet Turnip Rooted, and pure white in color. It has a very small top; white, semi-transparent flesh, and is slightly later than the Scarlet Turnip, but will stand more heat and remain longer in condition for use.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

LONG, BRIGHTEST SCARLET.

New and distinct. Color vivid scarlet, tipped with snow white; very juicy, sweet and crisp and a rapid grower.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLY WHITE GIANT STUTTGART.

Root large, often four inches in diameter, top shaped. Skin white; flesh white and crisp, and not becoming strong or pithy until very late, so that those not used as a summer radish can be stored for winter use.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



WHITE TIP.

EARLY SCARLET WHITE TIPPED (Forcing).

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



FRENCH BREAKFAST.

FRENCH BREAKFAST.

Mild and tender and one of the best for forcing. Oval in form, scarlet, tipped with white.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

WHITE STRASBURG.

This grows to the largest size, and is usable when quite small, thus covering a long season. The mature roots are four to five inches long and about two inches thick; very white; the flesh is exceedingly crisp and tender. One of the best of the large summer sorts.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

WHITE VIENNA, OR LADY FINGER.

Of rapid growth and beautiful shape; skin and flesh snow white, very juicy, firm, crisp and tender; the finest of long, white radishes.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

FALL OR WINTER VARIETIES.

CALIFORNIA MAMMOTH WHITE CHINA.

This is the largest of all Radishes. Roots grow 10 to 12 inches long, and are solid, tender and crisp; keeps well through the winter.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

LONG BLACK SPANISH.

A long, black-skinned variety, flesh white and slightly pungent; one of the latest and hardiest.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

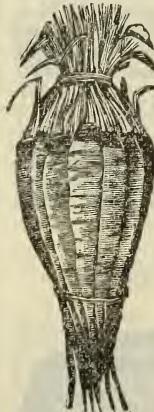
ROUND BLACK SPANISH.

Skin black; roots globe shaped; white fleshed and piquant flavor.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

SALSIFY, OR VEGETABLE OYSTER.

The long, white, tapering root of salsify resembles a small parsnip, and when cooked is a good substitute for oysters, having a very similar flavor.



SALSIFY.

MAMMOTH SANDWICH ISLAND.

This in every way superior to the old sort, being larger, stronger-growing, and less liable to branch.

Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

LONG WHITE.

Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.10.

SPINACH.



SPINACH.

IMPROVED THICK LEAVED.

A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color and quality when cooked. Especially recommended for market gardeners.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c.

LONG STANDING.

An improved round-seeded strain.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c.

VICTORIA (NEW).

Extra dark black-green color. It holds a long time in condition for use.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c.

PRICKLY WINTER.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c.

SQUASH.

MAMMOTH WHITE BUSH SCALLOPED.

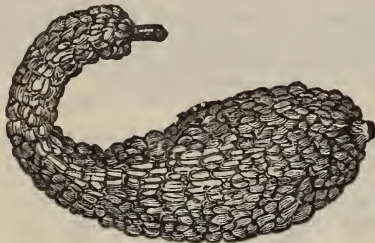
The best summer sort for the market.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



BUSH SCALLOP.

YELLOW BUSH SCALLOPED.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



CROOKNECK.

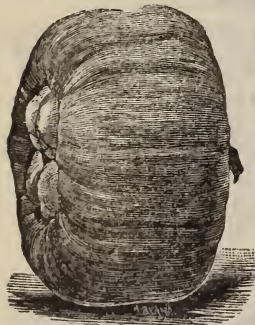
MAMMOTH SUMMER CROOKNECK.

Twice as large as the ordinary Crookneck, and several days earlier.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

BOSTON MARROW.

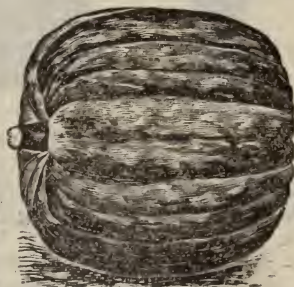
Second early, coming in about 10 days after the Bush and Crookneck sorts. Skin yellowish, very thin; the flesh dry and fine grained, and of unsurpassed flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



AMERICAN TURBAN, OR ESSEX HYBRID.

AMERICAN TURBAN, OR ESSEX HYBRID.

Short cylindrical shape, having on the blossom end a small, cap-shaped enlargement. The flesh is dry, sweet and thick, and of a bright orange color. Long keeper. Those desiring a "dry" Squash should grow this one. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



CHILLI.

MAMMOTH CHILLI.

The largest of all squashes, growing to an immense size, often weighing over 200 pounds, while its rich, fine-flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WINTER SQUASHES.

Oregon Hubbard

**Long Keeper
Great Producer
Thoroughly Acclimated**

This is the ideal squash for market, being a great improvement over Eastern-grown seed. Thoroughly acclimated, it never fails to produce and mature a crop. Its long-keeping qualities bring it into the market long after other squashes are out. This seed is the result of six years of careful selection by an experienced gardener. The seed is saved only from the finest specimens, thus keeping up the high standard already attained. With good cultivation 15 tons to the acre is not an uncommon yield.



Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

Our Prize Watch



The above cut shows the watch given away for the largest Oregon Hubbard Squash grown from seed bought of us. It was won by Mrs. G. S. Robinson, of Farmington, Or. The prize squash weighed 33 1-16 pounds.

We have saved the seed from the best squashes offered, which we will sell at 10c per pkt.

We now offer another watch of the same kind for the largest squash grown from these seeds and delivered at our store by 12 o'clock noon, of November 15, 1899.

All specimens offered will be weighed at that time, and contestants are invited to be present.

An ornamental, gold-plated flower basket, valued at \$3.00, will be given for the second largest; a pocket magnifying glass for each of the third, fourth and fifth next largest.

WE WILL PAY....
\$2.00 in cash to the person delivering at our store the largest Mammoth Chili Squash, and \$1.00 for the next largest. Seed to be bought from us this season and squashes delivered by Nov. 1st.

SIBLEY, OR PIKE'S PEAK.

One of the best keepers and fine quality. Its flesh is solid, thick, sweet, and of a beautiful orange color. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

GREEN MOUNTAIN.

Quite similar to the Hubbard in general appearance, but is smoother, larger and the flesh is of deeper color, with less green tinge to the rind. It seems to combine the excellencies of the yellow, soft-shelled and the harder-shelled sorts, and is one of the best for family use.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

HUBBARD.

This sort is so well known that a description is unnecessary.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

RHUBARB OR PIE PLANT.



PIE PLANT.

Like the seed of fruit trees, Rhubarb seed cannot be relied upon to produce the same variety. Seeds from selected plants of Victoria, Giant or Linnaeus. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

Rhubarb roots, select, too large for mailing, per dozen, 75c.

Rhubarb roots, small, by mail, postpaid, per dozen, 65c.

"A soil can be termed fertile only when it contains all the materials requisite for the nutrition of plants, in the required quantity, and in the proper form and proportions." Our Composts will renew the fertility of any soil and increase it.

SUNFLOWER.

SUNFLOWER, LARGE RUSSIAN.

Makes excellent food for chickens. lb., 20c.

TOBACCO.

HAVANA.

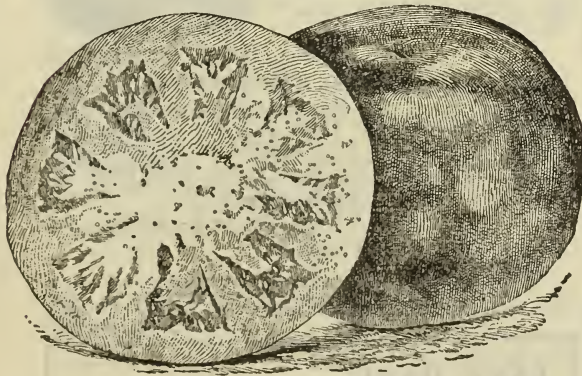
Pkt., 5c; oz., 35c; ¼ lb., \$1.00.

CONNECTICUT SEED LEAF.

Pkt., 5c; oz., 20c; ¼ lb., 60c.

TOMATOES.

We offer to our trade a **LARGE ASSORTMENT** of Tomatoes from which to select, and not a poor one in the lot.

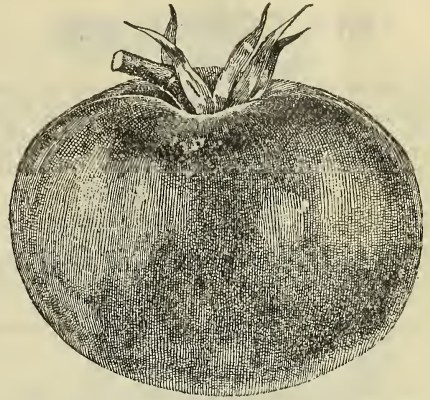


ATLANTIC PRIZE.

ATLANTIC PRIZE.

In point of earliness this undoubtedly takes the lead; in size, shape and color it compares favorably with later sorts. Color bright red.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.



DWARF ARISTOCRAT.

DWARF ARISTOCRAT.

This is practically a red variety of the Dwarf Champion. In size, solidity, productiveness and flavor, it is up to the best standard. It will be found good under glass and for early market out of doors.

Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

EARLY MICHIGAN.

An extremely smooth and perfectly shaped Tomato; very early; vines strong and vigorous.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

BRILL'S EXTRA EARLY.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

ACME.

This is one of the smoothest and evenest in size, and earliest of the purple-fruited sorts. Vine large, hardy and productive, ripening its first fruit almost as early as any, and continuing to bear abundantly until cut off by frost. Fruit in clusters; stands without a peer among its class. This variety is used for planting under glass.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

DWARF CHAMPION.

Most distinct and valuable Dwarf, stiff habit, scarcely needing any support. It is very early and wonderfully prolific. Color purplish-pink. It is perfectly round and smooth, of medium size.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LIVINGSTON'S FAVORITE.

Large and most perfect shape. Ripens evenly and early, and holds its size to the end of the season. It is very prolific, has few seeds, solid flesh, and bears shipping long distances.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

ESSEX HYBRID.

A smooth, round Tomato, red and purple, nearly uniform in size and shape. Yields remarkably large and suffers very little from rot. The plants are vigorous but not rampant, with medium-sized foliage. A very good all-round Tomato.

Pkt., 10c; oz., 40c; 1-4 lb., \$1.00; lb., \$3.50.

WE WILL PAY One Dollar in trade to the person delivering at our store the largest Essex Hybrid Tomato, and Fifty Cents in trade for the next largest. Seed to be bought from us this season.

TROPHY, IMPROVED.

Well known as one of the best. Vines of medium size, but producing compact clusters of fruit in immense quantities; fruit large, smooth and of bright red color.

Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

IGNOTUM.

A favorite with market gardeners. Color deep crimson, and very attractive.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

MATCHLESS. (NEW.)

The Matchless Tomato is well worthy of its name. In beauty of coloring and symmetry of form it cannot be excelled. The vines are of strong, vigorous growth, we set with fruit; the foliage is very rich, dark green in color. The fruit is of the largest size, and this is maintained throughout the season, the healthy growth of foliage continuing until killed by fro t.

Pkt., 10c; oz., 35c.

WE WILL PAY One Dollar in trade to the person delivering at our store the largest Matchless Tomato, and Fifty Cents in trade for the next largest. Seed to be bought from us this season.

THE NEW STONE.

Color fine scarlet, stem (calyx) set high, core small and shallow, so that but little is lost when it is taken out of the fruit before slicing. We want to make what we say of this kind definite, because there are very many good kinds, and a long list is confusing. If in doubt, buy the New Stone for market or home use.

Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

OPTIMUS.

This is one of the best Table Tomatoes. Vine medium size, but vigorous, healthy and productive. Although not represented as a first early sort, many customers have obtained ripe fruit from it as early as from any sort, and it proves to be one of the best varieties for forcing. Fruit, medium size, oval, very smooth, and of exceedingly bright crimson color, very free from cracks, and rotting but little. The flesh is of a crimson-scarlet color, quite distinct. Not only the best for home use and for market, but one of the best for canning.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LIVINGSTON'S PERFECTION.

This is one of the handsomest tomatoes grown, and all who have tried its invariably round, smooth, handsome red fruit pronounce it of the highest quality. It has been used very satisfactorily for forcing under glass.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

SMALL-FRUITED TOMATOES.

For preserves and pickles.

RED PEAR-SHAPED.

RED CHERRY-SHAPED.

YELLOW PLUM-SHAPED.

YELLOW CHERRY-SHAPED.

Pkt., 5c; oz., 30c; ¼ lb., 85c.

HUSK TOMATO, OR GROUND CHERRY.

The seed we offer is that of the true Yellow Ground Cherry. It is liked by many for preserves and for eating out of hand.

Pkt., 5c; oz., 30c; ¼ lb., 85c.

TURNIPS.

There is nothing superior to Turnips and Ruta-bagas for feeding stock, and they yield a larger amount of food per acre than any other root crop.

EARLY WHITE FLAT DUTCH.

A very popular sort for the table or market. Grows quickly. Mild flavor and excellent quality.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

POMERANIAN WHITE GLOBE.

Is one of the most productive kinds, and in good, rich soil roots will frequently grow to 12 pounds in weight. It is of perfect globe shape; skin white and smooth; leaves dark green and of strong growth.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

PURPLE-TOP YELLOW ABERDEEN.

Very hardy and productive, good keeper, globe shaped and fine quality.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.



NEW EXTRA EARLY WHITE MILAN.

NEW EXTRA EARLY WHITE MILAN.

A sort in which the extreme earliness, small top and tap root of the Purple-Top Milan is united with clear, white skin and flesh. Very desirable for early planting.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EXTRA EARLY MILAN, PURPLE TOP.

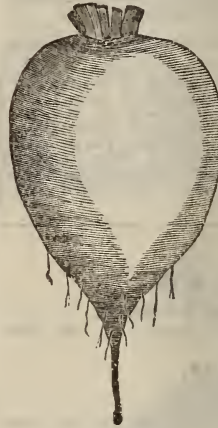
The bulb is very flat, of medium size, quite smooth, with a bright purple top. The white flesh is of the choicest quality, hard, solid, and fine grained. It is an excellent keeper.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

WHITE EGG.

A quick-growing, egg-shaped sort, pure white, growing half out of the ground.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



WHITE EGG TURNIP.

EARLY PURPLE-TOP, STRAP LEAF.

A general favorite with all, and more largely grown than any other turnip.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.



PURPLE TOP STRAP LEAF.

PURPLE-TOP WHITE GLOBE.

A variety of the purple-top flat turnip, from which it originated. It is globular in form, and nearly as large as the Pomeranian White Globe, of beautiful appearance, and of most excellent quality. Equally desirable for table or stock. It keeps well and is a fine market sort.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

COW HORN.

Carrot-shaped sort; of delicate flavor; for table use.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

SAVE HALF.....

Or two-thirds of your
Seed by using our

SEEDERS AND CULTIVATORS

SWEDES, OR RUTA-BAGAS.

MAMMOTH RUSSIAN, OR WHITE RUTA-BAGA.

This variety is most excellent, either for table or stock. It grows to a very large size, flesh white, solid, of a firm texture, sweet and rich; an excellent keeper.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

SKIRVING'S RUTA-BAGA.

Enormously productive; flesh yellow, solid and sweet. One of the best for field culture.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

IMPROVED PURPLE-TOP YELLOW.

The leading standard variety, being very distinct in type. Attaining a wonderfully large size, immense yielder. The flesh is very firm, superior in every way, valuable alike for all purposes.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

The **FIRST CONSIDERATION** in buying seeds is **QUALITY**. The saving of a trifling amount on the seeds in the **SPRING** may result in a poor crop or none at all in the **FALL**.



PURPLE-TOP YELLOW.

SWEET, POT AND MEDICINAL HERBS.

Herbs in general delight in a rich, mellow soil. Those marked with an asterisk (*) are perennial, and when once obtained in the garden may be preserved for years with a little attention. Sow the seed early in the spring in shallow drills, one foot apart; when up a few inches, thin out to proper distances, or transplant. No garden is complete without a few sweet, aromatic or medicinal herbs, for flavoring soups, meats, etc., and care should be taken to harvest them properly. They should be cut on a dry day, just before they come into full blossom; tied in bunches and hung up or spread thinly on a floor, where they can dry quickly.

ANISE.

For garnishing and flavoring. Pkt., 5c; oz., 10c.

***BALM.**

Used for tea or balm wine. Pkt., 5c; oz., 25c.

BASIL, SWEET.

Used for soups, stews and sauces. Pkt., 5c; oz., 20c.

BORAGE.

Excellent for bees, etc. Pkt., 5c; oz., 15c; ¼ lb., 40c.

***CARAWAY.**

For seed. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.
Caraway, for flavoring. Oz., 10c; ¼ lb., 20c; lb., 50c.

CATNIP.

Oz., 50c.

CORIANDER.

Grown for its seed, also for garnishing. Pkt., 5c; oz., 10c.

DILL.

Leaves used in soups, sauces and pickles; also seed for flavoring. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.
Dill for flavoring. Oz., 10c; ¼ lb., 20c; lb., 50c.

***FENNEL, SWEET.**

Leaves, when boiled, are used in fish sauces. Pkt., 5c; oz., 10c; ¼ lb., 25c.

***HOREHOUND.**

Used medicinally. Pkt., 5c; oz., 30c.

HYSSOP.

A hardy perennial with an aromatic flavor, and warm, pungent taste. It is a stimulant and expectorant, and is used in asthma and chronic catarrh.

Pkt., 5c; oz., 25c; ¼ lb., 75c.

***LAVENDER.**

An aromatic herb. Pkt., 5c; oz., 15c; ¼ lb., 35c.

***MARJORAM, SWEET.**

The young, tender tops are used green for flavoring, or they may be dried for winter use. Sow in drills as early as possible and thin out the plants to 10 inches apart. Pkt., 5c; oz., 20c.

***SAGE.**

The tender leaves and tops are used in sausage, stuffing and sauces.

Pkt., 5c; oz., 20c; ¼ lb., 70c.

SAVORY, SUMMER.

For seasoning purposes. Pkt., 5c; oz., 15c; ¼ lb., 40c.



SAGE.

***TANSY.**

For medicinal use. Pkt., 5c; oz., 30c.

***THYME, BROAD-LEAVED ENGLISH.**

For seasoning. Pkt., 10c; oz., 40c.

***WORMWOOD.**

Used medicinally, beneficial for poultry, and should be planted in poultry yards.

Pkt., 5c; oz., 30c.



SUMMER SAVORY.

***ROSEMARY.**

An aromatic and ornamental herb. Pkt., 5c; oz., 30c.

***RUE.**

For medicinal purposes; good for fowls, for the roup. Pkt., 5c; oz. 20c.



HOLT'S MAMMOTH SAGE.

SAGE, HOLT'S MAMMOTH.

This is what its name indicates. A mammoth variety. The plants are very sturdy growers, reaching one foot in height the first season and spreading so a single plant covers a circular space three feet in diameter. The leaves are borne well above the soil, keeping them clean; they are very large, averaging about 4 inches in length and 1 1/4 inches wide, and of unusual substance. Strong in flavor and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen plants of the common sort. It is perfectly hardy and attains a still larger growth the second season. **IT NEVER SEEDS.**

Each, 10c; 3 plants, 25c; 7 for 50c; postpaid

PLANTS AND ROOTS.

	Post-paid, Doz.	Express Not Paid. 100	1,000
ASPARAGUS. (2 years old.)			
Palmetto	\$0.35	\$1.00	\$6.00
Columbia Mammoth White			
Conover's Colossal			
CABBAGE.			
Early Jersey Wakefield	\$0.20	0.50	\$3.50
Henderson's Early Summer			
Late Flat Dutch	\$0.20	\$0.40	\$3.00
World Beater			
CAULIFLOWER.			
Snow Ball	\$0.25	\$1.00	\$7.00
Ex. Early Dwarf Erfurt			
Veitches Autumn Giant	\$0.20	\$0.75	\$5.00
Large Algiers			
CELERY.			
Golden Yellow	\$0.20	\$0.65	\$4.50
White Plume			
Giant Pascal			
CELERIAC.	\$0.25	\$0.75	\$6.00

	Express, per bunch, 25c.	Postpaid, per lb., 50c.
CHIVES. (Schnittlauch.)		
GARLIC.		
HORSE RADISH.	Doz.	100
HOP ROOTS.	\$0.25	\$0.75
ONION SETS.	\$0.25	\$1.00
PEPPERS.	\$0.25	\$0.15
Cayenne	\$0.25	\$1.00
Bull Nose		
RHUBARB.		
1 year	\$0.65	\$3.00
2 year	\$1.10	\$5.00
SAGE.		
Holt's Mammoth	Postpaid, 10c each; 3 for 25c	
SWEET POTATOES.		
Plants	\$0.30	\$0.85 \$5.00
TOMATOES.		
Fordhook Early	\$0.25	\$0.85 \$5.50
Atlantic Prize		
Optimus		

MISCELLANEOUS SEEDS.

Add 10c per lb. for postage if ordered by mail. Prices subject to market fluctuations. Write for firm quotations if wanted in quantity.

ARTICHOKES.	
White Jerusalem	Per lb., 5c; 100 lbs., \$2.00
BUCKWHEAT.	
Japanese	Lb., 5c; 100 lbs., \$3.50
Silver Hull	Lb., 5c; 100 lbs., \$3.00
SUNFLOWER.	
Russian	Lb., 10c; 3 lbs., 25c.

**BARLEY
FLAX
RYE
CATS** } At market prices. Write for quotation.

BIRD SEEDS.

Canary	10c per lb.; 25c per 3 lbs. Add 10c per lb. for postage if ordered by mail
Hemp	
Rape	
Millet	
Lettuce	
Mixed Bird Seed	

Our Mail Order Business.....

Extends through Oregon, Washington, Idaho, Montana, California and British Columbia. There is no reason why we should not sell goods all the way to the Atlantic Sea-Board, and we are pleased to mail Catalogs and quote prices, delivered, to

ANY STATE IN THE UNION.

Grass and Clover Seeds.

PLEASE NOTE:

PRICES given below are for shipment by freight or express. Add 10 cents per lb. if sent by mail. Prices are all subject to market changes, and we are prepared to meet any fluctuations. If wanted in quantities, please write us for quotations.



TIMOTHY
(*Phleum pratense*).

This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil of medium tenacity. It should be cut when the blossom falls. Sow early in the spring or fall, at the rate of 12 pounds per acre if alone, but less if mixed with other grasses. A bushel weighs 45 lbs. Per lb., 5½c.

TIMOTHY.



RED TOP.

RED TOP (*Agrostis vulgaris*), HERDS' GRASS.

This grass requires a moist soil and is one of the best for permanent pastures. It makes a very resistant and leafy turf, which well withstands the tramping of stock. When sown alone, use two bushels to the acre. One bushel weighs 14 pounds. Per lb., 10c.

RED TOP, FANCY.

(Cleaned from chaff). Sow 8 to 10 pounds per acre. Per lb., 20c.

ORCHARD GRASS.
(*Dactylis glomerata*.)

This is one of the best known and most popular of our cultivated grasses. It will grow well on any good soil, excepting that which is very wet. It yields an abundant crop of excellent hay and may be sown alone for this purpose, but, owing to its habit of forming tufts or tussocks, the land should be seeded heavily or the seed should be mixed with other kinds, to act as fillers or bottom grasses. The aftermath is unequaled in amount by any of the grasses ordinarily cultivated for hay. When used alone about two bushels are required per acre. One bushel weighs 14 pounds.

Per lb., 15c.



ORCHARD GRASS.



ENGLISH RYE GRASS.

ENGLISH, OR PERENNIAL RYE GRASS.
(*Lolium perenne*.)

Moist and rich loams or clays are best suited to this grass and, as with Italian Rye Grass, it responds promptly to the application of quick manure. For pastures on heavy soils in moist climates it is especially valuable, and under such conditions is largely used in mixtures for permanent pastures. Use two to three bushels per acre. One bushel weighs 20 pounds. Per lb., 10c.

RESCUE GRASS (*Bromus schraderii*).

Grows well during moist, cool weather; remarkably well adapted to give quick returns and large yield of good feed for grazing or hay. It is known to be very useful where there is moisture. Sow 20 lbs. per acre. Per lb., 20c.

CHEAT (*Bromus secalinus*).

This grass is well known and needs no description. Use two bushels to the acre. Per lb., 5c; 100 lbs., \$2.00.



ITALIAN RYE GRASS.

KENTUCKY BLUE GRASS.
(*Poa pratensis*.)
Extra Clean.

This is essentially a grass for permanent pastures, as it withstands the tramping of stock and stays green well into the dry weather. It also stands well on embankments and terraces, making it valuable for lawns. Use three bushels to the acre. A bushel weighs 14 lbs. Per lb., 10c.

KENTUCKY BLUE GRASS,
FANCY.

Cleaned from chaff. Twenty pounds per acre. Per lb., 20c.



TALL MEADOW OAT GRASS.

JOHNSON GRASS.
(*Sorghum Halapense*.)

It makes a rapid growth and is but little affected by drouth, and the hay, if cut just as the grass is coming into bloom, is much liked by all kinds of stock. Two or three cuttings may be made during the season. It spreads rapidly from the roots and is very hard to eradicate, hence unless one wishes to give up his land entirely to this grass and can certainly prevent its spreading to the lands of others, its introduction would be of doubtful economy. Use one bushel per acre. A bushel weighs 25 pounds. Per lb., 20c.



KENTUCKY BLUE GRASS.

ITALIAN RYE GRASS.
(*Lolium italicum*.)

A well-known and excellent grass for rich, moist lands. It is similar in general appearance to English Rye Grass, but has a lighter color, and is especially adapted for using in temporary meadows.

Use two to three bushels per acre. One bushel weighs 20 pounds.

Per lb., 10c.



BROME GRASS.
(*BROMUS INERMIS*)

RUSSIAN FORAGE GRASS.
AWNLESS BROME GRASS.
(*Bromus inermis*.)

It is Bromus, on account of its strong perennial character, and its unusual drouth-resisting powers, promises to revolutionize the stock industry in the semi-arid regions of the Northwest. It thrives well on dry, loose soil, although the better the soil the greater the yield. It is strongly stoloniferous, quickly making a thick, firm turf, and is of great value, both for hay and pasturage. This is the Brome Grass which has made so much talk in the last year or two, and has been experimented so largely with in Eastern Oregon and Washington. It is now pronounced a great success by all who have tried it. Sow 20 lbs. per acre.

Per lb., 20c.

HARD FESCUE (*Festuca duriuscula*.)

A slender, densely tufted perennial grass, one to two feet high. It is of little value except in pastures. Its particular merit lies in its ability to thrive on dry, sandy soils unfit for the growth of better grasses. It is also well adapted to the cooler and mountainous regions of our country, being a native of the cooler temperate regions of both hemispheres. Use two bushels per acre. Per lb., 25c.



MEADOW FESCUE, OR
ENGLISH BLUE GRASS.

MEADOW FESCUE (*Festuca pratensis*)
Or English Bluegrass.

Is an exceedingly valuable grass, either for hay or pasture. It is productive on soils that are not too dry, and being of long duration is especially valuable for permanent pasture. It thrives best on moist soils, rich in humus, whether marls or clays, and yields a large amount of early and late feed. Use two bushels per acre. A bushel weighs 14 pounds. Per lb., 15c.

SHEEP'S FESCUE (*Festuca ovina*.)

This is one of the bunch grasses and is devoid of the creeping roots. It is well adapted for cultivation on light, dry soils, especially those which are shallow and silicious. Use 2½ bushels per acre. Bushel, 14 pounds.

Per lb., 18c.



SHEEP'S FESCUE.

ROUGH STALKED MEADOW GRASS
(*Poa trivialis*.)

An erect perennial, one to three feet high, with an open spreading panicle, closely related to Kentucky Blue Grass, from which it differs in having no conspicuous root stock and the stem distinctly rough below the panicle. It is highly esteemed as an ingredient in mixtures for permanent pastures. It succeeds best when the climate and soil are rather moist and cool, but is not adapted to sandy soil. When sown alone, use 1½ bushels per acre. Fourteen lbs. per bushel. Per lb., 25c.



JOHNSON GRASS.

WATER FESCUE (*Glyceria fluitans*).

This grass grows naturally in and by the sides of ditches, pools, rivers and on alluvial fresh-water, marshy soils. Generally this grass is eaten with avidity by horses, cattle, sheep and swine.

Per lb., 30c.

CREeping BENT GRASS (*Agrostis stolonifera*).

It has long, prostrate or creeping stems, well adapted for sandy pastures, near the coast, and good for pasture on low lands, especially when the bottoms are sandy; also for lawns, as it makes a fine and enduring turf. If sown alone, use 2 bushels per acre. A bushel weighs 14 lbs. Per lb., 25c.

WATER MEADOW GRASS (*Poa aquatica*).

Sometimes called Reed Meadow Grass, is a stout, erect, leafy perennial, three to four feet high, with long, rather broad leaves, and a large nodding panicle. It grows along streams and in moist meadows. It is liked by cattle and is a good pasture grass for wet lands. Use 20 lbs. to the acre.

Per lb., 30c.

MESQUITE (*Holcus lanatus*).

Often called Velvet Grass. It possesses little nutritious value, and its cultivation is not recommended.

Per lb., 10c.

RHODE ISLAND BENT GRASS (*Agrostis canina*).

This somewhat resembles Red Top, but has shorter and narrower leaves. It makes a close sod and is valuable for permanent pastures and meadows. Twelve lbs. to the bushel.

Per lb., 35c.

ANNUAL SWEET VERNAL GRASS (*Anthoxanthum odoratum puelii*).

Its chief merit is its fragrant odor which its leaves emit when partially dried. Weight per bushel, 10 lbs.

Per lb., 20c.

REED CANARY GRASS (*Phalaris arundinacea*).

This grass is little affected by either drouth or cold, and thrives well in the shade. It succeeds best on stiff, wet land, and on wet flooded fields. The root stalks are very strong and creep extensively. It does not attain its full size till the second year, and if designed for hay, should be cut before flowering. Sow 25 lbs. per acre.

Per lb., 40c.



ALSYKE CLOVER.

ALSYKE (*Trifolium hybridum*).

A perennial in size and general appearance, intermediate between the white and red clover. It is

better adapted than any other species in general cultivation to wet meadows and marshy lands, but because of its shallow-root system will not withstand the drouth. Bushel, 60 lbs. Eight to 10 lbs. per acre. Per lb., 14c.



ALFALFA.

ALFALFA (*Medicago sativa*)

Sometimes called Lucern. This is so well known as to need no description. Use 12 lbs. per acre. Sixty lbs. per bushel. Per lb., 10c.

BOKHARA (*Melilotus alba*).

A most valuable sort for soiling. It grows from 3 to 5 feet high, and if sown on good, rich soil may be cut three times; lasts two years or more if cut before flowering. Good for ensilage and bees. Use 10 lbs. per acre. Sixty lbs. to the bushel.

Per lb., 25c.



CRIMSON CLOVER.

CRIMSON (*Trifolium incarnatum*).

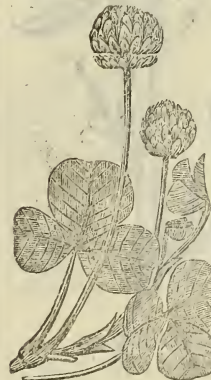
An annual clover. The stems are erect, tufted, soft and hairy all over, from one to two feet high, and the bright scarlet flowers are borne in elongated heads. It is grown mostly for an early soiling crop. Bushel, 60 lbs. Use 10 to 12 lbs. per acre. Per lb., 10c.

MEDIUM RED, OR JUNE (*Trifolium pratense*).

This is the common Red Clover, and is the most widely cultivated of all the clovers. Sow in the fall or spring at the rate of from 8 to 12 lbs. per acre. Sixty lbs. per bushel. Per lb., 12c.

MAMMOTH RED.

Grows nearly twice the size of the common red, often making a stand when other clovers fail. Use 8 to 12 lbs. per acre. Sixty lbs. per bushel. Per lb., 13c.



RED CLOVER.

ESPERSETTE (Onobrychis sativa).

Often called Sainfoin; is a deep-rooting perennial legume, extensively cultivated on dry calcareous soils which are too barren for Clover or Alfalfa. It is rather difficult to establish, as the plants are easily killed when young, but when once rooted will live from two to 25 years. Sow three bushels per acre. A bushel weighs 40 lbs. Per lb., 15c.

WHITE DUTCH (Trifolium Repens).

A small, creeping, perennial variety, valuable for pasturage and for lawns. It accommodates itself to a variety of soils, but prefers moist ground. Sow in spring at the rate of six pounds per acre, or, when used with other grasses, half that amount. Per lb., 20c.



VETCHES.

Vicia sativa may be planted either in the spring or fall in the Willamette valley.

VETCHES, SPRING TARES (Vicia sativa).

This is a species of pea and is grown extensively in Western Oregon and Washington as a forage plant. It is also used for soiling purposes. The seed should be mixed with an equal weight of wheat or oats before sowing to make it stand. Sow one bushel per acre. Sixty lbs. to the bushel. Per lb., 4c.

If you do not find the grass you want in this list, write to us and we will get it for you if it can be had.

SAND, OR WINTER (Vicia Villosa).

This variety thrives on poor and sandy soils. It is sown in either in the fall or spring and is generally mixed with rye, which serves to support the plants. It grows to a height of three or four feet, and can be cut twice for fodder—first, as soon as the bloom appears, and afterward for seed. The plant is perfectly hardy, and makes a very nutritious food.

Per lb., 10c.



SAND OR WINTER VETCH.

IDAHO COFFEE PEA (Cicer arietinum).

Chick Pea. An annual legume, native of Armenia, which has been cultivated as cattle food and as an article of human diet for over 3,000 years. Next to the cereals, it forms the largest part of the food used in Spain, India and portions of Africa. The seeds are ground into meal, and used in the same manner as cotton-seed meal for fattening animals. The leaves are covered with a clammy exudation, consisting largely of oxalic acid, so that the plant itself is unsuited for forage, but it is often used as a soil renovator. The yield of the seed is sometimes very large—upwards of 100 bushels to the acre. The crop ripens in about four months. Per lb., 25c.

COW PEAS.

This is not exactly a pea, but more properly belongs to the bean family. It is valuable as a fodder plant, sheep being very fond of it when in flower. Their chief value, however, is as a green crop to turn under. Sow two bushels per acre. Per lb., 10c.

FIELD PEAS.

Valuable for hog and cattle feeding; also for green soiling. As a food for fattening hogs it is equal to the best corn. Sow from 60 to 120 pounds per acre. Per lb., 5c.



SOJA BEAN.

Judicious fertilization will bring large returns in the way of fine crops and good prices. Try it.

SOJA BEANS.

This is the variety which has been extensively advertised as the so-called German Coffee Berry. It is recommended, however, as a really useful forage plant and is worthy of a fair trial. One bushel, 60 lbs. Per lb., 15c.

RAPE, DWARF ESSEX, OR ENGLISH.

Extensively cultivated for soiling purposes and also for feeding young cattle, lambs and sheep. Yields abundantly, and all animals are fond of it. May be sown in May, and will be ready for pasture in July and August. May be sown after taking off an early crop of potatoes. In drills, sow five lbs. per acre. Broadcast, 10 lbs. Per lb., 10c.

BROOM CORN.

An acre will give about 500 weight of broom and 40 bushels of seed, worth nearly as much as oats for feed. Per lb., 10c.

KAFFIR CORN.

The heads are long and perfectly erect, well filled with white grain, flecked with reddish-brown spots. The average height of growth on good, strong land is 5½ to 6 feet. The seed heads grow from 10 to 12 inches in length, and the product on good land reaches easily 50 to 60 bushels per acre. The whole stalk, as well as the blades, cures into excellent fodder. Per lb., 10c.

SUGAR CANE.**EARLY AMBER.**

This popular and well-known variety is the earliest and makes the finest quality of amber syrup, and good sugar. It grows usually 11 and 12 feet high, and stands up well. When planted between the 1st and 10th of May, the seed ripens almost invariably, thus giving a double crop. The seed is highly relished by poultry and all kinds of stock. It is coming into high favor with the farmers of the Pacific Northwest as a green fodder. Per lb., 10c.

MILLET.

COMMON.

An annual grass, with luxuriant leaves, very juicy and tender, relished by all kinds of stock. It makes very good hay. Sow 30 to 40 pounds to the acre. Per lb., 10c.

OREGON GOLDEN.

An improved variety, medium early, growing three to five feet high. The heads are closely condensed, though the spikes are very numerous. The seeds are contained in rough, bristly sheaths and are round, golden yellow and beautiful in appearance. Per lb., 10c.

GERMAN, OR GOLDEN.

No other plant that has yet been introduced for grass or forage has been able to produce anything approaching the enormous yield of this plant when grown under favorable circumstances. It has produced from four to five tons of hay to the acre, and from 70 to 80 bushels of seed. Sow 30 to 40 pounds to the acre. Per lb., 10c.

HUNGARIAN.

This is a species of annual Millet, growing less rank, with small stalks, often yielding two or three tons of hay per acre. It is very popular and valuable with those who are clearing timber lands. Sow and cultivate like the common. Per lb., 10c.

FLOWER SEEDS.

Our Flower Seed Department is now **MORE COMPLETE THAN EVER**, as will be seen by the following descriptive list. All seeds have been carefully tested, and any that did not show high vitality have been destroyed.

ACROCLINIUM.

Exceedingly graceful plants with everlasting flowers. Gather young if to be preserved. Mixed colors. Pkt., 5c.

AGERATUM MEXICANUM.

Free flowering, low growing bedding plant.
BluePkt., 5c
WhitePkt., 5c

AGROSTEMNIA (ROSE OF HEAVEN).

A free flowering bedding plant.
RosePkt., 5c
WhitePkt., 5c



ALYSSUM. (SAXATILE.)

ALYSSUM.

A well-known border plant.
Maritimum, SweetPkt., 5c
Maritimum, Little GemPkt., 5c
Saxatile, GoldenPkt., 5c

AMARANTUS.

Strong growing ornamental plants for bedding purposes. Mixed varieties. Pkt., 5c

ANEMONIUM.

Fine white, everlasting.
Alatum GrandiflorumPkt., 5c

ANEMONE CORONARIA.

Beautiful spring flower. Mixed.....Pkt., 5c



ASTERS.

ASTERS.

We offer a fine assortment of these beautiful autumn blooming flowers, and think that they will give excellent satisfaction.

- Truffaut's WhitePkt., 10c
- Truffaut's CrimsonPkt., 10c
- Truffaut's Light BluePkt., 10c
- Truffaut's RosePkt., 10c
- Truffaut's MixedPkt., 10c
- Victoria WhitePkt., 10c
- Victoria RosePkt., 10c
- Victoria ScarletPkt., 10c
- Victoria VioletPkt., 10c
- Victoria MixedPkt., 10c
- Comet MixedPkt., 10c
- Simple WhitePkt., 5c
- Simple PinkPkt., 5c
- Simple MixedPkt., 5c

AURICULA (Primula Auricula).

Beautiful spring blooming flowers.
Fine mixedPkt., 25c

BACHELOR'S BUTTON (Centaurea Cyanus).

The well-known corn flower.
Single mixedPkt., 5c
Double mixedPkt., 5c

BALSAM.

Touch-me-not, or Lady's Slipper. Beautiful popular summer flowers of varied colors. Prefer rich, sandy soil and should be well watered.
Extra fine double mixed ..Pkt., 10c
Camelia flowered mixed ..Pkt., 10c



BALSAMS.

BRACHYCOME (SWAN RIVER DAISY).

Pretty flowers for borders and edgings.
MixedPkt., 5c

BROWALLIA.

Elegant greenhouse annuals. Fine for cutting.
Elata mixedPkt., 10c

CANARY BIRD FLOWER.

A pretty and graceful climber. Pkt., 5c

CALENDULA (POT MARIGOLD).

Showy, free-flowering, hardy annuals. Pkt., 5c



CALLIOPSIS.

CALLIOPSIS (Coreopsis).

Are of bright, attractive colors and easy cultivation.
MixedPkt., 5c

CANTERBURY BELLS (Campanula).

One of the best known hardy flowers, succeeding well in any situation.
Single mixed....Pkt., 5c
Double mixed....Pkt., 10c



CANDYTUFT.

CANDYTUFT (Iberis).

Beautiful bedding and border flowers, being quite fragrant.

Odorata, white.....Pkt., 5c
Odorata, mixed.....Pkt., 5c

CANNA (Indian Shot).

Ornamental, tropical-looking plants, of easy culture, the Crozy varieties having especially large and beautiful flowers.

Crozy's fine mixedPkt., 10c



CARNATION.

CARNATION.

Our seeds of this favorite flower are from some of the best growers of Europe, and we think will give the best of satisfaction.

The Margaret varieties bloom the first year from seed and are suitable for both outdoor and pot culture.

Double CommonPkt., 5c
Double Extra ChoicePkt., 10c
Double PerpetualPkt., 25c
Double MargaretPkt., 10c

CELOSIA.

Splendid foliage plants and fine for vases. The ostrich feathered having especially large plumes.
Plumosa Thompson's superb feathered mixedPkt., 10c
Ostrich feathered mixedPkt., 10c

CENTAUREA CANDIDISSIMA.

Fine silver-leaved plants for edgings, beds, etc. Pkt., 10c

CHRYSANTHEMUM (Annual).

The annual chrysanthemums are showy, free bloomers, doing especially well in large beds in the garden.

Coronarium Double Mixed.....Pkt., 5c

CINERARIA, HYBRIDA.

Among the finest blooming greenhouse plants, of bright, distinct colors.

Finest mixed from named flowersPkt., 25c



CINERARIA.

CLARKIA.

Pretty, free flowering plants of the easiest cultivation, the double being especially fine.

Single mixed.....Pkt., 5c
Double mixed....Pkt., 5c

COBAEA SCANDENS.

A rapid growing climbing plant bearing purple flowers. Should be started in the house and afterwards transplanted outdoors.

Pkt., 10c

COLLINSIA.

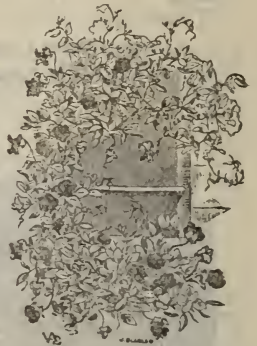
Bright colored free flowering annuals. If sown in the autumn will bloom early in the spring.

Mixed..... Pkt., 5c

COLUMBINE.

Elegant, free flowering, hardy perennials, preferring a moist, sunny situation.

Vulgaris, single mixed, 5c
Vulgaris, double mixed, 5c



COBAEA SCANDENS.

CONVOLVULUS (Morning Glory).

The Major and Japanese varieties are beautiful climbing sorts of a great variety of colors, while the Minor are fine for bedding, rockeries and hanging baskets.

Major, fine mixed..Pkt 5c
Imperial Japanese....10c
Minor5c



MORNING GLORY.

COSMOS.

Tall-growing, showy autumn-blooming plants, which have gained rapidly in popular favor within the last few years, the mammoth varieties being especially fine.

WhitePkt., 5c
PinkPkt., 5c
ScarletPkt., 5c
MixedPkt., 5c



COSMOS.



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NEW MAMMOTH FANCY COSMOS.

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

CYCLAMEN GIGANTEUM.

The seed produces bulbs from which beautiful flowers are produced within twelve months' time. The Cyclamen is especially fine for pot culture in parlor or greenhouse.

- Giganteum Mixed Pkt., 25c

CYPRESS VINE (Impomoea quamoclit).

- Pretty little climbers of bright-colored flowers.
- Scarlet Pkt., 5c
- Mixed Pkt., 5c

DAHLIA.

A magnificent fall-blooming bulbous-rooted plant, which can be readily started from seed. We offer a fine strain of seed of both tall and dwarf.

- Tall Double Mixed..
- Pkt., 10c
- Dwarf Double Mixed
- Pkt., 10c



DAHLIA.

DAISY (Bellis perennis).

A well-known and popular perennial plant, bearing beautiful flowers.

- Double Mixed ... Pkt., 10c
- Double, from selected flowers.... Pkt., 25c



DAISY.

DATURA.

Large, showy, trumpet-shaped flowers. Cornucopia (Horn of Plenty), purple and white flowers of immense size. Pkt., 10c

ECHINOCYSTIS LOBATA (Wild Cucumber ber).

A popular climber of easy cultivation, growing 10 to 12 feet high. Pkt., 10c



ESCHSCHOLTZIA, OR CALIFORNIA POPPY.

ESCHSCHOLTZIA (California Poppy).

Showy bedding flowers of easy growth, quite popular.

- Californica, yellow Pkt., 5c
- Mixed Pkt., 5c

EUPHORBIA VARIEGATA.

Having fine variegated foliage. Pkt., 5c

FORGET-ME-NOT (Myosotis).

- Beautiful spring favorites, of easy growth.
- Blue Pkt., 10c
- Mixed Pkt., 10c

FOX-GLOVE (Digitalis).

A well-known, hardy border plant.

- Purpurea, mixed. Pkt., 5c

FOUR O'CLOCK (Marvel of Peru).

Having handsome, free-flowering, sweet-scented, various-colored blossoms.

- Mixed Pkt., 5c



A. BLANC, PHILA.

FOXGLOVE.

GILIA.

Free-blooming annuals, fine for beds.

- Blue Pkt., 5c
- Mixed Pkt., 5c

GAILLARDIA.

Showy and free bloomers, very pretty and good bedders. Fine for bouquets.

- Picta mixed Pkt., 5c

GENTIANA.

Fine, hardy plants, bearing showy flowers of a blue color.

- Cruciata Pkt., 10c

GEUM.

Hardy, free-blooming plants.

- Chiloense, scarlet Pkt., 5c

GLOBE AMARANTH (Gomphrena).

An old favorite everlasting flower.

- Mixed Pkt., 5c

GODETIA.

Fine, profuse-blooming, hardy annuals of beautiful colors.

- Fine Mixed Pkt., 5c

GOURDS.

Excellent for arbors, trellises, etc.; of rapid growth and bearing curious fruits of various sorts.
 Dipper Pkt., 5c
 Dish-cloth Pkt., 5c
 Nest Egg Pkt., 5c
 Mixed Pkt., 5c

GYPSOPHILA.

Fine for bouquets, and will grow in any situation or soil.
 Elegans Mixed Pkt., 5c
 Paniculata, White Pkt., 5c

HELIOTROPE.

Beautiful, fragrant greenhouse and bedding plants.
 Mixed Pkt., 10c

HIBISCUS AFRICANUS.

Showy annuals of easy culture. Pkt., 5c

HELICHRYSUM (Everlastings).

Highly prized flowers for winter bouquets; blooms large and of bright colors.
 Bracteatum, Double Mixed Pkt., 5c
 Monstrosum, Double Mixed Pkt., 5c



HOLLYHOCK.

HOLLYHOCK.

The seed that we offer of these popular, hardy perennials is from the celebrated Chater collection, which is admittedly the finest in cultivation.
 Extra fine mixed, Pkt., 10c

HYACINTH BEANS (Dolichos Lablab).

A rapid-growing, free-flowering vine, fine for screens.
 Mixed Pkt., 5c

ICE PLANT (Mesembrianthemum crystallinum).

An interesting plant. Fine for hanging baskets. Pkt., 5c

IMPOMOEA MEXICANA GRANDIFLORA ALBA, (Moon flower).

A very fine climber belonging to the Morning Glory family.
 White Pkt., 10c

IPOMOPSIS.

Flowers bright and beautiful. Seed should be started in the house.
 Mixed Pkt., 5c

LARKSPUR (Delphinium).

Ornamental, free-blooming, hardy plants of erect branching habits and of easy cultivation.
 Dwarf Rocket Mixed Pkt., 5c
 Emperor Imperial Branching Mixed Pkt., 5c

LINUM GRANDIFLORUM RUBRUM. (Crimson Flax).

Handsome free-flowering plants, fine for pots. Pkt., 5c

LOBELIA.

Beautiful bedding and border plants of various colors, fine also for hanging baskets.
 Erinus Gracilis, Blue Pkt., 5c
 Erinus Crystal Palace Compacta, Dark Blue, Fine Pkt., 25c
 Erinus Mixed Pkt., 5c

LOVE-IN-A-MIST (Nigella).

Ornamental, easily grown, hardy plant.
 Fine Mixed Pkt., 5c

LUPIN (Annual).

Fine ornamental bedding plants of easiest culture.
 Dwarf Mixed Pkt., 5c

LYCHNIS.

Brilliantly colored border plants.
 Mixed Pkt., 5c

MAIZE (Zea Japonica).

Has beautiful striped leaves, being an ornamental variety of corn. Pkt., 5c

MARIGOLD.



MARIGOLD.

An old garden favorite of various shades of yellow.
 Double African Mixed Pkt., 5c
 Double Dwarf African, Pride of the Garden Pkt., 10c
 Dwarf French Mixed Pkt., 5c

MIGNONETTE.

Very fragrant, free-flowering annuals, fine for both pot and bedding purposes.
 Odoratus Grandiflorus Pkt., 5c
 Golden Queen Pkt., 5c
 Machel, Dwarf Pkt., 10c



MIGNONETTE.

MORMORDICA BALSAMINA (Balsam Apple).

A well-known, curious climber. Pkt., 5c

MIDIULUS MOSCHATUS.

The well-known Musk-Plant. Pkt., 10c

NASTURTIUM (Tropaeolum).



NASTURTIUMS--DWARF.

The tall-growing sorts are fine climbers and have beautiful flowers.

The dwarf varieties make fine bedding or border plants Pkt.
 Tall Scarlet 5c
 Tall Crimson 5c
 Tall Orange 5c
 Tall Light Yellow 5c
 Tall Fine Mixed 5c
 Dwarf Crimson 5c
 Dwarf Scarlet 5c
 Dwarf Yellow 5c
 Dwarf Rose 5c
 Dwarf White Pearl 5c
 Dwarf Splendid Mixed .. 5c

NEMOPHILA.

Beautiful bedding and border flowers of easiest growth. Should be in every garden.
 Mixed Pkt., 5c

NICOTIANA AFFINIS.

Fine decorative plant with sweet-scented flowers. Pkt., 5c

OENOTHERA (Evening Primrose).

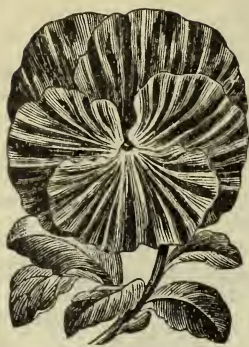
Fine, free-flowering plants, especially suitable for backgrounds or shrubbery borders.
 Mixed Pkt., 5c

PANSY.

The seed that we offer of these favorites is from fine strains, and will well repay growing. To get the largest flowers the seed should be sowed in the fall, when the plants will bloom early next spring. Pkt.
 Fine Mixed 5c
 Extra Choice Mixed 10c
 Gold Margined 5c
 King of the Blacks 5c
 Trimardeau Mixed 15c
 Trimardeau White 20c
 Trimardeau Yellow 20c
 Trimardeau Striped 20c
 Trimardeau Azure Blue. 20c
 Odier 25c



KING OF THE BLACKS.



ODIER.

PENSTEMON.

Beautiful herbaceous perennials, very hardy and free-flowering.

Mixed Pkt., 5c

PERILLA NANKINENSIS.

Attractive ornamental-leaved plants. Pkt., 5c

PETUNIA.

An old favorite bearing freely beautiful, fragrant flowers; thrives well in almost any soil. Pkt.

Hybrida, Single Mixed.. 5c

Hybrida, Thorburn Superb Giant, Single Mixed...25c

Hybrida Double Mixed .50c

PHLOX DRUMMONDII.

A very highly colored and attractive genus of flowering plants, remaining a long time in bloom. These are annual flowers, and need to be sown new every year.

Pkt.

Black Warrior 5c

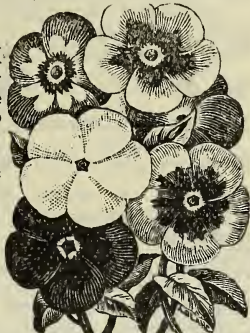
Star of Quedlinburg.....10c

Grandiflora, White10c

Grandiflora, Scarlet10c

Grandiflora, Mixed10c

Nana Compacta, Dwarf.10c



PHLOX DRUMMONDII.

PHLOX PERENNIAL.

Very fine perennial flowers. Should be in every garden.

Fine mixed Pkt., 10c

PHORMIUM TENAX VARIEGATA (New Zealand Flax).

A very handsome variegated plant. Pkt., 10c



STAR OF QUEDLINBURG.

PINK (Dianthus).

For beauty and fragrance and general utility cannot be easily excelled. Pkt.

Chinensis Double Mixed. 5c

Heddewigii Finest Single Mixed 5c

Heddewigii Finest Double Mixed10c

Plumarius Fine Mixed . 5c



HEDDEWIG'S SINGLE.

POPPY (Papaver).

Very showy, free-flowering plants, suitable for beds or borders. Pkt.

Double Carnation Mixed. 5c

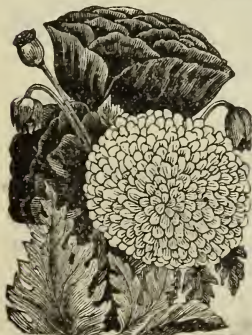
Double American Flag..10c

Danebrog, Very Fine Single 5c

Iceland, Beautiful Fine Mixed10c

Shirley, Best Mixed10c

Umbrosium, Fine 5c



POPPIES.

PORTULACA (ROSE MOSS).

Unrivalled for the brilliancy and delicacy of their colors. Great favorites everywhere.

Single Mixed Pkt., 5c

Double Mixed Pkt., 10c

PRIMULA (Primrose).

The first two varieties named below are hardy, early blooming garden plants, and the other is the beautiful winter-blooming house plant.

English Yellow Pkt., 10c

Japanica, Mixed Pkt., 10c

Signata Fimbriata, Extra Fine Mixed... Pkt., 25c

PYRETHRUM PARTHENIUM AUREUM.

(Golden Feather).

Beautiful ornamental-leaved plants. Fine for borders.

Parthenium Aureum Pkt., 5c

PARTHENIUM AUREUM SELAGENOIDES,

A fine, fern-leaved sort. Pkt., 10c

RICINUS (Castor Oil plant).

A genus of very ornamental, tropical-looking plants, much used for centers of beds.

Arboreus Borboniensis, tallest sort Pkt., 5c

Zanzibariensis, Large and Fine..... Pkt., 5c

Mixed Pkt., 5c

ROCKET SWEET (Hesperis).

Free-blooming and very fragrant, white. Pkt., 5c

SALPIGLOSSIS.

An annual having very showy, funnel-shaped flowers of large size. Fine for bedding purposes in rich soil.

Splendid Tall Mixed Pkt., 5c

Fine Dwarf Mixed Pkt., 5c

SALVIA (Sage).

Salvias make fine bedding plants, being easily grown, free flowering and very showy.

Splendens, Scarlet Pkt., 10c

Splendens Compacta Erecta, Dwarf Scarlet Pkt., 25c

Patens, Blue Pkt., 25c

SCABIOSA (Mourning bride).

Showy border plant, with fine variegated flowers. Dwarf, Double Mixed Pkt., 5c

SCHIZANTHUS.

Attractive-looking, free-blooming annual, bearing large, beautiful flowers of many shades of color. Fine for bedding, especially if started early in the house in pots and afterwards planted out.

Fine Mixed Pkt., 5c

SILENE (Catchfly).

Bright-colored, free-flowering annuals, suitable for rock work or open border.

Pendula Mixed Pkt., 5c

SMILAX (Myrsiphyllum Asparagoides).

A graceful climbing plant, beautiful, when cut, for house and table decorations. Pkt., 10c

SNAPDRAGON (Antirrhinum).

One of the finest free-blooming perennials, especially good for beds and borders.

Tall Fine Mixed Pkt., 5c

Dwarf Fine Mixed Pkt., 5c

STOCKS.

(German Ten Weeks).

Unsurpassed for beauty and fragrance. Fine for pots, bedding, edgings, etc. blooming all summer. Pkt.

Dwarf Large Flowering, Mixed 1c

Dwarf Large Flowering, White10c

STOCKS (Winter).

Mixed Pkt., 10c



STOCKS.

SUNFLOWER (Helianthus).

Large, showy plants, especially suitable for backgrounds and shrubby borders.

Texas Silver Queen Pkt., 5c

Dwarf Double Pkt., 5c

Dwarf Double Var Foliage Pkt., 5c

Flora Pleno Multiflora Pkt., 5c

Large Russian Single Pkt., 5c

SWEET PEAS.

Our stock of these favorite flowers is **FIRST-CLASS**, and includes many of the newer varieties, as well as a long list of standard sorts. Those printed in capitals are of special merit. Prices quoted include **PREPAYMENT OF POSTAGE.**



AMERICA.	Pkt.	1 oz.	2 oz.	¼ lb.	1 lb.
The brightest blood-red, striped	\$0.05	\$0.10	\$0.15	\$0.25	
Apple Blossom—Bright Rose and pink; beautiful .....	.05	.10	.15	.25	
BLANCHE BURPEE.					
Largest pure white .....	.05	.10	.15	.25	
Bianche Ferry—The popular pink and white .....	.05	.10	.15	.25	
BLANCHE FERRY.					
Extra early; fully 10 days earlier .....	.05	.10	.15	.25	
Blushing Beauty—Very fine, delicate pink; hooded form .....	.05	.10	.15	.20	
Boreatton—Very dark maroon, self-colored .....	.05	.10	.15	.20	
Butterfly—White laced, with lavender .....	.05	.10	.15	.20	
Captain of the Blues—Purple and pink .....	.05	.10	.15	.20	
Cardinal—Intense crimson, scarlet .....	.05	.10	.15	.20	
COUNTESS OF RADNOR.					
Pale Mauve or lavender .....	.05	.10	.15	.25	
CUPID.					
Dwarf, white .....	.10	.25	...	...
Dwarf, pink .....	.10	.25	...	...
Dlight—White, slightly crested with crimson .....	.05	.10	.15	.20	
Dorothy Tenant—Deep rosy mauve; beautiful .....	.05	.10	.15	.20	
EMILY HENDERSON.					
White; blooms early and profusely .....	.05	.10	.15	.25	

Firefly—A deep, brilliant scarlet; truly a fiery shade ...	.05	.10	.15	.25
Gaiety—Lively stripes of crimson on white .....	.05	.10	.15	.20
Ignea—Magenta rose .....	.05	.10	.15	.20
LEMON QUEEN.					
Very light rose pink, with primrose yellow shade on back .....	.05	.10	.15	.20
Her Majesty—Large flowers of a beautiful rose color...	.05	.10	.15	.20	
Indigo King—Deep maroon; nearly indigo .....	.05	.10	.15	.20
JUANITA.					
New; large, white flowers, with stripes and dashes of lavender .....	.05	.10	.15	.20
KATHERINE TRACY.					
Soft but beautiful pink .....	.05	.10	.15	.20
Lottie Eckford—White ground, suffused with lavender blue .....	.05	.10	.15	.20
MRS. ECKFORD.					
Beautifully shaded primrose yellow .....	.05	.10	.15	.25
Mrs. Gladstone—A lovely, soft pink .....	.05	.10	.15	.25
Mrs. Sankey—Flowers white, seeds black .....	.05	.10	.15	.25
Primrose—Pale primrose yellow .....	.05	.10	.15	.25
Princess of Wales—Striped purple on nearly white ground .....	.05	.10	.15	.25
RAMONA.					
A creamy white, daintily splashed with pale pink...	.05	.10	.15	.25	
Senator—Bright brown and chocolate, shaded and striped on white .....	.05	.10	.15	.25
Splendour—Rich purple red...	.05	.10	.15	.25	
Stanley—Rich dark maroon; this is the finest dark variety .....	.05	.10	.15	.25
The Queen—Mauve and pink.	.05	.10	.15	.25	
Venus—Lovely salmon buff, shaded rosy pink .....	.05	.10	.15	.25
	Pkt.	1 oz.	2 oz.	¼ lb.	1 lb.
Named varieties, mixed	\$0.05	\$0.10	\$0.15	\$0.25	\$0.75
Eckford's Hybrids, finest mixed05	.10	.15	.20	.65
Choice mixed05	.10	.15	.20	.60
Any of above varieties, 5c per packet, postpaid.					

EVERLASTING PEAS.

A perennial climber, producing a succession of white, rose and purple blossoms, in clusters. Ten feet high. Mixed. Pkt., 5c

SWEET WILLIAM (Dianthus Barbatus).

A very popular free-flowering plant, producing large heads of beautiful colored flowers. Single MixedPkt., 5c Double MixedPkt., 5c

THUNBERGIA.

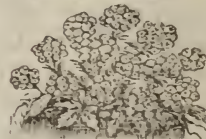
An interesting class of plants of easy culture and attractive bloom. Fine mixed. Pkt., 5c

VALERIANA.

Fine border plants, with sweet-scented flowers. Fine mixed..... Pkt., 5c

VERBENA HYBRIDA.

Beautiful, profuse-flowering plants, of many distinct colors, fine for both pot plants and garden culture.



VERBENA.

Blue	Pkt., 10c
White	Pkt., 10c
Scarlet	Pkt., 10c
Striped	Pkt., 10c
Hybrid Mixed	Pkt., 5c
Mammoth Mixed	Pkt., 10c

VINCA.

Fine for conservatory, parlor, border or beds.
MixedPkt., 10c

VIOLET (Sweet-scented).

Popular flowers of great beauty and fragrance. The seed is slow to germinate, and hence should be put in early.
BluePkt., 10c



WALL FLOWER.

VIRGINIAN STOCK.

A fine early flowering plant
MixedPkt., 5c

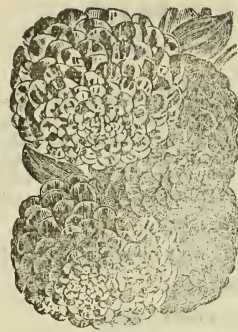
WALLFLOWER.

Old favorite flowers, extremely fragrant and of long duration of bloom.
Single MixedPkt., 5c
Double MixedPkt., 10c

WITTLAVIA GRANDIFLORA.

Pretty free-flowering, bell-shaped flowers.
PurplePkt., 5

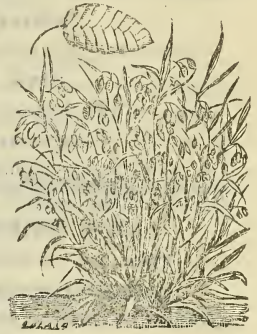
XERANTHEMUM ANNUM.
Old favorite everlasting
MixedPkt., 5c



ZINNIA.

ZINNIA ELEGANS.

Fine bedding and border plants of easiest cultivation, and should be in every collection. Pkt.
Tall Double Mixed5c
Dwarf Double Mixed5c



BRIZA.

ORNAMENTAL GRASSES.

The following varieties are all fine for winter bouquets or decorations: Pkt
Agrostis Nubulosa5c
Briza Gracilis5c
Stipa Pennata (Feather Grass)5c
G y n e r i u m A r g e n e u m (Pampas Grass)5c



STANDARD FLOWER POTS.

	Pots only.		Pots and Saucers.			Pots only.		Pots and Saucers.	
	Each.	Per doz.	Each.	Per doz.		Each.	Per doz.	Each.	Per doz.
2-inch	\$0.03	\$0.20	\$. . .	\$. . .	8-inch	.18	1.75	.25	2.60
3-inch	.14	.5	. . .	. . .	9-inch	.20	2.25	.30	3.35
4-inch	.05	.50	.08	.75	10-inch	.30	3.25	.45	4.85
5-inch	.08	.75	.12	1.10	12-inch	.50	5.00	.65	6.65
6-inch	.10	1.0	.15	1.50	15-inch	1.00	10.00	1.25	12.50
7-inch	.15	1.50	.23	2.25					

ROSES.

Prices given are for ONE-YEAR-OLD PLANTS, grown in 2 1/2 and 3-inch pots. They are healthy and vigorous plants, with an abundance of roots. These are sent by mail, postpaid, on receipt of price quoted. All plants are distinctly labeled, and we guarantee safe arrival at destination.

Our TWO-YEAR-OLD BUSHES are 13 to 24 inches high, according to variety, strong and well branched, and will produce flowers in a short time after planting. They are too large to be sent by mail and are sent by express at expense of the buyer.

EIGHT GRAND NEW ROSES.

Price 20c. each; set of eight sorts, \$1.25; 2-year-old plants, 35c. each.

MAMAN COCHET.

This is one of the most beautiful new Tea Roses that has been introduced in years. The color is a deep, rosy pink, the inner side of the petals silvery rose; makes charming bunches of long-stemmed flowers when cut.

WHITE MAMAN COCHET.

Identical with Maman Cochet, except in color, which is pure snowy white. One of our grandest varieties, and sure to become popular.

GOLDEN GATE.

Creamy white; center and base of petals soft, golden yellow, exquisitely bordered with clear rose; buds long and pointed. One of the finest and most beautiful new roses.

MAD. WAGRAM.

A vigorous-growing new rose, having very large, flat flowers five inches across when expanded, color, beautiful satiny rose color. A very fine variety.

SYLPH.

Ivory white, tinted peach; large, high-centered, with deep, stiff petals; erect, free habit, foliage beautiful, very free in bloom. A most promising bedding variety, as it is very hardy for a Tea, and the flowers last well.

PRINCESS VENOSA.

A strong grower, producing very long-pointed buds. Color, nankin yellow, with shadings of carmine, a most remarkable combination of colors.

SOUVENIR PRESIDENT CARNOT (Hybrid Tea).

A charming new French rose; one of the most promising new roses we have had the pleasure of offering in years. The flower is of large size, of exquisite shape, with heavy, thick, shell-like petals; buds long and pointed, and all borne on long, stiff, erect stems. Color, delicate rosy flesh, shaded a trifle deeper at the center. A very profuse bloomer.

MEDIA.

Flowers bright lemon, with canary center; of immense size and very double. One of the most promising yellow roses, and altogether a splendid sort, worthy of extensive cultivation.

THE FOUR RAMBLERS.

15c. each; the set of four for 50c.

CRIMSON RAMBLER.

This is the most decided novelty in roses we have had in years. The plant is a vigorous grower, making shoots from 8 to 10 feet long in a season. The flowers grow in great pyramidal panicles, each carrying 30 to 40 blooms. The color is a bright, vivid crimson. 15c each; 2-year-old plants, 30c each.

WHITE RAMBLER.

Flowers are pure snow-white and sweetly scented.

PINK RAMBLER.

Color of the flowers, pure, shiny rose.

YELLOW RAMBLER.

A new, hardy yellow climbing rose, blooming after the same manner as the Crimson Rambler.

NEW CLIMBING ROSES.

Price, 20c.; 2-year-old plants, 40c. each.

CLIMBING CAPTAIN CHRISTY.

Charming peach-pink color; exquisite fragrance.

CLIMBING METEOR.

Very free-flowering, producing all through the growing season its rich, dark-velvety crimson flowers.

CLIMBING WOOTTON.

This is a very strong, rapid grower, throwing long, thick canes, and bearing large clusters of very large crimson flowers in great profusion.

WHITE MARECHAL NIEL.

Identical with Marechal Niel, except that it is creamy white in color. Grand novelty; 30c each.

A SELECT LIST OF EVER-BLOOMING ROSES.

Price, 10c. each, except where noted. 2-year-old plants, 30c. each.

Prices given are for strong plants, grown in 2½ and 3-inch pots.

BELLE SIEBRECHT.

A true solid pink of the richest shade; a rare color; 15c each.

BARON BERGE.

Light yellow, with a pink border to the petals; center, bright China rose.

BRIDESMAID.

A fine, clear, dark pink.

BOUGERE.

Extra large, very double and full; color, bronze rose, delicately shaded with lilac.

RON SILENE.

Color dark, rosy carmine. A general favorite.

CAPTAIN LEFORT.

Color rich violet crimson, softly tinted with rosy salmon.

CATHERINE HERMET.

Beautiful silvery pink, blended with yellow at base of petals.

COUNTESS EVA STARHEMBURG.

Nicely formed buds, color creamy yellow, shaded to ochre.

CHARLES LEGRADY.

Fine chamois red, richly shaded with violet crimson.

CHAMPION OF THE WORLD.

Deep pink; very floriferous.

DEVONIENSIS.

Beautiful creamy white, with rosy center; an old favorite.

DUCHESS OF ALBANY.

Similar to La France, but more vigorous in growth and much deeper in color.

DOCTEUR GRILL.

Clear buff pink, passing to rose and fawn.

Each, 15c.

DR. DUSSILLET.

Color, clear yellow, shaded rose.

DUCHESS DE BRABANT.

Color, a soft, rosy flesh, changing to deep rose.

DUCHESS MARIE SALVIATI.

Color chrome orange, shaded rosy flesh. Each, 15c.

ETOIL DE LYON.

Sulphur yellow, deeper in the center.

EDOUARD LITTAYE.

Carmine-tinted amaranth, passing to pale rose.

GENERAL ROBERT E. LEE.

Elegant long-pointed buds of a deep orange yellow. Each, 15c.

HERMOSA.

Beautiful clear rose; a constant bloomer; hardy

HOMER.

Beautiful folded buds of a light rose color; a fine bedder.

H. M. STANLEY.

Color beautiful amber rose, delicately tinged, apricot yellow. Each, 15c.

ISABELLA SPRUNT.

Bright canary yellow; beautiful buds.

J. B. VARRONE.

Intense scarlet crimson, shaded with buff rose; rich and rare color in the rose family.

KAISERIN AUGUSTA VICTORIA.

This is one of the grandest of all roses. It is a strong, vigorous grower, producing buds and flowers in great profusion; color ivory white; of very heavy substance. Each, 15c.

LA FRANCE.

Color a silvery rose, changing to pink. A general favorite and the sweetest of all roses.

LUCIOLA.

Very bright carmine rose, tinted and shaded with saffron; the base of the petals being copper color, with reverse a rosy bronze; large-pointed buds; very sweet scented. The coloring is entirely new and very brilliant. Each, 15c.

MAD. PERNET-DUCHERE.

Long and distinct shaped buds of a light canary color. Each, 15c.

METEOR.

Remarkably rich, dark velvety crimson.

MAURICE ROUVIER.

Flowers of immense size; color soft, tender rose, shaded and varied with red.

MAD'ELLE CLAUDINE PERREAU.

Beautiful rosy blush, passing to clear pink.

MADAME DE WATTVILLE.

Creamy white, each petal edged with pink.

MADAME ELI LAMBERT.

Rich creamy white, faintly tinged with pale yellow, and exquisitely bordered with soft, rosy flesh.

MADAME FRANCISCA KRUGER.

Deeply shaded, coppery yellow. One of the finest roses in existence.

MADAME HOSTE.

Creamy yellow, with deep buff yellow center; very large and deliciously sweet. Each, 15c.

MAD. JOSEPH SCHWARTZ.

Color pure white, elegantly tinged and shaded with pale yellow and rosy blush.

MADAME MARTHA DU BOURG.

Color fine creamy pink, with rosy flesh center.

MADAME PHILEMON COCHET.

Color delicate pink shaded salmon.

MADAME WELCHE.

Deep orange, often shaded reddish copper.

MARIE GUILLOT.

Color pure snow white.

MARIE VAN HOUTTE.

Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright, rosy carmine.

MOSELLA.

Flowers creamy white, shaded to apricot yellow in the center.

NIPHETOS.

Large, graceful buds of snow white. Each, 15c.

POPE LEO XIII.

In line of old Niphetos; color white, shaded with light yellow and salmon.

PAPA GONTIER.

A magnificent red rose; flowers large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson.

PERLE DES JARDINES.

This magnificent yellow tea rose still retains its position as one of the finest and most beautiful roses of its color ever introduced.

PRINCESS SAGAN.

Bright crimson, shaded scarlet.

QUEEN'S SCARLET.

Color rich, velvety scarlet, very brilliant and striking.

RAINBOW.

Color a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson.

SOUVENIR D'ESPAGNE.

Color coppery yellow and rose beautifully blended. Each, 15c.

SOUVENIR DE LA MALMAISON.

Rich, creamy flesh, changing to a lovely fawn.

SENATEUR LOUBET.

Outer petals light rose color, center clear yellow, heightened to crimson.

SAPPHO.

Buds fawn color, shaded with rose, the opening flowers shaded with yellow and tawny buff.

SAFRANO.

Bright apricot yellow, tinged orange and fawn.

SOMBRIEL.

Finely formed flowers of a beautiful white, tinged with delicate rose.

SOUVENIR DE VICTOR HUGO.

Lovely citron red with beautiful amber and fawn shadings.

SUNSET.

Rich, golden amber, or old gold; extra large, full, finely formed and deliciously perfumed. Each, 15c.

THE BRIDE.

The finest white rose ever offered.

THE QUEEN.

Pure snow white; makes finely formed buds and is equally beautiful in open flower. Each, 15c.

TRIUMPHE DE PERNET PERE.

Color, a fine, clear, magenta red, passing to bright crimson.

VISCOUNTESS FOLKSTONE.

Delicately tinted flesh, almost white, with beautiful satin finish. Each, 15c.

WHITE LA FRANCE.

Beautiful pearly white, sometimes tinted with fawn.

EVER-BLOOMING CLIMBING ROSES.

Price, 10c. each, except where noted. 2-year-old plants, 30c. each.

CLAIRE CARNOT.

Buff or orange yellow with peach-blossom center.

CLIMBING LA FRANCE.

Identical with the well-known La France, except that it has a vigorous climbing habit. Each, 15c.

CLIMBING PERLE DES JARDINES.

Flowers golden yellow, of immense size. Each, 15c.

ELIE BEAUVILAIN.

Fine silvery rose, tinted coppery yellow.

EMPRESS OF CHINA.

Of rapid growth, bearing handsome, semi-double pink flowers.

GOLDEN CHAIN, OR CLIMBING SAFRANO.

Color orange yellow, or deep saffron, good size, full and sweet.

LA MARQUE.

Pure white; one of the best-known varieties.

MADAME ALFRED CARRIERE.

Rich creamy white, faintly tinged pale yellow.

MARECHAL NIEL.

A magnificent deep, golden yellow variety, so famous as to need no description.

MARY WASHINGTON.

Flowers pure white.

MADAME CLAIRE JAUBERT.

Apricot yellow, beautifully colored with Indian red.

REINE MARIE HENRIETTE.

Glowing crimson, elegantly shaded; one of the best climbers.

WILLIAM A. RICHARDSON.

Color rich coppery yellow, flushed with carmine.

WALTHAM QUEEN.

Magnificent rich, red flowers.

HYBRID PERPETUAL ROSES.

Price, 10c. each, except where noted. 2-year-old plants, 30c. each.

BARON DE BONSTETTIN.

Rich, dark red, passing to deep, velvety maroon.

BARONESS ROTHSCHILD.

Bright, rosy pink; very handsome; 2-year-old plants only. Each, 35c.

CAPTAIN CHRISTY.

Lovely shade of pale peach. Each, 15c.

COQUETTE DES BLANCHES.

(Ball of Snow.) Pure, snowy white.

DINSMORE.

Dazzling scarlet crimson.

FISHER HOLMES.

Dark, rich scarlet, elegantly shaded with deep velvety crimson. Each, 15c.

FRANCOIS LEVET.

China pink, delicately shaded carmine.

GIANT OF BATTLES.

One of the very best red roses.

GLOIRE DE MARGOTTEN.

Brilliant scarlet; beautiful long-pointed buds, opening into a large globular flower.

GENERAL JACQUEMINOT.

Bright, shining crimson, very rich and velvety.

JEAN LIABAUD.

Intense dark, rich velvety crimson.

LOUIS VAN HOUTTE.

Beautiful maroon; very sweet.

LA RIENE.

A beautiful, clear, bright pink.

MARCHIONESS OF LORNE.

Rose color, slightly shaded in the center with vivid carmine. Each, 15c.

MABEL MORRISON.

Of the purest white, and almost velvety in its finish; 2-year-old plants only. Each, 35c.

MADAME GABRIEL LUIZET.

Clear coral pink, beautifully suffused with lavender and pearl. Each, 15c.

MAGNA CHARTA.

Pink, suffused with carmine.

MRS. JOHN LAING.

Soft, delicate pink with a satiny tinge.

PAUL NEYRON.

Deep, shining rose; the largest variety in existence.

PRINCE CAMILLE DE ROHAN.

Very dark, rich, velvety crimson, passing to intense maroon, shaded black.

ULRICH BRUNNER.

Extra large, bold flowers, full and globular; color rich, glowing crimson, elegantly flamed with scarlet. Each, 15c.

VICTOR VERDIER.

Brilliant rosy carmine, beautifully edged with purple.

ELDORADO COLLECTION OF NEW CARNATIONS.

Price 15c. each; four for 50c.; set of ten for \$1.

ALASKA.

One of the finest of white carnations.

DR. SMART.

Cream white, margined with bright crimson.

ELDORADO.

Golden yellow, of largest size, beautifully edged with narrow band of pink.

DELLA FOX.

Delicate shell pink; one of the most beautiful.

IVORY.

Beautiful white variety, very long stems and large flowers.

JUBILEE.

Richest shade of intense scarlet ever seen in a carnation.

MADAME ALBERTINA.

Light flesh and pink; strong clove fragrance.

METEOR.

Magnificent crimson maroon variety, free flowering.

PRINCESS BONNIE.

Light pink, prettily marked and splashed with darker shade. Fine fancy sort.

VICTOR.

Bright rose pink, very large and handsome.

CARNATIONS.

STANDARD VARIETIES.

Price, 10c. each; fourteen for \$1.00.

AMERICAN FLAG.

Vivid scarlet and purest white, variegated.

ANNA WEBB.

Brilliant crimson, shaded with richest maroon.

DAYBREAK.

A very pure, bright shade of flesh-pink, in a large, full-fringed flower.

GOLDEN GATE.

Pure golden yellow, beautifully fringed.

J. J. HARRISON.

Pearly white, delicately edged and striped pink.

LIZZIE McGOWAN.

Flowers very large, pure white, beautifully fringed.

MRS. CLEVELAND.

Salmon pink; extra large.

TIDAL WAVE.

A very attractive shade of carmine.

PORTIA.

Intense bright scarlet.

PRESIDENT GARFIELD.

A fine scarlet variety.

SILVER SPRAY.

Pure white; very free flowering.

GOLDFINCH.

Lemon yellow, with a clear line of carmine defining the fringe of the petals.

LIZZIE GILBERT.

Rich scarlet; flowers large and deeply fringed.

NELLIE LEWIS.

Color a beautiful flesh, flaked and splashed with dark pink.

ROSE QUEEN.

Beautiful, delicate shade of pink.

STORM KING.

A magnificent white carnation.

WILLIAM SCOTT.

Delicate, rosy pink; one of the best.

GORGEOUS COLLECTION OF JAPANESE CHRYSAN- THEMUMS.

Price 10c. each; set of fifteen for \$1.00.

COLONEL W. D. SMITH.

Beautiful incurved flowers, forming a mass of rich golden bronze color.

CHARLES DAVIS.

Rich tawny yellow and golden bronze; very large reflexed petals.

GORGEOUS.

Deep golden yellow of the richest hue, of immense size.

GEORGE W. CHILDS.

Of immense size, and of the richest, deep, velvety crimson.

IVORY.

Snowy white, of perfect incurved form, very large.

J. E. LAGER.

Very early yellow reflexed Japanese, of good size.

JOHN SHRIMPTON.

Velvety crimson.

MADAME BERGMAN.

Early white, coming into bloom the first week in October.

MRS. E. G. HILL.

Color a pleasing shade of lavender pink.

MARION HENDERSON.

A handsome yellow variety of pure tint.

MAJOR BONAFFON.

Soft, clear primrose yellow.

MRS. HENRY ROBINSON.

Immense globe-shaped pure white flowers.

NIVEUS.

Snow white; center incurving, with outer petals reflexed nearly to the stem.

PRESIDENT W. R. SMITH.

Color flesh pink; fine for cut flowers.

VIVIAN MOREL.

Petals straight and loosely arranged; a beautiful light shade of pink.

GERANIUMS.

Price, 10c. each; any fourteen for \$1.00.

SINGLE-FLOWERED VARIETIES.

AFTERGLOW.

Light salmon, blended with darker shades

BANQUISE.

Trusses enormous, on very long stems; pure white throughout the season.

GLORIE POTEVINE.

Brilliant red, shaded orange, with white eye.

JAMES KELWAY.

A most beautiful crimson scarlet, of fine size.

MRS. E. G. HILL.

Color, clear salmon, with a white center

MONSIEUR P. OLOMBEL.

Rich vermilion scarlet, shaded orange.

M. V. NOULES.

Clear white, with scarlet border.

MRS. J. M. GARR.

A beautiful white variety.

SAM SLOAN.

An extra fine velvety crimson.

SOLIEL COCHANT.

Large flowers of a yellow scarlet color.

SOUVENIR DE MIRANDI.

Upper petals creamy white, with a distinct rosy pink border; lower petals salmon rose, streaked with clear lilac.

TROPHEE.

Soft rosy flesh, tinted with dark lilac.

DOUBLE-FLOWERED VARIETIES.

A. FLEUROT.

Dark garnet, with orange red marking.

BONNAT.

Fiery pink, very large and fine.

BEAUTE POITEVINE.

Very large semi-double flowers, of a brilliant salmon color.

ERUANT.

Color bright vermilion red of the most pleasing shade. Six inches in diameter.

CONTRASTE.

Lower petals orange and carmine; upper petals clear orange.

LA FAVORITE.

Snow white.

LE PROPHETE.

One of the finest double scarlet geraniums known.

MADAME CH. DABOUCHE.

Bright rose, shading to apple-bloom pink.

MARY HILL.

The finest pure pink.

S. A. NUTT.

Rich, dark crimson.

MADAME HOSTE.

Flesh color, shaded with white.

FUCHSIAS.

Price, 10c. each, except where noted.

DOUBLE VARIETIES.

ESMERALDA.

Tubes and sepals bright red; corolla beautiful lilac color, changing to clear rose.

PHENOMENAL.

The largest fuchsia that grows. Tube and sepals bright coral red; corolla rich violet purple.

STORM KING.

Very graceful habit; bears double, white flowers.

WHITE GIANT.

Tube and sepals bright scarlet; corolla large, double and waxy white. Each, 15c.

SINGLE VARIETIES.

ARABELLA IMPROVED.

Tube and sepals pure white; corolla rose color.

EARL OF BEACONSFIELD.

Tube and sepals rosy carmine; corolla carmine.

GENERAL ROBERTS.

Corolla rich plum color; tube and sepals crimson.

MONSIEUR THIBAUT.

Sepals dark red; corolla rose vermilion.

TRAILING QUEEN.

Tubes and sepals scarlet; corolla violet purple. Each, 15c.

BEGONIAS.

Price, 10c. each, except where noted.

ARGENTEA GUTATTA.

Wine-colored leaves, oblong in shape, with silvery spots; white flowers on the tips of the stems.

BERTHA DE CHATEAUCROCHER.

Glossy green leaves and bright red flowers.

COMPTA.

Pink footstalks and satiny green leaves, with a silvery tinge along the mid-ribs. Price, 15c.

DIADEMA.

The leaf is large and deeply lobed, giving it a very tropical appearance. Color a rich olive green, handsomely spotted with white.

INCARNATA.

A vigorous growing variety; large panicles of pink flowers.

METALLICA.

Dark, rough leaves; surface lustrous bronze green; veins depressed and dark red in color; panicles of unopened flowers are bright red.

PRESIDENT CARNOT.

Foliage large; upper side deep green, under side purple; flowers coral red. Price, each, 15c.

RUERA.

Beautiful waxy green leaves and large panicles of coral red flowers.

SEMPERFLORENS GIGANTEA ROSEA.

Leaves glossy green; flowers clear cardinal red. Price, each, 15c.

THURSTONII.

Rich metallic green above, bright red beneath; flowers bright pink. Price, each, 15c.

REX BEGONIAS.

Grown for the beauty of their foliage. We offer 20 of the most distinct and handsomely marked varieties, including Count Louis Erdody, and many other fine new sorts. Each, 15c; 4 for 50c.

HELIOTROPES.

Price, 10c. each.

ALBERT DELEAU.

Golden yellow foliage; lavender-colored flowers.

LE GLAIN.

Light blue, white eye.

QUEEN OF VIOLETS.

Deep violet purple, with white eye.

WHITE LADY.

Flowers large, of the purest white.

NEW DAHLIAS.

Price, 15c. each; 4 for 50c.

A. D. LIVONI.

Soft shell pink; a beautiful shade.

EMPRESS OF INDIA.

Rich crimson, shaded with maroon.

FRANK SMITH.

Deep blood red; large size.

HERCULES.

Golden yellow, striped and splashed dark red.

GILDED GOLD.

Deep golden yellow; very fine.

HECTOR.

Orange scarlet; fine.

IVORY.

White flowers on stout stems.

MISS DODD.

Lemon yellow, of perfect form.

NYMPHAE.

Light shrimp pink, shaded darker.

SAMBO.

Rich crimson maroon, shaded black.

MISCELLANEOUS PLANTS.

ALOYSIA CITRIODORA (Lemon Verbena).

Noted for its delightful fragrance of foliage. Price, each, 10c.

ASPARAGUS TENUISSIMUS.

A climber of extreme value. Its lovely foliage has been described as "so much emerald mist." Price, each, 15c.

CALLA ETHIOPIA.

The Lily of the Nile. Each, 10c to 25c.

COLEUS.

Grand bedding plants, having beautifully colored foliage of all shades and hues. Each, 10c; 7 distinct sorts, 50c.

CYPERUS ALTERNIFOLIUS (Umbrella Plant).

Rush-like stems, with long, narrow leaves radiating from the summit in umbrella form. Each, 10c.

GREVILLEA ROBUSTA (The Silk Oak).

A magnificent plant for decorative purposes, of rapid, easy growth. Each, 15c and 25c.

IMPATIENS SULTANI.

Flowers single, of the richest carmine magenta color. Price, each, 10c.

MARGUERITES (Paris Daisies).

Two sorts, yellow and white. Price, each, 10c.

MANETTIA. BI-COLOR.

A beautiful free-growing vine, with small flowers of a rich, fiery scarlet, shading off into a bright yellow. Price, each, 10c.

MEXICAN PRIMROSE.

Free-flowering plant of low, spreading growth. Flowers about two inches in diameter, of a clear pink color, veined with scarlet, and with a white center. Price, each, 10c.

PANSIES.

A fine strain of these favorite flowers. Each, 5c; per dozen, 50c.

PELARGONIUMS.

Lady Washington Geraniums, 20 fine sorts. Each, 20c; 3 for 50c.

VERBENAS.

Mammoth flowering varieties. Each, 10c; 7 for 50c.

SALVIA SPLENDENS.

Among the finest summer-blooming plants, bearing long spikes of scarlet flowers. Price, each, 10c.

HARDY PLANTS.**DOUBLE ENGLISH PRIMROSE.**

Pretty, low-growing, hardy plants, bearing large beautiful white flowers singly, on stout stems. Each, 15c.

JAPANESE ANEMONES.

One of the finest hardy herbaceous plants. They commence to open their handsome single flowers in August, and continue to increase in beauty until cut by frost. Two sorts, pink and white. Price, each, 15c; two sorts, 25c.

COREOPSIS, LANCEOLATA.

Bearing profusely large, golden-yellow flowers on long stems. Price, each, 10c.

GAILLARDIA, GRANDIFLORA.

Large flowers, having a red-brown center and petals marked with rings of crimson, orange, vermilion, etc. Price, each, 15c.

HELIANTHUS, MULTIFLORUS PLENUS.

Flowers four inches in diameter, as double as any dahlia, and cover the plant from the ground to the top. Color bright golden yellow. Each, 10c.

MYOSOTIS, PALUSTRIS (Forget-Me-Not).

A hardy spring-blooming plant, bearing lovely light-blue flowers. Price, each, 10c.

PAEONIES.

Twelve distinct varieties, embracing all shades of white, pink, crimson, etc. Strong plants. Price, 30c each; 3 for 75c.

BLUE SPIREA.

This very valuable autumn-blooming plant is a native of China. Its color is of azure blue, and flowers luxuriantly in a pot or in the open ground. Price, each, 15c.

VIOLETS.

Double blue, double white, Alaska and New California. Each, 10c; the 4 for 30c.

HARDY FLOWERING SHRUBS.

Shrubs must go by express, being too large to mail.

BERBERRY, THUNBERGII.

Yellow flowers, followed by crimson berries, remaining on the branches all winter. Each, 30c.

CALYCANTHUS, FLORIDUS.

The well-known sweet-scented shrub, bearing a profusion of fragrant purple flowers. Each, 30c.

DEUTZIA, CRENATA FL. PL.

Flowers double; white, tinged rose on outside of petals. Each, 30c.

HYDRANGEA, PANICULATA GRANDIFLORA.

The finest hardy shrub in cultivation. Blooms in July. The flowers are pure white, afterwards changing to pink. One-year-old plants, 15c; 2-year-old, 30c.

HYPERICUM, MOSERIANUM.

Beautiful dwarf growing shrub, bearing great numbers of pretty yellow flowers in June. Each, 20c.

LILAC, PURPLE.

Immense heads of beautiful purple flowers; very sweet. Each, 30c.

LILAC, WHITE.

Beautiful pure white flowers. Each, 30c.

SPIREA, KUMALDA.

A handsome new Japanese variety of dwarf, compact habit, covered during the summer and fall with a mass of bright rose-colored flowers; fine and distinct. Each, 30c.

VAN HOUTTE.

Covered in June with a mass of large white flowers, making a beautiful appearance. Each, 30c.

VIBURNUM, OPLULUS.

The well-known Snowball, with globular clusters of white flowers. Each, 30c.

WIEGELIA, CANDIDA.

Beautiful white flowers; a continuous bloomer. Each, 30c.

HARDY CLIMBING PLANTS.**AMPHELOPSIS, VEITCHII.**

Boston Ivy. Fine climber. Each, 20c.

AMPHELOPSIS, QUINQUIFOLIA.

Virginia Creeper. Three-year-old plants, each, 30c.

CLEMATIS.

Bearing large and beautiful flowers, of various shades of color. Four sorts, single purple, single light blue, single white, double white. Strong plants. Each, 75c.

CLEMATIS PANICULATA.

A vine of very rapid growth. The flowers are of medium size, pure white, of a most delicious fragrance. These flowers appear in September, at a season when very few other vines are in bloom. Price, 15c each; extra strong 2-year-old plants, 30c.

HONEYSUCKLES.

Three best sorts. Each, 30c.

IVY, ENGLISH.

Thick, leathery, evergreen leaves; a very desirable climber. Price, each, 10c and 30c.

WISTERIAS, CHINESE BLUE.

Immense clusters of blue flowers in the spring. Price, each, 35c.

CHINESE WHITE.

Like the preceding, but having pure white flowers. Price, each, 50c.

THE SWEET SIXTEEN COLLECTIONS.

\$1.00 each.

No. 5—Sixteen Ever-Blooming Roses.

Adapted for planting in the open ground; all are continuous bloomers, quite distinct from each other, and each a gem in its way.

No. 6—Eight Double and Eight Single-Flowered Geraniums.**No. 7—Sixteen Choice Chrysanthemums.**

All forms and shapes, as well as every conceivable shade of color are represented in this collection.

No. 8—Sixteen Ever-Blooming Carnations.

All fine sorts, beautifully fringed and possessing the delightful clove fragrance.

No. 9—Eighteen Fine Coleus.

Will make a beautiful bed.

No. 10—Eight Fine Dahlias.**No. 11—Eight Pelargoniums.**

Choice regal and show varieties.

No. 12—Sixteen Fuchsias.

Double and single-flowered varieties.

Special Collections of Roses.

GOLDEN CHAIN COLLECTION OF CLIMBERS.

Seven for 50c., postpaid.

- Golden Chain, or Climbing Safrano.
 La Marque. Claire Carnot.
 Elie Beauvillair. Reine Marie Henriette.
 Empress of China. Mad. Alfred Carriere.

BALL OF SNOW COLLECTION.

Seven Hybrid Perpetual Roses, 60c. postpaid.
 For description see general list.

- Ball of Snow. Marchioness of Lorne.
 Baron de Bonstetton. Mrs. Jno. Laing.
 Giant of Battles. Ulrich Brunner.
 General Jacqueminot.

QUEEN COLLECTION.

Fourteen choice roses for \$1.10, postpaid.

- General Robert E. Lee. The Queen.
 Papa Gontier. Mad. Kruger.
 Safrano. Duch. de Brabant.
 Marie Van Houtte. H. M. Stanley.
 Bougre. Mad. Caroline Testout.
 J. B. Varrone. Mad. Phil. Cochet.
 Rainbow. White La France.

ALL PRICES on Vegetable and Flower Seeds in packets, ounces, quarter pounds and single pounds INCLUDE POSTAGE. If your remittance is for more than the amount of your purchase, we return the balance due you in cash.

Fruit and Ornamental Trees, Shrubs, Vines, Etc.

We have no old or second-quality goods to work off in job lots. Our Fruit Trees are grown on whole roots and are in perfect condition.

TERMS CASH—Orders for 5 trees at 10 rates; orders for 50 trees at 100 rates.

We can furnish large Fruit Trees, 3 to 5 years old, at 25 to 50 cents each.

APPLES.

	Each.	Per 10.	Per 100.	Per M.
One year	10c	90c	\$7.00	\$30.00
Two years	15c	1.00	9.00	80.00

SUMMER.

- Early Harvest.**
 Medium size, pale yellow.
Red Astrachan.
 Large, red, acid.
Golden Sweet.
 Pale yellow, very sweet.
Red June.
 Medium, deep red, early bearer.

AUTUMN.

- Duchess of Oldenberg.**
 Streaked red and yellow.
Fall Pippin.
 Very large, yellow.
Gloria Mundi.
 Very large, greenish yellow.
Gravenstein.
 Large, striped, juicy and high flavored
King of Tompkins County.
 Large, red, sub-acid.
Rambo.
 Medium, yellow, streaked with red.
Twenty-Ounce.
 Large, yellow, striped with red.
Red Bletzheimer.
 Very large, red, sub-acid.
Waxen.
 Pale yellow, quite acid.

WINTER.

- Ben Davis.**
 A large, handsome, striped apple.
Baldwin.
 Large, bright red, sub-acid.
Bismarck.
 Large, red; 25c each.
Blue Pearmain.
 Very large, dark purplish red.
 Shaded red on yellow ground.
Esopus Spitzenberg.
 Large, light red, sub-acid.
English Russet.
 Medium size, dull russet.
Lady Apple.
 Yellow, with bright red cheek.
Jonathan.
 Red and green; one of the best.
Lawyer.
 Large, brilliant red; a great keeper.
Northern Spv.
 Roundish, striped with red.
Red-Cheek Pippin.
 Large, red cheek, on yellow ground.

- Rox Russet.**
 Medium to large, greenish russet.
Rhode Island Greening.
 Large, greenish yellow.
Winesap.
 Dark red, flesh yellow.
Wolf River.
 Red, exceedingly fine quality.
Y. N. Pippin.
 Large, yellow; good keeper.
Yellow Belleflower.
 Large, pale yellow; good keeper.

CRAB APPLES.

	Each.	Per 10.	Per 100.
One year	10c	90c	\$8.00
Two years	15c	\$1.25	\$10.00

Hyslop.
 Deep crimson, very popular, large size.
Siberian.
 Large and of a beautiful golden yellow.
Transcendent.
 A beautiful variety of the Siberian.

QUINCES.

25c each, or 5 for \$1.

- Apple or Orange.**
 Large, roundish, bright golden yellow; cooks tender, and is of excellent flavor; very productive, and most popular variety known.

PEARS.

SUMMER.

	Each.	Per 10.	Per 100.
One year, 3 to 4 feet	10c	85c	\$7.00
Two years, 4 to 6 feet	15c	\$1.25	\$10.00

Bartlett.
 Large, juicy, high flavored.
Clapp's Favorite.
 Large; resembles the Bartlett.
Japan Golden Russet.
 Similar to Winter Nellis, but larger; of a dull russet color, as indicated by its name; a desirable addition to any orchard.
Lawson.
 Large, crimson, on yellow ground.
Le Conte.
 Seedling of the Chinese sand pear; large, skin smooth, pale yellow; very vigorous and productive.
Madeline.
 Medium size, juicy and sweet, very early.

AUTUMN.

- Beurre de Clairgean.**
 Very large, yellow, shaded red.
Beurre d'Anjou.
 A large, yellow pear, with red cheek.
Fall Butter.
 A round pear, yellow, juicy and good.
Louise B. de Jersey.
 Greenish yellow, with bright red cheek.
Seckel.
 Small, rich yellowish brown.

WINTER.

- Easter Beurre.**
 Large, pale yellow, dull red cheek.

Kieffer's Hybrid.

Fruit of fine size, rich color and good quality, brings high prices in competition with others; tree very vigorous and a great grower.

Lincoln's Coreless.

Large; green until thoroughly ripe, when it changes to a yellowish green; flesh rich yellow, juicy, and of a delicate aromatic flavor; no seeds and no core.

Pound.

Monstrous and very showy, yellow, red cheek.

Vickar.

Large, pale yellow, with good, sprightly flavor.

Winter Nellis.

Medium size, dull russet.

PEACHES.

	Each.	Per 10.	Per 100.
One year, 3 to 4 feet	15c	\$1.25	\$10.00

Alexander.

The best very early freestone.

Early Crawford.

A fine, large, yellow peach.

Late Crawford.

Similar to Early Crawford, but fruits later.

Hale's Early.

Medium size; greenish white, with red cheek; flesh white, melting, juicy and sweet; tree healthy and productive.

Foster.

Large, yellow, early.

APRICOTS.

	Each.	Per 10.	Per 100.
One year, 3 to 4 feet	15c	\$1.00	\$9.00

Moorpark.

One of the largest, most popular and widely disseminated apricots; flesh firm and parts freely from stone; juicy and rich in flavor.

Breda.

Small, round, dull orange, red in the sun.

Russian.

An extremely hardy variety; large, sweet and very productive.

CHERRIES.

	Each.	Per 10.	Per 100.
One year, 3 to 5 feet	10c	\$1.00	\$9.00
Two years	15c	1.25	11.00

Bing (New).

Originated in Oregon; fruit large, dark brown or black; flesh very firm; one of the best shipping cherries known.

Black Tartarian.

Large; bright purplish black; flesh purplish; thick, juicy, rich and delicious.

Black Republican.

An old and well-known variety.

Governor Wood.

Large, light yellow, shaded with red.

Kenish.

Medium size, dark red, juicy, sprightly flavor. It is safe to say that this is the best acid cherry for cooking and canning. Tree a slender grower, but very hardy, and bears a good crop every year. The fruit commands the top price in market, and there is never enough to supply the demand.

Late Duke.

Large, light red; a tart cherry.

May Duke.

Large, red, juicy and rich.

Royal Anne.

A magnificent late cherry of the largest size, pale yellow, with bright red cheek.

Cherry Specials.

	Each.	Per 10.
One year, 3 to 5 feet	25c	\$2.00
Two year, 5 to 7 feet	40c	3.50

Hoskins.

Another Oregon cherry, large in size, dark brown in color, very rich and juicy; a new variety well worth trying.

Lambert (or Pride of Oregon).

A cherry of great merit; large, dark, tender and high flavored. No cherry has been more called for the past two years, and we are pleased to say we have a good stock, from which we will fill orders in order received as long as the stock holds out.

PLUMS.

	Each.	Per 10.	Per 100.
One year, 4 to 6 feet.....	15c	\$1.00	\$9.00
Two years, 5 to 7 feet	20c	1.50	10.00

Bradshaw.

Very large, dark violet red.

Blue Damson.

Small, roundish, oval, dark purple.

Columbia.

Very large, round, brownish purple.

Green Gage.

Small, but of highest excellence; round, greenish yellow, with brown dots; very juicy and sweet.

Peach Plum.

Very large, roundish, brownish red, juicy, pleasant and sprightly flavor.

Reine Claude.

Large, greenish yellow, spotted with red.

Yellow Egg.

A large and beautiful egg-shaped yellow plum.

Coe's Golden Drop.

Large, yellow, sweet.

PRUNES.

	Each.	Per 10.	Per 100.
One year, 4 to 6 feet	10c	75c	\$8.00
Two years, 5 to 7 feet	15c	\$1.00	8.00

Golden.

Light golden color, exquisite flavor, and an extra good dryer.

Hungarian (Grosse Prune, Pond's Seedling).

Very large, dark red, juicy and sweet.

Italian.

Medium size, oval, dark purple.

Petite.

Medium size, reddish purple, juicy and sweet.

Silver.

Said to be a seedling from Coe's Golden Drop, which it resembles.

Prune Specials.

	Each.	Per 10.	Per 100.
One year	25c	\$2.00	
Two years	40c		3.00

Pacific.

Originated in Oregon; tree hardy and a good producer; fruit freestone, very large and handsome; flavor the finest, rich and sugary; a first-class shipper and dryer.

CURRANTS.

	Each.	Per 10.	Per 100.
Two years	5c	40c	\$4.00

Black Naples.

Very large, black, rich and tender.

Cherry.

Very large, deep red, plants erect.

Fay's Prolific.

A cross between Cherry and Victoria; large size.

Victoria.

Berries medium size, brilliant red and of highest quality.

White Grape.

Very large, yellowish white.

GOOSEBERRIES.

	Each.	Per 10.	Per 100.
Two years	5c	40c	\$4.00

Corliss.

Large, greenish yellow; a good, healthy grower, and very productive.

Industry.

Said to be the best English gooseberry yet introduced; berries large, dark red, hairy, rich and agreeable; a great cropper.

Oregon Champion.

A new variety; fruit large and round; an immense bearer, and free from mildew.

RASPBERRIES.

	Each.	Per 10.	Per 100.
Price	5c	40c	\$4.00

Cuthbert (Queen of the Market).

The largest, handsomest and best red raspberry grown.

Red Antwerp.

Large, dark red, with large grain, covered with a thick bloom.

BLACKBERRIES.

	Each.	Per 10.	Per 100.
Price	5c	40c	\$3.00

Early Harvest.

Exceedingly early and always reliable.

Kittatinny.

Large, black, sweet and soft clear through when ripe.

Lawton.

Fruit large; ripens late; very productive.

GRAPES.

	Each.	Per 10.	Per 100.
Price	15c	\$1.00	\$3.00

Concord.

A large, handsome grape, globular and almost black.

Delaware.

Small, red, very spicy and sweet.

- Eaton.**
Blue-black.
- Iona.**
Medium size, red; fine keeper.
- Isabella.**
An old favorite; fruit large, oval, black, sweet and musky; a good keeper.
- Moore's Diamond.**
Yellowish white, medium size.
- Niagara.**
A light-colored grape; very hardy, and a good producer.

SEEDLINGS.

	1st Grade.	2d Grade.	3d Grade.
Pear, per M.	\$7.50	\$4.00	\$2.50
Cherry, per M.	6.00	3.75	2.25
Apple, per M.	5.00	2.00	1.50

STRAWBERRIES.

	Per 10.	Per 100.	Per M.
Price	.25c	50c	\$3.50

Price for 10 includes postage. One hundred or more are sent at buyer's expense.

- Clark's Seedling.**
The great Hood River shipping berry.
 - Triumph.**
A large, red berry, irregular in shape.
 - Wilson.**
An old favorite; one of the best for the table or for canning.
- | | Per 10. | Per 100. | Per M. |
|-------|---------|----------|--------|
| Price | .30c | 75c | \$4.50 |
- Magoon.**
This superb berry is another product of the celebrated Mount Tabor district, and is undoubtedly superior to any berry known. The vines are large, with strong roots, and will produce a crop under circumstances that would damage or destroy almost any other vine. In addition to this valuable trait, the berry itself is everything that can be desired—large, smooth, firm in flesh, and of a bright, rich red. Indeed, it is an ideal berry.

SHADE AND ORNAMENTAL TREES.

- Arbor Vitae.** \$1.00 to \$2.50.
- Box, Single Plants, Trimmed.** 50c to \$1.00.
- Box, Small, for Hedge, per 100.** \$6.00.
- Bamboo, Chinese.** 50c to \$1.50.
- Beech.**
 - Blood Leaf75c to \$1.50
 - Fern Leaf75c to \$1.00
- Birch.**
 - Purple Leaf\$1.00 to \$1.50
 - Weeping Cut Leaf75c to \$1.00
- California Big Tree.** \$1.00 to \$1.50.
- Camperdown Weeping Elm.**
 - Each\$1.50
- Catalpa.**
 - 10 to 12 feet, each50c to \$1.00
- Cedar.**
 - and Lebani\$1.00 to \$2.00
- Chestnuts.**
 - American, 4 to 8 feet, each50c to 75c
 - Italian, 4 to 8 feet, each50c
- Cryptomeria Elegans.** 50c to \$2.00.
- Cypress.**
 - Italian\$1.00 to \$2.00
 - Lawson, each\$1.00 to \$3.00
- Elm.**
 - American, 12 to 18 feet, each50c to 75c
 - Cork, 10 to 16 feet, each50c to 75c
 - Red, 10 to 16 feet, each50c to 75c
 - White, 10 to 16 feet, each50c to 75c
- Holly.** \$1.00 to \$2.00.
- Horse Chestnuts.**
 - Red Flowering, 5 to 9 feet, each\$1.00 to \$1.50
 - White, 5 to 10 feet, each75c to \$1.00
- Juniper.** \$1.00 to \$2.00.
- Kilmarnock Weeping Willow.**
 - Each\$1.50
- Laburnum.**
 - 6 feet, each50c to \$1.00
- Larch.** \$1.00 to \$2.00.
- Laurel, English.** 50c to \$1.50.
- Linden.**
 - American or European, 10 to 18 feet, each50c
- Loenst.**
 - 6 to 8 feet, each50c to 75c

- Maple.**
 - Sycamore, 12 to 18 feet, each50c to 75c
 - Silver Leaf, 10 to 16 feet, each50c to 75c
 - Red, 10 to 16 feet, each50c to 75c
 - Sugar, 10 to 16 feet, each50c to 75c
 - Purple, each50c to \$1.00
 - Oregon, each50c to 75c
 - Variegated, each\$1.00 to \$2.00
 - Japanese\$1.00 to \$3.00
- Mountain Ash.**
 - 6 to 10 feet, each50c to 75c
- Mulberry.**
 - Russian, each50c to 75c
 - Downing, each50c to 75c
- Norway Spruce.** \$1.00 to \$2.00.
- Oak.**
 - Red75c to \$1.00
- Poplar.**
 - Lombardy, 12 to 18 feet, each50c to 75c
 - Carolina, 12 to 18 feet, each50c to 75c
- Privet.**
 - 1 year, per 100, \$3.00; 2 years, per 100\$4.00
- Sycamore.**
 - 10 to 14 feet, each50c to 75c
- Tulip.**
 - 6 to 8 feet, each50c to 75c
- Walnut.**
 - English, 10 to 14 feet, each50c to 75c
 - Black, 10 to 14 feet, each50c to 75c
- White Birch.**
 - 6 to 10 feet, each50c to 75c
- Yew, Irish.** \$1.00 to \$2.00.

ORNAMENTAL AND FLOWER-ING SHRUBS.

- Altheas.**
 - One of the most showy and beautiful flowering shrubs. They are of the easiest cultivation, growing erect and flowering profusely.
- Alba Plena.** A beautiful double white variety. 30c to 50c.
- Rosen Plena.** Large, perfectly double, rose-colored flowers. 30c to 50c.
- Azalea, Mollis.**
 - The blossoms vary in color from intense crimson to lemon yellow. 50c to \$1.00.
- Berberry, Thunbergii.**
 - A new Japanese shrub, bearing pretty yellow flowers, followed by crimson berries, remaining on the branches all winter. 30c to 50c.
- Calycanthus, Floridus.**
 - The well-known sweet-scented shrub, bearing a profusion of fragrant purple flowers. 50c to 75c.
- Deutzia, Crenata Fl. Pl.**
 - Flowers double; white, tinged rose on outside of petals. 30c to 50c.
- Candissimus.**
 - A fine variety, producing an abundance of pure white, double flowers. 30c to 50c.
- Graellis.**
 - A very desirable dwarf variety; beautiful pure white bell-shaped flowers. 30c to 50c.
- Elaeagnus, Longpipes.**
 - A beautiful fruitbearing ornamental shrub from Japan. Yellow flowers appear in June, on long stems, but its greatest value is in the fruit, which ripens in August; oval in shape and deep orange in color. 40c to 50c.
- Hydrangea, Red Branched.**
 - A grand variety, producing flowers in immense trusses; color, deep rose or cherry. 50c to 75c.
- Hydrangea, Paniculata Grandiflora.**
 - The finest hardy shrub in cultivation. It grows three or four feet high. Blooms in July. The flowers are pure white, afterward changing to pink. To secure the finest flowers, prune severely early in the spring. 50c to 75c.
- Hypericum, Moserianum.**
 - It is marvelously free-flowering, of large size, measuring from two to two and one-half inches in diameter; in color a rich golden yellow. It is perfectly hardy, forming a bush about three feet high. 25c to 50c.
- Lilac, Purple.**
 - Immense heads of beautiful purple flowers; very sweet. 50c to \$1.00.
- Lilac, White.**
 - Beautiful pure white flowers. 50c to \$1.00.
- Japanese Magnolias.**
 - Rare and choice small trees. Their elegant habit and foliage alone would render them indispensable, but the flowers, their crowning beauty, are unequaled, in size and showy effect, among hardy trees and shrubs. \$1.00 to \$1.50.
- Philadelphus, Aurea.**
 - A shrub of medium size, with golden yellow foliage and fragrant white flowers. 50c to 75c.
- Flora Plena.**
 - A dwarf variety, with double, cream-colored flowers. 50c to 75c.
- Spiraea.**
 - Covered during the summer and fall with a mass of bright flowers. 50c to 75c.

Viburnum. Opulus.
The well-known Snowball, with globular clusters of white flowers. 50c to \$1.00.

Plicatum (Japanese). \$1.00 to \$2.00.

Weigelia. Candida.
Beautiful white flowers; a continuous bloomer. 50c to 75c.

Rosa.
A fine shrub, bearing rose-colored flowers in May and June. 50c to 75c.

Paeonies.
White, pink, crimson, etc. 25c; add postage, 15c.

Perennial Poppies. Royal Scarlet (Oriental Poppy).
The flowers appear in early summer, are six and eight inches across, and of a rich orange-scarlet color, with a black blotch at the base of each petal. 15c, postpaid.

Nudicaule (Iceland Poppy).
Hardy plants, bearing cup-shaped flowers in shades of white, yellow and scarlet. 15c, postpaid.

HARDY CLIMBING PLANTS.

Ampelopsis Veitchii (Boston Ivy).
The leaves resemble in shape the English ivy, of a bright green color, changing in the fall to the most vivid autumn tints—gold, purple and scarlet. It clings tenaciously to wood, brick and stone alike. 50c to 75c.

Virginica (Virginia Creeper). 35c to 75c.

Clematis.
Bearing large and beautiful flowers, of various shades of color. Strong plants, each 75c to \$2.00.

Duchess of Edinburgh.
A free-flowering double white variety, with medium-sized flowers.

Henryl.
Fine, large, creamy white flowers.

Jackmanii.
Intense violet purple, with a rich velvety appearance, distinctly veined.

Lady Caroline Neville.
Color, delicate blush white, with a broad purplish lilac band in the center of each sepal.

Ramona.
Flowers very large; color, a deep sky blue.

Viticella Kermesina.
Flowers of medium size and of bright wine-red color.

Paniculata (New, Sweet-Scented Japan Clematis).
A vine of very rapid growth. The flowers are of medium size, pure white, of a most delicious fragrance. These flowers appear in September, at a season when very few other vines are in bloom. Price, 15c each; extra strong 2-year-old plants, 30c.

Honeysuckles. Golden-Leaved.
Leaves interlaced with golden yellow veins; with exquisitely fragrant flowers. Price, 25c to 35c.

Chinese Evergreen.
Sweet-scented white flowers; holds its foliage late. Price, 25c and 35c each.

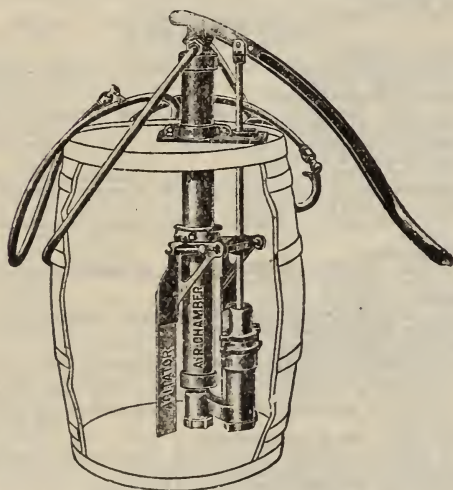
Halleana.
Flowers white, changing to yellow. Price, 25c and 35c each.

Ivy. English.
Thick, leathery, evergreen leaves; a very desirable climber. Price, 25c to 35c each.

Wisterias. Chinese Blue.
Immense clusters of blue flowers in the spring. Price, 75c to \$1.50 each.

Chinese White.

SPRAY PUMPS.



POMONA" NO. 1100, WITH AGITATOR.

Price With Spraying Nozzle and 10 feet of hose (no barrel) **\$15.00.**

Our Pomona Outfit
Price **\$22.50,**

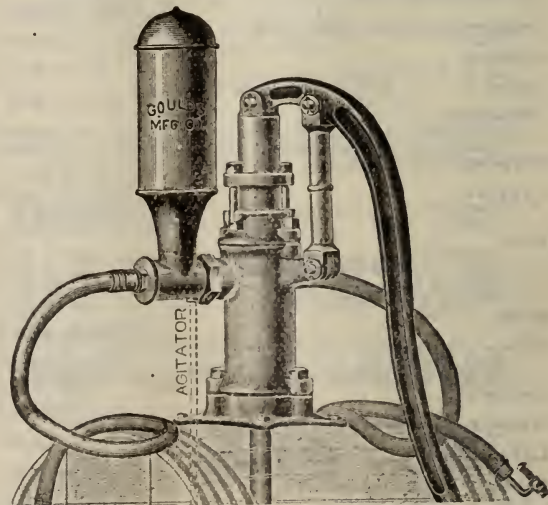
- 1 Pomona Pump.
- 1 Barrel, fitted for pump.
- 2 15-foot leads of best 4-ply rubber hose.
- 2 Vermorel nozzles.
- 2 Bamboo Extensions (8 or 10 feet) with Globe Valves.

This outfit can be handled to advantage by one man, and is of sufficient capacity to keep three men

going. One of them is in use at the experiment station, Corvallis, mounted on a tank which holds 550 gallons, and gives eminent satisfaction. This pump is in use also at the Agricultural Colleges in Pullman, Wash., and Moscow, Idaho.

THE POMONA PUMP FOR WHITEWASHING.

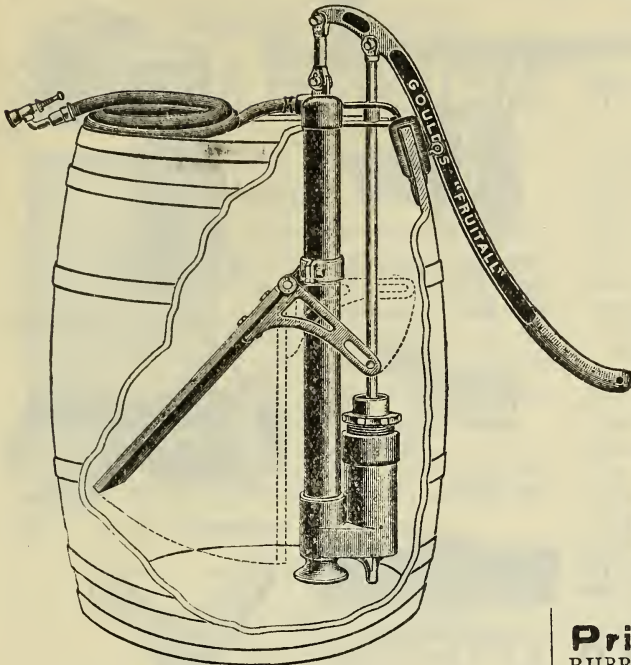
No man in this section uses a pump more for this purpose than Mr. E. N. Morgan, of Portland, Oregon, and this is what he says about it: "I make a business of whitewashing docks, storerooms and warehouses and have used all pumps sold in this market. Three years ago I bought a Pomona and have used it constantly ever since. It is the simplest, strongest and most efficient pump ever made, and is 'business' from the word go. I use it entirely with hot lime and have never been delayed a minute or spent a cent for repairs. It is just as good now as when I bought it."



STANDARD NO. 905 1/2.

Standard. No. 905 1/2.

Price, with 8-foot discharge hose and one nozzle **\$8 50**



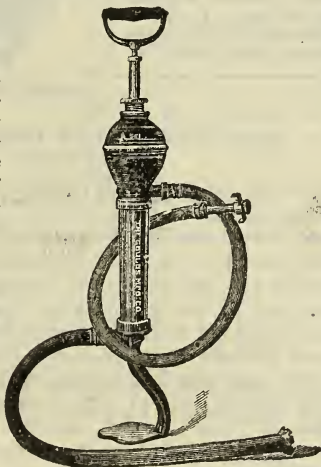
FRUITALL NO. 1188.

FRUITALL, NO. 1188.

Price, with one 10-foot lead, best 4-ply rubber hose and one Vermont nozzle (no bbl.) \$12.00
 Similar in construction and principle to the "Pomona," but of smaller capacity.

NO. 561½.

A compact and powerful Brass Force Pump, arranged with suction and discharge hose and Seneca or Calla nozzle. Has brass cylinder, plunger and rod. A first-class pump. Weight, 8 pounds. Price, complete, as shown in illustration\$5.50



PORTABLE NO. 561½.

BORDEAUX, NO. 1129.

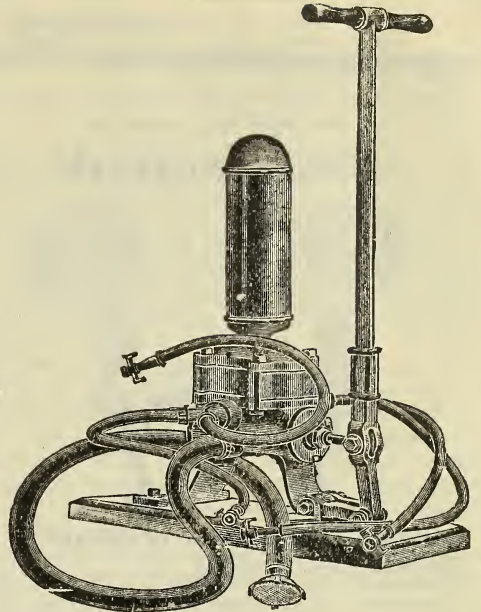
This is ALL BRASS, with malleable iron footrest. Stands in bucket with footrest outside. The gutta percha ball valve is proof against acids.

Price, complete, as shown in illustration\$4.00



BORDEAUX, NO. 1129.

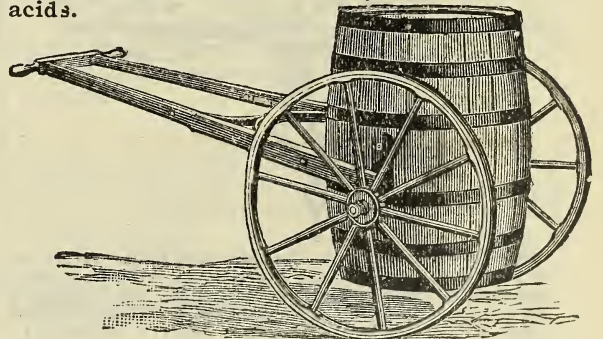
Capt. S. P. Sladden, of the great Sladden Fruit Farm, in Eugene, Oregon, uses the Pomona in his orchard, and says: "You cannot say too much in praise of the Pomona Spray Pump."



SENTINEL NO. 963.

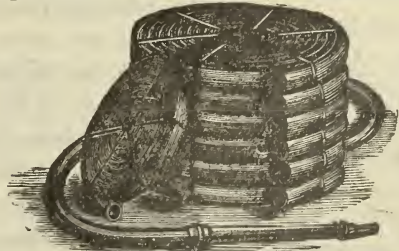
Price, Complete with 50 feet BEST 4-PLY RUBBER HOSE, 5 feet 1¼-inch Suction Hose, 2 Vermorel Nozzles, 2 Bamboo Extensions with Globe Valves, **\$35.00.**
Price of Pump only, - \$25.00

The "SENTINEL" is a pump of large capacity. It has 1¼-inch suction hose, and will supply four leads of discharge hose. The working parts and valves are made of brass and are not affected by the action of acids.



BARREL CART, NO. 1133.

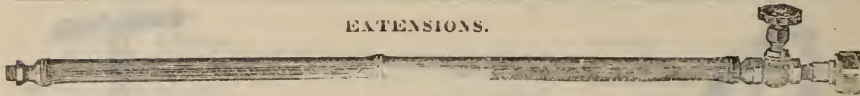
Price, with barrel, \$18.00; without barrel ..\$15.00
 These barrel carts are made to our order with FOUR-INCH TIRES. The barrel hangs on ears between the wheels, and can be deposited on the ground in an instant. It is provided with hooks for attaching a horse. One of our Spray Pumps mounted in this way makes a very handy outfit for working around the house or in a small orchard.



HOSE FOR SPRAY PUMPS.

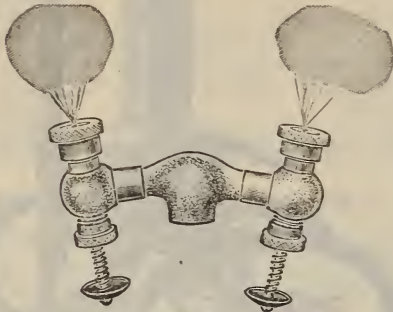
	3-ply.	4-ply.
½-inch, per foot	12c	15c
¾-inch, per foot	15c	20c

EXTENSIONS.



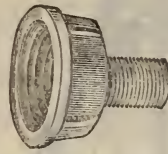
Bamboo, with globe valve\$1.50
 Iron, with globe valve 1.25

SPRAY NOZZLES.



NO. 1103. DOUBLE VERMOREL.

Vermorel, No. 55, single\$0.75
 Vermorel, No. 1103, double 1.50
 Vermorel, No. 1104, triple 2.00



Coupling for hose and iron pipe.
 No. 65.....25c



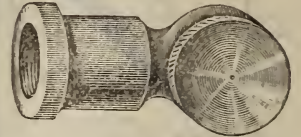
Brass Ys.
 No. 49½75c



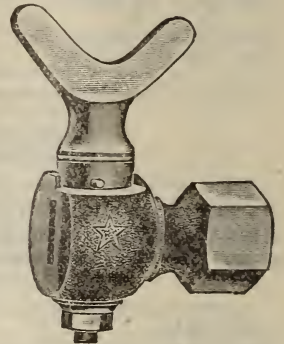
Hose coupling.
 ½ or ¾ inch25c



Pacific Cyclone, No. 52..60c



Cyclone, No. 51.....50c



Masson, No. 62.....\$1.00

SPRAYING MATERIALS



We are prepared to furnish spraying materials of all kinds in any quantity and at lowest market quotations. The prices quoted below are for ordinary requirements. IF LARGER QUANTITIES ARE REQUIRED, WE WILL QUOTE SPECIAL PRICES ON APPLICATION.

We do not sell ADULTERATED or SO-CALLED CHEAP MATERIALS. Spraying with them is time wasted and money thrown away.

Prices Subject to Market Changes.

Paris Green.	Best, 1 lb., 40c; 5 lbs., \$1.50
London Purple.	Best, 1 lb., 30c; 5 lbs., \$1.00
Whale Oil Soap.	
Sulphate of Copper.	1 lb., 10c; 10 lbs., 60c; 100 lbs., \$5.
Sulphur, Powdered.	1 lb., 10c; 10 lbs., 60c; 100 lbs., \$5.
Sulphur, Crude.	1 lb., 5c; 10 lbs., 30c.
Quassia Chips.	Market price.
Lime.	1 lb., 10c; 10 lbs., 70c.
Lye.	Market price.
Rose Leaf (Extract of Tobacco).	1-lb. can, 10c; per dozen, 90c.
Bubach.	Better and cheaper than stems. Pint, 30c; quart, 50c. Oz., 10c; ¼ lb., 30c

Mr. Frank L. Wheeler, of Fruitvale ranch, North Yakima, Washington, says: "After three weeks' steady spraying, I pronounce the Pomona Pump ALL RIGHT."

HOW THOSE CLEAN APPLES WERE PRODUCED.

To the Editor of the Oregon Agriculturist: Replying to your communication requesting a statement of our methods of spraying, etc., for the codlin moth, will say we have no new methods or secrets to disclose. We have been successful both this year and last in our battle with the moth, and have been rewarded with a bountiful crop of clean apples, which brought a remunerative price.

We commenced spraying when the apples were well formed, and as big as small chestnuts, and sprayed four times, which brought us up to August, when other duties pressed us so hard that we abandoned the attempt to give them the fifth application. Notwithstanding the omission of the fifth spraying, we estimate the percentage of WORMY APPLES at ONE PER CENT., which is quite satisfactory. The first two sprayings we used 3 pounds of lime, 2 pounds of blue vitriol and 6 ounces of Paris green to 60 gallons of water. The third and fourth times we used 1 pound vitriol, 3 pounds lime and 6 ounces Paris green to 60 gallons of water.

We are impressed with the idea that persistent spraying, year after year, will tend to drive the insects from the sprayed to the unsprayed orchards, so that our neighbors who neglect to care for their trees will be likely to get all the worms while we get the apples.

W. H. LASSELLE & SONS.

Grand Prairie Orchard.

LAMBERSON'S STANDARD FERTILIZERS



Do You Feed Your Plants?

Plants are living things. They need care, food and water, and protection from heat and cold. But no matter how much care be given them growing plants will not thrive unless they are fed.

Our fertilizers are made of the best materials and compounded according to the most approved formulas as recommended by the Oregon Agricultural College.

No. 1. GENERAL FERTILIZER.

Price per 100 lbs., \$2.00.

No. 2. POTATO GROWER.

Price per 100 lbs., \$2.50.

No. 5. ORCHARD FOOD.

Price per 100 lbs., \$2.25.

No. 6. LAWN DRESSING.

Price per 100 lbs., \$2.50.

No. 11. FISH GUANO.

Price per 100 lbs., \$1.75.

No. 10. PURE SUPERPHOSPHATE.

Contains 2½ per cent. of nitrogen and 16 per cent. of available phosphoric acid.

Price per 100 lbs., \$2.50.

PURE GROUND BONE.

Is an excellent fertilizer, though not as quick in action as the Standard Fertilizers.

Per 100 lbs., \$1.50.

BONE FLOUR.

Per 100 lbs., \$2.50.

NITRATE OF SODA.

An excellent nitrogen fertilizer, very quick in action.

50 lbs., \$2.00; 100 lbs., \$3.50.

GYPNUM OR LAND PLASTER.

100 lbs., 75c.

JADOO FIBRE.

1 lb., 10c; 5 lbs., 40c; 10 lbs., 70c.

JADOO LIQUID FERTILIZER.

Per quart, 50c.

One quart makes 50 quarts fertilizing solution.

POTASH.

(Read the following, from the Rural Northwest.)

POTASH AND PRUNES.

"Mr. H. E. Dosch, Commissioner of the State Board of Horticulture for the First District, informs us that when he moved to his fruit farm at Hillsdale the fruit of his prune trees was very large—so large, indeed, that he was led to believe that instead of being the ordinary French prunes they were what is known in California as the Robe de Sargent. Gradually the size of the prunes decreased.

"In 1896 he applied muriate of potash to the land about a number of French and Italian, and to one of his 'Dosch' prune trees. The effect was remarkable. The prunes on the treated trees were very much larger than those on the trees not treated with potash. On the Dosch tree they were almost doubled in size. The fruit was also sweeter on the trees which received the benefit of the potash.

"Mr. Dosch intends to apply muriate of potash to all of his prune orchard the coming season at the rate of about 400 pounds per acre.

"Orchardists who have observed a deterioration in the size and quality of their prunes should do some experimenting with potash and report the results when the season is over."

We advise use of potash in the fall. It is a mistake to suppose that it is evaporated or lost during the winter. On the contrary, the rains dissolve the potash and carry it down to the roots, where it is available for plant food.

We have interesting pamphlets on fertilization, and are pleased to send them free to any one on application.

We supply the genuine article in original lead sealed sacks, of 224 pounds each, just as received from the mines in Stassfurt, Germany, at the following prices:

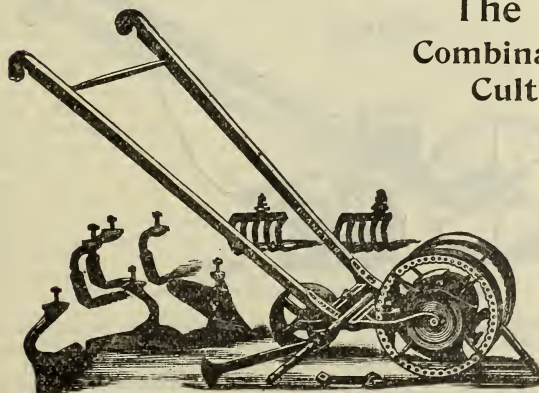
PRICES:

Muriate, per lb., 2½c; per sack of 224 lbs.....\$6.25
Sulphate, per lb., 3¼c; per sack of 224 lbs..... 7.00
Kanit, per lb., 1¼c; per sack of 224 lbs..... 2.25

"PLANET JR." TOOLS FOR 1899.

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.

The "PLANET JR." No. 1 Combination Drill and Wheel Hoe, Cultivator, Rake and Plow.

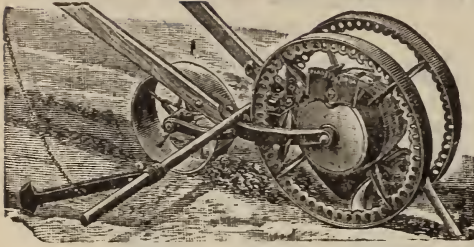


This has long been the most popular combined tool made. As a seed sower, it is identical with the No. 2 "Planet Jr." Drill, except in size, and has all its merits, its strength, durability, ease of operation and perfection of work.

It has a complete set of cultivating tools, and all its work is rapid, easy, perfect and delightful. When used as a drill the seed is sown with great regularity and at uniform depth, regulated at pleasure. The hopper holds one quart. From a drill it is changed to its other uses by unscrewing but two bolts, when any of the attachments shown in the cut can be quickly made ready for use.

Price, \$9.50.

The "PLANET JR." No. 2 Seed Drill.



This tool is known the world over, and, with the exception of the "Planet Jr." Hill Dropping Drills, is the most perfect drill known. It holds two and one-half quarts.

The drill sows in an even, regular stream, whether there is much or little in the hopper. The opening plow, being directly between the wheels, follows all irregularities of the ground, is adjustable, and once set, opens the furrow at a uniform depth, and the seeds are deposited in a very narrow line. The machine is extremely simple; no agitators, belts or gearing.

Price, \$7.00

A fine Hill Dropping Seeder, with hosts of friends, and for 1899 it is greatly improved in many particulars. This Drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will drop neatly in hills, either 4, 6, 8, 12 or 24 inches apart. The wheel is 15 inches high, with a broad face. It is changed in a moment from hill dropping to drill work, sows equally well whether the hopper is full or contains only a paper of seed, and will not injure delicate seeds, such as radish, cabbage, etc., which are so often peeled or crushed by imperfect seeders. The plow is adjustable and opens a very narrow furrow which is a great advantage for after cultivation.

1896 was the first year that this machine was sold widely by the manufacturers of the celebrated line of "Planet Jr." goods, but it has since been bought very largely by careful gardeners and nurserymen, and has given entire satisfaction. Price, \$9.50.

"PLANET JR." No. 3

Hill Dropping Seed Drill



Sows either in hills or in continuous row.

The "PLANET JR." No. 4

Combined Hill Dropping Seeder and Single Wheel Hoe



This is exactly the same style of seeder as the No. 5 "Planet Jr." Hill Dropper. It is smaller in capacity, though still of good size, holding two quarts. It drops in hills at 4, 6, 8, 12 and 24 inches apart, and in drills any thickness, handling the smallest paper of seed perfectly, and is simple, durable and very light running. Throws out of gear instantly by simply raising the handles. The index is accurate, plain and easily set. The Drill is detached and the tool frame substituted by removing one bolt. It then becomes one of the most admirable Single Wheel Hoes of the "Planet Jr." family. It has a fine garden plow, two new-style hoes, perfected shape, three delightful cultivating rakes, new form, and made especially to fit 6, 9, 12, 14 and 16-inch rows, three cultivator teeth and a practical leaf guard.

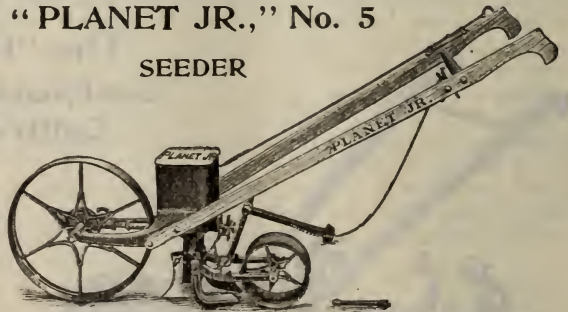
Price, Complete, \$10.50

As a Drill only, \$7.50

This new tool will be a delightful surprise to every gardener. We all know that a seed sower that does not drop in hills is fast becoming a thing of the past, for there are few now who do not wish to plant beans, spinach and salsify, carrots and turnips, parsnips and beets in hills. Why? Because all crops that are to be grown from seed and thinned to a regular stand should be planted in hills at just the distance apart the plants are desired; for in drilling, unless the seed is sown unnecessarily thick, there will not always be a plant at the proper spot, and the crop is therefore irregular. This means that nowadays a seed sower should drop in hills, and at various distances. The new No. 5 "Planet Jr." drops at 4, 6, 8, 12 and 24 inches apart, and also in a continuous row, without injury to the seed, and can be changed from hill to drill instantly, or from one distance to another very quickly. The index is at the top of the handle in the most convenient position, with hairbreadth adjustment and instantaneous cut-off. The newcomer is a great favorite, too, because it is unusually large, its capacity being four quarts. It is a model of ingenuity, strength and durability. It has a 16½-inch wheel,

"PLANET JR.," No. 5

SEEDER



Sows either in hills or in continuous row

with broad face; is very light running, is large, yet will sow a single paper of seed perfectly or drop it accurately in hills. In a word, no seeder has ever been made that equals this newly perfected "Planet Jr." No. 5.

Price, \$12.50

“PLANET JR. No. II

**Double Wheel Hoe,
Cultivator,
Rake and Plow.**

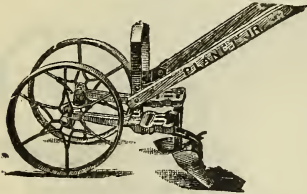
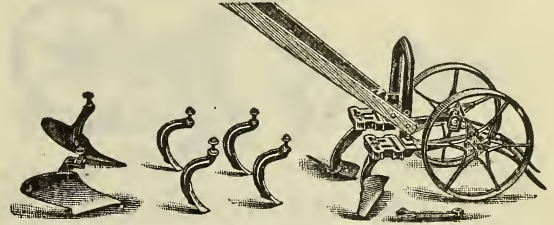


This tool, first offered for '98, combines in itself the good points of its predecessors with valuable new ideas. It has 11-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set at three different heights. The handles are adjustable, and, being attached to the arch, are entirely undisturbed in making changes of the height of frame, width of wheels or in the adjustment of the tools themselves. The arch is of stiff steel, unusually high. The design of the frame is novel, allowing all changes of tools to be made without removal of the nuts from the standards. A pair of model rakes and a pair of new-style hoes are added to the usual equipment—seven pairs of tools in all. The whole set shown in the cut goes with the complete tool. All the blades are of tempered and polished steel. The variety of work possible with this machine is incredible, covering the whole range of wheel hoe work, both in the garden and on the farm, and has our unqualified endorsement. Price, \$8.50.

“PLANET JR.” No. 12.

**Double Wheel Hoe,
Cultivator and Plow.**

This tool is identical with No. 11, except that it has a less complete equipment, as shown in the cut, but at a correspondingly less price. The set of tools with No. 12 is what gardeners need most, and the rest can be added as wanted. Price, \$6.50.

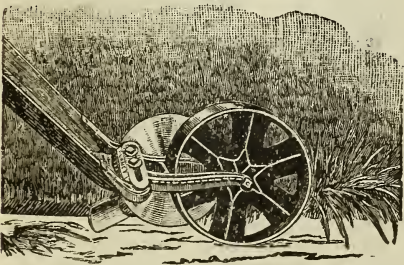
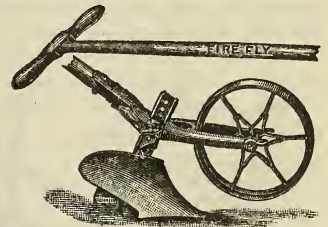


The “PLANET JR.” No. 13 Double Wheel Hoe.

This tool is the No. 11 with 6-inch hoes only, this pair of tools being most generally useful at all seasons. Any or all of the No. 11 tools may be added at any time, and are sure to fit. Price, \$4.50.

The “FIRE-FLY” PLOW.

This tool is invaluable for those who have small gardens. The mold-board is tempered and polished steel. The depth may be changed very quickly. The low price brings it within the reach of all. Very useful to plow up the chicken yards. Price, \$2.50.



The “Planet Jr.” Grass Edger.

The grand secret of attractiveness in grounds surrounding a house is extreme neatness. The “Planet Jr.” Grass Edger assists wonderfully in producing this effect. It will do either straight or curved edging at a speed of a mile an hour. It should be the constant companion of the lawn mower.

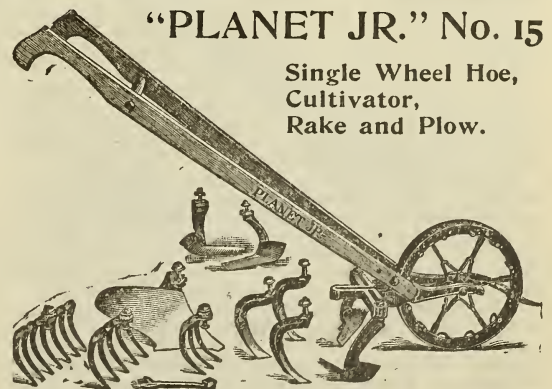
Strawberry growers will find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners. Price, \$5.50.

This latest and best Single Wheel Hoe, improved for 1899, has an 11-inch wheel, with broad face, and a conveniently arranged and a very full set of tools, several of them being of new, special design, such as have been found to perform Wheel Hoe work in the very best manner. It is very light and strong and easy running; has three more tools than the old “Planet Jr.” and does a much greater variety of work and does it better. Has adjustable handles, and frame, especially adapted for quick changing of teeth. It is a most perfect Wheel Hoe for market gardeners or for private places. The tools are a well-shaped plow for plowing, marking out, covering and late cultivation; a pair of neat 4-inch shield hoes, just right for hoeing in rows from 9 to 12 inches; and a large pair for wider work, and three cultivator teeth. Also a set of three rakes, just right for 6, 9, 12 and up to 16-inch rows, with two arranged side by side; the rakes are just the thing for preparing ground for the Seed Drill. A practical leaf guard completes the equipment.

The frame changes in height, and the wheel to the other side of the frame, when both sides of the row can be hoed at one passage. Price, \$6.50.

“PLANET JR.” No. 15

**Single Wheel Hoe,
Cultivator,
Rake and Plow.**



This Wheel Hoe is identical with No. 15, except that it has fewer tools, but the price is proportionately lower, and the remaining tools may all be added as wanted. The equipment is a most useful one, and will be found just right for a great variety of work. The frame changes in height, and the wheel to the other side of the frame, to hoe both sides of the row at once. Price, \$5.50.

"PLANET JR." No. 17

Single Wheel Hoe,
Cultivator
and Plow.



"PLANET JR." No. 16

Single Wheel Hoe,
Cultivator, Rake
and Plow.

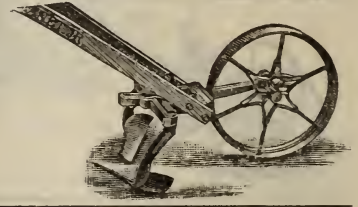


This also has the same frame, handles, etc., as No. 15, but is supplied only with a pair of 6-inch hoes, a set of cultivator teeth and a plow, a sufficient outfit for most gardening work. The others can be added at any time.

The frame changes in height, and the wheel to the other side of the arm, when working both sides of the row at once. Price, \$4.50.

The "PLANET JR." No. 18 Single Wheel Hoe.

With the same frame and handles as No. 15, it has one pair of 6-inch hoes only, but they are the most constantly useful through the season of all the list. The remainder you buy as wanted. The frame changes in height, and the wheel to the other side of the arm, when wishing to hoe both sides of the row, at a single passage, while plants are small. Price, \$3.50.



"PLANET JR." Harrow and Cultivator

Price plain, \$6.00.
" with wheel, \$7.25.
" complete, \$8.50.



Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

The Frame is longer than usual, and about one and a half inches higher, making a tool that will not clog easily.

The Stiff Steel Standards are formed up hollow with round throats; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

The Depth is under perfect control by means of a new lever wheel and the new patented depth regulator, which are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator.

The Expander.—This is an entirely new pattern, superior to all other forms; exceedingly strong, simple, accurate and positive in all positions.

Handle and Braces.—These are also new and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of handles in height and sidewise.

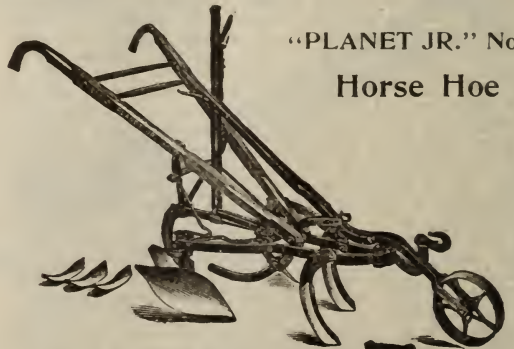
The Reversible Side Hoes, patented, are an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end the tool becomes a genuine horse hoe, working so shallow and close without injury to the roots that an immense amount of hand labor is avoided.

This comparatively new tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It is carefully made and finished, has a high frame and the chisel-shaped teeth cut an inch wide each, and may be worn down three inches before that width is lessened or the teeth worn out; even then they are cheaply replaced.

It may be set with teeth trailing by simply changing one bolt in each tooth.

The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting, and controls the depth of the rear teeth. Hand levers regulate both width and depth while in motion; it contracts to 12 inches, and may be further reduced in width by taking off the outside teeth; it expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. For cutting strawberry runners we make a special attachment, consisting of a 10-inch flat steel disc mounted on an outrigger. Strawberry Runner Cutter Attachment, extra, \$1.50.

"PLANET JR." No. 8 Horse Hoe



Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. Price, \$8.50.

Without Depth Regulator (order as No. 7)...\$8.00.



Planet Jr. No. 9

Horse Hoe and Cultivator

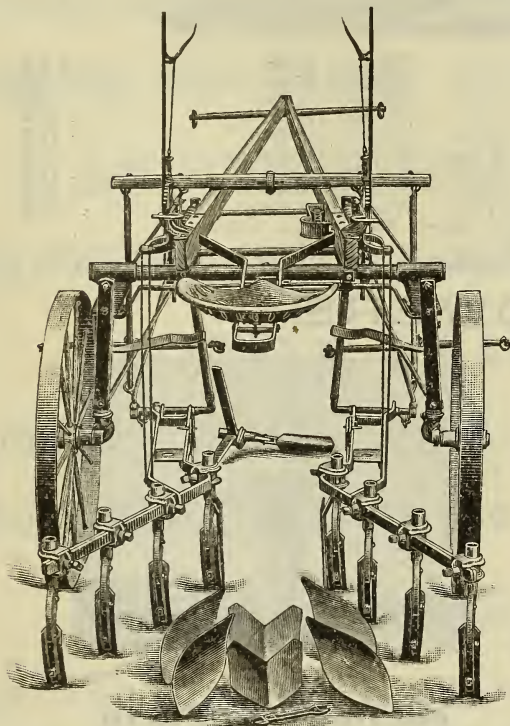
This tool is similar to the No. 8 Horse Hoe, but it has a plain wheel instead of one operating by a convenient lever. It has the same standards and teeth, and is made in other respects like the popular No. 8. It is strong and serviceable, and will give full satisfaction. Price, \$7.50.

THE "PLANET JR."

Pivot Wheel Cultivator, Plow, Marker, Coverer and Ridger.

This new two-horse tool is worthy of a distinguished place in all descriptions of improved implements. Neatness of construction is here combined with lightness, strength and adjustability. It is a tool with which a remarkable variety of work can be done. As a fallow cultivator, ground can be prepared for crops, both fall and spring, and marking, covering, cultivating, plowing, etc., and all admirably performed. The very latest ideas are embodied here in the finest designs and materials. Adjustments are easily and quickly made. The gangs are moved closer or wider apart at will. Any distance from 32 to 40 inches; an important advantage in all narrow rows. Each tooth has the famous hollow steel standard, with break pin, and a hollow extension standard, which is adjustable for height and may be turned to the right or left, or moved along the bars to change the position sidewise, covering by these numerous but extremely simple adjustments every change that can be useful. The seat is adjustable; the wheels are pivoted, and the balance is so perfect that it steers like a charm, enabling the operator to work closer than ever before possible with so little labor, and to work moderate hillsides with ease. Two marking shovels are supplied, which will open two furrows at once, any distance apart up to 3 feet 6 inches, and with two of the plows shown it will cover neatly or make ridges for any kind of planting. The tool also has a ninth tooth for fallow ground. The cultivator teeth are 10x2 1/4 inches, of the best quality and shape. Other teeth, 1 1/2, 3 and 4 inches, also fit the tool. The plows are capital for plowing to or from, hilling, etc. The frame is made of spring steel, and all the parts and the workmanship are superior in design and value to any similar tool. Price, \$45.00.

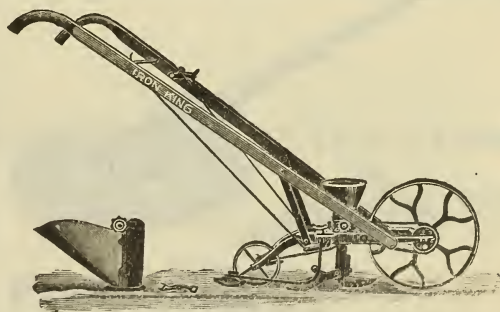
As a Cultivator only, with 8 Spring Teeth, \$37.50.



IRON KING SEED DRILL.

The Iron King Seed Drill is especially adapted to sowing onion seed, and sows all kinds of garden seeds in an exact line and at a uniform depth. Its special features are its Shoe Furrower, Practical Force Feed, Accuracy, Noiselessness and Ease of Working. It is not a new experimental machine, but one which has been used successfully for several years in one of the principal onion-producing sections of the United States. We are using it in our own extensive onion fields, and find it a successful and satisfactory drill.

D. M. FERRY & CO.
Price, \$8.00.



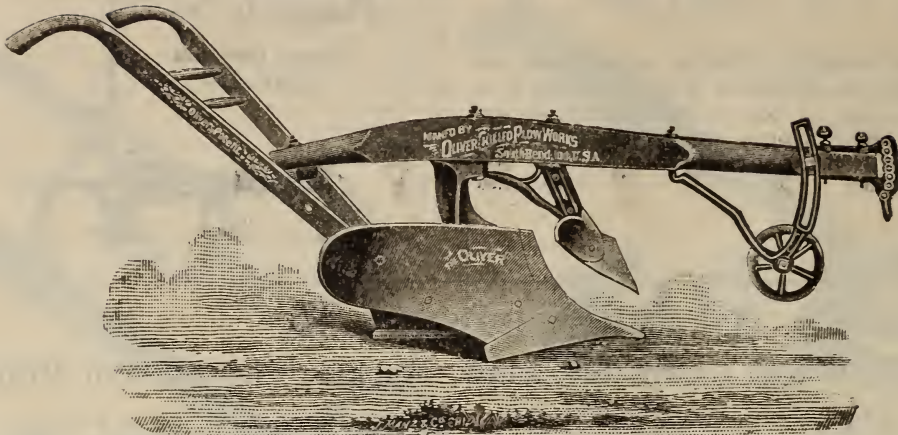
"WORN-OUT" SOIL.

The supply of available plant food in any soil is limited. Some lands will stand continuous cropping longer than others, but sooner or later will be worn out unless the farmer returns to the land some of the nutritive elements that have been withdrawn by the crops.

PROF. G. W. SHAW.

OUR FERTILIZERS restore the plant food withdrawn by the crop, and if applied regularly will improve the soil from year to year.

OLIVER CHILLED PLOW.

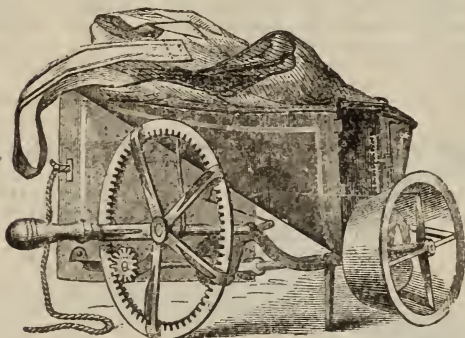


No. A-2	Chilled Metal	.....Cut 9 in.	Weight, 53 lbs.	.....\$ 6.00
No. 10-V	Chilled Metal	.....Cut 10 in.	Weight, 70 lbs.	.....8.00
No. B-V	Chilled Metal, Vineyard	.....Cut 9 in.	Weight, 75 lbs.	.....8.50
No. 20	Chilled Metal	.....Cut 12 in.	Weight, 110 lbs.	.....10.50
No. 40	Chilled Metal	.....Cut 14 in.	Weight, 130 lbs.	.....11.00
No. H-O	Chilled Metal	.....Cut 14 in.	Weight, 130 lbs.	.....11.00
No. 50	Chilled Metal, with Cast Share	.....Cut 16 in.	Weight, 165 lbs.	.....14.00
No. 50	Chilled Metal, with Steel Share	.....Cut 16 in.	Weight, 155 lbs.	.....16.00
No. 140	Chilled Metal, Comb	.....Cut 14 in.	Weight, 135 lbs.	.....12.00

Price includes a Wrench and extra Cast Share with all, except No. 50 Steel Share. Wheels and Joints are not included in above prices.

No. 40 Plows both Right and Left-Hand; all others Right-Hand only.

SEED SOWERS.

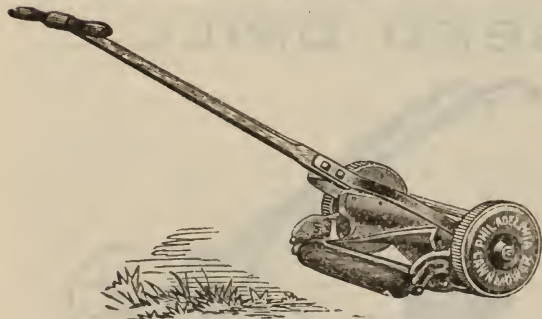


CAHOON. Price, \$4.00.



GRANGER. Price, \$3 75

LAWN MOWERS.



PHILADELPHIA.

12 inches, \$7; 14 inches, \$7.50; 16 inches, \$8

DIAMOND.

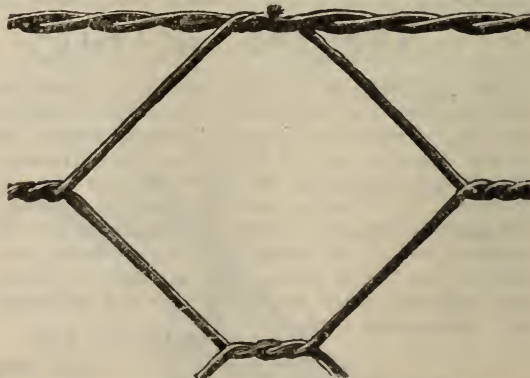
The "DIAMOND" was the only mower used on the lawns at the Columbian exposition in Chicago. It is perfect in material and workmanship, and is WARRANTED to give entire satisfaction. We are the sole agents.

16-inch, \$6.50; 14-inch, \$6; 12-inch, \$5.50

THE MAGIC.

A good mower at a low price.
14 inches, \$3.50; 16 inches, \$4.00.

POULTRY NETTING.



The following table gives the net price of a single roll of netting, 150 feet long, of different widths. If you order five rolls, any one or assorted sizes, deduct 5 per cent. from these prices. Less than full roll, 1c per square foot:

MESH	No. Wire	12 in.	18 in.	24 in.	30 in.	36 in.	42 in.	48 in.	60 in.	72 in.
2-inch	20	0.68	1.01	1.32	1.69	2.03	2.36	2.70	3.38	4.06

WHY is it that our mail order business is growing?

ONE REASON is that we cultivate it by sending our Large Illustrated Catalog into every farming community in Oregon, Washington and Idaho.

ANOTHER REASON—We fill orders promptly and in a satisfactory manner.

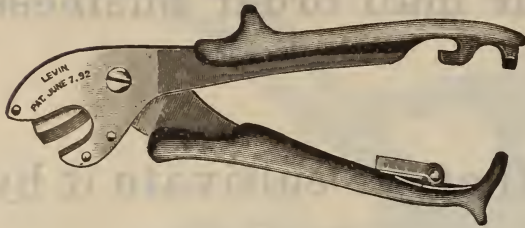
ANOTHER REASON—We sell nothing but the best in any line we handle. We believe the **BEST** is the **CHEAPEST**.

We were awarded a diploma and medal by the Oregon Industrial Exposition, held in Portland in 1898, for the **BEST DISPLAY** of **SEEDS**.

We were awarded a diploma by the great Spokane Fruit Fair in 1898 for the **BEST SPRAY PUMP**, "The **POMONA**."

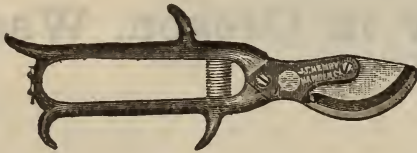
We have other **BEST** goods—give us your confidence and your orders and see for yourself.

PRUNING SHEARS.



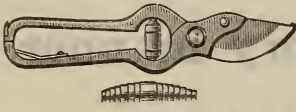
THE LEVIN PRUNER.

Cuts clean, does not mash the twig.
No. 23 cuts 3/4 inch. Postpaid, 75c.



No. 1.

No. 1. 40c; postage, 15c.
No. 9, loop handle. 50c; postage, 15c.



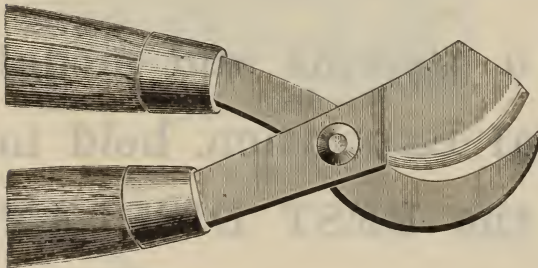
No. 4665.

No. 4665, 9-inch California pattern; German make, black finish, polished blade. 75c; postage, 15c.

No. 4666, 9-inch; same pattern as 4665; bright finish, polished blade, spiral steel spring. Made for hard service. \$1.00; postage, 15c.

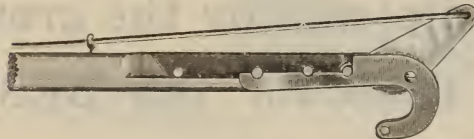
No. 4773, 9-inch; Rieser pattern, full polish, with double brass springs. \$1.50; postage, 15c.

No. 4771, 10-inch; California pattern; spiral steel spring, fine straw-colored blade. Made for heavy work. \$2.00; postage, 20c.



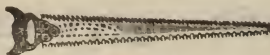
BRANCH SHEARS.

Rockdale, 26-inch. 85c.
Rockdale, 41-inch. \$1.00.
Red Chief, heavy draw cut. \$3.00.



TREE PRUNERS.

Eight-foot handles. 75c.
Ten-foot handles. 85c.
Twelve-foot handles. \$1.00.



PRUNING SAWS.

Duplex. 18-inch, 80c; 20-inch, 85c.
California (curved blade). 75c.
Disston (plain back). 18-inch, 85c; 20-inch, \$1.00.

PRUNING KNIVES.

We have a good assortment of these, ranging in price from 50c to \$1. If out-of-town customers will tell us about what they want, we are confident we can give them good value for money sent.



SCOLLAY SPRINKLER.

Large \$1.00, postage 10c; medium 75c, postage 7c; small 60c, postage 5c.



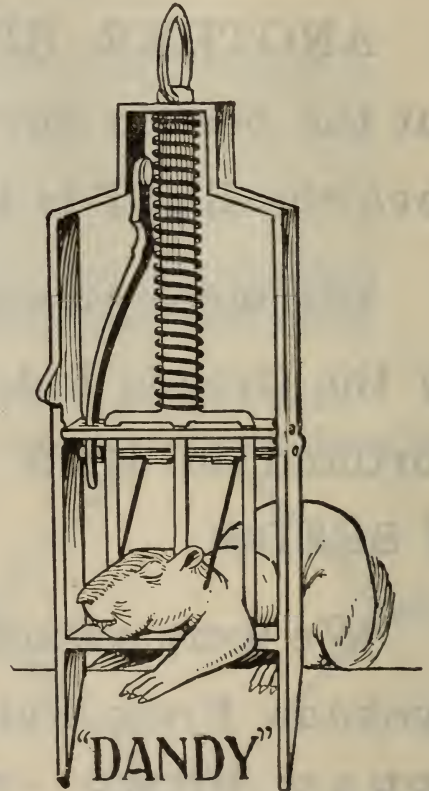
GARDEN TROWELS.

No. 1. Blade and shank of ONE PIECE OF STEEL. The best tool of its kind in the market. 50c.

No. 2. Good steel trowel, with malleable iron shank, firmly riveted. A good trowel for the money. 10c.

No. 3. Steel trowel, better finished than the above. 15c.

Dandy Mole Trap



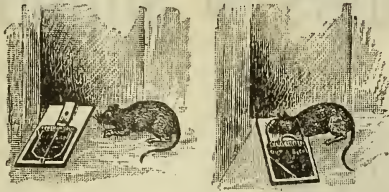
Dandy Mole Trap, 25c; postage, 12c.

NO CREDIT MEMORANDUMS.

If your remittance is for more than the amount of your purchase we return balance due in cash.

"OUT O' SIGHT" TRAPS

"Out o' Sight" Mouse Trap



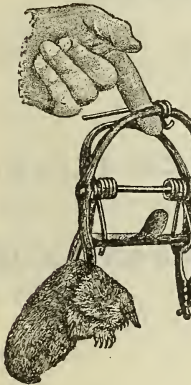
Mice in the Pantry.

THE "OUT O' SIGHT" TRAP IS SURE TO CATCH 'EM. NO BAIT REQUIRED.

Will catch two mice to one of any other trap made in a given length of time.

Mouse trap, sent postpaid - 10 cents
Rat trap, sent postpaid - - 25 cents

FULL INSTRUCTIONS WITH EACH TRAP.



"OUT O' SIGHT" Mole Trap

This cut shows the best Mole Trap ever offered, and only has to be tried to be appreciated.

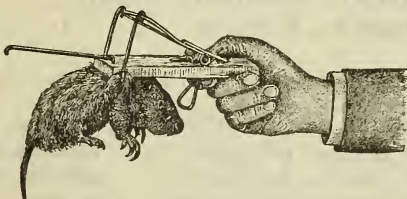
THE SECRET OF MOLE CATCHING

is a GOOD TRAP, and to know their habits.

Full information sent with each trap.

Send \$5^c for Sample Trap,
SENT POSTPAID.

"Out o' Sight" Gopher Trap



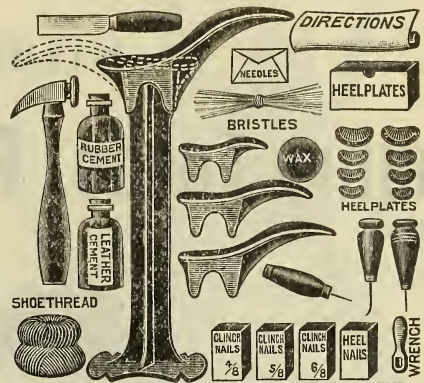
NEW PRINCIPLE

When properly set The Best Trap Made for
will catch 19 out of 20. POCKET GOPHERS

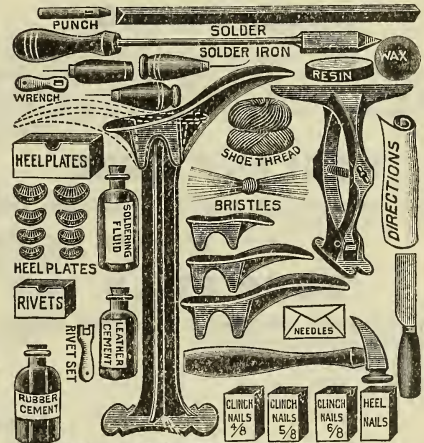
No Danger and Easy to Set. Sure Catch.

Sample trap, sent postpaid for 25 cts.

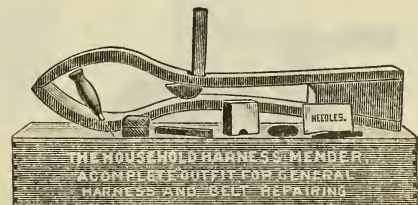
Full Directions With Each Trap.



Home Outfit No. 2, \$1.40.



Home Outfit No. 1, \$1.75.



THE HOUSEHOLD HARNESS MENDER
A COMPLETE OUTFIT FOR GENERAL
HARNESS AND BELT REPAIRING

Harness Mender, \$1.40.

Easy When You Know How!

THE SECRET of Mouse and Rat catching is simplicity of trap (nothing to scare), and the chief practical beauty of the "Out o' Sight" is its innocent appearance—nothing about its placid surface which tells a mouse or rat of its approaching danger. **CATCHES THEM COMING OR GOING**, with or without bait. Simply place the trap when set with pedal end against the wall where they come out from behind boxes, back of shelves or in their runways. **IT NEVER FAILS.** Two sizes: No. 1 for mice, No. 2 for rats.

...STURTEVANT'S...

Poultry Foods, Remedies AND Supplies



THANOLICE POWDER kills lice and mites on poultry, horses, cattle, sheep and hogs; fleas on cats and dogs. Price, 25c. and 50c. per box.

CREO CARBO.

The best and cheapest liquid lice killer and disinfectant on the market. One quart makes three as strong as any other manufactured. Paint your roosts, dropping boards and coops and destroy the lice.
Price, 50c.

POULTRY CURE.

A sure cure for all diseases of poultry, such as cholera, gapes, pip, etc.
Price, 25c and 50c per package.

ROUP PILLS.

Will cure roup, swell head, sore head, canker, influenza and colds in poultry.
50 pills in box25c
125 pills in box50c

EGG MAKER.

A guaranteed egg-producer. Makes young chicks and turkeys grow fast and feather out quickly. Indispensable for moulting fowls.
Price, 2-lb. box25c
Price, 4½-lb. box50c

IMPERIAL EGG FOOD.

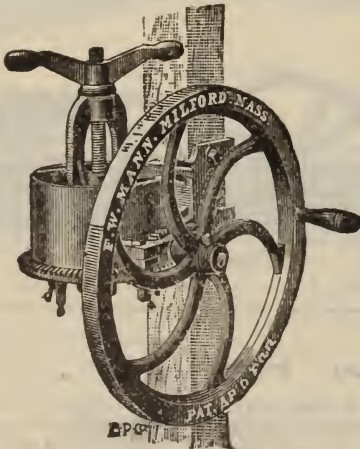
1-lb. package, 50c; 2½ lbs., \$1; 6 lbs., \$2.00

THANOLICE NEST EGGS.

A nest egg and lice killer combined. Try one under your setting hen and in the nest. Keeps your hens, chicks and nests free from lice.
Price10c each

Manufactured by **F. C. STURTEVANT, Hartford, Conn.**

Sold by Buell Lamberson, 180 Front St., Portland.



MANN'S GREEN BONE MILL, NO. 1B.

No. 1C, with crank\$6.00
No. 1B, with wheel\$8.00
Wilson's Dry Bone Mill\$5.00

Granulated Bone for Chickens, 100 lbs. \$1.50
Oyster Shells, Domestic.....100 lbs. \$1.00
Oyster Shells, Baltimore.....100 lbs. \$1.50
Oyster Shells, Baltimore....5-lb. pkg. .15

CREOSOZONE.

Quart can, 50c

ZENOLEUM.

Sure cure for lice, mites, and all vermin about hen house.
6-oz. bot., 25c; qt. can, 75c; gal. can, \$2; 5-gal. can, \$9

NEST EGGS.

White glass. Each, 5c; dozen, 30c.
Medicated. Each, 10c.

MORRIS POULTRY CURE.

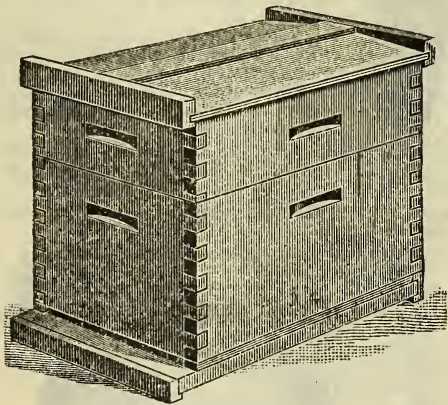
This infallible remedy challenges the world to produce its equal as an egg-producer, preventive and cure for all diseases of fowls.

25c, 50c and \$1.00 per pkg

BEE SUPPLIES....

Northwestern agents for
THE A. I. ROOT CO., Medina, O.

BEES don't care what kind of a hive they live in. A soap box, nail keg, hollow log or "any old thing" will satisfy THEM. BUT, if you keep bees for PROFIT, you must furnish them with "up-to-date" appliances. The ROOT goods are up to date, and you know when you buy them that you are getting the best that can be made.



DOVETAILED HIVE.

Our dovetailed hives are easily put together, and when properly nailed they have five times the strength of the old-fashioned hive-bottoms depending merely on the strength of the nails.

DESCRIPTIVE LIST OF DOVETAILED HIVES.

The bottoms and covers of various styles are designated by a letter—i. e., A indicates the Danz. bottom; B is the old-style, 7/8-inch bottom; D is the Danz. cover; G, the gable cover. The furnished bodies and supers are designated by a figure to distinguish the various styles of furnishing; 5 indicates a body with frames and division-board; 6, the same with foundation-starters added; 1 indicates the super with section-holders and followers; 2 indicates the same with separators or fences added; 3, the same as 2 with sections added; 4, the super complete, with starters. To designate which style of super you want, use the designating letter following the figure which indicates the amount of furnishing desired. For instance, the regular super with fences and plain section-holders for 4 1/4 x 1 1/2 plain sections is designated by the letter P. Without the sections or starters it is 2P; with sections, 3P; with sections and starters, 4P. The same super with the slotted section-holders and sawed slotted separators, such as we have been furnishing for years, is designated by the letter S; and in like manner this super will be 2S, 3S, or 4S, according to the furnishings you wish to have included. The Ideal super 5 1/2 inches deep, which takes five 3 3/4 x 5 x 1 1/2 sections in a row on a straight slat, is designated I, following the number. This super with slats and fences will be 2I; with sections added, 3I; with foundation-starters also included, 4I. You can have your choice of these supers on your comb-honey hives at the same price, but do not order more than one style in the same package of five hives, unless you allow the single-hive price to pay for the extra trouble in packing. If you do not designate which style you

want by affixing the designating letter to the hive number when you order, we will use our own judgment in what we send you, and will not be responsible if we don't happen to guess which style you intended to order.

By putting together the letters and figures indicating the parts you desire in a hive, and adding together the price opposite each part as given in the following table, you can make up any combination you desire. We list under their numbers made up in this way only a few of the regular combinations kept in stock. If you want frames pierced and wire included, add letters PW to number, and 10 cents for each five hives, to cover expense.

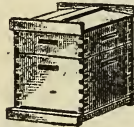


Fig. 12.

No. BD52, as shown, Fig. 12, is a 1 1/2-story hive for comb honey, complete, except sections and foundation-starters; nails and separators included; corresponds to old No. 1E.



Fig. 13.

No. BD64 is a 1 1/2-story hive complete for comb honey, with foundation-starters and nails, corresponding to our old No. 1.

No. BD522 is a 2-story hive for comb honey, Fig. 13, corresponding to our old No. 2E.

No. BD644 is a 2-story hive complete for comb honey, corresponding to our old No. 2. These hives are made by adding an extra super to the 1 1/2-story hive shown, Fig. 13.



Fig. 14.

No. BD55 is a 2-story hive for extracting, corresponds to old No. 5E.

No. BD66 is the same with foundation-starters for the frames, corresponds to old No. 5 without honey-board.

DANZY BOTTOM BOARD.

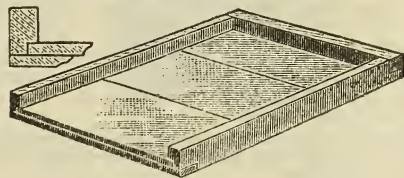
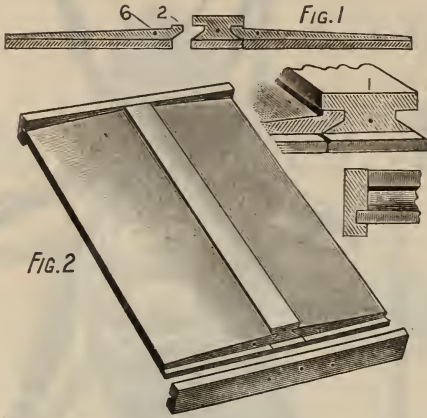


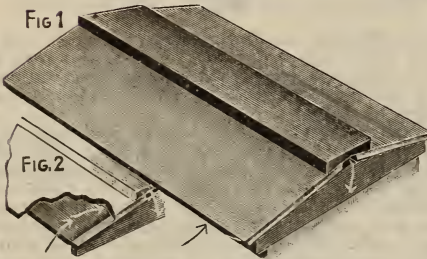
Fig. 7.

The Danzy hive-bottom, to fit the Dovetailed hive, will be furnished at the same price, when desired. It is reversible, having the regulation bee-space on one side and 7/8-inch space on the other. This deep side is used when swarms are hived, to give better ventilation, and in winter while in the cellar it is also used for the same reason.

DANZY COVER.



GABLE COVER.



**PRICE LIST.
ROOT'S DOVETAILED HIVES.**

	One nailed or K. D. boxed.	Flat, Ten.
BD64—Old No. 1 complete.....	\$1.80	\$15.00
BD52—Old No. 1E.....	1.50	12.50
BD644—Old No. 2 complete.....	2.40	19.50
BD522—Old No. 2E.....	1.95	16.00
BD55—Old No. 5E.....	2.00	16.50
A or B Bottom.....	.25	2.00
D or G Cover.....	.30	2.50
Empty Body with Rabbits.....	.40	3.50
5-Body.....	.70	6.25
6-Body.....	.80	7.25
Shallow Super with tins (4¼ in. deep)	.20	1.75
1-Super.....	.30	2.75
2-Super.....	.40	3.10
3-Super.....	.45	4.10
4-Super.....	.50	4.50
Deep Super (5¼ in. deep) with tins.	.25	2.00
BD52-10 10-Frame Hives.....	1.75	14.50
BD64-10 10-Frame Hives.....	2.10	17.50

Five hives at same rate as ten.

DOVETAILED CHAFF HIVES.

Each, \$1.50; 10, \$12.50.

DOVETAILED WINTER CASE.

There are those who, having single-walled hives, desire something which, at a slight additional expense, will convert their hives into double-walled abodes for bees during the winter. Again, there are others who winter indoors who wish something cheap and serviceable in the way of a protection to put over the hives after they are set out in the spring, and here it is.

These are large enough to go over 10-frame Dovetailed and Simplicity hives, allowing only 3/8 inch space on each side.

Price, including cover and padded sticks and nails, in flat, 75c; 10 for \$7.

On account of increased cost of "Western" and "Cedar" Hives, we are obliged to advance prices, as will be seen by the following tables. The difference in price between these and ROOT HIVES is now so slight that we advise our friends to give the latter the preference.

**PRICE LIST.
"WESTERN" DOVETAILED PINE HIVES.**

	One nailed or K. D. boxed.	Flat, Ten.
No. 1 complete.....	\$1.60	\$14.00
No. 1 empty.....	1.40	12.00
No. 2 complete.....	2.10	18.00
No. 2 empty.....	1.75	14.50

Five hives at same rate as ten.

**PRICE LIST.
DOVETAILED CEDAR HIVES.**

	One nailed or K. D. boxed.	Flat, Ten.
No. 1 complete.....	\$1.50	\$13.00
No. 1 empty.....	1.30	11.00
No. 2 complete.....	1.90	16.00
No. 2 empty.....	1.60	13.00

Five hives at same rate as ten.

ITALIAN BEES AND QUEENS.



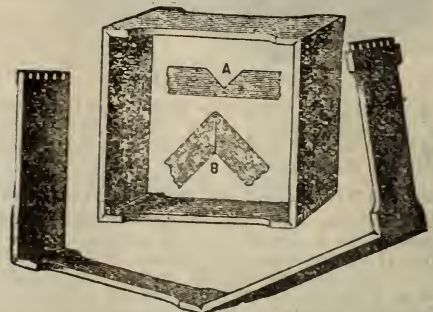
Untested queen, April \$1.50, May \$1, June \$1, July 75c, August-September \$1.
 Tested queen, April \$2.50, May \$2, June \$2, July \$1.50, August-September \$2.
 Select tested queen, April \$3.50, May \$3, June \$3, July \$2.50, August-September \$3.
 Full colony of bees, April \$8, May \$7, June \$7, July \$6, August-September \$6.

NOTICE.—The price of the colony does not include a queen. Select the queen you want and add her price to that of the bees.

Queens by mail are prepaid, and safe arrival warranted.

Full colonies must go by express, charges to be paid by the purchaser.

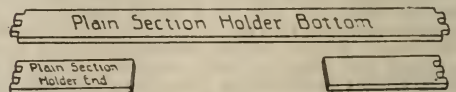
NO. 1 SECTIONS.



SECTIONS—ROOT'S REST.

- 4¼x4¼x1 5-16 inch.
 - 4¼x4¼x1 7/8 inch.
 - 4¼x4¼x1 ¾ inch.
 - 4¼x4¼x7 to foot.
 - 4¼x4¼x1½ inch, plain, for fence separators.
 - 3½x5x1½ inch, plain, for Ideal Supers.
 - 4x5x1¾ inch, plain, for Danz. Hives.
- Price, all sizes, 100, 50c; 500, \$1.80; 1,000, \$3.50.
 Price on second-quality sections on application.

SECTION HOLDERS.



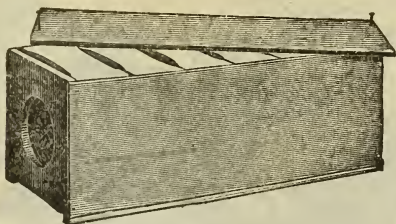
Plain.

1½x17½ inches, per 100.....\$1.55

Slotted.

1 7/8x18 1/8 inches, per 100 1.55
 1 ¾x18 1/8 inches, per 100 1.55
 Bottoms only, per 10075

D SECTION CASE.

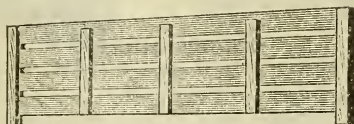


Complete with sections and starters, 12c; 10 for \$1.00. In flat, no sections or starters, 5c; 10 for 40c.

SAWED WOOD SEPARATORS.

Slotted, sawed, 4 1/2 x 18, per 100, 75c; per 1000, \$7.

FENCE SEPARATORS.



I. Fence.—Used in deep super with 3 5/8 x 5 x 1 1/2 plain sections.

P. Fence.—Used with Dov. super with plain section-holders and 4 1/4 x 4 1/4 plain sections.

S. Fence.—Used with plain 4 1/4 sections in slotted section-holders. Per 100, \$1.50.

DOVETAILED SUPER WITH PLAIN SECTION AND FENCE.

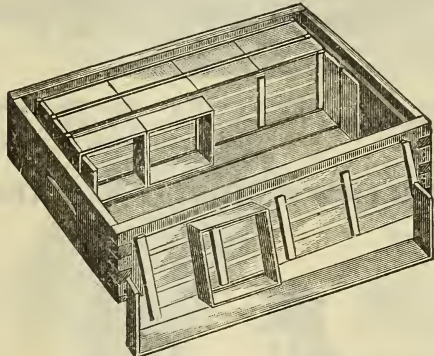


Fig. 8 1/2.—Designated as P.

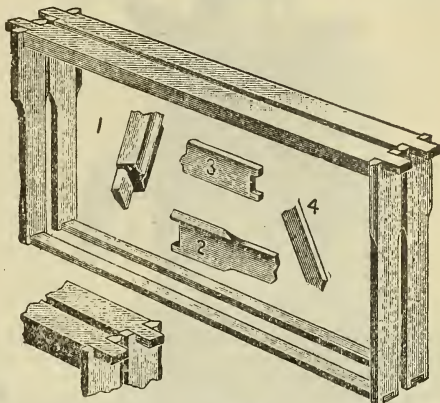
This is the same super we have sold for years, only it is adapted to receive the new fences and plain sections. These latter are 4 1/4 inches square and 1 1/2 inches wide, and this width will hold just as much honey exactly as the old two-bee-way section, 1 1/2-inch.

The fence is made up of four horizontal slats 7/8 inch wide, 1-12 of an inch thick, and long enough to reach into grooves in the end cleats. Six cleats 2-12 of an inch thick, and 1/2 inch wide, including the end cleats, are glued on at our factory by automatic machinery, much more cheaply and accurately than it can be done by hand. The cleats, it will be observed, do not reach quite to the top of the fence. The object of dropping them down thus is to give the bees passageways around the corners of the sections, thus doing away, to a considerable extent, with holes in the corners of the sections.

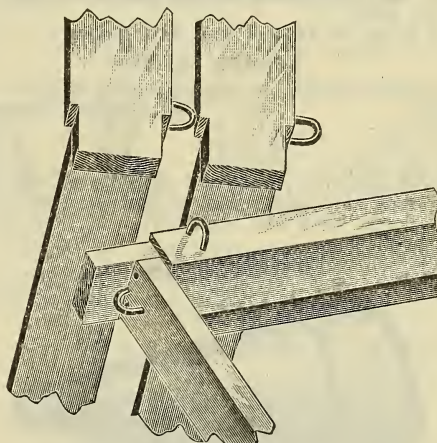
The section-holders are the same width as the sections (1 1/2 inches), and, like them, have no bee-ways or awkward scorings in the bottom-bars. The ends are only 1/4 inch thick (instead of 9-16, as were the old ones), leaving a bee-space between them and the end of the super. To prevent end play, a wedge-shaped strip at the bottom secures the holders to the proper position.

Instead of making use of a follower we use a fence on each outside row of sections, thus in a measure carrying out the Pettit system of producing comb honey, the special feature of which consists in having the outside rows of sections as well filled out as those in the center. When the last fence is in, the whole is wedged up with a thin, wide strip.

HOFFMAN FRAMES.



SELF-SPACING HOFFMAN FRAMES.



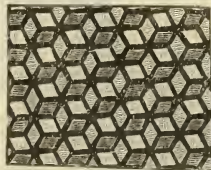
STAPLE-SPACED, THICK-TOP HOFFMAN FRAMES.

To replace the old style thick top.

	10	100
Thick Top	\$.25	\$2.00
Self-Spacing .....	.25	2.15
Shallow Extracting .....	.20	1.75
Thick Top, Staple-Spaced .....	.25	2.15

WEED PROCESS FOUNDATION.

Our Wax is **ABSOLUTELY PURE**. Indeed, the new Weed Sheeting Machine refuses to handle even a very small percentage of paraffine mixed in the wax. We guarantee all our foundation to be fully equal to samples in every respect, and invite comparisons with other makes. **SAMPLES FREE.**



	1 lb.	10 lb.
Medium Brood .....	.49c	47c
Light Brood .....	.51c	49c
Thin Surplus .....	.57c	55c
Extra Thin Surplus .....	.60c	58c

Price subject to market changes.
If ordered by mail, add 25c lb. for postage.

We are now paying 25c. per pound, in trade, for clean beeswax, delivered at our store. Price subject to market changes.



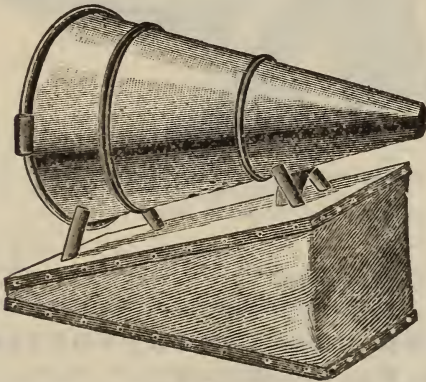
BEE VEILS.

- No. 1, made entirely of silk tulle, 80c.
 - No. 2, cotton tulle, silk face, 50c.
 - No. 3, cotton tulle throughout, 40c.
 - Globe Veils, \$1.00.
- The silk in these veils is so fine that eight yards weighs only one ounce, and is almost invisible before the eyes.
- Silk tulle, for face of veil, 9x12 inches, 10c.

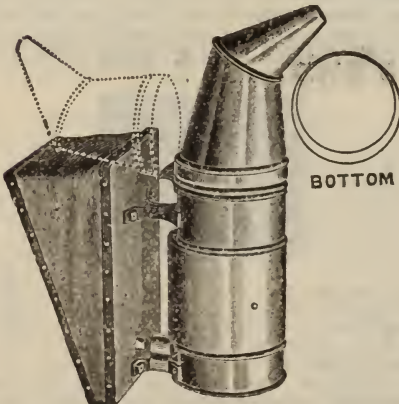
RUBBER GLOVES.

- To protect the hands while handling bees.
- | Kind. | Size. | Price per pair. | Postage. |
|----------------|----------|-----------------|----------|
| Ladies' size | 6 to 9 | \$1.35 | 5 cents |
| Gents' size | 10 to 11 | 1.50 | 6 cents |
| Long and large | 12 to 14 | 2.00 | 10 cents |
- Remember that rubber gloves must be two sizes larger than kid gloves; that is, if a No. 7 kid glove fits you, you need No. 9 rubber.

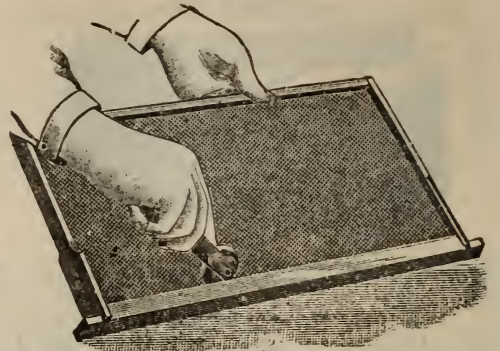
SMOKERS.



- | | Mail. | Express. |
|-------|-------|----------|
| Clark | Each. | Each. |
| Clark | \$.75 | \$.60 |



- | | Mail. | Express. |
|---------|-------|----------|
| | Each. | Each. |
| Crane | 1.80 | 1.50 |
| Corneil | 1.20 | 1.00 |

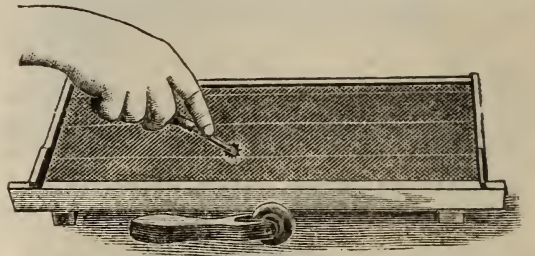


DAISY FOUNDATION ROLLER.

15c; by mail, 18c.

BLOOD'S ROLLER.

15c; by mail, 18c.



SPUR WIRE-IMBEDDER.

This is like a tracing wheel, with the teeth set so as to straddle the wire while imbedding it.

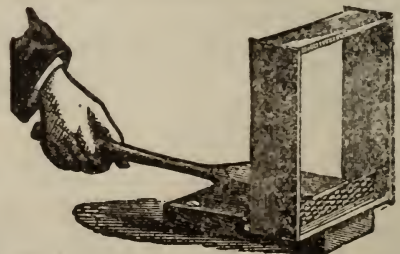
15c; by mail, 18c.

HUBBARD'S SECTION PRESS.

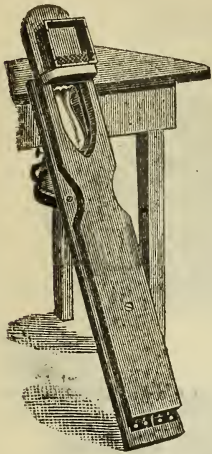


Price, \$3.00

PARKER'S FOUNDATION FASTENER.



Price, 25c; by mail, 40c.



DAISY FOUNDATION FASTENER.

Price, with lamp\$1.25
 Price, without lamp... .95
 Weight without lamp, 5 lbs.

This is the best for putting starters into sections. Nothing could be more simple or more easily operated than this machine; and we are sure it will put starters in better and faster than any machine before produced. With this, a boy or girl will put starters in about 500 sections per hour, and do it nicer than any of the presser machines we formerly sold. Complete directions accompany each machine.

BEE ENTRANCE GUARDS.

These are to admit workers, but exclude drones. After the drones are all out, fix the guards over the entrance, and at night the drones can be destroyed. 10c; by mail, 15c; 10 for 75c.

ALLEY'S QUEEN AND DRONE TRAP.

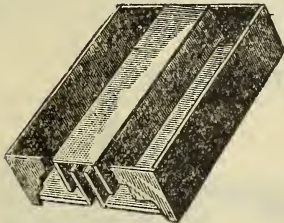
50c; by mail, 15c each extra.

BEE FEEDERS.



SIMPLICITY.

Each, 10c; 10 for 60c.



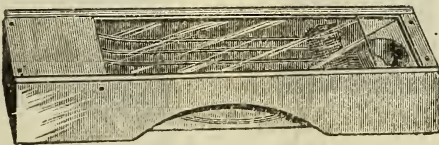
MILLER.

Nailed, 30c; 10 in flat, \$2.50.



BOARDMAN.

20c; 10 for \$1.50.



GRAY SIMPLICITY.

This is a Simplicity feeder, with a glass cover. 15c; 10 for \$1.40.

HONEY KNIVES.



ABBOTT.

Each, 70c; by mail, 80c.



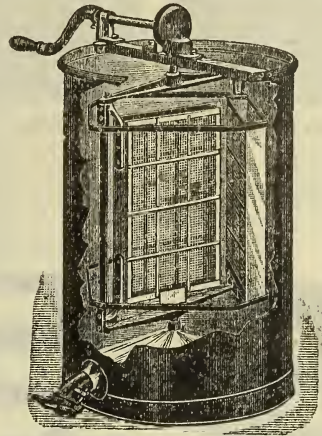
NOVICE.

Each, 75c; by mail, 80c.

BINGHAM.

This is the original wide-blade uncapper. Each, 70c; by mail, 80c.

HONEY EXTRACTORS.



COWAN RAPID REVERSIBLE.

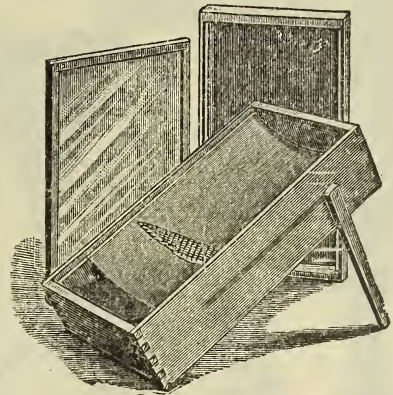
No. 15, 2-frame Cowan for L. frames; diameter of can, 20 inches. \$12.00.

NOVICE.

For those who want the smallest and lightest machine, as well as one moderate in price, this will fill the bill.

No. 5, for L. or Simp. frame, standing on end, or any other frame not over 9½ inches deep or 18½ inches long, top bar 20 inches. \$9.25.

WAX EXTRACTORS.



DOOLITTLE'S SOLAR.

Weight, 30 lbs.\$3.75



ROOT'S IMPROVED "SWISS."

Price, \$2.75; with steam generator, \$3.75.

ROOT'S 35c WAX EXTRACTOR.

This is simply an 8-quart dishpan with a 20c all-metal sieve set in. To use it, pour water in the pan, put your comb in the sieve, and set the whole in the oven. As fast as the wax melts and falls in the water, put more in the sieve.



HONEY BOARDS.—ROOT ZINC.

- | | | |
|------------------------------------|-------|-----|
| No. 1, 10-frame, unbound | Each. | 20c |
| No. 11, 8-frame, unbound | | 20c |
| No. 12, 10-frame, wood bound | | 25c |
| No. 13, 8-frame, wood bound | | 25c |

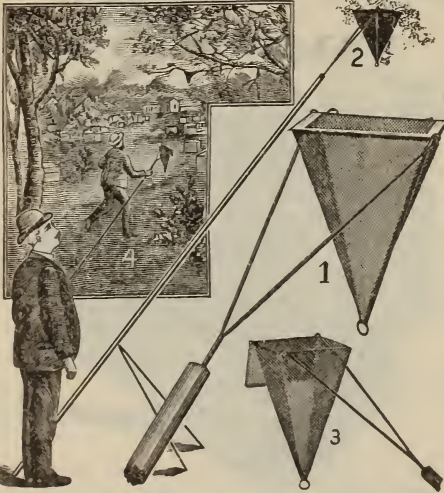
PERFORATED ZINC.



ROOT ZINC.

TINKER ZINC.

This is used between the upper and lower stories to prevent the queen from going above. It is also used in entrance-guards, for queen and drone traps, etc. The size of the perforations in either make of zinc is 17-100. This is found to effectually stop all queens and drones from passing through, but allows the workers to pass easily without hindrance. Zinc strips, Root's, Each, 2c; per 100, \$1.00. Zinc sheets, 28x96 inches, "Root" \$1.50. Zinc sheets, 24x40 inches, "Tinker," 80c.



SWARM CATCHER.

Manum's, with pole, \$1.25; without pole, 85c.



PORTER BEE-ESCAPE.

By mail, 20c; one doz., \$2.25. Mounted, each, 40c.

PORTER HONEY-HOUSE ESCAPE.

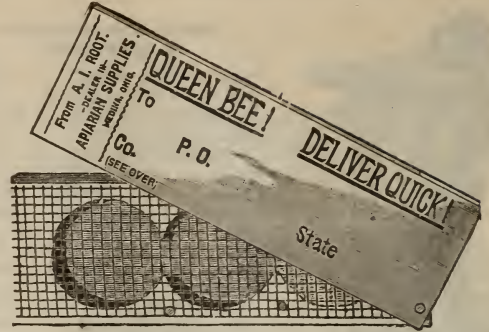
By mail, 35c.

MILLER'S INTRODUCING CAGES.

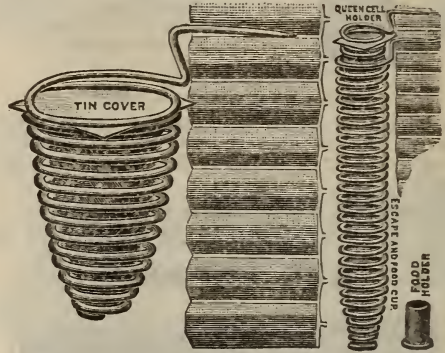
10c.

PAINT FOR HIVES.

Gal., \$1.50; half gal., 80c; qt., 45c; pint, 25c.



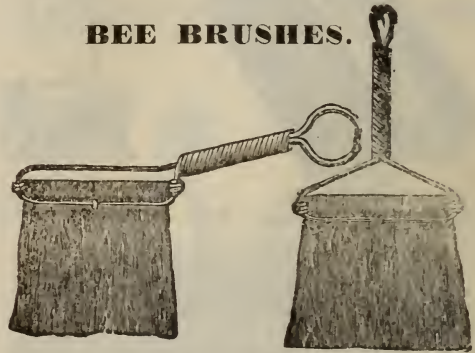
- | | | |
|------------------------------------|-------|-----|
| Benton Queen Cages, no candy | Each. | 10 |
| | | 40c |



QUEEN CELL PROTECTOR. SPIRAL CAGE.

- | | | |
|---------------------------------------|------|--------|
| | Each | 10 |
| West's Queen Cell Protectors | 10c | 50c |
| West's Spiral Cages | 10c | 80c |
| Bee Tent | | \$1.75 |
| Enamel Cloth, 45-inch, per yard | | .25 |
| Enamel Cloth, roll 12 yards | | 2.75 |

BEE BRUSHES.



DAVIS BRUSH.

We much prefer the Cogshall brush, but we can furnish the Davis, either bent or straight handle. Price, each, 15c; postage, 3c each extra.

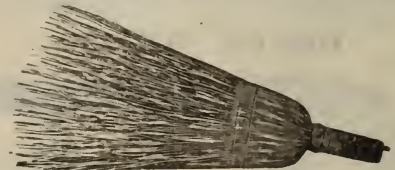


FIG. 80.—COGSHALL'S BEE-BRUSH.

Price, 15c; postpaid, 6c extra. This is a sort of whiskbroom especially adapted and made for brushing bees. The strands are thinned out, and longer, so as to give a soft, pliable sweep to the combs. For the wholesale brushing of bees off combs in extracting, we do not hesitate to pronounce this the best. It is used and recommended by that extensive and practical honey-producer, W. L. Cogshall, whose annual crop is several tons.

HIVE CLAMPS.



VAN DUSEN'S.

Per set, including two screws, 5c; 10 pairs, 35c. No screws, 10 pairs, 30c. By mail, 3c per pair extra.

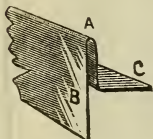
HILL'S DEVICE.

Price, 60c for 10; by mail, 5c extra.



TIN RABBETS FOR HIVES.

These are of folded tin, and are used for frames to rest on. The price as follows: Rabbits for Dov. hive, 12 to 14-inch. \$1.25 per 100.

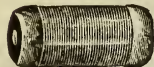


Same style rabbits will fit Simplicity and other similar hives of same style.

Rabbits of other lengths will be 1 1/4c per foot. Rabbits are included with all our hives.

T-Tins, 14 inches and under	100	
T-Tins, over 14 inches up to 16 inches	\$1.25	
T-Tins, over 16 inches up to 20 inches	1.35	
Flat Tins, 14 inches and under	1.60	
Flat Tins, over 14 inches up to 20 inches .....	.50	
Bent staples, about 400 to a pound.		
	3 oz., 10c; lb., 40c.	
	3 oz., 5c; lb., 20c.	

Straight staples,

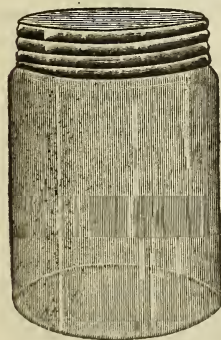


TINNED WIRE.

	Each.	Doz.
1-oz. Spools No. 30 Tinned Wire.....	5c	\$.30
1/4-lb. Spools No. 30 Tinned Wire.....	10c	1.00
1/2-lb. Spools No. 30 Tinned Wire.....	18c	1.60
1-lb. Spools No. 30 Tinned Wire.....	27c	2.50
5-lb. Coils No. 30 Tinned Wire	85c	

SHIPPING CASES. (Non-Drip.)

24-lb. single tier, price, including glass, paper and nails, 10, \$2.00.



GLASS JARS.

While this No. 25 jar is more expensive than a common tin tumbler, it is the nicest package we know of for extracted honey. It is clear flint glass, with glass top and tin screw rim, and rubber ring to seal tight. Packed 12 dozen in a barrel. Per barrel, \$9.00; per dozen, 80c.

TIN PAILS WITH RAISED COVERS.

These are a very satisfactory package for retailing extracted honey. You will observe that they are made with the intention of nesting one in the other. This saves transportation, for they go when thus nested at the same rate as stamped ware.

		Price of		
Size in Quarts.	lbs.	10	50	100
1 quart R. C. pail.....	2 1/2	\$.65	\$3.00	\$ 5.75
2 quart R. C. pail.....	6	.80	3.75	7.25
3 quart R. C. pail.....	9	1.10	5.00	9.50
4 quart R. C. pail.....	12	1.30	6.00	11.50

When equal numbers of the four sizes are ordered, a discount of 5 per cent. from above figures.

All sorts of honey pails can be made to transport liquid honey safely, by pouring in a little beeswax melted with about one-half tallow around the inside edge of the lids, putting on the lid while this is warm. It practically seals the cover.

BOOKS.

Every bee-keeper, and especially a beginner in bee culture, ought to read one or more books of instruction, in order to be successful in this fascinating pursuit.



A B C OF BEE CULTURE, by A. I. Root; a complete cyclopedia of bee culture, of over 400 pages and 300 illustrations. Newly revised. Price, in substantial cloth binding, by mail, \$1.20. If sent by freight or express with other goods, \$1.00.

MANUAL OF THE APIARY, by Prof. A. J. Cook. It is thoroughly practical, and comprises a full delineation of the physiology of the honey bee. New edition, with numerous new illustrations and 50 more pages than heretofore. Price, in cloth, \$1.25 postpaid; by freight or express with other goods, \$1.15.

BEEES AND HONEY, or Management of the Apiary for Pleasure and Profit, by Thos. G. Newman. It is fully up with the times; 200 illustrated pages. Price, in cloth binding, \$1.00.

LANGSTROTH REVISED, by Chas. Dadant & Son. The progress of 30 years. It is an entirely NEW work, and all who have read the former editions want this revision; 550 pages, 16 fine plates, and numerous new engravings. Price in cloth, by mail, \$1.25; if sent by freight or express with other goods, \$1.10.

A YEAR AMONG BEES, by Dr. C. C. Miller. This gives the author's method for making money by bee-keeping, with the least expense. "Simplicity Management." Price, in cloth, 50c.

QUINBY'S NEW BEE-KEEPING, by L. C. Root. A well-prepared volume of over 270 pages and 100 illustrations. Price, in cloth, \$1.50 postpaid; by freight or express with other goods, \$1.35.

ADVANCED BEE CULTURE, by W. Z. Hutchinson. This is the latest work out, and, as its name indicates, advocates the advance stage of bee culture. Price, 50c.

MANURES; HOW TO MAKE AND HOW TO USE THEM, by Frank W. Sempers, Philadelphia. Price, postpaid, paper, 50c; cloth, \$1.00.

WEBB'S CAPE COD CRANBERRIES. 40c.

HOME FLORICULTURE. A valuable work on the cultivation of garden and house plants. By Eben E. Rexford. 12mo, cloth, \$1.50, postpaid.

THE A B C OF STRAWBERRY CULTURE, by T. B. Terry. 150 pages, fully illustrated. Price, 35c; by mail, 5c extra.

TOMATO CULTURE. In three parts. By J. W. Day, D. Cummins, and A. I. Root. A valuable treatise, embracing field culture, forcing under glass, and raising plants for market. 150 pages; illustrated. Price, 35c; by mail, 40c.

A B C OF POTATO CULTURE. This is T. B. Terry's first work. The book has had a large sale. Price, 35c; by mail, 40c.

CELERY FOR PROFIT. An expose of modern methods in growing celery. By T. Greiner. Paper cover, 30c.

TOMATO CULTURE, by J. W. Day, D. Cummins and A. I. Root. 135 pages; illustrated; 35c.

THE NEW ONION CULTURE, by B. T. Greiner. 50c.

FIVE HUNDRED QUESTIONS AND ANSWERS. In Poultry-Keeping.

THE AMERICAN STANDARD OF PERFECTION. This book is the recognized standard work on poultry in this country, and has been adopted by the American Poultry Association. It is handsomely bound in cloth, embellished with title in gold on front cover. \$1.00.

STODDARD'S AN EGG FARM. The management of poultry in large numbers, being a series of articles written for the American Agriculturist. Cloth, 50c.

Gleanings In Bee Culture

In order to become a progressive apiarist and at the same time realize the most money from your bees, you cannot afford to be without a bee journal. **Gleanings in Bee Culture** is a 36-page, illustrated, semi-monthly journal, printed on fine paper, with a tinted cover, and, with the additional matter which has been inserted during the past years, the volumes have aggregated nearly 1,000 pages each. It is devoted to bees, honey and home interests. The whole journal is handsomely illustrated with expensive original engravings. **Price for one year, \$1.00.** A sample sent free on application. For \$2.00 we will send **Gleanings** for one year, and the A B C in cloth, postpaid. For a new subscriber to **Gleanings the A B C** will be included, postpaid, for \$1.75.

...QUALITY...

It is our **Intent**
As well as our **Interest**

To sell only the...

BEST SEEDS.

Give us your confidence
and your orders and we
will do our best to de-
serve both.

REFERENCE TABLES.

Weight of Various Articles.

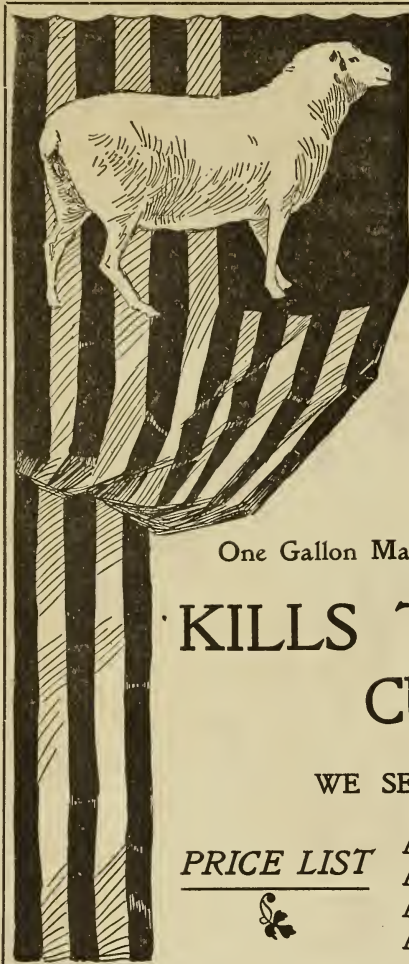
	Per bu.
Apples	48 lbs.
Apples, dried	22 lbs.
Barley	48 lbs.
Beans	60 lbs.
Buckwheat	48 lbs.
Broom Corn	46 lbs.
Blue Grass, Kentucky	14 lbs.
Blue Grass, English	20 lbs.
Bran	20 lbs.
Canary Seed	60 lbs.
Clover Seed	60 lbs.
Corn, shelled	56 lbs.
Corn, on ear	70 lbs.
Corn Meal	50 lbs.
Charcoal	22 lbs.
Cranberries	40 lbs.
Dried Peaches	28 lbs.
Flax Seed	56 lbs.
Fowl Meadow	12 lbs.
Hemp Seed	44 lbs.
Hungarian	48 lbs.
Millet	50 lbs.
Oats	36 lbs.
Onions	54 lbs.
Orchard Grass	14 lbs.
Osage Orange	33 lbs.
Peach Pits	48 lbs.
Peas, smooth	60 lbs.
Peas, wrinkled	56 lbs.
Perennial Rye	20 lbs.
Potatoes, heaping measure	60 lbs.
Rape	50 lbs.
Rye	56 lbs.
Red Top	14 lbs.
Salt, coarse	50 lbs.
Salt, Michigan	56 lbs.
Sweet Potatoes	56 lbs.
Timothy Seed	45 lbs.
Turnips	58 lbs.
Wheat	60 lbs.
Flour, per bbl. net.	196 lbs.
Salt, per bbl.	280 lbs.
WEIGHT PER CUBIC FOOT.	
Hay, well settled.	4½ lbs.
Corn, on cob, in bin.	22 lbs.
Corn, shelled, in bin.	45 lbs.
Wheat, in bin.	48 lbs.
Oats, in bin.	25½ lbs.
Potatoes, in bin.	38½ lbs.

Number of Plants or Trees to the Acre at Given Distances.

No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.	No. plants.	Dis. apart.
43,560	12x12 in.	35x3 in.	58,080	48x36 in.	3,630	12x5 ft.	736
29,040	18x12 in.	36x12 in.	14,520	48x48 in.	2,723	12x12 ft.	302
19,360	18x18 in.	36x18 in.	9,680	60x36 in.	2,901	16x1 ft.	2,722
15,681	20x20 in.	36x24 in.	7,260	60x48 in.	2,173	16x16 ft.	170
15,520	24x18 in.	36x36 in.	4,840	60x60 in.	1,743	18x18 ft.	134
10,890	24x24 in.	42x12 in.	12,446	8x1 ft.	5,445	20x20 ft.	109
34,848	30x6 in.	42x24 in.	6,223	8x3 ft.	1,815	22x22 ft.	90
17,424	30x12 in.	42x36 in.	4,148	8x8 ft.	680	24x24 ft.	76
13,068	30x16 in.	48x12 in.	10,880	10x1 ft.	4,356	25x25 ft.	70
10,454	30x20 in.	48x18 in.	7,790	10x6 ft.	726	28x28 ft.	56
8,712	30x24 in.	48x24 in.	5,445	10x10 ft.	435	30x30 ft.	42
6,970	30x30 in.	48x30 in.	4,356	12x1 ft.	3,630		

Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre.

Quantity per acre.		Quantity per acre.	
Artichoke, 1 oz. to 500 plants.	oz. 6	Grass, Mixed Lawn	bu. 3 to 5
Asparagus, 1 oz. to 800 plants.	lb. 1	Hemp	bu. ½
Asparagus Roots	1000 to 7250	Horse Radish Roots	10,000 to 15,000
Barley	bu. 2½	Kale, 1 oz. to 2000 plants.	oz. 4
Beans, dwarf, 1 pt. to 100 ft. of drill	bu. 1	Kohl Rabi, 1 oz. to 2000 plants.	oz. 4
Beans, pole, 1 pint to 100 hills.	bu. ½	Leek, 1-3 oz. to 100 feet of drill.	lbs. 4
Beet, garden, 1 oz. to 100 ft. of drill	lbs. 7	Lettuce, ¼ oz. to 100 feet of drill.	lbs. 3
Beet, Mangel, 1 oz. to 100 feet of drill	lbs. 5	Martynia, 1 oz. to 100 feet of drill.	lbs. 5
Broccoli, 1 oz. to 2000 plants.	oz. 4	Melon, Musk, 1 oz. to 100 hills.	lbs. 1 to 3
Brussels Sprouts, 1 oz. to 2000 plants	oz. 5	Melon, Water, 4 oz. to 100 hills.	lbs. 1½ to 4
Buckwheat	bu. ½	Nasturtium, 2 oz. to 100 feet of drill	lbs. 15
Cabbage, 1 oz. to 2000 plants.	oz. 4	Okra, 1 oz. to 100 feet of drill.	lbs. 3
Carrot, ¼ oz. to 100 ft. of drill.	lbs. 2½	Onion Seed, 1-3 oz. to 100 feet of drill.	lbs. 4 to 5
Cauliflower, 1 oz. to 2000 plants.	oz. 5	Onion Seed for Sets.	lbs. 40 to 80
Celery, 1 oz. to 10,000 plants.	oz. 2	Onion Seed, 1 quart to 40 feet of drill	bu. 8
Chicory	lbs. 4	Parsnip, ¼ oz. to 100 feet of drill.	lbs. 3
Clover, Alsike and White Dutch.	lbs. 8	Parsley, ¼ oz. to 100 feet of drill.	lbs. 3
Clover, Lucerne	lbs. 15 to 25	Peas, garden, 1 pint to 100 feet of drill	bu. 1 to 3
Clover, Crimson Trefoil.	lbs. 10 to 15	Peas, field	bu. 2
Clover, large Red and medium.	lbs. 8 to 12	Pepper, 1 oz. to 1500 plants.	oz. 3
Collards, 1 oz. to 2000 plants.	oz. 5	Pumpkin, 1-3 quart to 100 hills.	lbs. 3 to 4
Corn, rice (shelled)	qts. 2	Radish, 2-3 oz. to 100 feet of drill.	lbs. 10 to 12
Corn, sweet, ¼ pint to 100 hills.	qts. 6	Rye	bu. 1½
Cress, ¾ oz. to 100 feet of drill.	lbs. 12	Salsify, ¾ oz. to 100 feet of drill.	lbs. 8
Cucumber, 1 oz. to 100 hills.	lbs. 1 to 3	Spinach, ½ oz. to 100 feet of drill.	lbs. 8
Egg Plant, 1 oz. to 2000 plants.	oz. 4	Spurry	lbs. 15
Endive, ¼ oz. to 100 ft. of drill.	lbs. 4½	Summer Savory	lbs. 3½
Flax, broadcast	bu. ½	Sunflower	lbs. 8
Garlic, bulbs, 1 lb. to 10 feet of drill.	bu. 1	Squash, Summer, 4 oz. to 100 hills.	lbs. 2
Gourd, 2 oz. to 100 hills.	bu. 2	Squash, Winter, 8 oz. to 100 hills.	lbs. 2
Grass, Blue, Kentucky	bu. 2	Tomato, 1 oz. to 4500 plants.	oz. 1
Grass, Blue, English	bu. 1	Tobacco, 1 oz. to 15,000 plants.	oz. 1
Grass, Hungarian and Millet.	bu. ½	Turnip, 1 oz. to 250 feet of drill.	lbs. 1 to 3
Grass, Red Top, Fancy Clean.	lbs. 8 to 10	Vetches	bu. 2
Grass, Timothy	bu. ¼		
Grass, Orchard, Perennial Rye, Red Top, Fowl Meadow, and Wood Meadow	bu. 2		



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