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SEED LABORATORY, OREGON

ESTABLISHED 1882

Department of Agriculture



1900

**BUELL**   
**LAMBERSON**  
**SEED STORE**

PORTLAND,  
OREGON.

No. 15



**THIS GENERAL INDEX** refers to Departments where any particular item may be readily found, as goods in different lines are arranged in alphabetical order.

**PLANTS** of all kinds will be found with the seed from which they are grown.

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## YOUR OWN SELECTION

We offer **Vegetable and Flower Seed Packets**, at the following low prices, in quantities:

Make **Your Own Selection** (a ten cent packet counts for two five cent packets.)

**POSTAGE PAID BY US.** Cash with order.

12 packets for 50 cents	-	-	-	-	54 packets for \$2.00
26 packets for \$1.00	-	-	-	-	80 packets for \$3.00

# BEARDLESS BARLEY.

We now offer for the first time the wonderful

## "WASCO BEARDLESS BARLEY"

A farmer who grew the stock for us makes the following statement: "I sowed 20 bushel of this barley on 10 acres and harvested 1026 bushels." This is 102 <sup>6</sup>/<sub>10</sub> bushels per acre.

In addition to its yeilding qualities it is a valuable fodder crop when cut green. It is a great grower, matures the crop early, and stands erect when ordinary kinds blow over and "lodge."

One pound for sample, postpaid	-	-	-	25 cents
Per bushel	-	-	-	\$ 1.50
Per ten bushels	-	-	-	13.50



NEW CENTURY  
SEED CATALOG  
1900

# Buell Lamberson

180-182 Front Street,

Portland, Oregon.

**OUR NEW CENTURY CATALOG** is larger and more complete in every department than ever. It will be mailed to all our old customers and to many thousands of new addresses that have been added to our mailing list in the past year. If you do not need anything now, hang it up for future reference. We get hundreds of orders every season made up from catalogs sent out the year before, and not a year passes that we do not hear from our first catalog.

**THIS IS OUR TRAVELING SALESMAN.** We try to make it represent us in all departments as fully as possible. If you do not see what you want in it drop us a line and we will supplement it with a letter.

Our terms are cash with the order. Prices are attached to each item, so the buyer can tell the amount required. No goods are sent C. O. D.

**PRICES** in this Catalog supersede and cancel all previous quotations. Some of the staple goods are subject to market quotations. We are always pleased to answer letters asking for prices on large quantities.

**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 Seed, in **packets, ounces, quarter-pounds and single pounds,** unless otherwise stated.

# VEGETABLE SEEDS.

## ARTICHOKE.

### LARGE GREEN GLOBE.

The variety used as 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;  $\frac{1}{4}$  lb., 90c.

### WHITE FRENCH 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 White French Artichoke roots will keep from 20 to 30 head of hogs in fine condition from October until April. Lb., 20c; 100 lbs., \$2.50.

## ASPARAGUS.



It is a mistake to suppose that Asparagus is difficult to grow. Seed should be sown as soon in the spring as the soil can be worked into good condition. Pour warm water on the seed, allow it to stand until cool, pour it off, repeat and let it stand 12 or 24 hours. Sow in drills one foot apart and two inches deep. Thin plants to three inches, and transplant in fall, setting plants  $1\frac{1}{2}$  feet apart each way. Cultivate the ground deep, and manure thoroughly. Early in the spring spade in a heavy dressing of fertilizer and one pint of salt to each square of 100 feet, and cultivate thoroughly as long as the plants will permit. Time can be saved by buying roots, but any one can make a bed from seed. One hundred plants will supply an ordinary family.

### COLUMBIAN MAMMOTH WHITE.

Undoubtedly the most valuable variety in cultivation. The stalks are of the largest size, are produced abundantly and very early.

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

### CONOVER'S COLOSSAL.

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

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

### ASPARAGUS PLANTS.

Asparagus plants, 1 year, postpaid, per 100, 50c; 2 years, postpaid, per doz., 25c. For larger quantities, write for quotations.

## 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., \$1.25.

#### 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., \$1.25.

#### 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., \$1.35.

#### GOLDEN WAX.

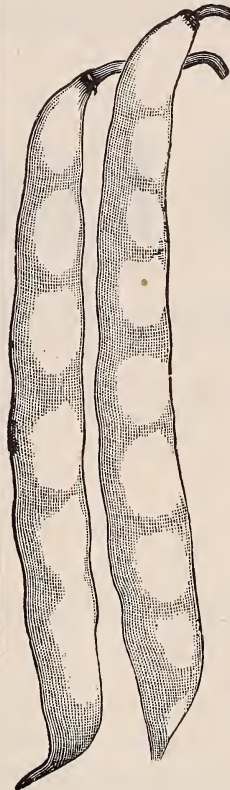
Has been for many years the best bean for general use in cultivation, and even now it is a competitor with the newer sorts for first place. Vines medium size, erect, moderately spreading. Very hardy and productive, with small, smooth leaves, and small, white blossoms. Pkt., 10c; lb., 25c; 10 lbs., \$1.25.

#### DETROIT WAX.

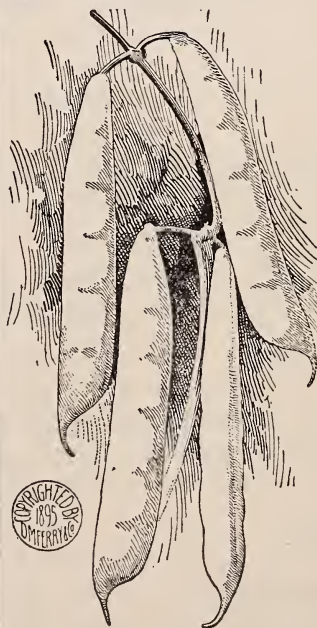
Rust proof. This bean combines hardiness and productiveness with fine quality. A strong growing bush variety, of remarkable vigor and freedom from rust. It sends out short tendrils on which pods are formed in addition to those near the central stock of the plant, which accounts for its wonderful productiveness, amounting under favorable conditions to 100 to 150 fold. Pkt., 10c; lb., 25c; 10 lbs., \$1.25.

#### 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., \$1.25.



WAX.



DETROIT WAX.





**GREEN PODDED VARIETIES.**

**IMPROVED  
GODDARD.**



Vines erect and branching, forming a dwarfed but compact and sturdy bush. Leaves large, bright green, crimped. Pods large, long, flat; green when young; but as the beans become fit for use are beautifully splashed and striped with crimson. Dry beans marked like Dwarf Horticultural, and of the same color, but are longer and larger. Matures crop early and is very prolific. Pkt., 15c; lb., 30c.

Note our offer of reduced price on seed packets in quantities. If you don't want the quantity for your own use, get your neighbors to join you and form a small club.

IMPROVED GODDARD.

**OREGON GREEN PODDED BUSH BEAN.**

(For illustration, see specialties on page 32.)

This new Bean has been well developed by one of our best market gardeners, and has been grown by him for a number of years. It is well represented by the illustration, which shows a long, straight, handsome pod, with speckled beans showing at the lower end. It comes in for a second early, and continues in bearing a long time. The bush is a vigorous grower and a great cropper. Our first planting of 20 pounds produced 418 pounds of fine seed. We offer a **PRIZE OF \$5.00 IN CASH** for a single bush containing the largest number of pods of this new bean, the bush to be delivered at our store when it has come to maturity, but before the vine has withered. Customers who wish to contest must return the seed packet, which will be numbered and recorded at the time of purchase. As this is the first year we have offered the seed, we have a limited quantity, and growers will do well to order early.

Pkt., 20c; ¼ lb., 40c; ½ lb., 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.

**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., \$1.00.

**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., \$1.25.

**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., \$1.25.

**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., \$1.25.



**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., \$1.25.

**ROUND YELLOW SIX WEEKS, IMPROVED  
ROUND POD.**

A first-class string or shell bean.

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

**LONG YELLOW SIX WEEKS.**

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

**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., \$1.00.

**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., 30c; 10 lbs., \$1.50.

**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., 30c; 10 lbs., \$1.50.

**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., 30c; 10 lbs., \$1.50.

**EARLY GOLDEN CLUSTER WAX.**

A well-known early and very beautiful sort. Vines large, vigorous, hardy; pods six to eight inches long, borne in abundant clusters, each containing from three to six pods; color bright golden yellow; of the very best quality.

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

**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., 30c; 10 lbs., \$1.50.

**MAMMOTH PODDED HORTICULTURA L.**

Similar in character to the London Horticultural, but larger in every way. The pods are striped and splashed with crimson. The beans when dry are marked like the pods.

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



### 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.

### 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., 25c.

### 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., 30c.

### DREER'S BUSH LIMA.

A dwarf form of the Challenge Lima, having the same thick pods 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.

### 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 hardest, the earliest and the best quality of any green, podded pole bean. Specially adapted for using green shelled.

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

### DREER'S POLE LIMA.

Thick, and of fine quality.

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

### LARGE WHITE POLE LIMA.

The standard for quality.

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

### 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.

## GARDEN BEETS.

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.

### EARLY TURNIP BASSANO.

Medium early and very productive. Grows to a good size. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

### 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., 60c.

### 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., 60c.

### 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; ¼ lb., 20c; lb., 60c.



EGYPTIAN BLOOD.

### EDMAND'S EARLY BLOOD TURNIP.

This beet of American origin has been brought by careful selection to a uniformly smooth root and small top, making it among the best for table use. Tops, low, small, spreading; leaf stalks and ribs dark red; blade of leaf bright green, and having a markedly wavy edge; roots dark red, interior color purplish red, zoned with a lighter shade. Crisp, tender, sweet and an excellent keeper.

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

### LONG DARK BLOOD, IMPROVED.

A well-known winter sort. Good shape. Sweet and tender.

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

### 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; ¼ lb., 20c; lb., 65c.



NEW HALF LONG BLOOD.

### ORDER EARLY.

As a rule we can fill all orders for seed packets the day received; BUT it is a great accommodation to us to have orders in hand before the rush comes.



### SWISS CHARD, OR SEA KALE.

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

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



## SUGAR BEET.

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.

### 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; ¼ 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; ¼ 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.

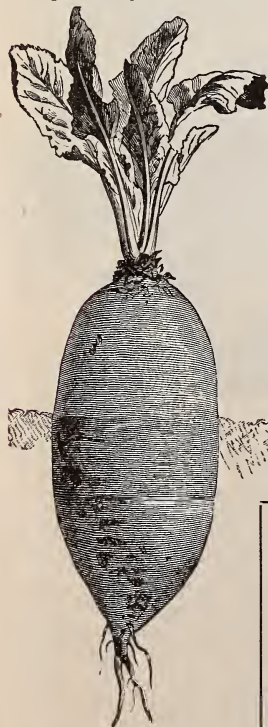
### VILMORIN'S IMPROVED IMPERIAL SUGAR.

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.

## 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.

### 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 largesorts.

Pkt., 5c; ¼ lb., 20c; lb., 50c.

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

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



MAMMOTH LONG RED.

### MAMMOTH LONG RED.

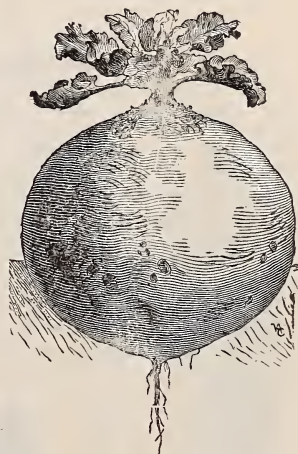
This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 30 pounds. It is the best long red Mangel, and one of the greatest value for stock-feeding. They grow well above ground, and are easily pulled.

Pkt., 5c; ¼ lb., 15c; lb., 40c.

### YELLOW LEVIATHAN.

Roots long, olive-shaped, large, growing over one-half out of the ground. Pkt., 5c; ¼ lb., 15c; lb., 40c.

There is a DIFFERENCE in SEED PACKETS. Some are generous and some are scrimped. Our idea is to put in as many seeds as will supply an ordinary family with all they require of a given kind for the season. Any one buying our packets will find them well filled with good seeds. If he thinks he has good reason for complaint we will thank him to write us.



### ORANGE GLOBE.

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

Pkt., 5c; ¼ lb., 15c; lb., 40c.

## BROCOLI.



Although originating from a very distinct type, the modern improved sorts of Broccoli can scarcely be distinguished from cauliflower; the points of difference being that they are generally taller and the heads are more divided. Some consider it more delicate than the cauliflower. The culture is the same.

### EXTRA LARGE FRENCH WHITE CAPE.

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

### NEW PURPLE CAPE.

Differs from above only in color. Pkt., 5c; oz., 35c.



**BRUSSELS SPROUTS.**

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., 15c; ¼ lb., 40c; lb., \$1.50.

**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.

**DO NOT LET the slugs and lice destroy your cabbages. An intelligent use of tobacco dust or slug shot (or both) will kill the vermin and will not injure the plants.**

**EARLY 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., 20c; ¼ lb., 60c; lb., \$2.00.



JERSEY WAKEFIELD.

**EARLY YORK.**

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

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

**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 DWARF FLAT DUTCH.**

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

**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., 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 WINNIGSTADT.**

Sure to head on all soils. A great favorite with the Germans. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.



HENDERSON'S EARLY SUMMER.

**HENDERSON'S EARLY SUMMER.**

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

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

**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., 20c; ¼ lb., 60c; lb., \$1.75.

**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., 20c; ¼ lb., 60c; lb., \$1.75.

**MARBLEHEAD MAMMOTH DRUMHEAD.**

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

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

**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., 20c; ¼ lb., 60c; lb., \$1.60.

**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., 20c; ¼ lb., 60c; lb., \$1.60.

**LARGE LATE DRUMHEAD.**

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.60.



**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., 20c; ¼ lb., 60c; lb., \$1.60.



**AUTUMN KING, OR WORLD BEATER.**

A sure header, very solid, fine-grained and tender. It grows quicker than any other large cabbage, and will produce more 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., 25c; ¼ lb., 75c; 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., 60c; lb., \$1.75.

**CABBAGE PLANTS.**

		Express.
Early Jersey Wakefield	} .....	100 1000
Henderson's Early Summer		50c \$3.50
Late Flat Dutch	} .....	40c 3.00
World Beater		15c
All kinds, per doz., postpaid		

**CARROTS.**

**EARLY HALF LONG SCARLET (Stump Rooted).**

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

**EARLY SCARLET HORN.**

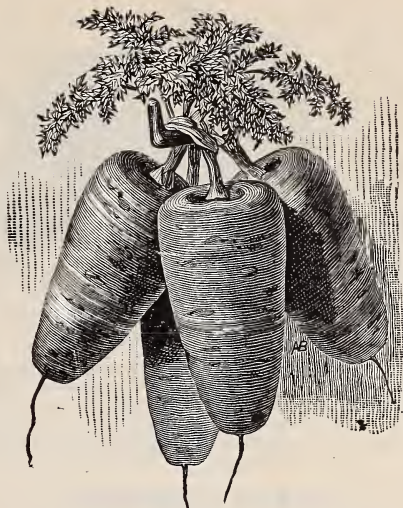
A favorite for early crop. Flesh finely grained and of agreeable flavor; tops small; has a short, stump-shaped root.

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

**LONG ORANGE IMPROVED.**

Very desirable for garden or field culture.

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



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.



DANVERS HALF LONG.

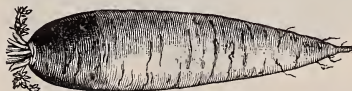
**EARLIEST SHORT HORN, FRENCH (Forcing).**

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.

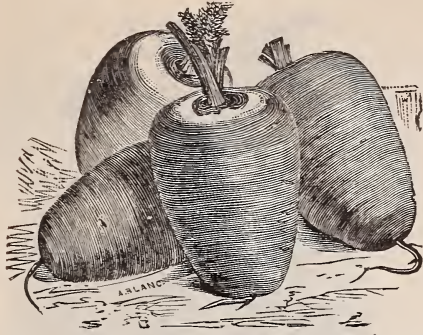


LARGE WHITE BELGIAN.

Roots very large and smooth; grown exclusively for stockfeeding.

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



**GUERANDE, 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.

**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.

**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.

**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.

**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.

**CAULIFLOWER PLANTS.**

Snowball and Extra Early Erfurt.

Per doz., postpaid, 25c.

Per 100, express, \$1.00.

**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., 90c.

**ROSE RIBBED PARIS.**

This sort resembles in general character the Golden Yellow Large Solid, from which it originated, but the plant is more compact, the stalks a little larger and most beautifully tinted with red at the base, while the upper portions, especially of the heart stems, are a richer, deeper yellow. The plant is stout and vigorous and as self-blanching as any variety in cultivation. Pkt., 10c; oz., 50c.

**DWARF WHITE SOLID, OR KALANAZOO.**

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; ¼ lb., 75c.

**GOLDEN HEART, OR GOLDEN DWARF.**

A distinct variety of sturdy, dwarf habit. It is solid, an excellent keeper, and of fine, nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making this an exceedingly showy and desirable variety for both market and private use.

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



**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.

**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.

**CRAWFORD'S HALF DWARF.**

When blanched is of rather yellowish-white color, and is quite solid. It possesses the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing many of the large growing sorts in weight of blanched stalks per plant. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**BOSTON MARKET.**

For many years one of the most popular sorts in the markets of Boston. Instead of a single, large heart, it forms a number of smaller ones, which are very white and remarkably tender and crisp. The best variety for light soils.

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

**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.

**CELERY PLANTS.**

Per doz., postpaid, 20c; per 100, express, 65c; per 1,000, express, \$4.50.

**CHICORY.**

**LARGE ROOTED.**

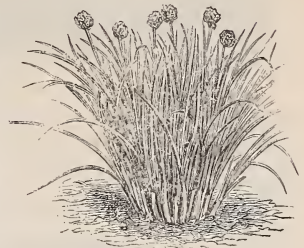
The dried roots are roasted and mixed with coffee, or used as a substitute.

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

**CHIVES. (Schnittlauch.)**

Chives are perfectly hardy perennial plants of the onion type, and are grown exclusively for their small leaves, which are produced freely very early in the spring, for giving a mild onion flavor to various dishes. They are used especially in flavoring the small German sausages. When planted in small clumps in any common garden soil they will grow rapidly, and in time increase so as to render division necessary. The tops appear early in the spring, and can be shorn off close to the ground as needed. If not allowed to flower, they will produce much longer. Grows from roots only.

Per bunch, postpaid, 25c.



**CHERVIL.**

Curled.

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

Pkt., 5c; oz., 15c; 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., 15c; ¼ lb., 30c.

**SWEET OR SUGAR CORN.**

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.

CROSBY'S EARLY.

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

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

**Kendel's Early Giant Sweet Corn**



The above is a cut of the largest EARLY Sweet Corn known. The engraving was made from a photo of ears taken from stalks four to five feet high, growing on the top of a sand knoll, and needs no further explanation, the foot rule telling the story.

It comes in soon after Cory begins, and about the same time as Minnesota; ears eight to ten inches long and white; number of rows varying from ten to sixteen, with the majority twelve; kernels broad, white, sweet, and running well to the tip and of excellent flavor; stalks short, bearing close planting and seeming to throw their whole strength into the ears, of which there are often two on one stalk, making it enormously productive. It was first introduced to the trade in 1897, though in limited quantities.

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





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., \$1.25.



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., \$1.25.



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., \$1.25.



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.

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



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., \$1.25.

**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., \$1.25.

**FERRY'S EARLY EVERGREEN.**

The ears are like the Evergreen, very large, with about eighteen more or less irregular rows and a very long grain, which is of the best quality. It remains in condition for use longer than other sorts, exceeding the Stowell's in this respect. The plant and ear would be pronounced by observers to be a fine stock of the old variety, though fit for use one or two weeks earlier.

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



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., \$1.25.

**FODDER CORN.**

The increased demand for fodder corn of late is an indication that stock and dairy men are learning its value. Our stock of this corn is raised for us by the best grower in Ohio.

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

**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., 90c.

**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., 90c.

**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., 90c.

**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., 90c.

**LEGAL TENDER.**

A large golden yellow "Dent" variety. A strong grower and a good yielder.

Pkt., 10c; lb., 20c; 10 lbs., 90c.

**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., 80c.

**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., 50c.

**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.

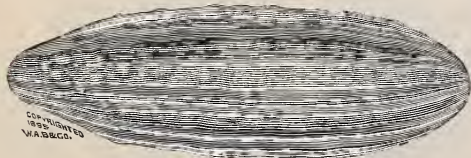


CHICAGO OR WESTERFIELD PICKLING.

**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.

**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.

**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., 60c.



EARLY CLUSTER.

"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 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.

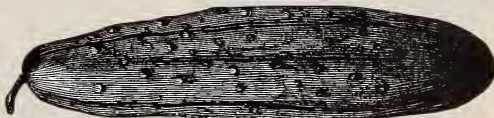
**EARLY WHITE SPINE.**

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.



EARLY WHITE SPINE.



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;

**ENDIVE.**

This is one of the most refreshing of all winter and autumn salads. When full grown tie 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.

**No Credit Memorandums**  
If your remittance is for more than the amount of your purchase we return the balance due you in cash.



WHITE CURLED ENDIVE.

**CHAMPION MOSS CURLED.**

A compact growing, finely cut and much curled variety, of a bright green color. Owing to its fine color and density of foliage, it is much sought after.

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.



**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 hardiest variety; very ornamental, dark green leaves, which blanch to a beautiful white; very tender and crisp.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.35.

**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.**

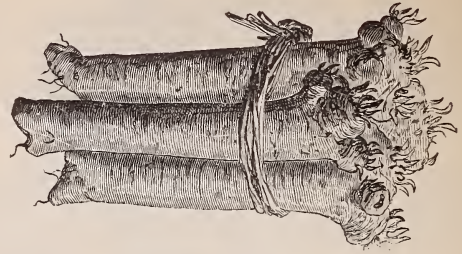
Very handsome; fruit large, round, jet black, and very glossy.

Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

**GARLIC.**

GARLIC.

Garlic is grown from bulbs only. Plant in drills eight inches apart and four inches apart in rows and cover two inches deep. Per lb., postpaid, 30c.

**HORSE RADISH.****HORSE RADISH.**

Horse Radish produces no seed, but is grown from pieces of roots. Grows best in rich, moist ground. Plant cuttings small end down, with tops one to three inches below the surface.

Per doz., postpaid, 25c.

**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.**

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.



KOHL RABI.



**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.

**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.

**LARGE ROUEN.**

Very large. Good for forcing.

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., 15c; ¼ lb., 35c; lb., \$1.00.



EARLY CURLED SIMPSON.

**EARLY CURLED SIMPSON.**

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

Pkt., 5c; oz., 15c; ¼ lb., 35c; 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., 15c; ¼ lb., 35c; lb., \$1.00.



GRAND RAPIDS FORCING.

**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., 35c; lb., \$1.00.

Hot-house Lettuce is a **PAYING CROP.**

It will pay Any Market Gardener To try it.

We can Furnish the Seed.



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., 35c; lb., \$1.00.



**BROWN DUTCH.**

An old sort, noted for its hardness. 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 hardness and fine quality. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



EARLY TENNIS BALL.

**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., 15c; ¼ lb., 35c; lb., \$1.00.

**EARLY WHITE SELF-FOLDING COS.**

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

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.

**MIGNONETTE.****OR SALAD.**

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., 20c;  
¼ lb., 40c.



MIGNONETTE, OR SALAD.

**CORN SALAD, OR FIELD LETTUCE.****CORN SALAD, OR FIELD LETTUCE.**

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.

**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.**

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



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.

**PETOSKY OR PAUL ROSE.**

In this new sort are combined all the good qualities of the Netted Gem and the Osage, the varieties from which it originated. The fruit is oval, about five inches in diameter, and in shape and general appearance similar to the well-known Netted Gem or Rocky Ford. The firm flesh is of a rich, red orange color like that of the Osage, but even sweeter and higher flavored. It is a first-class shipper and just the size for hotel and table use. (For illustration see yellow sheet, page 33.)

Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.



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.



**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 Cantaloupe and the delicious flavor of the American Muskmelon, it is truly cosmopolitan in its character.

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

**M'COTTER'S PRIDE.**

This variety is the result of long-continued skillful breeding and selection with the purpose of securing a very large melon of spherical shape, with flesh of fine grain and high quality. The fruit is very large, nearly round, evenly and moderately ribbed, dark green in color; partially covered with netting. The orange-red flesh is very thick, sweet, and of fine flavor.

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

**ROCKY FORD.**

This has become 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. The Fruit is wonderfully uniform in shape and quality. For illustration and further description see yellow sheet of specialties, page 33.

Pkt.,.....5c  
 Oz.,.....20c  
 ¼ lb.,.....35c  
 Lb.,.....\$1.00



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.

**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.

**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.

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

**WATERMELONS.**

**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.

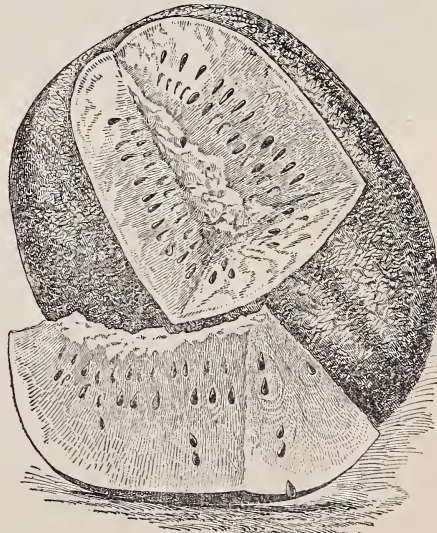


KOLB'S GEM.

**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.



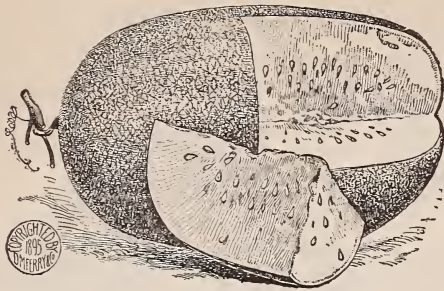
SWEET HEART.

**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.





PEERLESS.

**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.

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

- DARK ICING.
- GYPSY, OR GEORGIA RATTLESNAKE.
- KLECKLEY'S SWEET.
- ROUND LIGHT ICING.
- MOUNTAIN SWEET.

**CITRON.**

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.

Considering the ease with which Mushrooms may be grown, it is strange that they are not as common as beets or turnips. 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.

**DIRECTIONS FOR GROWING.**

Take fresh horse manure, and use nothing but the fine portions of it, shaking out the straw. Mix this with fresh loam, one part loam and two parts manure, and turn every day to keep from burning, until the fiery heat is nearly all out of it. Prepare the bed about four feet wide, and as long as required. Put in the preparation about eight inches deep, making it very solid as it is put in. Let it remain in this condition until the temperature has become reduced to 90 degrees. Make holes two or three inches deep, into which put the spawn, in pieces about as large as an egg, twelve inches apart each way. Cover the spawn and let it remain for eight or ten days. Then cover the whole bed with fine loam to the depth of two inches, making it firm with the back of a shovel or spade. The bed must be in a covered situation, and the prepared soil kept dry from the commencement, and in a dark place, with the temperature about 50 degrees. If everything is favorably done, the mushrooms will appear in from six to eight weeks. After the bed has been spawned, do not water unless quite dry, and when necessary use lukewarm water only.

**FRENCH.**

Three-pound box, postpaid .....\$1.75

**ENGLISH.**

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

**MUSTARD.**

White English .....Oz., 10c; ¼ lb., 15c; lb., 30c  
 Southern Giant Curled....Oz., 10c; ¼ lb., 25c; lb., 70c

**OKRA.**

**WHITE VELVET.**

This variety is a great improvement on the old White or Green. The plant is of medium height, bearing a large crop of white, smooth, tender pods which retain their tenderness until nearly full size.

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

**PERKINS' MAMMOTH LONG POD.**

The plant of this desirable, new variety is very dwarf, but enormously productive. The pods are long, slender, deep green, and remain tender much longer than most sorts.

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 two years past has been short and in some parts the yield was very much below the average. In consequence of this all seedsmen are compelled to make large advances. Our seed is all fresh and of finest quality.

**ONIONS.**

Soil.—Onions do the best upon a light loamy soil, and one that has been kept free from weeds by careful culture. They can be grown a number of years on the same land if properly fertilized. Onions thrive well on soil which contains much humus, and which is consequently retentive of moisture. Muck soils are often selected for onion farms. Commercial fertilizers are better for onions than animal manures, since the former contain no seed-producing weeds. Use, per acre, 1,500 pounds of a fertilizer containing:

- Available phosphoric acid .....6 per cent.
- Potash .....7 per cent.
- Nitrogen .....4 per cent.

If the onion farm is located on muck soil, a maximum quantity of phosphoric acid and potash should be applied, and only a small amount of nitrogen, because such soils are rich in the later and poor in the former ingredients. Too much nitrogen will also retard the ripening and curing.



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., 60c; lb., \$2.00.

**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 is the case with American onions.

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



**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., 60c; lb., \$1.75.

**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., \$2.25.

**YELLOW DANVERS.**

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



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., 20c; ¼ lb. 50c; lb., \$1.60.

**AUSTRALIAN BROWN—New.**

This Onion resembles the Oregon Yellow Danvers in general appearance, but has a clear amber-brown skin that attracts buyers. It matures early, ripens uniformly, and will keep in good condition longer than any other onion. Pkt., 10c; oz., 25c; ¼ lb. 50c; lb., \$1.75.



QUEEN.

**POTASH**

Is the principal ingredient in onion fertilizers. We carry a large stock of Muriate of Potash, Sulphate of Potash, and Kainet, and will sell at importers' prices. Correspondence solicited. Pamphlet free for the asking.

**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., 80c; lb., \$2.50.



YELLOW GLOBE DANVERS.

**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., 25c; ¼ lb., 75c; lb., \$2.50.



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., 25c; ¼ lb., 75c; lb., \$2.00.

**WHITE PORTUGAL, OR AMERICAN SIVERSKIN.**

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.

**ONION SETS.**

Bottom sets, per lb., postpaid, 25c.

Top sets, per lb., postpaid, 25c.

If shipped by freight or express, deduct 10c per lb.

It is our intention to send this catalogue to every farmhouse in the Pacific Northwest, and we will thank our friends if they will send us names of their neighbors who do not receive a copy this season.

**YELLOW GLOBE DANVERS.**

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

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

It COSTS as much to cultivate the ground for a small crop as a large one, so it is economy to buy the BEST seeds.





PARSNIP.

**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, OR GUERNSEY.**

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.

Our MAIL ORDER BUSINESS reaches out to all farming districts within 500 miles of Portland. There is no good reason why it should not reach twice or three times as far. Send us the names of your farmer friends in any part of the country and we will mail a copy of this catalogue.

**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 CURLED 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.

**CHAMPION MOSS CURLED.**

A compact growing, finely cut and much curled variety, of a bright green color.

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

**CARTER'S FERN LEAF.**

The leaves are finely cut and give the plants a feathery and fern-like appearance.

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



CAYENNE.

**PEPPER.**

**CAYENNE.**

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

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.

**LARGE BELL, OR BULL NOSE.**

A very large sort, of inverted bell shape, suitable for filling or for a mixed pickles. 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.

**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.

**PEPPER PLANTS.**

Cayenne or Bull Nose, per doz., postpaid, 25c; per 100, express, \$1.00.

**PEAS.**

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.

**EXTRA EARLY VARIETIES.**

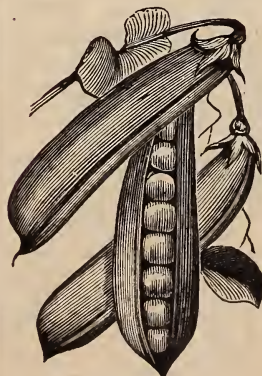
**NOTT'S EXCELSIOR.**

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.



NOTT'S EXCELSIOR.

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



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



**GRADUS (New).**

(For illustration see yellow sheet, page 35.)

A new extra early Pea. The vine of this most distinct sort is like First and Best, except that it grows a little taller and produces peas fit for use a few days later. The immense pods are as large as those of the Telephone, uniformly well-shaped and handsome, and more attractive than any other first early. They ripen slowly, and continue fit for use much longer than most varieties, making it a very desirable sort for the home garden. The peas are very large, of splendid quality and beautiful color, which they retain after cooking.

Pkt., 15c; ½ lb., 35c; lb., 50c.

**AMERICAN WONDER.**

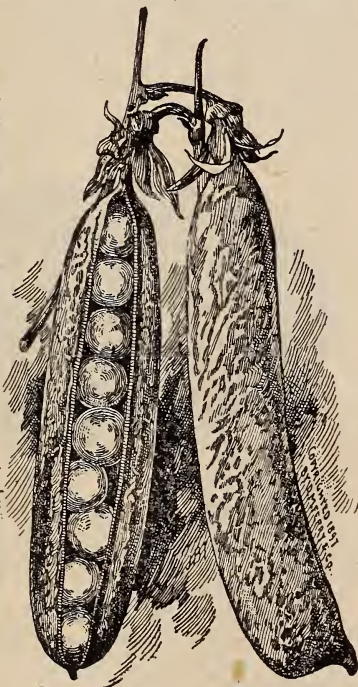
The earliest and best of the wrinkled sorts. A great favorite for family use.

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

**IMPROVED ALPHA.**

A tall growing, wrinkled pea, almost as early as the American Wonder. Vines about three feet high, slender, mostly unbranched, and bearing five to ten medium sized, slightly curved pods, each containing four to eight medium-sized peas, which are exceedingly sweet and tender. We offer a very superior strain of this sort, and recommend it as the best in quality of any tall early pea, and especially adapted to the home garden.

Pkt., 10c; ½ lb., 25c; lb., 40c.



IMPROVED ALPHA.

**FIRST AND BEST.**

Vines vigorous and hardy; 2 to 2½ feet high. Smooth, 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, wrinkled dwarf variety, growing about 15 to 18 inches high; extra sweet, sugary, and of the most delicious flavor.

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

**PREMIUM GEM.**

Wrinkled, grows a little larger than American Wonder; almost as early.

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



PREMIUM GEM.

**SECOND EARLY PEAS.**

**BLISS EVERBEARING.**

A wrinkled 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., \$1.25.

**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., \$1.25.

**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., \$1.25.

**TELEPHONE.**

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

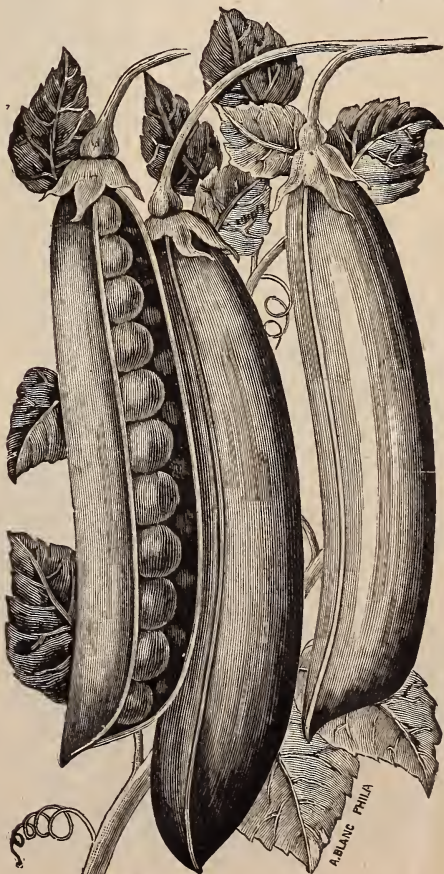
Pkt., 10c; lb., 25c; 10 lbs., \$1.25.

**LATE PEAS.**

**CHAMPION OF ENGLAND.**

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

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



IMPROVED STRATAGEM.



**IMPROVED STRATAGEM.**

One of the best of the large-podded peas; the pods are of immense size, filled with large, dark-green wrinkled 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., \$1.25.

**YORKSHIRE HERO.**

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

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

**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.

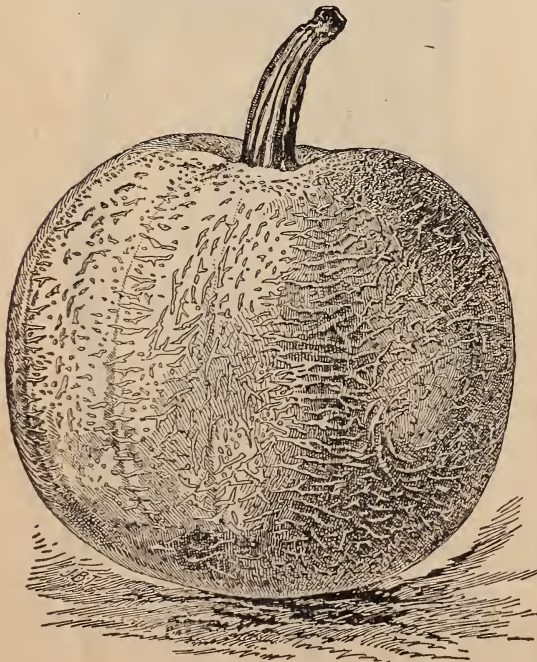


MELTING SUGAR.

**FIELD PEAS.**

See Page 30.

The crop of peas of all kinds is short, and prices can only be made at date of order. Write for quotations when wanted.

**PUMPKIN.**

NEW PIE.

**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.

**CUSHAW OR CROOKNECK.**

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

**LARGE YELLOW.**

Standard for field culture.

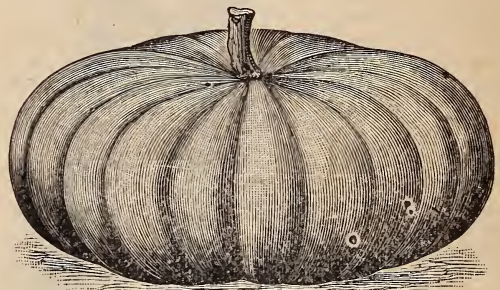
Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c.

**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.

A local paper says: N. B. Harvey, of Portland, made a hit raising pumpkins. He planted a three-acre tract with seed obtained from Buell Lamberson, being of the variety catalogued as the "New Pie." An enormous crop resulted. As near as Mr. Harvey can ascertain, 20,000 pumpkins matured on the three acres. The rich and attractive appearance of the pumpkins has made them good sellers, and Mr. Harvey is disposing of them rapidly at the rate of 75 cents per dozen.



SWEET CHEESE.

**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.

"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.

**NOX 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.



**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 TIPPED.

**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.

**EARLY SCARLET TURNIP. WHITE TIPPED.**

A handsome, very early, round sort; skin bright scarlet on top, and shading to white on the bottom; crisp and fine; very popular.

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

**EARLY SCARLET WHITE TIPPED (Forcing).**

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



FRENCH BREAKFAST.

**WHITE STRASBURG**

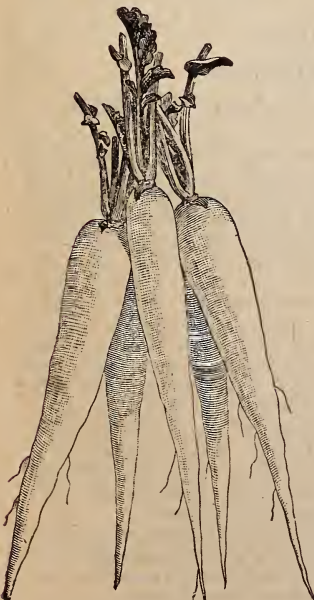
This grows to the largest size, and is usable when quite small, thus covering a long season. The mature roots are 4 to 5 inches long and about two inches thick; very white; the flesh is exceedingly crisp and tender. One of the best of the large summer sorts.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

**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., 25c; lb., 65c.



WHITE VIENNA.

**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., 25c; lb., 65c.



ROUND BLACK SPANISH.

**ROUND BLACK SPANISH.**

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

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

**ROUND BLACK SPANISH.**

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

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

**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.

**SAGE.**



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 average about 4 inches in length and 1¼ inches wide, and of unusual substance. Strong in flavor and of superior quality. A single plant will yield more than a dozen plants of the common sort. IT NEVER SEEDS.

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

**\$5.00.** We offer a cash prize for the largest bunch of our new bean.

SEE YELLOW SHEET, PAGE 34.



## 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 is in every way superior to the old sort, being larger, stronger-growing, and less liable to branch. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25

### 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., 50c.

### LONG STANDING PRICKLY.

Plants mature later than the round-leaved sorts. Has prickly seed.

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

### VICTORIA.

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

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

### PRICKLY WINTER.

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

## SQUASH.



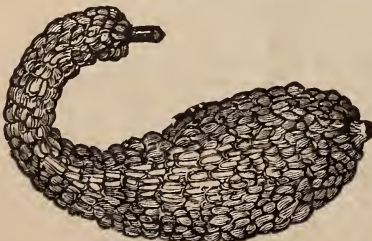
BUSH SCALLOP.  
YELLOW BUSH SCALLOPED.

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

### MAMMOTH WHITE BUSH SCALLOPED.

The best summer sort for the market.

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



CROOKNECK.

### MAMMOTH SUMMER CROOKNECK.

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

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

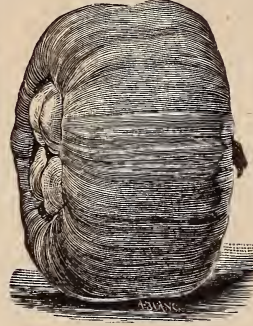
## WHITE SUMMER CROOKNECK.

The fruit is similar in size and shape to the Summer Crookneck, but of a beautiful ivory white color and unsurpassed quality.

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.

## VEGETABLE MARROW

Skin greenish yellow; flesh white, soft and of rich flavor.

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



HUBBARD.

## HUBBARD.

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

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

# Oregon Hubbard

## Long Keeper Great Producer Thoroughly Acclimated

The story of our Oregon Hubbard Squash.—Three years ago we bought from a grower a quantity of seed taken from selected squashes grown from genuine Gregory seed—a small quantity selected from a field of ten acres. In our next catalog we offered a prize for the largest specimen grown from this selected seed, and the result was a collection of the largest Hubbard squashes ever seen in this section. The prize winner weighed 33 lbs., and the smallest one 20 lbs. The ten largest made an average of 28 lbs. We saved the seed and again offered a prize for the largest specimen. The contest brought out larger squashes than before, and all true to the Hubbard type, as we understand it. THE LARGEST WEIGHED 43 15-16 AND THE SMALLEST 22 1-16. This is the seed we now offer as our improved Oregon Hubbard.

We have a limited quantity to offer, and when it is gone will be obliged to decline further orders. Money received after this stock is exhausted will be returned to the sender.

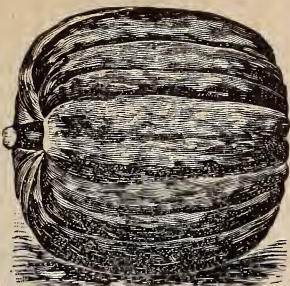
Pkt., 25c.



**MAMMOTH CHILI.**

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.



CHILI.

**GOLDEN HUBBARD.**

A distinct novelty of very decided merit. For illustration and further description, see yellow sheet page 35. Pkt., 10c; oz., 15c; 1-4 lb., 35c.

**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.

**SUNFLOWER.**

**SUNFLOWER, LARGE RUSSIAN.**

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

**TOBACCO.**

**HAVANA.**

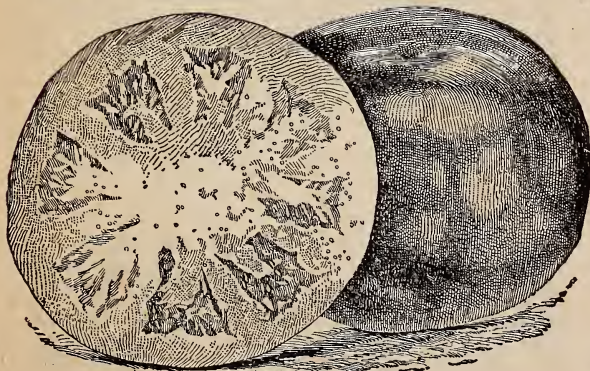
Pkt., 5c; oz., 35c; ¼ lb., \$1.00.

**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 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.

**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.

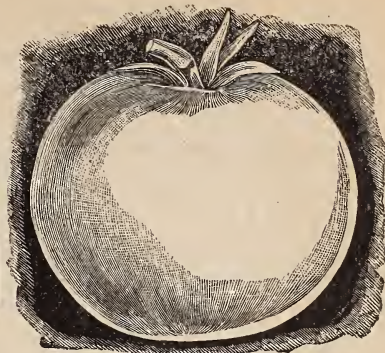
**BRILL'S EXTRA EARLY.**

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

**"SLUG SHOT"**

Is good on Currants, Cabbage, Tomatoes And House Plants.

So says a Customer.



GOLDEN QUEEN.

**GOLDEN QUEEN.**

A first-class large, smooth yellow Tomato.

Pkt., 5c; oz., 25c; ¼ lb., 75c.



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.

**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.

**LIVINGSTON'S HONOR BRIGHT.**

One of the best shippers known. The fruit ripens slowly. The flesh is firm and solid.

Pkt., 10c; oz., 25c; ¼ lb., 75c.

**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; ¼ lb., \$1.00; lb., \$3.50.

**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., 60c; 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.**

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

**THE 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. There are very many good kinds. If in doubt, buy the 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, and it proves to be one of the best varieties for forcing. Fruit, medium size, oval, very smooth, and of exceedingly bright crimson color. One of the best for home use, market or canning.

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

**LIVINGSTON'S PERFECTION.**

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.**

Liked by many for preserves and for eating out of hand. Pkt., 5c; oz., 30c; ¼ lb., 85c.

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.

**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.**

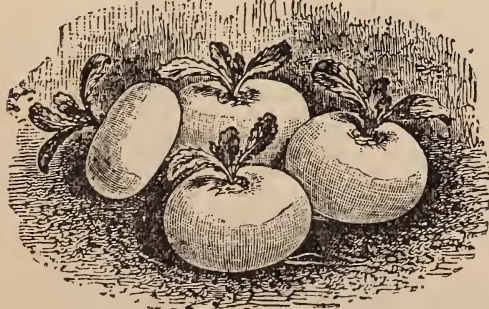
A very popular sort for the table or market. Grows quickly. Mild flavor and excellent quality.

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.



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.

**PURPLE-TOP YELLOW ABERDEEN.**

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

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

**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.

Farm manures which have lain in the open yards, or have been heated, and which have to be drawn long distances, are far **MORE EXPENSIVE THAN THE HIGH-GRADE COMMERCIAL FERTILIZERS.**

**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.

**COWHORN.**

Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in Oregon, as it is an immense yielder.

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

**SCARLET KASHMYR.**

The outer skin of this novelty is a bright scarlet and the general appearance is more of a radish than turnip. The roots are handsome, flat, perfectly smooth, and have a very small tap root. The flesh is white, tender, and of good flavor.

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

**OUR FERTILIZERS** restore the plant food withdrawn by the crop, and if applied regularly will improve the soil from year to year.

**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.





PURPLE-TOP YELLOW.

**A FARMER**  
Writes as follows:  
"To raise turnips, radishes and such plants, dust the rows with **SLUG SHOT** just before they come up, and you won't blame the seedsman for bad seed."

**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.  
**MONARCH, OR TANKARD.**  
This is a yellow-fleshed sort, having very large tankard-shaped roots; flesh very solid, fine-grained, of fine flavor; grows well out of ground and yields large crops. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**WHY** does our mail order business exceed that of any other seed house in this section?  
WE cultivate this branch and send out a large and fully illustrated catalog free to all enquirers.  
WE fill orders promptly and to the satisfaction of all.  
WE return money sent in excess of order.

## 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. Prices include postage. If ordered by express, deduct 10c per lb.

**ANISE.**  
For garnishing and flavoring. Pkt., 5c; oz., 10c.  
Anise seed for flavoring. Oz., 10c; ¼ lb., 20c; lb., 50c.

**\*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.



CORIANDER.  
CORIANDER.

Grown for its seed, also for garnishing. Pkt., 5c; oz., 10c.  
Coriander, for flavoring. Lb., 50c.

**\*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.

**CELERY.** Per lb., 40c.

**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.  
Fennel, for flavoring. Lb., 50c.

**\*HOREHOUND.** 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.



SWEET MARJORAM





SAGE.

**\*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.

**\*ROSEMARY.**

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

**\*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.

**\*RUE.**

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



SUMMER SAVORY.

# 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. Grass and clover seed **FLUCTUATE** in PRICE from season to season and there are times when there is a steady movement up or down in prices. On this account it will not do to depend on catalogue prices for any length of time after publication. We will fill all open orders at market price on the day of shipment, without regard to printed prices. We are always pleased to quote prices on application.



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., 9c.

**RED TOP FANCY.**

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



TIMOTHY.

**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 lbs. per acre if alone, but less if mixed with other grasses. A bushel weighs 45 lbs.

Per lb., 5c.

**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., 9½c.



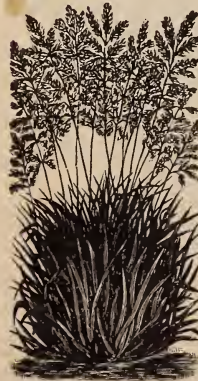
ITALIAN RYE GRASS.

**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 laws. Use three bushels to the acre. A bush weighs 14 lbs. Per lb., 10c.

**KENTUCKY BLUE GRASS, FANCY.**

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



KENTUCKY BLUE GRASS.



**ORCHARD GRASS**  
(*Dactylis glomerata.*)



ORCHARD GRASS.

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., 13½c.

**TALL MEADOW OAT GRASS.**

(*Avena Elatior.*)



TALL MEADOW OAT GRASS.

Sometimes called Lincoln or French Rye Grass. Is a loosely tufted perennial, from 2 to 4 feet high. In California it is spoken of in the highest terms, particularly for its drouth-resisting qualities. It does not form a compact turf, and when sown should be mixed with other grasses. It thrives best on loamy sands or loam, and is best sown in the spring. Use two bushels per acre. A bushel weighs 14 pounds.

Per lb., 30c.

**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.



JOHNSON GRASS.

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

This 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. Farmers in



BROME GRASS.  
(BROMUS INERMIS.)

Manitoba and the Dakotas have had this grass before them for five or six years, and now are highly enthusiastic as to the possibilities of bromus inermis as a forage plant. The experimental stage with them has passed, and they are satisfied that the plant is all right for their country—and that in time it will be to the semi-arid regions what Blue Grass is to Kentucky. The soil in certain sections of Oregon and Washington is exactly the right kind for bromus inermis, and it should be extensively raised here. Sow 20 lbs. per acre.

Per lb., 18c.

**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., 9c.



ENGLISH RYE GRASS.

**SHEEP'S FESCUE**  
(*Festuca ovina.*)

This is one of 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 lbs. Per lb., 18c.



SHEEP'S FESCUE.



**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., \$1.50.

**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.

**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., 18c.



**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., 14c.

MEADOW FESCUE, OR ENGLISH BLUE GRASS.



**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.

**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.

**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., 30c.

**CRESTED DOG'S TAIL (Cynosurus cristatus).**

A valuable grass for sheep pastures on dry, hard soils and hills. It belongs to the family of lawn grasses. 25 lbs. to the acre. Per lb., 35c; 100 lbs., \$28.00.

**WATER FESCUE (Glyceria fluitans).**

This grass grows naturally in and beside ditches, pools and rivers, and on alluvial freshwater, marshy soils. Generally this grass is eaten with avidity by horses, cattle, sheep and swine. Per lb., 30c.

**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., 9c.

**ANNUAL SWEET VERNAL GRASS (Anthoxanthum odoratum puelli).**  
Its chief merit is the fragrant odor which its leaves emit when partially dried. Weight per bushel, 10 lbs. Per lb., 20c.

**MIXED LAWN GRASS.**  
For dooryards.  
Regular mixture, per lb. ....20c  
Special mixture, per lb. ....25c

**PASTURE MIXTURES.**  
Wet land, per lb. ....12½c  
Upland, per lb. ....15c  
Dry hill land, per lb. ....16c



**MEDIUM RED CLOVER (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., 10½c.





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., 16c.



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., 12c.

**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.

**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., 12c.

**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 2 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., 18c.



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., 12c.

*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.



VETCHES.

**SAND, OR WINTER (*Vicia Villosa*).**

This variety thrives on poor and sandy soils. It is sown 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.



**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 3000 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., 15c.

**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.

Canada ..... Per lb., 5c; 100 lbs., \$2.75  
 Blue Prussian ..... Per lb., 5c; 100 lbs., \$3.00



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 5 cwt. 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; 100 lbs., \$5.00.



MILLET.

**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; 100 lbs., \$5.00.

**GERMAN.**

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; 100 lbs., \$5.00.

**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; 100 lbs., \$5.00.

**MISCELLANEOUS SEEDS.**

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

**BUCKWHEAT.**

Japanese Lb., 5c; 100 lbs., \$4.00  
 Silver Hull Lb., 5c; 100 lbs., \$3.75

**SUNFLOWER.**

Russian Lb., 10c; 3 lbs., 25c.

BARLEY }  
 FLAX }  
 RYE }  
 OATS }

At market prices. Write for quotation.

**BIRD SEEDS.**

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

**LAWN FERTILIZER.**

It is impossible to make a lawn or keep it in order without plenty of fertilizer. Grass is a heavy feeder. When this is better understood there will be fewer brown and rusty lawns. Our Fertilizer is rich in plant food and carries no foul seeds, slugs, bugs or odors. It is not only cheaper, but better than stable manure.

**TRY IT.**



# FLOWER SEEDS.

Our Flower Seed Department is now **MORE COMPLETE THAN EVER**, as will be seen by the following descriptive list.

It is important that the seeds should be good, and we take great pains to send out nothing else. But **SUCCESS DEPENDS** in a great measure on the **GROWER**. This is true of all seeds, but particularly so of flower seeds which are very delicate. Most of the varieties we list are of the hardy kind that can be raised by any one who is willing to follow directions and give them a little time and attention.

The soil best adapted to flowers is a fine, rich, sandy loam, and if powdered charcoal is added it will be better. The preparation of the soil is very important. When seeds are up, give the young shoots plenty of room and a reasonable amount of moisture. Keep the plants in the small boxes till ready to transplant. Don't cover seeds too deep; ordinarily, the diameter of the seed is sufficient. Very fine seeds, such as portulacas, may be pressed into the ground with the palm of the hand.



ACROCLINIUM.  
ACROCLINIUM.

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



ALYSSUM. (SAXATILE).  
ALYSSUM.

A well-known border plant.  
Maritimum, Sweet .....Pkt., 5c  
Maritimum, Little Gem.....Pkt., 5c  
Saxatile, Golden .....Pkt., 5c

**AMARANTUS.**

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



AGROSTEMNIA.

**AGROSTEMNIA (ROSE OF HEAVEN).**

A free flowering bedding plant.  
Rose .....Pkt., 5c  
White .....Pkt., 5c



AGERATUM MEXICANUM.

**AGERATUM MEXICANUM.**

Free flowering, low-growing bedding plant.  
Blue .....Pkt., 5c  
White .....Pkt., 5c



AMMOBIUM

**AMMOBIUM.**

Fine white, everlasting. Alatum Grandiflorum .....Pkt., 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 White .....Pkt., 10c
- Truffaut's Crimson .....Pkt., 10c
- Truffaut's Light Blue.....Pkt., 10c
- Truffaut's Rose .....Pkt., 10c
- Truffaut's Mixed .....Pkt., 10c
- Victoria White .....Pkt., 10c
- Victoria Rose .....Pkt., 10c
- Victoria Scarlet .....Pkt., 10c
- Victoria Violet .....Pkt., 10c
- Victoria Mixed .....Pkt., 10c
- Comet Mixed .....Pkt., 10c
- Semple's White .....Pkt., 5c
- Semple's Pink .....Pkt., 5c
- Semple's Mixed .....Pkt., 5c

**AURICULA (Primula Auricula).**

Beautiful spring blooming flowers.  
Fine mixed .....Pkt., 25c



BACHELOR'S BUTTON.

**BACHELOR'S BUTTON (Centaurea Cyanus).**

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



BALSAMS.

**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

**FRACHYCOMA (Swan River Daisy).**

Pretty flowers for borders and edgings.  
Mixed .....Pkt., 5c

**BROWALLIA.**

Elegant greenhouse annuals. Fine for cutting.  
Elata mixed .....Pkt., 10c

**CANARY BIRD FLOWER.**

A pretty and graceful climber. Pkt., 5c

**CALCEOLARIA PINNATA.**

A very beautiful plant for pot culture. The seeds are small, and require care in starting. See instructions above.

Bright yellow, pkt., 10c.



CALCEOLARIA PINNATA.



CALENDULA.

**CALENDULA (Pot Marigold).**

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

**CALLIOPSIS (Coreopsis).**

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

**CANTERBURY BELLS (Campanula).**

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



CALLIOPSIS.



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 mixed.Pkt., 10c



CANNA.

**\$5.00 CASH PRIZE**  
For largest bush of our new Bean. See page 33.

**CENTAUREA CANDIDISSIMA.**

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



**Rocky Ford Muskmelons.**

The average marketer has begun to distinguish varieties of the cantaloupe. He knows the famous Rocky Ford melon from Osage and the Paul Rose, and he thinks he can distinguish it from the old-fashioned Netted Gem. The Rocky Ford melon is perhaps the most famous of any in the market. It is grown in Otero county, Colorado, near Rocky Ford, on the Arkansas river, where the temperature is hot, the soil is light and the land can be supplied by means of irrigation with an unlimited quantity of water at just the time when the melon plants are most in need of it. Otero county is indeed the hot-bed of Colorado. The Rocky Ford melon is of medium size and roughly netted with green lines. It was first shipped in quantities from Colorado to Chicago about three years ago. Here its fame grew with mushroom rapidity. It was sweet and of excellent flavor, and Chicago having passed favorably upon it, the shipments reached further to the eastward, until the Rocky Ford melon is now the most popular cantaloupe in the markets of Philadelphia, New York and Boston. This success has largely been due to the action of the growers themselves. They have worked together like a trust. Their shipments have all been made by a co-operative association, which has taken particular pains not to overstock any particular market. Indeed, so popular has the melon become that its seeds have been planted in many places throughout the South and even in Texas, and now melons bearing the name Rocky Ford come from many different places, although the only genuine Rock Ford is a product of Colorado.

In 1897, a dealer in New York having a number of Rocky Ford melons left on his hands, sent the seed to a friend in Florida who had just lost his orange crop from freezing. When he came to harvest his crop he found that he had melons literally by the hundreds of thousands, and he cleared \$12,000 from thirty acres.



**ROCKY FORD.  
MUSKMELON.**

(See Page 15.)

Pkt., 5c., Oz., 15c., ¼ lb. 40c., lb. \$1.50.

This wonderful melon comes to great perfection in Idaho, where the conditions are the same as in Colorado. The crop is handled by the Payette Valley Melon Growers' Association.



**PETOSKY or PAUL ROSE  
MUSKMELON.**

(See Page 14.)

This is undoubtedly the finest red-fleshed melon ever grown. The originator says that it brought more per acre when raised for market than any other variety.

Pkt. 5c.; Oz. 15c.; ½ lb. 40c.; lb. \$1.50.

The illustration above was engraved for us from a photograph and represents the melon perfectly. Our seed is from the crop of 1899 and is from one of the best growers in the country.

**EARLY MELONS  
PAY.**

The growth of melons may be greatly stimulated by the use of our fertilizers.

SEE PAGE 56.



# Kendel's Early Giant SWEET CORN.

SEE PAGE 9.



A new candidate for public favor. Has made a good record for three years and promises to be a stayer.

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

# Australian Brown.

SEE PAGE 17.



A good running mate for Oregon Yellow Danvers.

Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

# Oregon Green-Podded Bush Bean.

SEE PAGE 3.



Actual size as drawn from nature for us. A genuine Oregon production. We offer a prize of \$5.00 in cash for the largest bush grown from this seed.

Pkt., 20c;  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 75c.





GRADUS.

# GRADUS

SEE PAGE 19.

One of the  
most  
Desirable  
sorts for  
the  
**HOME  
GARDEN**

Large Pods  
and Splendid  
Quality.

**TRY IT.**

Pkt. 15c; Half lb. 35c; 1b. 50c

All Pea crops are short this season and many dealers are entirely out of this desirable variety. We consider it a piece of great good fortune that we have secured a fairly good stock, but advise our customers to order early if they want a chance to try this wonderful Pea.

## GOLDEN HUBBARD SQUASH.

SEE PAGE 23.

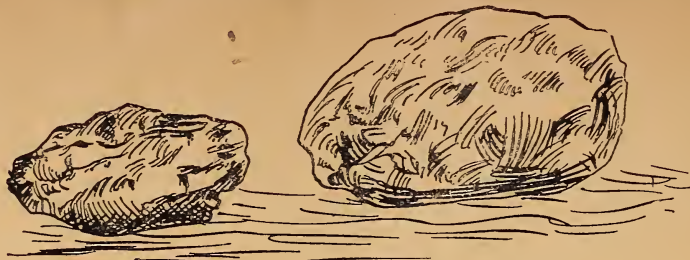
This has all the good qualities of the old warted Hubbard, but ripens earlier. The flesh is a deep Orange. Cooks dry, and fine grained and good flavor.



GOLDEN HUBBARD.

Pkt. 10c; Oz. 15c; ¼ lb. 35c





"FRENCH" PRUNE.

"SUGAR" PRUNE.

The illustration above shows the RELATIVE SIZE when dried, of the "French" and "Sugar" Prune.

We secured, at GREAT EXPENSE, some of the first grafting wood sold by Luther Burbank, and now have a few feet which we offer at a reduced price. Below are a few extracts from reports and letters that will be read with interest.

Following is an accurate description taken from the report of B. M. Long, secretary State Board of Horticulture:

**Sugar Prune.**—An extremely early prune, ripens August 1st; cures superbly rich, with a yellow flesh, tender and rich in sugar juice. Skin very tender, at first of a light purple, tinted with green, changing at maturity to a dark purple, covered with a thick white bloom.

Form ovoid; slightly flattened, measuring five by six and a half inches in circumference. Average size, fifteen to the pound, which is two or three times larger than the French prune.

Fruit stalk short, severs very easily from the stem as the fruit reaches maturity. Pit medium size, flattened, slightly wrinkled and most often separated from the flesh. The skin is so thin or porous that the fruit begins to shrink on the tree fully as soon as ripe.

Tree an unusually vigorous grower and very productive. One pound green fruit makes 7½ ounces when dry. By the usual mode of curing one pound green would probably make one-half pound when cured.

Analysis of the fresh fruit at the University disclosed the fact that it is nearly one-fourth sugar, the exact amount being 23.92 per cent.

August 19, 1898.

Agricultural Experimental Station, F. W. Hilgard,  
Director, Berkeley, Cal.

Determination of sugar in "Sugar" prune; sample sent by Luther Burbank, Esq., Santa Rosa, Cal.

Sample, partially dried, contains total sugar, in whole fresh fruit, per cent. 23.92.

French prune, average sugar, in whole fresh fruit, per cent. 18.53.

All prunes, average sugar, in whole fresh fruit, per cent. 15.35.

GEO. E. COLBY.

Dear Mr. Burbank: You will see above the determination of sugar in your prune. The sample was shriveled a little on receipt, which accounts for the words "partially dried." The sugar percentage on a plump specimen would have been slightly less, probably very slightly.

We have had occasionally a specimen of Prune d'Agen which would go as high in sugar as yours, but they, too, had probably lost some moisture by evaporation. The analysis shows that you can safely expect your prune to equal the very best (or rather the very highest sugar) the French has ever shown, and this, in connection with size, is something which I believe no other prune has ever shown.

I must congratulate you most heartily upon this creation. Sincerely,

E. J. WICKSON.

The new prune you sent me came on August 9th. It is very large, very sweet, and fully ripe for drying. The French prune that came with it, grown on the same ground, was quite green yet, and very small.

Your new prune, ripening so early in the season, will be very valuable in localities where the French prune ripens too late for sun-drying.

JOHN ROCK,

Pres. California Nursery Co.

The "Sugar" Prune may and probably will prove hardy and productive wherever the common European plums thrive. As a market, table and dessert fruit its earliness, unusual size, superlative beauty, fragrance, flavor and special nutritive value will make it of priceless value when fresh from the tree, as well as in the form of cured prunes.

Price of Grafting Wood per foot, \$5.00, or three feet for \$10.00.





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.

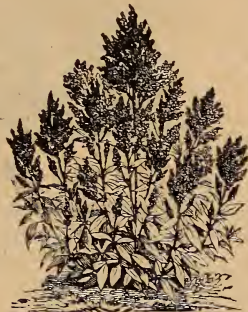
The Margaret varieties bloom the first year from seed, and are suitable for both outdoor and pot culture.

- Double Common ..Pkt., 5c
- Double Extra
- Choice .....Pkt., 10c
- Double Perpetual .Pkt., 25c
- Double Margaret .Pkt., 10c

**HELLEBORE.**  
 Per lb. ....35c  
 Per 1-2 lb. ....20c  
 Per 1-4 lb. ....15c  
 Add 16c lb. for postage.

**CELOSIA.**

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



CELOSIA.

**CHRYSANTHEMUM (Annual).**

The annual chrysanthemums are showy, free bloomers, doing especially well in large beds in the garden. Coronarium Double Mixed . ....Pkt., 5c

Farm manures which have lain in the open yards, or have been heated, and which have to be drawn long distances, are far MORE EXPENSIVE THAN THE HIGH-GRADE COMMERCIAL FERTILIZERS.



CHRYSANTHEMUM.

**CINERARIA, HYBRIDA.**

Among the finest blooming greenhouse plants, of bright, distinct colors. A beautiful but tender plant for greenhouse planting only.

- Single mixed ...Pkt., 5c
- Finest mixed from named flowers .....Pkt., 25c

**CLARKIA.**

Pretty, free flowering plants of the easiest cultivation, the double being especially fine.  
 Single mixed.....Pkt., 5c  
 Double mixed.....Pkt., 5c



CINERARIA.

**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. ....Pkt., 10c
- Minor .....Pkt., 5c



CONVOLVULUS.

**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.

- White .....Pkt., 5c
- Pink .....Pkt., 5c
- Scarlet .....Pkt., 5c
- Mixed .....Pkt., 5c
- Mammoth White .....Pkt., 10c
- Mammoth Pink .....Pkt., 10c
- Mammoth Crimson .....Pkt., 10c
- Mammoth Mixed .....Pkt., 10c



COSMOS.

**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



CYCLAMEN GIGANTEUM.

**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.....Pkt., 5c
- Vulgaris, double 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.**

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



DATURA.

**ECHINOCYSTIS LOBATA (Wild Cucumber).**

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.

**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



A. BLANC. PHILA.

FOXGLOVE.

**FOUR O'CLOCK (Marvel of Peru).**

Having handsome, free-flowering, sweet-scented, various-colored blossoms. Mixed .....Pkt., 5c

**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. Cruciate .....Pkt., 10c

**GEUM.**

Hardy, free-blooming plants. Chilense, 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





HELIOTROPE.

**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

**Tobacco Stems**  
FOR FUMIGATING.  
Lb., 5c; 10lb., 40c.

**Tobacco Dust**  
KILLS ROSE LICE.  
Apply with powder bellows when foliage is moist.  
Lb. 10c; 10 lb., 50c.



HIBISCUS

**HIBISCUS AFRICANUS.**  
Showy annuals of easy culture. Pkt., 5c.

**HELICHRYSUM (Everlastings).**

Highly prized flowers for winter bouquets; blooms large and of bright color.

Bracteatum, Double Mixed..Pkt., 5c  
Monstrum, Double Mixed..Pkt., 5c



HELICHRYSUM.

**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



HOLLYHOCK.

**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  
..... Pkt., 5c



LARKSPUR.

**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.**

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



MARIGOLD.

**MORMORDICA BALSAMINA (Balsam Apple).**

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



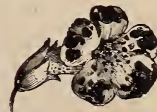
MIGNONETTE.

**MIMULUS MOSCHATUS.**

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

**MIGNONETTE.**

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



MIMULUS.

Try our **PLANT FOOD.**  
1 lb. tin, post-paid ..... 25c  
2 lb. tin, express ..... 25c



**LOBELIA.**

Beautiful bedding and border plants of various colors, fine also for hanging baskets.

- Erinus Gracilis, Blue .....Pkt., 5c
- Erinus Crystallina Palace Compacta, Dark Blue, Fine..... Pkt., 25c
- Erinus Mixed ..... Pkt., 5c



LOBELIA.

**LOVE-IN-A-MIST. (Nigella).**

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



NASTURTIUM.

**NASTURTIUM (Tropaeolum).**

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

The dwarf varieties make fine bedding or border plants.

- Tall Scarlet .....Pkt., 5c
- Tall Crimson .....Pkt., 5c
- Tall Orange .....Pkt., 5c
- Tall Light Yellow .....Pkt., 5c
- Tall Fine Mixed .....Pkt., 5c
- Dwarf Crimson .....Pkt., 5c
- Dwarf Scarlet .....Pkt., 5c
- Dwarf Yellow .....Pkt., 5c
- Dwarf Rose .....Pkt., 5c
- Dwarf White Pearl .....Pkt., 5c
- Dwarf Splendid Mixed .....Pkt., 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 shrubby 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.

**PENTSTEMON.**

Beautiful herbaceous perennials, very hardy and free-flowering.

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

**FERILLA NANKINENSIS.**

Attractive ornamental-leaved plants.

- Pkt., 5c



ODIER.

**PETUNIA.**

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

- Pkt. Hybrida, Single Mixed.. 5c
- Hybrida, Thoburn Superb Giant, Single Mixed..25c
- Hybrida Double Mixed.50c



PETUNIA.

**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, White .....10c
- Grandiflora, Scarlet .....10c
- Grandiflora, Mixed .....10c
- Nana Compacta, Dwarf.10c



PHLOX DRUMMONDI.

**PHLOX PERENNIAL.**

Very fine perennial flowers. Should be in every garden.

- Fine Mixed.....Pkt., 10c

**PHORMIUM TENAX VARIETATA (New Zealand Flax).**

A very handsome variegated plant.

- Pkt., 10c



STAR OF QUEDLINBURG

**PYRETHRUM PARTHENIUM AUREUM. (Golden Feather).**

Beautiful ornamental-leaved plants. Fine for borders.

- Parthenium Aureum .....Pkt., 5c



**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 Mixed .....10c  
 Plumarius Fine Mixed..5c



PINK.



HEDDEWIG'S SINGLE.



POPPIES.



**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 Mixed .....10c  
 Shirley, Best Mixed ...10c  
 Umbrosum, Fine ..... 5c

**PORTULACA. (Rose Moss).**

Unrivalled for the brilliancy and delicacy of their colors. Great favorites everywhere. Pkt.  
 Single Mixed ..... 5c  
 Double Mixed ...10c



PORTULACA.



PRIMULA.

**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  
 Japonica, Mixed .....Pkt., 10c  
 Sinensis Fimbriata, Extra Fine Mixed..Pkt., 25c

**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



SALPIGLOSSIS.



SALVIA.

**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 afterward planted out. Fine, Mixed.Pkt., 5c



SCABIOSA.

**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



## SWEET PEAS.

Our list of Sweet Peas is not the largest, but it is large enough to include all the standard varieties and a majority of the so-called novelties. Our seed comes from one of the largest growers, who is known as a sweet-pea crank, and will not allow an inferior sort on his hundred-acre sweet-pea patch.

Prices, all kinds, except where noted, postpaid:

Pkt., 5c; oz., 10c; 2 ozs., 15c;  $\frac{1}{4}$  lb., 25c; 1b., 75c.

### White—

Blanche Burpee,  
Emily Henderson,  
Mrs. Stanley.

### Yellow—

Golden Gleam,  
Mrs. Eckford,  
Primrose.

### Pink—

Prima Donna,  
Katharine Tracy,  
Mrs. Gladstone.

### Rose—

Ovid,  
Her Majesty,  
Oddity.

### Scarlet—

Brilliant, pkt., 5 oz., 15c.  
Firefly, pkt., 5 oz., 15c.

### Crimson—

Salopian, pkt., 5 oz., 15c.

### Mauve—

Countess of Radnor.

### Blue—

Captain of the Blues.

### Maroon—

Stanley.

### Blendings—

Crown Jewel,  
Venus,  
Peach Blossom,  
Lady Beaconsfield.

### Flaked and Clouded—

Royal Rose,  
Meteor.

### Sufused with Lavender—

Lottie Eckford,  
Golden Gate.

### Contrasting Shades—

Little Dorrit,  
Extra Early Blanche Ferry,  
Blanche Ferry.

### Variegated—

Aurora—orange, rose,  
Mrs. Jos. Chamberlin—rose.  
Ramona—pink,  
America—red and white.

### Mixed—

Eckford's Hybrids.  
Named Varieties,  
Choice Mixed.

### Cupid (Dwarf)—

Pink or White, pkt., 10 oz., 25c.

### EVERLASTING PEAS.

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

### MIXTURES.

For gardeners or others who grow in large quantities.

RAINBOW:  $\frac{1}{4}$  lb. 25c; 1b. \$1.

ECKFORD:  $\frac{1}{4}$  lb. 20c; 1b. 60c.

COMMON:  $\frac{1}{4}$  lb. 15c; 1b. 50c.

### SWEET PEAS.

Your Own Selection.

Our 50-cent collection:

One packet, each — white, yellow, pink, rose, scarlet, blue and variegated, and  $\frac{1}{4}$  lb. Eckford's Finest Mixture, postpaid, on receipt of 50c.



LONG BEACH, Wash., March 5, 1898.—Buell Lamberson Seed Store, Portland, Oregon—Dear Sir: Enclosed please find a small order for sweet peas. Those I got from you last year were excellent, both in growth, bloom and quantity. Many Portland people visiting the beach saw the sweet peas when in bloom, and admired them greatly, and were surprised and pleased when they heard that the seed came from you. They thought, to get good seeds, they had to send East for them. I will send a larger order shortly. Very respectfully,

MRS. HARVEY WOODGATE.





SNAPDRAGON.

**SNAPDRAGON.**  
(*Antirrhinum*).

One of the finest free-blooming perennials, especially good for beds and borders. Pkt.  
Tall Fine Mixed...5c  
Dwarf Fine Mixed...5c

**ROSE LEAF.**

A highly concentrated extract of tobacco; one of the very best insecticides. Pint 30c; qt, 50c. Express only.

**STOCKS.**  
(German Ten Weeks.)

Unsurpassed for beauty and fragrance. Fine for pots, bedding, edgings, etc., blooming all summer. Pkt.  
Dwarf Large Flowering, Mixed...10c  
Dwarf Large Flowering, White...10c

**STOCKS (Winter).**  
Mixed .....Pkt., 10c



STOCKS.



THUNBERGIA.

**THUNBERGIA.**

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



VERBENA HYBRIDA.

**VERBENA HYBRIDA.**

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

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

**VINCA.**

Fine for conservatory, parlor, border or beds. Mixed .....Pkt., 10c



VALERIANA.

**VALERIANA.**

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

Our **LAWN FERTILIZER** is excellent for the flower garden. Plants require the same food as grass. Stable manure is good, but it is full of foul seeds and is in no sense a complete fertilizer.



VIOLET.

**VIRGINIAN STOCK.**

A fine early flowering plant Mixed .....Pkt., 5c

**WALLFLOWER.**

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



WALL FLOWER.

**WHITLAVIA**

**GRANDIFLORA.**

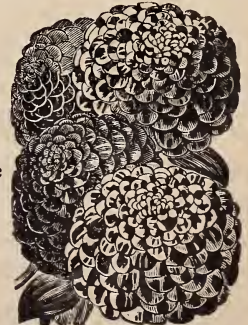
Pretty free-flowering, bell shaped flowers. Purple .....Pkt., 5c

**XERANTHEMUM ANNUM.**

Old favorite everlastings. Mixed .....Pkt., 5c

**ZINNIA ELEGANS.**

Fine bedding and border plants of easiest cultivation, and should be in every collection. Pkt.  
Tall Double Mixed.....5c  
Dwarf Double Mixed.....5c



ZINNIAS.

**ORNAMENTAL GRASSES.**

The following varieties are all fine for winter bouquets or decorations: Pkt.  
Agrostis Nebulosa .....5c  
Briza Gracilis .....5c  
Stipa Pennata (Feather Grass) .....5c  
Gynerium Argenteum (Pampas Grass) .....5c



BRIZA.



**SUNFLOWER (Helianthus).**

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

- Texas Silver Queen .....Pkt., 5c
- Dwarf Double .....Pkt., 5c
- Dwarf Double, Variegated Foliage.....Pkt., 5c
- Flora Pleno Multiflora .....Pkt., 5c
- Large Russian Single .....Pkt., 5c

**SWEET WILLIAM (Dianthus Barbatus).**

A very popular free-flowering plant, producing large heads of beautiful colored flowers.

- Single Mixed .....Pkt., 5c
- Double Mixed .....Pkt., 5c

**VIOLET (Sweet-scented).**

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

- Blue .....Pkt., 10c



**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	\$00.20	\$....	\$....	8-inch.....	.18	1.75	.25	2.60
3-inch.....	.04	.35	.....	.....	9-inch.....	.20	2.25	.30	3.35
4-inch.....	.05	.50	.08	.....	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	1.00	.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 18 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.

**THE BEST TIME TO ORDER ROSES** is from January to June.

For Mildew on Roses, use Hammond's  
**...GRAPE DUST...**  
 Express; 1 lb., 15c; 5-lb. pkg., 50c.

**EIGHT NEW ROSES.**

One size only. Price 20c. each; set of eight sorts, \$1.25.

**CHEVALIER A. FERRARIO.**

Color deep crimson; a remarkably fine red variety.

**CLARA WATSON.**

Salmon and pink; extremely free in bloom; a vigorous grower, with handsome foliage.

**MADAME WAGRAM.**

A rampant grower, with very large, full flowers of a magnificent satin rose color. Extra fine.

**SOUVENIR DE CATHERINE GUILLOT.**

An extra fine novelty, producing a long, pointed bud of the color of the Austrian Copper.

**MADAME JOSEPH COMBET.**

A Hybrid Tea of very strong growth. Beautiful cream-white, tinted rose, with light yellow center.

**MRS. ROBERT GARRETT.**

Color soft rich pink, exquisite odor, very large size, full and particularly beautiful in the bud state. The finest new rose of the year.

**WHITE BOUGERE.**

A free bloomer and clean, healthy grower; flowers of great substance, pure white and borne on stiff stems.

**HELEN GAMBIER.**

A lovely new coppery yellow variety. Strong grower and very free bloomer.

**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.

**CLIMBING KAISERINE.**

Flowers fine ivory white, of heavy texture and largest size.

**NEW JAPANESE TRAILING OR MEMORIAL ROSES.**

15c. each; set of five sorts, 50c.

**MANDA'S TRIUMPH.**

Produces large clusters of well-formed double flowers of pure white, two inches in diameter.

**UNIVERSAL FAVORITE.**

Double flowers of a beautiful rose color, over two inches in diameter.

**SOUTH ORANGE PERFECTION.**

Double flowers about one and a half inches in diameter, soft blush pink at the tips, changing into white.

**PINK ROAMER.**

Single variety; bright, rich pink, with almost white center and orange-red stamens.

**ROSA WICHURIANA.**

The single White Memorial, or Japanese Trailing Rose.



## THE FOUR RAMBLERS.

10c. each; the set of four for 35c.

### CRIMSON RAMBLER.

This is a most decided novelty in roses. The plant is a vigorous grower, making shoots from 8 to 10 feet long in a season. The flowers grow in pyramidal panicles, each carrying 30 to 40 blooms. The color is a bright, vivid crimson.

### 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.

## A SELECT LIST OF EVER-BLOOMING ROSES.

Price 10c. each except where noted; 2-year-old plants, 30c. each. Twelve 1-year-old Roses listed at 10c. each for \$1.00, postpaid. Make your own selections. Prices given are for strong plants, grown in 2½-inch pots.

### BELLE SIEBRECHT.

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

### BRIDESMAID.

A fine, clear, dark pink.

### BOY SILENE.

Color dark, rosy carmine. A general favorite.

### CATHERINE MERMET.

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

### DEVONIENSIS.

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

### 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.

### GOLDEN GATE.

Creamy white; center and base of petals soft, golden yellow, exquisitely bordered with clear 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.

### KAISERIN AUGUSTA VICTORIA.

This is one of the grandest of all roses. A vigorous grower, producing buds and flowers in great profusion; color, ivory white. Each, 15c.

### LA FRANCE.

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

### METEOR.

Remarkably rich, dark, velvety crimson.

### MAURICE ROUVIER.

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

### 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.

### MADAME CAROLINE TESTOUT.

A grand new rose of the La France type, but with flowers larger and finer. Color, bright satiny pink, very fragrant and free in bloom.

### MADAME DE WATVILLE.

Creamy white, each petal edged with pink.

### MADAME ELI LAMBERT.

Creamy white, 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.

### MADAME JOSEPH SCHWARTZ.

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

### MADAME WELCHE.

Deep orange, often shaded reddish copper.

### MARIE VAN HOUTTE.

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

### NIPHETOS.

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

### 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.

### SAPPHO.

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

### SAFRANO.

Bright apricot yellow, tinged orange and fawn.

### SOUVENIR DE LA MALMAISON.

Rich creamy flesh, changing to a lovely fawn.

### RAINEOW.

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

### SUNSET.

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

### THE ERIDE.

The finest white rose ever offered.

### THE QUEEN.

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

### VISCOUNTESS FOLKSTONE.

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

### WHITE LA FRANCE.

Beautiful pearly white, sometimes tinted with fawn.

### 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.



## 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.

### REINE MARIE HENRIETTE.

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

### WILLIAM A. RICHARDSON.

Color rich coppery yellow, flushed with carmine.

## 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.

### GLOIRE DE MARGOTTEN.

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

### GENERAL JACQUEMINOT.

Bright, shining crimson, very rich and velvety.

### 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.

### 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 flowers; color rich, glowing crimson, elegantly flamed with scarlet. Each, 15c.

## SPECIAL COLLECTIONS OF ROSES.

### GOLDEN RAMBLER COLLECTION OF CLIMBERS.

Seven for 50c., postpaid.

Golden Rambler.	Climbing Wootton.
Mad. Alfred Carriere.	Climbing La France.
Reve d'Or.	W. A. Richardson.
Reine Marie Henriette.	

### SNOWBALL 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.	

### BRIDESMAID COLLECTION.

Fourteen Choice Roses for \$1.00, postpaid.

Bridesmaid.	Mad. Francis Kruger.
Maman Cochet.	Marie Van Houtte.
White Maman Cochet.	White La France.
Perle des Jardines.	La France.
Papa Gontier.	Tri de Pernet Pere.
Kaiserine A. Victoria.	Duchess de Brahan.
Maurice Rouvier.	Mad. P. Cochet.

Orders for plants should be sent in between January and June—before July 1. It is not prudent to ship them during the dry season.

### JUBILEE COLLECTION OF CARNATIONS.

Price 10c. each; seven for 50c; set of fifteen sorts, \$1.00.

#### 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.

#### JUBILEE.

Richest shade of intense scarlet ever seen in a carnation.

#### METEOR.

Magnificent crimson maroon variety, free flowering.

#### PRINCESS BONNIE.

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

#### AMERICAN FLAG.

Vivid scarlet and purest white, variegated.

#### DAYBREAK.

A very pure, bright shade of flesh 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.

#### WILLIAM SCOTT.

Delicate, rosy pink; one of the best.

#### STORM KING.

A magnificent white carnation.



**GORGEOUS COLLECTION OF  
JAPANESE CHRYSAN-  
THEMUMS.**

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

**COLONEL W. B. SMITH.**

Beautiful incurved flowers; rich golden bronze.

**CHARLES DAVIS.**

Rich tawny yellow and golden bronze; very large.

**GORGEOUS.**

Deep golden yellow of the richest hue.

**GEORGE W. CHILDS.**

Richest deep velvety crimson.

**IVORY.**

Snowy white, of perfect incurved form.

**J. E. LAGER.**

Very early yellow reflexed Japanese, of good size.

**JOHN SHRIMPTON.**

Velvety crimson.

**MADAME BERGMAN.**

Early white; blooms 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; very fine.

**PRESIDENT W. R. SMITH.**

Color flesh pink; fine for cut flowers.

**VIVIAND MOREL.**

A beautiful light shade of pink.

**NEW DAHLIAS.**

Price 15c. each; four 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.

**GEORGE RAWLINS.**

Rich crimson maroon, shaded black.

**HECTOR.**

Orange scarlet; fine.

**IVORY.**

White flowers on stout stems.

**MISS DODD.**

Lemon yellow, of perfect form.

**NYMPHAE.**

Light shrimp pink, shaded darker.

**LADY MILDMAY.**

White shaded lavender; beautiful.

**LUCILLE.**

Pure golden yellow; very large.

**MRS. HENRY CANNELL.**

Rich amber, shaded scarlet and crimson.

**SINGLE-FLOWERED GE-  
RANIUMS.**

10c. each; set of seven sorts 50c.

**BANQUISE.**

Trusses enormous, on very long stems; pure white throughout the season.

**JAMES KELWAY.**

A most beautiful crimson scarlet, of fine size.

**MRS. E. G. HILL.**

Color, clear salmon, with a white center.

**SAM SLOAN.**

An extra fine velvety crimson.

**SOLIEL COCHANT.**

Large flowers of a yellow scarlet color.

**MADONNA.**

Upper petals creamy white, with a distinct rosy pink border; lower petals salmon rose, streaked with clear lilac.

**SOUVENIR DE MIRANDI.**

Light pink; upper petals marked with white. Ten cents each; set of seven sorts, 50c.

**DOUBLE-FLOWERED GE-  
RANIUMS.**

10c. each; set of seven sorts 50c.

**BONNAT.**

Fiery pink; very large and fine.

**BEAUTE POITEVINE.**

Very large semi-double flowers, of a brilliant salmon color.

**BRUANT.**

Color bright vermilion red of the most pleasing shade. Six inches in diameter.

**LA FAVORITE.**

Snow white.

**MARY HILL.**

The finest pure pink.

**S. A. NUTT.**

Rich, dark crimson.

**MADAME HOSTE.**

Flesh color, shaded with white. Price, 10c each; set of seven sorts, 50c.

**FUCHSIAS.**

Price 10c. each; set of seven sorts 50c.

**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.

**SINGLE VARIETIES.**

**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. Price, 15c. each; four for 50c.



**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.

**HELIOTROPES.**

Pure white, light blue or purple. 10c. each.

**BEGONIAS.**

Rubra, Metalica and 15 other sorts. 10c. each.

**BEGONIAS (Rex).**

Ten fine sorts. 15c. each.

**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.

**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.

**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.

**LILAC, PURPLE.**

Immense heads of beautiful purple flowers; very sweet. Each, 30c.

**LILAC, WHITE.**

Beautiful pure white flowers. Each, 30c.

**SPIREA. BUMALDA.**

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. OPULUS.**

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.

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



# FRUIT TREES.

Our trade in Fruit Trees has grown steadily and our success is largely due to the **QUALITY**, and care with which we have filled orders. We have many unsolicited letters expressing satisfaction with Trees and Shrubs we have sent out.

The growing stock has careful attention. No insect pest or disease is allowed to get a start in the nursery. In addition to our constant care of the Trees during the growing season, they are **INSPECTED** by the **STATE COMMISSIONER**, making assurance doubly sure.

The unusual demand has reduced the stocks in all the nurseries, and some varieties are scarce. We could have closed out many desirable varieties in large blocks to other dealers, but have thought best to reserve a good stock for our catalogue customers, who depend on us to supply their wants.

**TERMS CASH.**—Orders for 5 Trees at 10 rates. If wanted in larger quantities write for special prices.

We can furnish large Fruit Trees, 3 to 5 years old, at 25 to 50 cents each.

## APPLES.

	Each.	Per 10.
One year .....	10c	90c
Two years .....	15c	\$1.00

### 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.
- Yellow Transparent.**  
Early, white, tender, sub-acid.

### 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 Bietigheimer.**  
Very large, red, sub-acid.
- Waxen.**  
Pale yellow, quite acid.
- Alexander.**  
A large and beautiful red apple.

### WINTER.

- Ben Davis.**  
A large, handsome, striped apple.
- Baldwin.**  
Large, bright red, sub-acid.
- BISMARCK.**  
Bears when only 2 years old; sometimes grown in pots for decoration purposes. 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.
- Lawver.**  
Large, brilliant red; a great keeper.

- Northern Spy.**  
Roundish, striped with red.
- Red-Cheek Pippin.**  
Large, red cheek, on yellow ground.
- Mammoth Black Twig.**  
A seedling of the Winesap, which it resembles; large, deep red; a good keeper.
- 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 Bellflower.**  
Large, pale yellow; good keeper.

## CRAB APPLES.

	Each.	Per 10.
One year .....	10c	90c
Two years .....	15c	\$1.25

- 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. |
|------------------------------|-------|---------|
| One year, 3 to 4 feet .....  | 10c   | 85c     |
| Two years, 4 to 6 feet ..... | 15c   | \$1.25  |
- 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.**  
Large, smooth, pale yellow; very productive.
  - Madeline.**  
Medium size, juicy and sweet, very early.

### AUTUMN.

- Beurre de Clairgeau.**  
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.

## WINTER BARTLETT.

Fruit very similar to Summer Bartlett, but the tree is very different. Fruit keeps well and on this account is a good shipper. 1 year, each 50c.



**PEACHES.**

	Each.	Per 10.
One year, 3 to 4 feet .....	15c	\$1.25
4 to 6 feet .....	20c	1.75

**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.
One year, 3 to 5 feet .....	15c	\$1.25
Two years .....	20c	1.50

**Bing.**

Fruit large, dark brown or black; flesh very firm.

**Black Tartarian.**

Large; bright purplish black; flesh purplish.

**Black Republican.**

An old and well-known variety.

**Governor Wood.**

Large, light yellow, shaded with red.

**Kentish.**

Medium size, dark red, juicy, sprightly flavor. It is safe to say that this is the best acid cherry for cooking and canning.

**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.

**Oregon.**

Large, red.

**Hoskins.**

Large, dark brown, very rich and juicy.

One year, 25c; two years, 40c

**Lambert.**

Large, dark, tender and high flavored.

One year, 25c; two years, 40c

**PLUMS.**

	Each.	Per 10.
One year, 4 to 6 feet .....	15c	\$1.25
Two years, 5 to 7 feet .....	20c	1.50

**Bradshav.**

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.
One year, 4 to 6 feet .....	15c	\$1.25
Two years, 5 to 7 feet .....	20c	1.50

**Golden.**

Light golden color, exquisite flavor.

**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.

**Pacific.**

Originated in Oregon; tree hardy and a good producer; fruit freestone, very large and handsome.

**SUGAR PRUNE.****Grafting Wood only. Per foot, \$5.00.**

This is a new production by the celebrated grower, Luther Burbank. This is a rare chance for growers to make a start with a new variety from first hands. Our start was made with wood bought direct from Mr. Burbank, at a much higher price than we now quote.

The following short extract from his announcement, which was first made public last year, speaks for itself:

For many years we have labored to produce a large, early, productive, handsome, easily cured, richly flavored prune, with a high percentage of sugar; the prize appeared four years ago, and we have now tested it in every way, sufficient to warrant its introduction, and we are upheld in our estimate of its great value by all fruit-growers who have seen it, and at this writing, even before grafting wood has been offered, numerous growers have offered from \$50 to \$500 worth for grafting, regardless of the quantity to be received.

The tree is very far superior to the French prune in every respect, better grower, better bearer, better foliage, better form, requires less careful pruning, will carry and mature a larger crop of fruit. The fruit is unusually even in size, and very large, averaging thirteen to fifteen to the pound, fresh; at least three to four times as large as the French prune grows here.

For illustration and further interesting information about the wonderful prune, see our yellow sheet of novelties on page 36.

**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

**Oregon Champion.**

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.

**Gregg.**

Late, very productive; an excellent variety for market gardeners.



**BLACKBERRIES.**

	Each.	Per 10.	Per 100.
Price .....	5c	40c	\$3.00

**Early Harvest.**  
Exceedingly early and always reliable.

**Kattatiny.**  
Large, black, sweet and soft clear through when ripe.

**Lawton.**  
Fruit large; ripens late; very productive.

**Erie.**  
One of the best hardy varieties, as vigorous as Kittatiny; very productive; foliage clean and healthy; free from rust; fruit large, about the size of Lawton, round in form, giving it the appearance of being larger than it really is; good quality; ripens early.

**LOGANBERRY.**

A cross between the blackberry and red raspberry; has a distinct flavor of both, and looks like a tawny red blackberry. It is new with us. Will have plants ready to ship February 1.  
Each, 50c; per dozen, \$2.50

**GRAPES.**

	Each.	Per 10.	Per 100.
Price .....	15c	\$1.00	\$8.00

**Concord.**  
A large, handsome grape, globular and almost black.

**Delaware.**  
Small, red, very spicy and sweet.

**Moore's Early.**  
Black, with heavy blue bloom; two weeks earlier than the Concord.

**Eaton.**  
Blue-black.

**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.

**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.

**Magoon.**  
Our Magoon berries are grown for us by the originator. 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. Per dozen, post paid, 75c

If wanted in quantities, write to us for quotation.

**HOP ROOTS.**

Per dozen, post paid, 50c

**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

**Beach.**  
Blood Leaf .....75c to \$1.50  
Fern Leaf .....75c to \$1.00

**Birch.**  
Purple Leaf .....\$1.00 to \$1.50  
Weeping Cut Leaf .....75c to \$1.00

**California Big Tree.** \$1.00 to \$1.50

**Camperdown Weeping Elm.**  
Each .....\$1.50

**Catalpa.**  
10 to 12 feet, each .....50c to \$1.00

**Cedar.**  
And Lebani .....\$1.00 to \$2.00

**Chestnuts.**  
American, 4 to 8 feet, each .....50c to 75c  
Italian, 4 to 8 feet, each .....50c

**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, each .....50c to 75c  
Cork, 10 to 16 feet, each .....50c to 75c  
Red, 10 to 16 feet, each .....50c to 75c  
White, 10 to 16 feet, each .....50c 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, each .....75c to \$1.00

**Juniper.** \$1.00 to \$2.00

**Kilmarnock Weeping Willow.**  
Each .....\$1.50

**Laburnum.**  
6 feet, each .....50c to \$1.00

**Larch.** \$1.00 to \$2.00

**Laurel, English.** 50c to \$1.50

**Linden.**  
American or European, 10 to 18 feet, each.50c

**Locust.**  
6 to 8 feet, each .....50c to 75c

**Maple.**  
Sycamore, 12 to 18 feet, each .....50c to 75c  
Silver Leaf, 10 to 16 feet, each.....50c to 75c  
Red, 10 to 16 feet, each .....50c to 75c  
Sugar, 10 to 16 feet, each .....50c to 75c  
Purple, each .....50c to \$1.00  
Oregon, each .....50c to 75c  
Variegated, each .....\$1.00 to \$2.00  
Japanese .....\$1.00 to \$3.00

**Mountain Ash.**  
6 to 10 feet, each .....50c to 75c

**Mulberry.**  
Russian, each .....50c to 75c  
Downing, each .....50c to 75c

**Norway Spruce.** \$1.00 to \$2.00

**Oak.**  
Red .....75c to \$1.00

**Poplar.**  
Lombardy, 12 to 18 feet, each .....50c to 75c  
Carolina, 12 to 18 feet, each .....50c to 75c

**Privet.**  
1 year, per 100, \$3.00; 2 years, per 100.....\$4.00

**Sycamore.**  
10 to 14 feet, each .....50c to 75c

**Tulip.**  
6 to 8 feet, each .....50c to 75c

**Walnut.**  
English, 10 to 14 feet, each .....50c to 75c  
Black, 10 to 14 feet, each .....50c to 75c

**White Birch.**  
6 to 10 feet, each .....50c to 75c

**Yew, Irish.** \$1.00 to \$2.00



# COLLECTIONS

THAT SPEAK FOR THEMSELVES.

## No. 1. \$1.00.

Catalog price \$1.30, express or freight.  
Our selection.

1 Apple 1 Crabapple 1 Pear  
1 Peach 1 Cherry 1 Plum 1 Grape

## No. 7. \$1.50.

Catalog price \$2.00, express or freight.

2 Apples 2 Pears 2 Plums  
2 Cherries 2 Prunes

## No. 2. 80c.

Catalog price \$1.00, express or freight. Add 15c. and we will send small roots by mail postpaid.

1 Loganberry  
2 Blackberry, Erie  
2 Currants, Fay's  
2 Raspberries, Gregg  
2 Gooseberries, Champion  
5 Strawberries, Wilson

## No. 8. \$3.00.

Catalog price \$3.75, express or freight.

3 Apples 2 Pears  
3 Cherries 2 Plums  
1 Peach 2 Prunes  
2 Grapes 4 Currants  
4 Blackberries 10 Strawberries

## No. 3. \$1.00.

Catalog price \$1.50, express or freight. Add 10c. and we will send all by mail, postpaid.

10 Grapes, as follows:

2 Concord 2 Delaware 2 Niagara  
2 Moore's Early 2 Moore's Diamond

## No. 9. FRONT DOOR YARD. \$2.75.

Catalog price \$3.50. Express or freight.

1 Rose (Any color.) 1 Lilac  
1 Snowball 1 Holly  
1 Lawson Cypress 1 Deutzia

## No. 4. \$1.25.

Catalog price \$1.80, express or freight. Add 15c. for postage if sent by mail.

2 Currants, Fay's Prolific  
2 Currants, Black Naples  
2 Gooseberries, Ore. Champion  
2 Raspberries, Cuthbert  
2 Raspberries, Gregg  
2 Blackberries, Lawton  
2 Grapes, Moore's Early  
10 Strawberries, Wilson  
10 Strawberries, Magoon

## No. 10. FRONT DOOR YARD. \$1.50.

Catalog price \$2.25. Express or Freight.

1 Rose 1 Spirea Japonica 1 Holly  
1 Paeony 1 Hydrangea 1 Gracillus

## No. 5. Postpaid. 75c.

Catalog price \$1.15.

10 Strawberries, Clark's  
10 Strawberries, Wilson  
10 Strawberries, Magoon

## No. 11. FRONT DOOR YARD. \$1.00.

Catalog price \$1.50. Express.

1 Spirea Japonica 1 Weigelia  
1 Lilac (White or Purple.)  
1 Snowball 1 Iris Japonica

## No. 12. RECORD BREAKER. \$5.00.

Catalog price \$8.75. Express or freight.

6 Ass'd Lily Bulbs 2 Elganus  
1 Magnolia Grandiflora  
1 Bamboo 1 Bleeding Heart  
1 Jackmanii Clematis.  
1 Acuba Japonica 1 Laburnum  
All large, healthy plants.

## No. 6. \$1.25.

Catalog price \$1.80, express or freight. Add 35c. and we will send by mail postpaid.

6 Currants 6 Blackberries  
6 Raspberries 6 Grapes

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.



# SPRAY PUMPS.

The **IMPORTANCE** of **SPRAYING** is admitted on all hands, and the only question before the fruit-grower is **WHAT MACHINERY** and **WHAT SOLUTIONS** are the best.

We have been selling the **Gould Pumps** for several years and have placed them with a large number of fruit-growers, who are unanimous in saying "They are the best we have ever seen." Below we give a few extracts that speak for themselves.

The Pomona outfit bought from you in the spring of 1898, has been in use two seasons, with perfect satisfaction. I use four men in my crew, one to get the spray ready, one to pump, and two to spray. We worked twenty-four days and were not delayed once by the pump being out of repair, nor spent a cent for repairs. I have used more expensive outfits, but they are not in it with the Pomona.

HENRY A. HENNEMAN.

Milwaukie, Or.

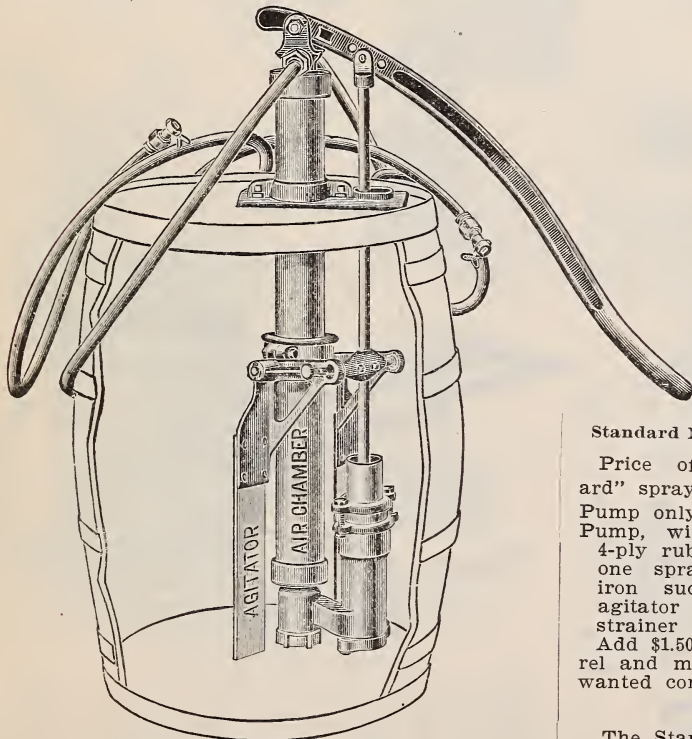
I think the Gould Pumps are the best in the market.  
M. O. LOWNSDALE.  
El Ranchits Orchards, La Fayette, Or.

After three weeks' steady spraying with the Pomona Pump, I pronounce it **ALL RIGHT**.  
FRANK L. WHEELER.  
Fruitvale Ranch, North Yakima.

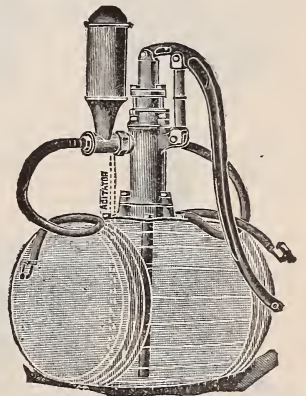
The Pomona Spray Pump I bought from you last February is all right in every particular. It is very easy to operate, and never gets out of order. We sprayed 150 acres with it in March.  
Z. T. DAVIS.  
Dundee, Or.

The "**POMONA**" 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, Washington, and Moscow, Idaho.

We recommend the "**POMONA**" as the best all-around Spray Pump ever produced. It is made on right principles, and of material best adapted to the purpose. All working parts are brass. No leather packings to burn or shrink. **ALL VALVES** are **BRASS** and **EASILY ACCESSIBLE**. The parts are interchangeable.



POMONA NO. 1100.



STANDARD NO. 905 1/2.

Standard No. 905 1/2.

Price of "Standard" spray pump:  
Pump only ....\$10.00  
Pump, with 8 feet 4-ply rubber hose, one spray nozzle, iron suction and agitator pipes and strainer .....\$12.00  
Add \$1.50 for barrel and mounting if wanted complete.

The Standard is a strong, double-acting spray pump, and has been one of the most popular pumps ever made. It has a large air chamber, brass-lined cylinder, and brass-cased plunger. We are now supplying it with brass valves, similar to those used in the Pomona. We carry a line of repair parts for this pump, and can make a new pump out of an old one in short order.

**PRICES:**

- No. 1100 Pump only..... \$16.00
- No. 1100 Pump with 10 feet 4-ply Hose and one Spray Nozzle } \$18.00
- No. 1100 Pump mounted on Barrel, with 10 feet 4-ply Hose and one Spray Nozzle..... } \$20.00
- Pomona Outfit, as follows:
  - One No. 1100 Pump .....
  - One Barrel Fitted for Pump .....
  - Two 15-foot leads of 4-ply Rubber Hose .....
  - Two Vermorel or Seneca Nozzles .....
  - Two Bamboo Extensions with Globe Valves.....
 } \$25.00

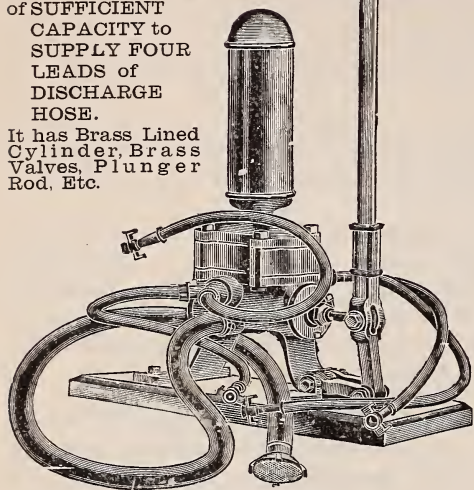
Full directions for the making and use of spraying solutions may be found in the Fifth Biennial Report of the Oregon State Board of Horticulture for 1899, which can be had free on application to the Commissioner for your district. Pages 182 to 203 are full of explicit and invaluable directions and information for fruitgrowers.



**“SENTINEL”**  
(Or Champion)  
**No. 963.**

This Pump fills the bill for a Powerful Spray Pump of SUFFICIENT CAPACITY to SUPPLY FOUR LEADS of DISCHARGE HOSE.

It has Brass Lined Cylinder, Brass Valves, Plunger Rod, Etc.



SENTINEL NO. 963.

**PRICES:**

- No. 963 Pump only .....\$25.00
- Pump with 5-foot 1/4 Suction Hose, two 25-foot leads 4-ply Rubber Hose, two Bamboo Extensions with Globe Valves ..... 35.00

Mr. George S. Batty, of Aurora, has this pump mounted on a large tank wagon. A fourteen-year-old boy drives the team and does the pumping for four leads of hose. One of the strong points of the Gould pump is the simplicity and strength of the different parts. They are built for hard service in the field, and will stand the work day after day without breaking or “bucking.”

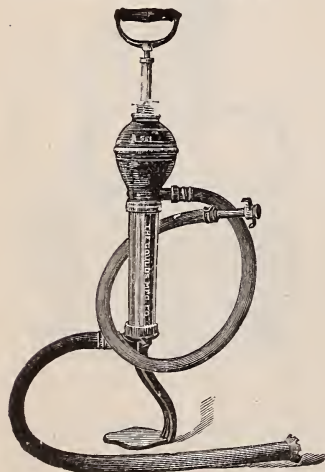


FRUITALL NO. 1188.

**THE “FRUITALL.”**

The “Fruitall” is simply a smaller size of the Pomona. It is simple and strong, and will do everything that can be done with a single lead of hose.

- Prime, pump only .....\$13.00
- With 10 feet four-ply rubber hose and one spray nozzle .....\$15.00



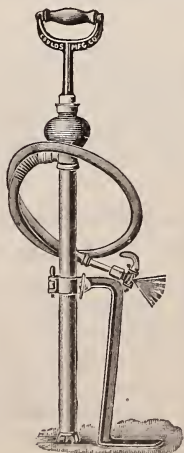
PORTABLE NO. 561 1/2.

**BORDEAUX, NO. 1129.**

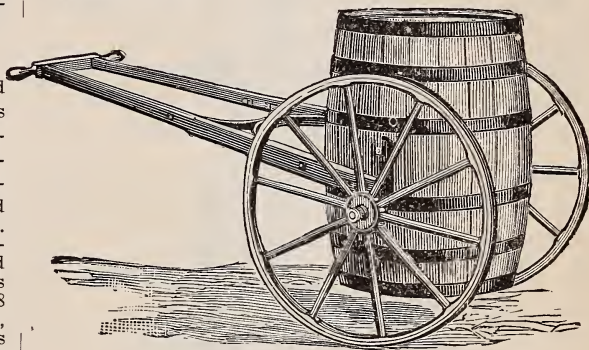
This is ALL BRASS, with malleable iron footrest. Stands in bucket with footrest outside. The gutta percha ball valve is proof against acids. Price, complete, as shown in illustration ..... \$5.00

**No. 561 1/2.**

A compact and powerful Brass Force Pump, arranged with suction and discharge hose and Seneca nozzle. Has brass cylinder, plunger and rod. A first-class pump. Weight, 8 pounds. Price, complete, as shown in illustration ..... \$6.50



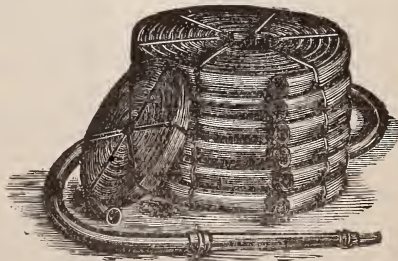
BORDEAUX NO. 1129.



**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 orchard.



**HOSE FOR SPRAY PUMPS.**

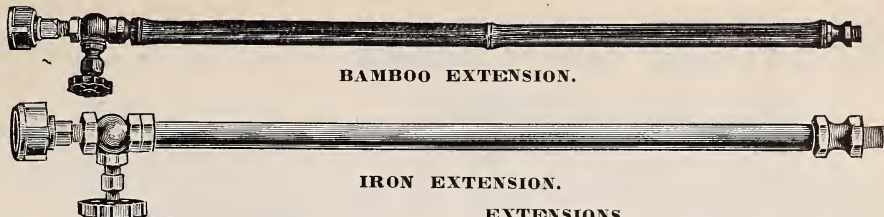
- 1/2-inch, best 4-ply rubber, per foot .....15c
- 3/4-inch, best 4-ply rubber, per foot .....20c

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.”





1 1/4-inch wire-lined suction hose for Sentinel Pump, per foot .....35c

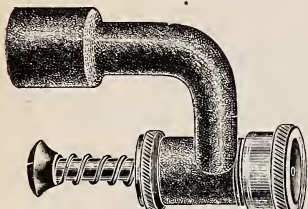


BAMBOO EXTENSION.

IRON EXTENSION.

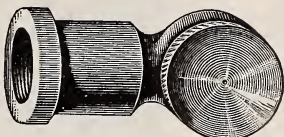
EXTENSIONS.

	Bamboo.	Iron.
2 to 4 feet, with Globe valve, each	.....\$1.25	\$1.25
6 feet, with Globe valve, each	..... 1.50	1.40
8 feet, with Globe valve, each	..... 1.65	1.50
10 feet, with Globe valve, each	..... 1.80	1.65

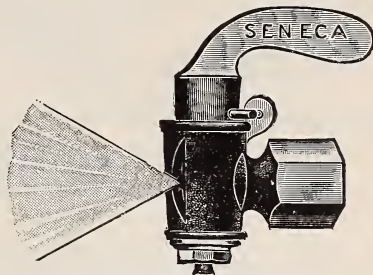


VERMOREL SPRAY NOZZLE.

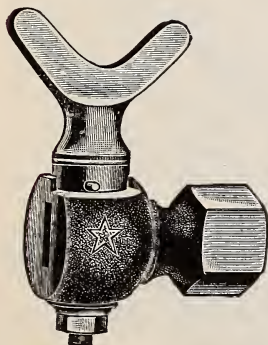
- No. 55, single .....\$1.00
- No. 1103, double ..... 1.50
- No. 1104, triple ..... 2.00



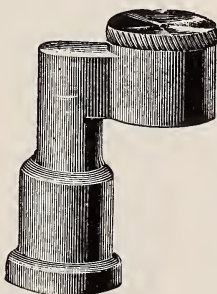
Cyclone, No. 51 .....50c



Seneca or Bordeaux, No. 81 ..... \$1.00



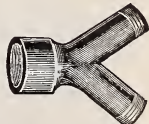
Masson, No. 62 .....\$1.00



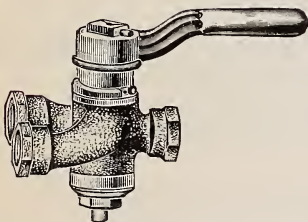
Pacific Cyclone, No. 52..60c



Hose Coupling, 1/2 or 3/4 inch .....25c



Brass Ys, No. 49 1/2 ..... 75c



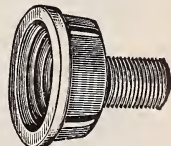
Brass Y, with shut-off.\$2.00



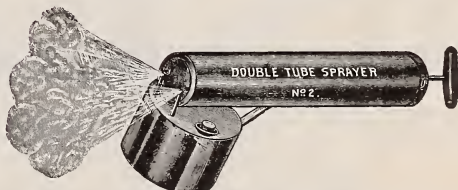
No. 753, Globe valve, for 1/4 inch iron pipe.....75c



No. 59. Brass Hose Bands, for 1/2-inch or 3/4-inch hose.....5c



Coupling for hose and iron pipe, No. 65 .....25c



NO. 10 DOUBLE TUBE LIGHTNING INSECT EXTERMINATOR.

Express .....75c Post paid .....\$1.00

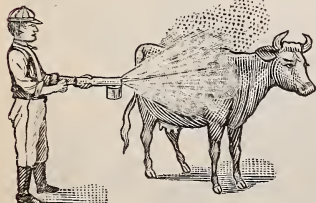
This Exterminator is made with double tubes, throwing two large sprays at one time. The reservoir holds one quart, is made of galvanized iron, and will not rust. It is a light, handy sprayer, with great capacity. The filling hole is made funnel-shape, so there is no funnel to be used in filling same. The sprayer is adapted for any kind of insect-killing and spraying purpose.

SMITH'S PATENT FORCE PUMP.

A powerful and cheap tin pump for washing windows or spraying; express .....\$1.00

SCOLLAY SPRAYER.

Large, \$1.00; post paid 1.10  
 Medium, 75c; post paid 85c  
 Small, 60c; post paid...65c

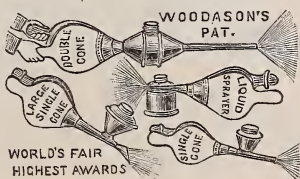


NO. 10 EXTERMINATOR IN USE.

No. 10 Exterminator in use. The use of our Zenium Insect Killer once or twice a day will destroy insect life on any livestock. TRY IT.

WOODASON'S BELLOWS.

- Small, for liquid \$1.50
- Small, for powder 1.25
- Large, for liquid 1.50
- Large, for liquid \$2.00
- Double-cone, for powder .....\$3.00



WORLD'S FAIR HIGHEST AWARDS



# SPRAYING MATERIALS And Insecticides.

## BORDEAUX MIXTURE.

A compound of sulphate of copper and lime, which is in general use as a fungicide. We now have this invaluable remedy prepared in highly condensed liquid form, in sealed tin cans. Directions are attached to each can. One gallon of this condensed liquid makes 50 gallons of spraying liquid. It is **BETTER** and **CHEAPER** than the ordinary home-made mixture.

Quart, 60c; gallon, \$1.50.

## SULPHATE OF COPPER (BLUESTONE).

Lb., 10c; 3 lbs., 25c.

Per box, 30 to 40 lbs., or per barrel of 300 or 400 lbs., write for quotations.

## LIME.

Per barrel, market price.

## SULPHUR (FINELY POWDERED).

10 lbs., 25c; bag of 110 lbs., \$2.25.

## SALT.

100-lb. sack, 40c.

## WHALE-OIL SOAP.

Lb., 10c; 10 lbs., 50c; 100 lbs., \$4.50.

## PARIS GREEN.

Our own importation, guaranteed to meet the requirements of the state law.

One-half-lb. tin cans, 20c; 1-lb. tin cans, 35c; 5-lb. tin cans, \$1.50; postage, 16c .lb

Large quantities in bulk at special price. Ask for quotations.

## WHITE ARSENIC.

A cheap and effective poison now coming into general use. Lb., 10c; 10 lbs., 85c. Larger quantities, ask for quotation.

Applied dry or mixed in water (1 oz. to 3 gal.) for currant worms, caterpillars and grape slugs.

## HELLEBORE.

In cartons only.

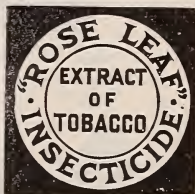
¼ lb., 15c; ½ lb., 20c; lb., 35c. Add 16c lb. by mail.

## "ROSE LEAF."

Concentrated EXTRACT of TOBACCO. Very effective for destruction of plant lice. Directions on each can.

Pts., 30c; qts., 50c; gal., \$1.50.

Special price to gardeners or greenhouse men in larger quantities.



## TOBACCO STEMS.

For fumigating plants. Tobacco smoke will kill all insect life.

Lb., 5c; 10 lbs., 30c; 100 lbs., \$2.50.

## TOBACCO DUST.

Spread on the ground, it keeps off all earth insects. Dusted on the foliage while damp, it kills rose lice, cabbage and turnip fleas, etc.

Lb., 10c; 10 lbs., 60c; 100 lbs., \$4.50.



## HAMMOND'S "GRAPE DUST."

The best known remedy for mildew on roses, grapes and gooseberries. Apply with "Woodason" powder bellows.

1 lb., 15c; 5-lb. pkg., 50c.

## BUHACH.

An effective, non-poisonous insect powder.

Postpaid, oz., 10c; ¼ lb., 25c.

## FOSTITE.

A copper sulphated soapstone powder for mildew and fungous diseases.

Lb., 15c; 5-lb. pkg., 65c.

## PARAGREEN.

A preparation of Paris green and lime. As effective as Paris green. Much lighter and easier to apply. Does not injure the foliage.

Lb. box, 25c; 3-lb. box, 65c; postage, 16c lb.



# OUR FERTILIZERS

Are made of the best materials and compounded according to the most approved formulas, as recommended by the Oregon Agricultural College.

It is a very COMMON MISTAKE to suppose that because a piece of land is RICH it needs no fertilizer. There are three main elements in any complete fertilizer—Potash, Nitrogen and Phosphoric Acid. If a soil lacks any of these elements, or if they are out of proportion, it will produce a crop that is deficient in quantity or quality.

The successful farmer is the one who secures a FULL crop of the BEST QUALITY, and gets it into market FIRST. The way to accomplish all these desirable ends is to find out what the crop requires in the way of plant food, and then apply it with a liberal hand. Instead of saying that he cannot afford to buy fertilizer, he says he cannot afford to be without it.

"Science and practical farming have demonstrated that GENEROUS LIVING is as necessary to the plant as to the animal."

We have an extremely interesting pamphlet called "The Farmers' Guide," which we are pleased to mail free to any one who will ask for it.

## BEST RESULTS

From use of Commercial Fertilizers will be derived by those who apply them in the fall or early spring. It is very desirable that they be well mixed with the soil, otherwise they cannot be reached by the roots. Do not be afraid of losing potash or phosphoric acid. They do not leak away except in very sandy soil, but remain in the ground till taken out by growing plants. No positive rule as to quantity can be given. The average amount is 400 or 500 pounds per acre, but market gardeners often use three or four times that amount and find that it pays.

We carry the largest and only complete stock of FERTILIZERS and FERTILIZING MATERIAL in the Pacific Northwest, and solicit orders and correspondence from large buyers.

## FERTILIZING MATERIAL.

Potash-muriate. lb., 3¼c; sack 224 lbs., \$6.50.

Potash-sulphate. lb., 3¼c; sack 224 lbs., \$7.25.

Kainit. lb., 1¼c; sack 224 lbs., \$2.25.

## SUPERPHOSPHATE.

Contains 2½ per cent. of nitrogen and 16 per cent. of available phosphoric acid. 100 lbs., \$2.50.

## PURE GROUND BONE.

Is an excellent fertilizer, though not as quick in action as the superphosphate. 100 lbs., \$1.75.

## BONE FLOUR.

Pure bone ground to an impalpable dust. This is almost indispensable to the florist. 100 lbs., \$3.

## NITRATE OF SODA.

The great "hurry up" fertilizer, for stimulating the growth of plants. 50 lbs., \$4.00.

## FISH GUANO.

A very valuable fertilizer for special purposes, and used largely in making mixtures. Very rich in nitrogen, with a good percentage of phosphoric acid. 100 lbs., \$2.00.

## GYPSUM, OR LAND PLASTER.

Market price.



**MIXED (OR COMMERCIAL) FERTILIZERS.**

Our own mixtures. Guaranteed to contain full percentage of fertilizing elements, as recommended by Corvallis experiment station.

**No. 1. Our "General" or Complete Fertilizer.**

Analysis: Ammonia, 2 to 2½ per cent.; phosphoric acid, 7 to 8 per cent.; potash, 6 to 7 per cent. Adapted for use on all garden and field crops. "When in doubt use No. 1." 100 lbs., \$2.00.

**No. 2. Potato Grower.**

Analysis: Ammonia, 4 to 4½ per cent.; phosphoric acid, 6 to 7 per cent.; potash, 9 to 10 per cent. Compounded of same material as No. 1, but is richer in plant food and is particularly recommended for use on root crops. 100 lbs., \$2.50.

**No. 3. Vine Grower.**

Analysis: Ammonia, 2 to 2½ per cent.; phosphoric acid, 7 to 8 per cent.; potash, 7 to 8 per cent. 100 lbs., \$2.25.

**No. 6. Lawn Dressing.**

Phosphoric acid, 5½ per cent.; potash, 12 per cent.; nitrogen, 5½ per cent. 100 lbs., \$2.50.

**No. 8. Plant Food.**

For greenhouse and house plants. Phosphoric acid, 6 per cent.; potash, 13½ per cent.; nitrogen, 8½ per cent. 1-lb. tin, 15c; 2-lb. tins, 25c. Postage, 16c lb.

**JADOO FIBRE.**

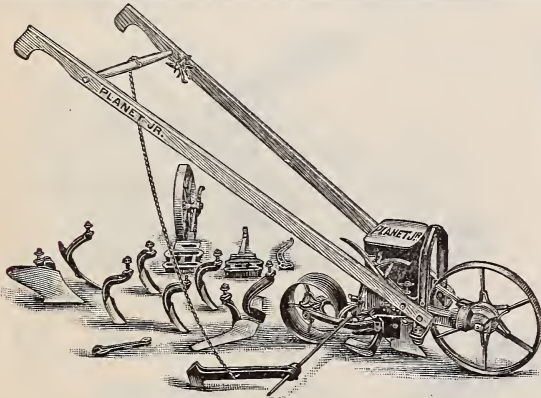
A potting material of undoubted value for house plants. lb., 10c; 5 lbs., 40c; 10 lbs., 70c.

**JADOO LIQUID.**

One qt. makes 50 qts. solution. Qt., 50c.

# "PLANET JR." TOOLS FOR 1900.

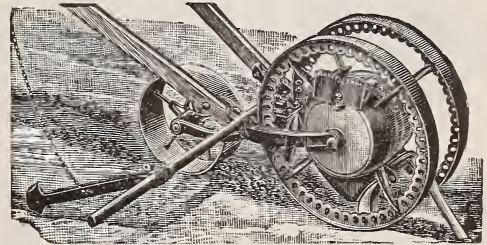
These goods need no introduction. They are known the world over. We carry a complete assortment and can fill any order, large or small, the day it is received.



**No. 25.**

**Combined Hill and Drill Seeder and Double Wheel Hoe.**

Has 11½-inch wheels. Hopper holds 5 lbs. of seed. As a Drill is identical with No. 4, and as a Hoe is same as No. 12. The change from Drill to Wheel Hoe takes but a moment. Price \$14.50.

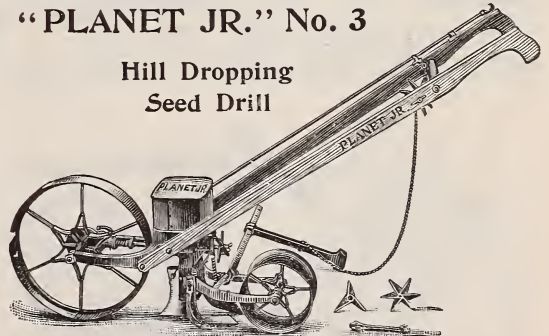


**No. 2 Seed Drill.**

Price \$8.00.

**"PLANET JR." No. 3**

**Hill Dropping Seed Drill**



Sows either in hills or in continuous row. Price \$11.50.

**The "PLANET JR." No. 4**

**Combined Hill Dropping Seeder and Single Wheel Hoe**



Complete, \$12.50; Drill only, \$9.00.

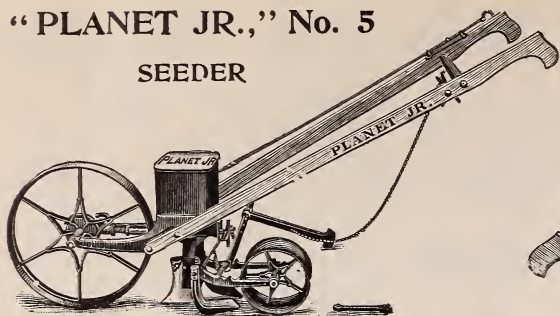
**No. 1.**

**Combination Drill and Wheel Hoe, Cultivator, Rake and Plow.**

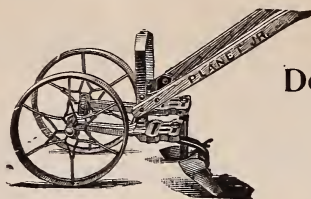
Price \$11.00.



**"PLANET JR.," No. 5  
SEEDER**



Sows either in hills or in continuous row. Price \$14.50.



**No. 13  
Double Wheel  
Hoe.**

Price \$5.00.

**"PLANET JR." No. 16**

**Single Wheel Hoe,  
Cultivator, Rake  
and Plow.**

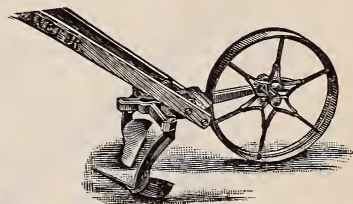


Price \$6.50.

**"Planet Jr." No. 11,  
Double Wheel Hoe,  
Cultivator,  
Rake and Plow.**

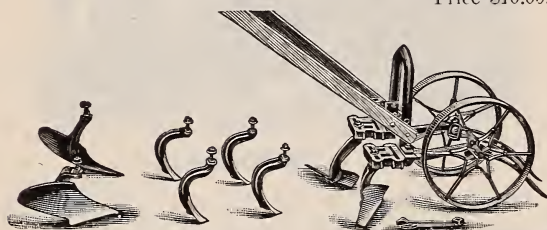


Price \$10.00.



**No. 18 Single Wheel Hoe.**

Price \$3.75.



**"PLANET JR." No. 12.  
Double Wheel Hoe, Cultivator and Plow.**

Price \$7.75.

**"PLANET JR." No. 17**

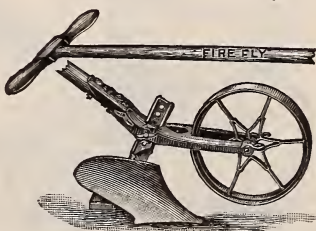
**Single Wheel Hoe,  
Cultivator  
and Plow.**



Price \$5.00.

**The  
"FIRE-FLY"  
PLOW.**

Price \$2.75.



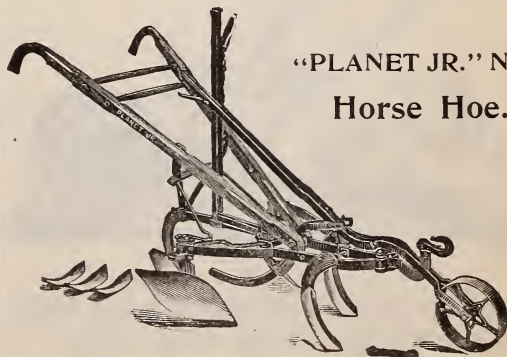
**"PLANET JR." No. 15**

**Single Wheel Hoe,  
Cultivator,  
Rake and Plow.**



Price \$7.75.

**"PLANET JR." No. 8  
Horse Hoe.**



Price \$11.00.



**"PLANET JR."**

**Harrow and Cultivator**

Price, plain, \$7.50; with wheel, \$9.25; complete \$11.00.



**Planet Jr. No. 9**

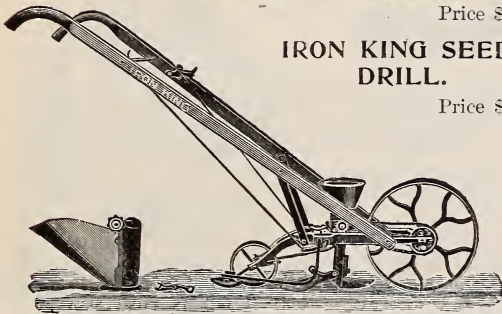
**Horse Hoe and Cultivator**



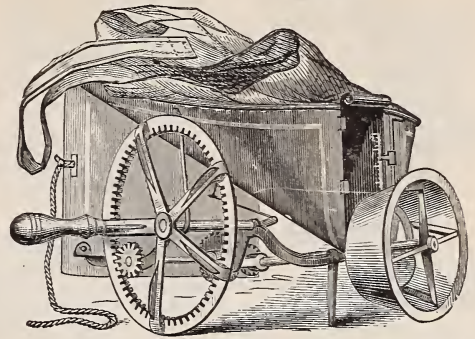
Price \$9.50.

**IRON KING SEED DRILL.**

Price \$9.00.



**SEED SOWERS.**



**CAHOON.**

Price \$4.00.



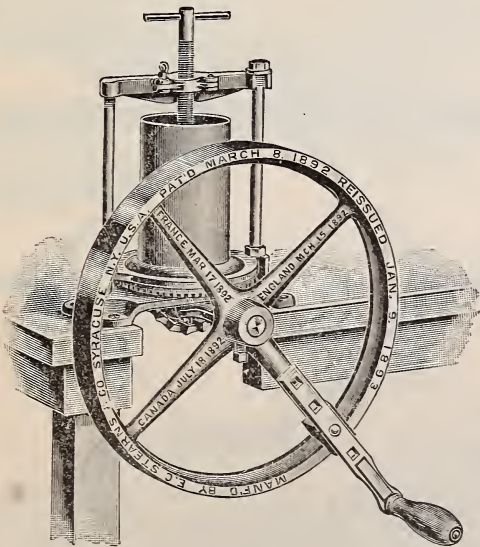
**GRANGER.**

Price \$3.75.

**ABOUT HALF** of your **SEED** can be **SAVED** by the use of a good seed sower or drill.

**POULTRY SUPPLIES**

And miscellaneous preparations and fixtures that are needed in all farm houses.



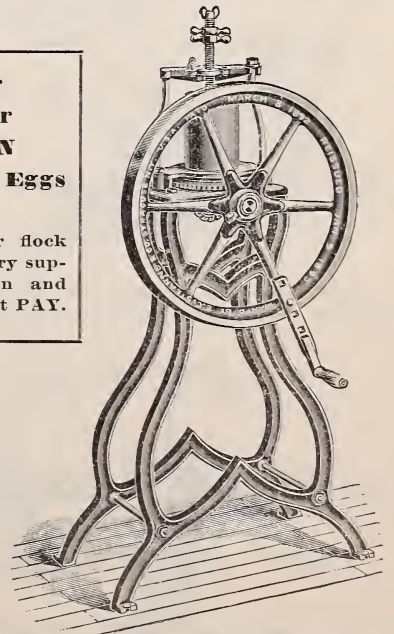
**WEBSTER & HANNUM GREEN BONE MILL NO. 4.**

\$9.00.

This is an old name, but a new mill. It retains all the good qualities of the old mill, but has been improved in construction and material.

**A COLD or HUNGRY or LOUSY HEN Lays no Eggs**

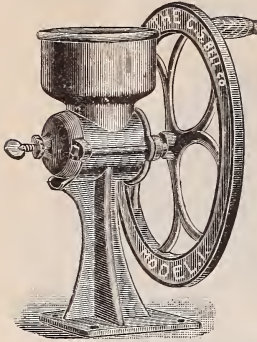
Furnish your flock with our poultry supplies one season and see if it does not **PAY.**



**WEBSTER & HANNUM GREEN BONE MILL No. 6.**

\$18.00.





NO. 1 GRAIN MILL.

**GRANULATED BONE.**

**OYSTER SHELLS (OREGON).**

**OYSTER SHELLS ("PEERLESS").**

**CLAM SHELLS.**

**GRANITE GRIT.**

**GRANULATED BLOOD MEAL.**

Deodorized and condensed. A highly concentrated meat food. Mix one part of this food to 20 parts of scalded shorts or chop.

**COOPER'S EGG FOOD.**

One of the best of the numerous kinds in market. We solicit a trial order and guarantee satisfaction. 1-lb. pkg., 20c; 3-lb. pkg., 60c; 5-lb. pkg., \$1; 25-lb. sack, \$4.50. Postage, 16c lb.

**STURTEVANT'S EGG FOOD.**

We are overstocked on this excellent article, and will fill orders for a time at the following CUT prices. First come, first served:

½ lb., 15c; 1 lb., 30c; 2½ lbs., 65c; 6 lbs., \$1.25. If ordered by mail, add 16c lb.

**STURTEVANT'S ROUP PILLS.**

125 pills in box. Postpaid, 50c.

**MORRIS' POULTRY CURE.**

½-lb. box, 25c; postpaid, 35c. 1-lb. box, 50c; postpaid, 65c.

**COOPER'S CONDITION POWDERS.**

For cattle and horses. 1-lb. pkg., 20c; 1½-lb. pkg., 35c. Post price, 1-lb. pkg., 30c; 1½-lb. pkg., 50c.

**ZENOLEUM**

A Non-poisonous Fluid. Sure cure for vermin and nits on Poultry, Horses or Cattle.

½-pint can, 25c; 1-quart can, 60c; 2-quart can, \$1.00; 4-quart can, \$1.50.

The ½-pint can by mail, 35c; larger sizes must go by express or freight.

**Zenoleum Sheep Dip**

(Non-poisonous.)

**BEST! SAFEST! CHEAPEST!**

One gallon makes 100 gallons Sheep Dip. Kills TICKS and NITS and CURES SCAB. 5-gallon can, \$7.50; 10-gallon can, \$12.50.

Farm manures which have lain in the open yards, or have been heated, and which have to be drawn long distances, are far MORE EXPENSIVE than the HIGH-GRADE COMMERCIAL FERTILIZERS.

**GRAIN MILL.**

Just the thing for grinding all kinds of grain for chickens. Can be regulated to grind fine or coarse.

No. 1, \$4.00. No. 2, \$7.50.

10 lbs., 25c; 100 lbs., \$1.75.

10 lbs., 20c; 100 lbs., \$1.25.

5 lbs., 15c; 100 lbs., \$1.50.

10 lbs., 20c; 100 lbs., \$1.25.

10 lbs., 15c; 100 lbs., \$1.00.

1 lb., 10c; 50 lbs., \$4.00.

**THANOLICE (INSECT POWDER).**

Trial size, postpaid, 15c. 12-oz. pkg., postpaid, 35c.

**LEE'S LIQUID LICE KILLER.**

A well-known article that needs no better advertising than a single trial. And it is so cheap. 2-qt. can, 60c; 4-qt. can, \$1.00. Cannot be mailed.



(Trade Mark.)

**NEST EGGS.**

Plain, white china; last forever, and are cheap. Postpaid, each, 5c; per doz., 40c.

**NEST EGGS.**

Medicated; will drive away or kill all vermin. Postpaid, each, 10c; 3 for 25c.

**INCUBATORS.**

All sizes from 64 Egg to 1000 Egg.

As good as the BEST.

As cheap as the CHEAPEST.

See inside back cover.

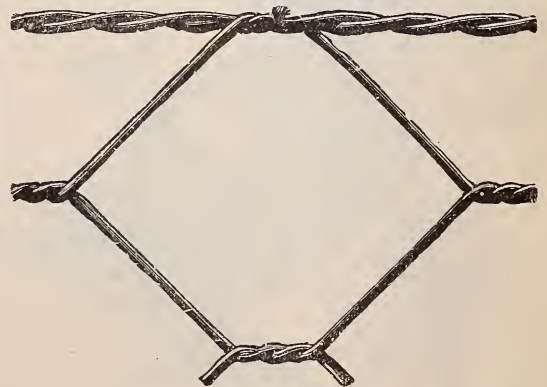


64 EGG INCUBATOR.

No. 0- 64 Egg .....\$10.00  
No. 1-120 Egg .....\$18.00  
No. 2-180 Egg .....\$23.50

Price includes prepayment of freight to any steamboat or railroad station in the Northwest. See full page description and price list on inside of back cover.

**POULTRY NETTING.**

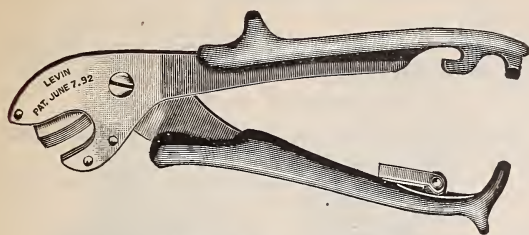


The following table gives the net price of a single roll of netting, 150 feet long, of different widths. If you order five rolls, any one or assorted sizes, deduct 5 per cent. from these prices. Less than full roll, 1c per square foot:

MESH	No. Wire	12 in.	18 in.	24 in.	30 in.	36 in.	42 in.	48 in.	60 in.	72 in.
2-inch....	20	1.20	1.75	2.35	2.95	3.50	4.15	4.75	5.90	7.00

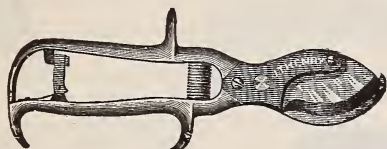


**PRUNING SHEARS.**



**THE LEVIN PRUNER.**

Cuts clean, does not mash the twig.  
No. 23 cuts 3/4 inch. Postpaid, 75c.



No. 1. 40c; postage, 15c.  
No. 9, loop handle. 50c; postage, 15c.

No. 4665, 9-inch California pattern; German make, black finish, polished blade.  
75c; postage, 15c.

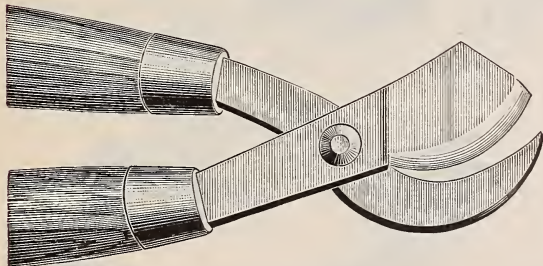


No. 4665.

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.



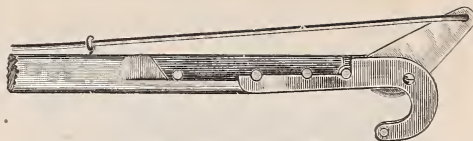
**BRANCH SHEARS.**

Twenty-six inch. \$1.00.  
Forty-one inch. \$1.25.  
Red Chief, heavy draw cut. \$3.00.



**MASTICA.**

For glazing greenhouses, sash, etc. Does not harden and crack like putty, and can be applied in one-tenth of the time.  
In gallon cans only, per gallon .....\$1.50



**TREE PRUNERS.**

Eight-foot handles. \$1.00.  
Ten-foot handles. \$1.10.  
Twelve-foot handles. \$1.25.



**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.

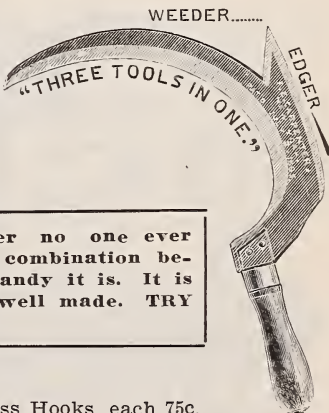
No. 3. Steel trowel, better finished than the above. 15c.

**PRUNING KNIVES.**

We have a good assortment of these, ranging in price from 50c to \$1.50. If out-of-town customers will tell us about what they want, we can give them good value for money sent.

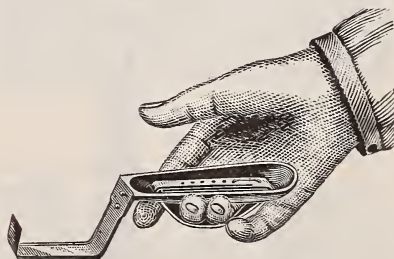
**GRAFTING WAX.**

1/4 lb. ....10c  
1/2 lb. ....20c  
1 lb. ....35c



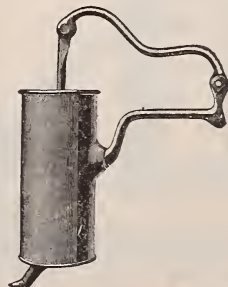
It is a wonder no one ever thought of this combination before. See how handy it is. It is good steel and well made. TRY IT.

"Three in One" Grass Hooks, each 75c.



**LANG'S HAND WEEDER.**

Each, 25c; postpaid, 30c.



**MASTICA MACHINE.**

Mastica Machine, each.....\$1.00



**WOOD LABELS.**

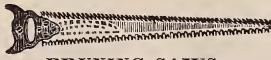
Tree, wired.  
Pot,

Per M., 90c.  
Per M., 65c.

**RAFFIA.**

For tying plants.

Lb., 25c.



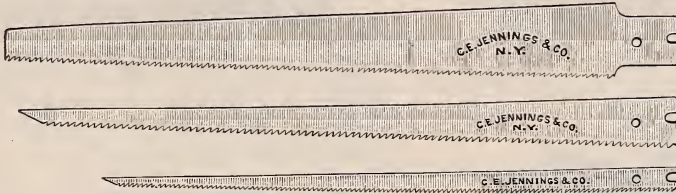
**PRUNING SAWS.**

Duplex. 18-inch, 80c; 20-inch, 85c.  
California (curved blade). 75c.  
Disston (plain back). 18-inch, 85c; 20-inch, \$1.00.

**NESTS OF SAWS.**

Compass and Panel Saws, 14 inches; Key-Hole, 12 inches. ALL STEEL, filed and set for use.

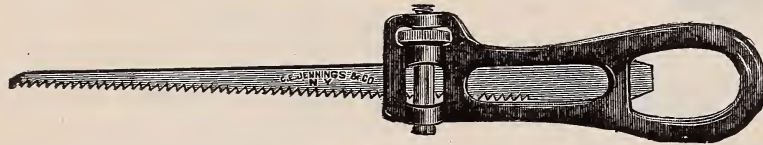
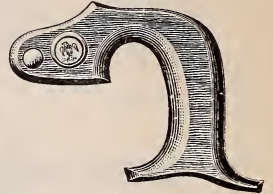
Set complete, in box, \$1.00; postpaid, \$1.20.



**HOUSEKEEPER'S HANDY SAW.**

Will cut METAL, HAM BONE or WOOD. The blade is of tempered steel.

Each, 25c; by mail, postpaid, 35c.



**KEY-HOLE SAWS.**

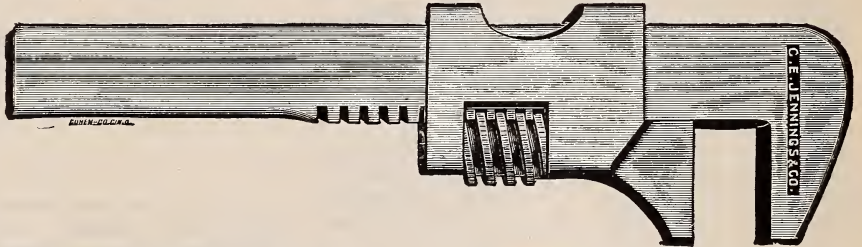
Seven-inch blade, filed and set.

Each, 25c; postpaid, 30c.

**THE HANDY WRENCH.**

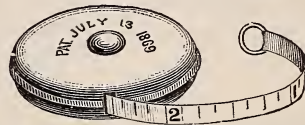
This wrench is finely finished, nickel plated and forged from steel prepared especially for the purpose. The jaws are hardened, the milling is perfect and accurately finished.

Each, 25c; postpaid, 35c.



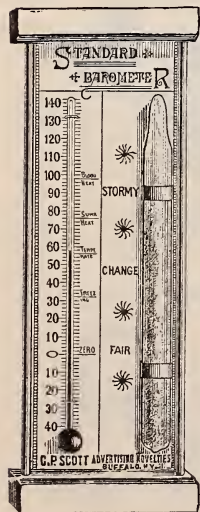
**NICKEL-PLATED POCKET LEVEL.**

Every level is thoroughly inspected and is **WARRANTED ACCURATE.** Each, postpaid, 40c.



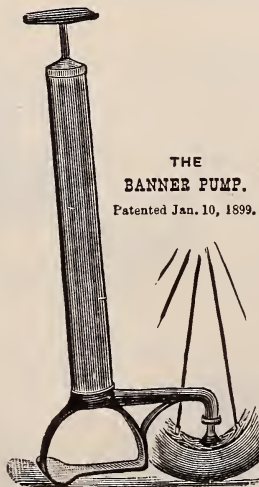
Five-foot pocket tapes; nickel-plated case.

Postpaid, 35c.



**COMBINED THERMOMETER AND STORM GLASS.**

Postpaid ..... 35c



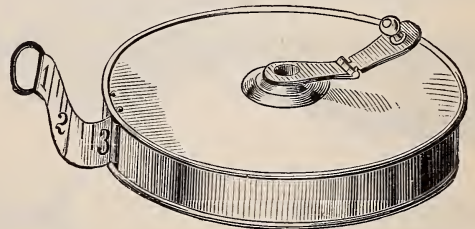
**THE BANNER PUMP.**

Patented Jan. 10, 1899.

**AUTOMATIC BICYCLE PUMP.**

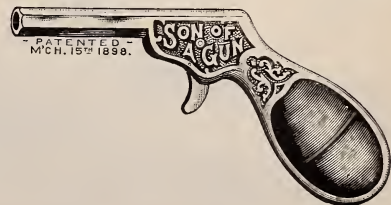
No stopping to connect. No swivels to leak air. No rubber hose to clog. Will fit any tire. Efficient, durable and cheap.

Each, 50c.



Fifty-foot measuring tape.

Postpaid, 40c.



A weapon that protects but does not kill or seriously injure any living creature. The only ammunition is water, and it will shoot many times with one reloading. Full directions with each gun.

Each, postpaid, 50c.



**TRAPS.**

**"Out o' Sight" Mouse Trap**

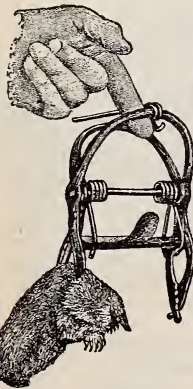


**THE "OUT O' SIGHT" TRAP IS SURE TO CATCH 'EM. NO BAIT REQUIRED.**

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.

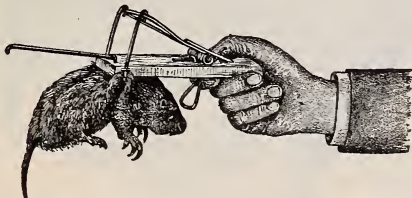
**THE SECRET OF MOLE CATCHING**

is a GOOD TRAP, and to know their habits.

Full information sent with each trap.

Price, each....\$1.00  
Postpaid..... 1.25

**"Out o' Sight" Gopher Trap**



**NEW PRINCIPLE**

When properly set will catch 19 out of 20.

The Best Trap Made for **POCKET GOPHERS.**

No Danger and Easy to Set. Sure Catch.

Sample trap, sent postpaid for 25 cts.

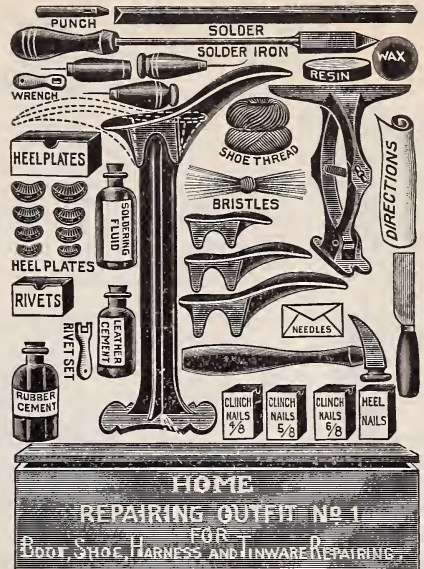
Full Directions With Each Trap.

**DANDY MOLE TRAP.**

Each ..... 25c  
Postpaid ..... 37c

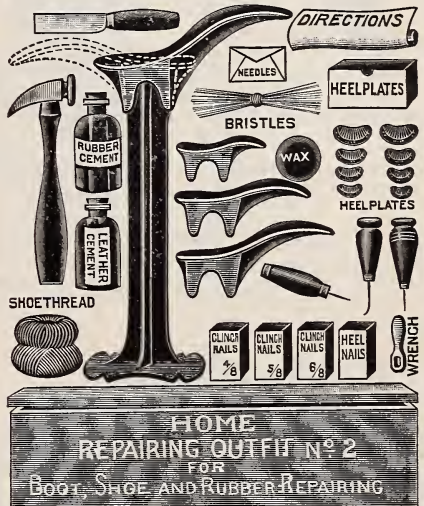
**EASY WHEN YOU KNOW HOW!**

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 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.



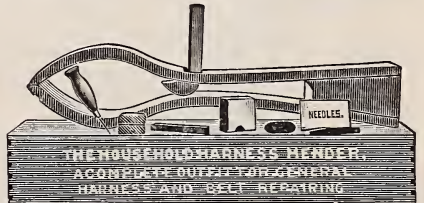
Home Outfit, No. 1.

\$1.75.



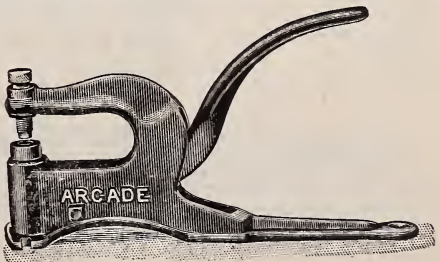
Home Outfit, No. 2.

\$1.40.



Harness Mender.

\$1.40.



**RIVET SETTER.**

A heavy and well-made machine for mending harness and belts; weighs 3 3/4 lbs. Express, 75c. Assorted rivets. Per box, 15c; postpaid, 20c.



# BEE SUPPLIES.

Northwestern Agents for THE A. I. ROOT CO., Medina, O.



64 or 52.

No. 64-8 is an 8-frame, 1½-story hive, complete for comb honey, with foundation starters and nails.

Each, nailed or boxed, \$2.15.  
Ten in flat, crated, \$17.50.



644 or 522.

No. 52-8 is an 8-frame, 1½-story hive for comb honey, complete, except sections and foundation starters.

Each, nailed or boxed, \$1.85.  
Ten in flat, crated, \$15.00.

No. 644-8 is an 8-frame, 2-story hive, complete for comb honey. These hives are made by adding an extra super to the 1½-story.

Each, nailed or boxed, \$ 2.75.  
Ten in flat, crated, \$22.50.

No. 522-8 is an 8-frame, 2-story hive for comb honey. Same as 644, but without sections or foundation starters.

Each, nailed or boxed, \$2.35.  
Ten in flat, crated, \$19.00.



55.

No. 55 is an 8-frame, 2-story hive for extracting; has 16 Hoffman frame and two division boards.

Each, nailed or boxed, \$2.25.  
Ten in flat, crated, \$18.50.

No. 64-10 is a 10-frame, 1½-story hive, complete for comb honey. Each, nailed or boxed, \$ 2.40.  
Ten in flat, crated, \$20.00.

No. 52-10, a 10-frame, 1½-story hive, complete, except sections and starters.

Each, nailed and boxed, \$ 2.05.  
Ten in flat, crated, \$17.00.

Five hives, any kind, K. D., same rate as ten.

### PARTS FOR 8-FRAME HIVES.

	Each.	Ten in flat.
Bottom .....	30c	\$2.50
Cover .....	35c	3.00
Body, empty, with rabbets.....	45c	4.00
Body, No. 5, with frames and division boards .....	85c	7.25
No. 6, same, with starters added.....	95c	8.25
Shallow super, 4¼ in. deep, with tins.....	35c	2.75
Deep supers, 5¼ in. deep, with tins.....	35c	3.00
Super No. 2 has section holders, followers and separators, or fences.....	55c	4.20
Super No. 4, same as No. 2, with sections and starters added.....	65c	5.75

### DOVETAILED CEDAR HIVES.

No. 64-8. An 8-frame, 1½-story hive, complete for comb honey. Each, nailed or boxed, \$1.80.  
Ten in flat, crated, \$15.00.

No. 52-8. An 8-frame, 1½-story hive, complete except sections and starters.

Each, nailed or boxed, \$1.25.  
Ten in flat, crated, \$12.00.

No. 55-8. An 8-frame, 2-story hive for extracted honey. Has 16 Hoffman frames and two division boards. Each, nailed or boxed, \$2.00.  
Ten in flat, crated, \$16.00.

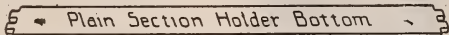
### DANZ HIVES.

No. 64. An 8-frame, 1½-story hive, complete for comb honey. Each, nailed or boxed, \$2.50.  
Ten in flat, crated, \$21.50.

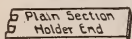
No. 52. An 8-frame, 1½-story hive for comb honey, except sections and starters.

Each, nailed or boxed, \$2.25.  
Ten in flat, crated, \$19.00.

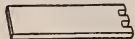
### SECTION HOLDERS.



Plain Section Holder Bottom



Plain Section Holder End



1½x17½ inches, plain, per 100.....	\$1.75
1⅝x18⅝ inches, slotted, per 100.....	\$2.00
1¾x18⅝ inches, slotted, per 100.....	\$1.50
Bottoms only, slotted, per 100.....	\$1.00



### ROOT'S BEST SECTIONS.

	100	500	1000
4¼x4¼x15-16 inches .....	60c	\$2.35	\$4.50
4¼x4¼x17½ inches .....	60c	2.35	4.50
4¼x4¼x1¾ inches .....	60c	2.35	4.50
4¼x4¼x7 to foot.....	60c	2.35	4.50
4¼x4¼x1½ inches, plain, for fence separators .....	60c	2.35	4.50
3⅝x5x1½, for ideal supers.....	60c	2.35	4.50
4x5x1¾, for Danz hives.....	60c	2.35	4.50

Prices of second quality on application.

### SEPARATORS.

Slotted, sawed, 4½x18, per 100.....\$1.00

### FENCE.

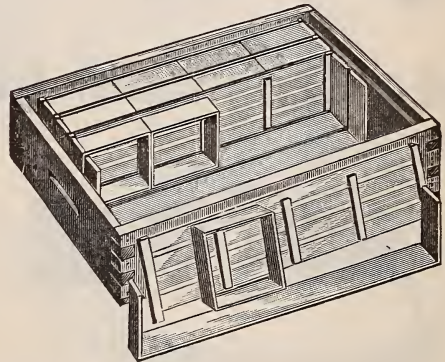


I. Fence.—Used in deep super with 3⅝x5x1½ plain sections.

P. Fence.—Used with Dov. super with plain section holders and 4¼x4¼ plain sections.

S. Fence.—Used with plain 4¼ sections in slotted section holders. Per 100, \$2.00.

### SUPER WITH PLAIN SECTION AND FENCE SEPARATORS.



### HOFFMAN FRAMES.

Self spacing. 10, 30c; 100, \$2.50.

### ITALIAN 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.

Queens by mail are prepaid, and safe arrival warranted.



We are now paying 25c. per pound, in trade, for clean beeswax, delivered at our store. Price subject to market changes.



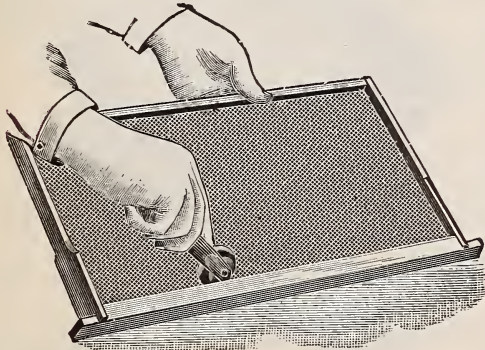
OUR  
**"Weed Process"**  
 Foundation



Is made by the A. I. Root Co. and is a very superior article. Packed in 1, 2, 3 and 5-lb. paper boxes, or 25 lbs. in a case. Samples mailed free on application.

	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.

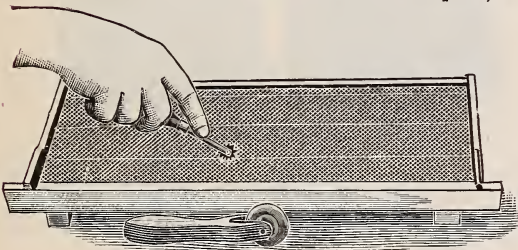


**DAISY FOUNDATION ROLLER.**

Postpaid, 20c.

**BLOOD'S ROLLER.**

Postpaid, 20c.



**SPUR WIRE-IMBEDDER.**

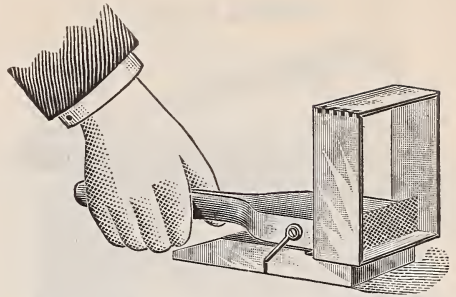
This is like a tracing wheel, with the teeth set so as to straddle the wire while imbedding it.  
 Postpaid, 20c.

**HUBBARD'S SECTION PRESS.**



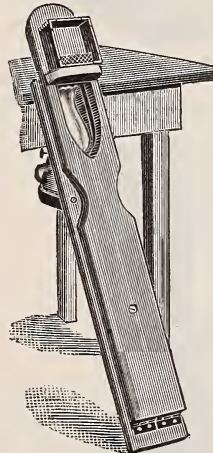
Weight, 25 lbs.

Price, \$3.00.



**PARKER'S FOUNDATION FASTENER.**

Price, 30c; by mail, 45c.



**DAISY FOUNDATION FASTENER.**

Price, without lamp..\$1.00  
 Weight, 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.**

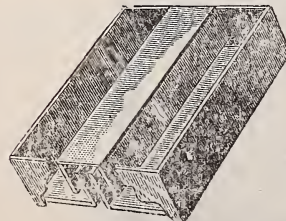
50c; by mail, 15c each extra.

**FEEDERS.**



**SIMPLICITY.**

Each, 10c; postpaid, 15c.



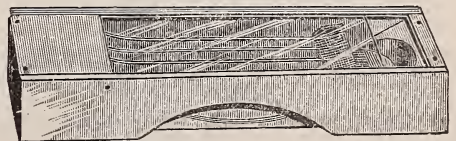
**MILLER.**

Nailed, 35c; flat, 30c.



**BOARDMAN.**

Each, 25c.



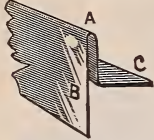
**GRAY SIMPLICITY.**

This is a Simplicity feeder, with a glass cover.  
 Each, 15c; postpaid, 30c.



**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.

Rabbits of other lengths will be 1 1/4c per foot. Rabbits are included with all our hives.

- T-Tins, 14 inches and under.....\$1.25
- 100
- T-Tins, over 14 inches and up to 16 inches.....\$1.40
- Flat Tins, 14 inches and under .....\$0.50
- Flat Tins, over 14 inches, up to 20 inches.....\$0.75
- Bent Staples, about 400 to a pound.
- 3 oz., 10c; lb., 40c.

**NO. 30 TINNED WIRE.**



	Each.	Doz.
	postpaid.	express.
3/4-oz. Spools .....	5c	\$0.35
1/4-lb. Spools .....	20c	1.25
1/2-lb. Spools .....	30c	2.25
1-lb. Spools .....	50c	3.50
		Express.
5-lb. Coils each .....		\$1.25

**SHIPPING CASES. (Non-Drip.)**

24-lb. single tier; price, including glass, paper and nails, Each, K. D., 25c; 10, \$2.00.

**BOOKS.**

Every bee-keeper, and especially a beginner, 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.

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**ADVANCED BEE CULTURE**, by W. Z. Hutchison. 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.

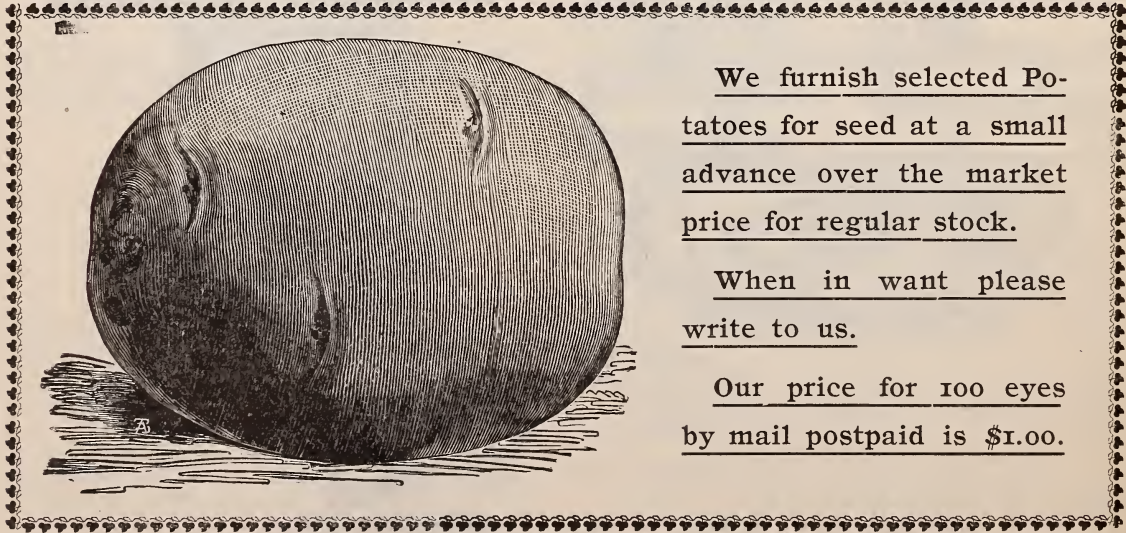
**TOMATO CULTURE**, by J. W. Day, D. Cummins and A. I. Root. 135 pages; illustrated; 35c.

**THE NEW ONION CULTURE**, by T. B. 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.

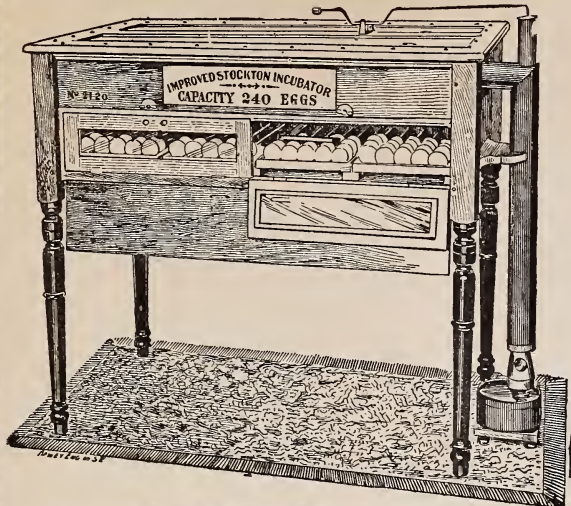


We furnish selected Potatoes for seed at a small advance over the market price for regular stock.

When in want please write to us.

Our price for 100 eyes by mail postpaid is \$1.00.





**ABSOLUTELY SELF-REGULATING.**  
 .....240 EGG MACHINE.

**NEW MODEL**

# STOCKTON INCUBATOR

An up-to-date **HOT AIR** Machine. Has been on the market 7 years and several thousand are now in **SUCCESSFUL OPERATION.**

Price of **INCUBATORS** with everything ready for use. We prepay freight to any railroad station or steamboat landing in the Northwest.

		NEW MODEL.
NO.	CAPACITY.	EACH.
0.	64 Eggs	\$10 00
1.	120 "	18 00
2.	180 "	23 50
3.	240 "	26 00
4.	360 "	36 50
5.	480 "	42 00
6.	600 "	52 50
7.	1000 "	79 00

Price of **BROODERS** complete for use (except thermometer and runs), freight prepaid, same as incubators.

NO.	CAPACITY.	DIMENSIONS.	EACH.
0.	60 chicks.	Inside 2 ft. x 24 in....	\$ 3 50
1.	120 "	" 4 ft. x 20 in....	5 00
3.	180 "	" 6 ft. x 20 in....	7 50
1.	100 "	Outside 4 ft. x 20 in....	15 00
2.	150 "	" 6 ft. x 20 in....	18 00
3.	200 "	" 6 ft. x 30 in....	21 00

*Regular sizes are kept in stock. Large sizes furnished on short notice.*

## TWELVE REASONS

Why the advantages of the **IMPROVED STOCKTON INCUBATOR** are not enjoyed in the use of any other:

**FIRST:** Our machine can be left 24 hours at a time with safety, if necessary.

**SECOND:** Every machine is tested before leaving the factory.

**THIRD:** Improved Stockton Incubators are absolutely self-regulating.

**FOURTH:** Our machines will keep even temperature in the coldest weather.

**FIFTH:** It is built by first-class mechanics and of the best material to be had.

**SIXTH:** The neatest constructed and the most durable Incubator in use.

**SEVENTH:** Of all Incubators, without any exception, the easiest to operate.

**EIGHTH:** Will hatch hens, ducks, turkeys, geese, or eggs of any other fowls equally well.

**NINTH:** The egg chambers are large and roomy, so that chicks cannot get injured in hatching.

**TENTH:** Our machines are extremely simple to manage.

**ELEVENTH:** Will hatch as large a percentage of fertile eggs as any other Incubator, not excepting the higher-priced machines.

**TWELFTH:** Requires less attention than any other known hatcher.



**64 Egg Machine.**





LAMBERSON'S  
1900  
STANDARD  
SEEDS  
TREES &  
FERTILIZERS.

Buell Lamberson,  
PORTLAND,  
OREGON.

