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# E. ANNABIL & CO.

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U.S. Department of Agriculture  
Washington, D.C.  
**SEED Annual**

1903



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## McPHERSON, KANSAS.



# **E. ANNABIL & CO.'S**

## **DESCRIPTIVE PRICE LIST AND SEED ANNUAL.**

**O**UR seeds are all grown from selected stocks UNDER CONTRACT in such sections of America and Europe, as long experience has shown to be best adapted to special varieties. We always seek the best sections irrespective of cost. At no one location in the world can all varieties be produced of the greatest possible perfection. If you send your orders to us you are ABSOLUTELY sure that you will get the very best.

Some seeds are scarce this season, and the market price is higher than usual. These include beans, peas, and vine seeds—especially cucumbers and squash in particular. But our prices on all seeds are as low as the market permits.

With sincere thanks for your patronage in the past and trusting for a continuance of the same, we remain,

Sincerely yours,

E ANNABIL & CO

**Reference:**

**The Citizens State Bank  
of McPherson, Kansas.**

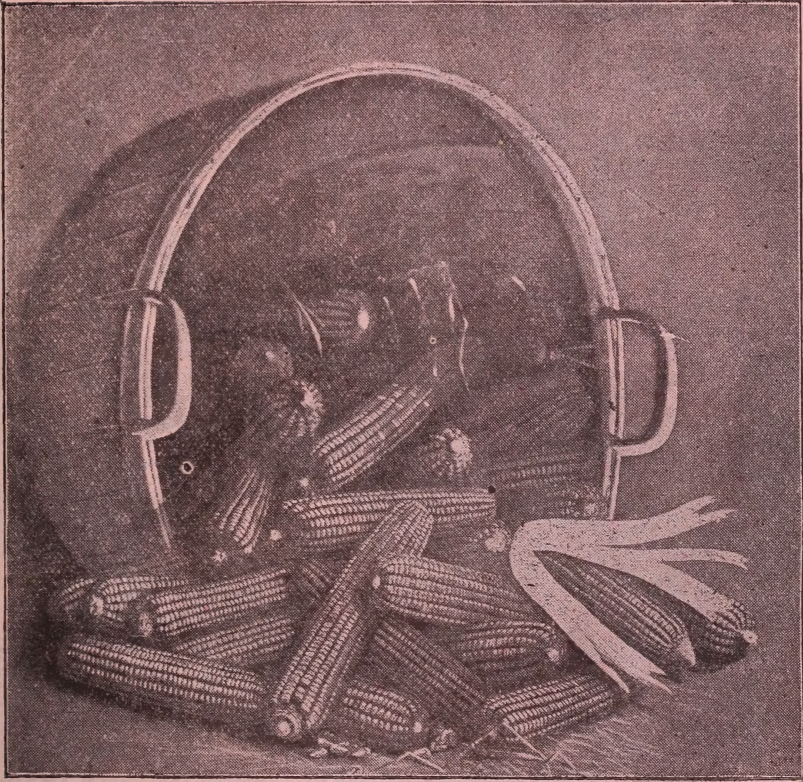
**T. C. SAWYER, President.**

**F. B. CLARKE, Vice Pres.**





## Kansas Beauty



*D. K. WADE, Painter, McPherson, Kansas.*

The above cut is from a photograph of a painting and is a perfect representation of

## OUR KANSAS BEAUTY CORN

— the largest grained and handsomest yellow corn we have ever seen. The ears are of perfect form and grow to remarkable size. Well filled to the extreme tip of the cob with ten to fourteen regular rows of bright golden grain. The cobs are unusually small for so large an ear. It is ten days earlier than the Golden Beauty and will yield one-third more corn to the acre. Pkt. 10c; lb. 25c; postpaid. By express or freight,  $\frac{1}{4}$  bu. 60c; bu. \$2.00.



### Kaiserine Aug. Victoria.

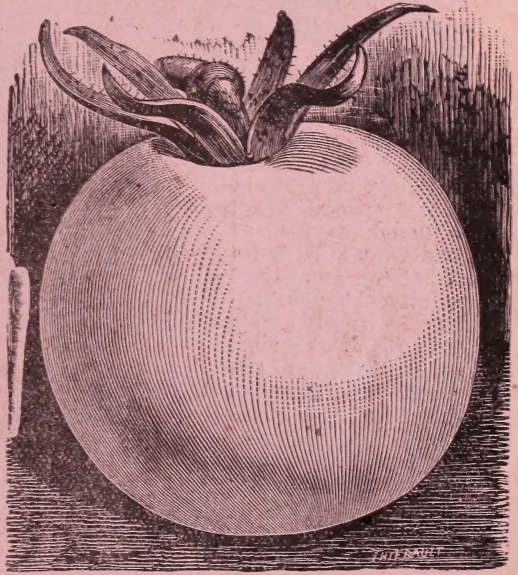
This is the queen of white tea roses, magnificent in bud and a grand full double open rose, a strong grower and free bloomer—a good house rose and splendid garden rose. It is hardy when protected with straw or hay. Two-year-old plants 30c each.



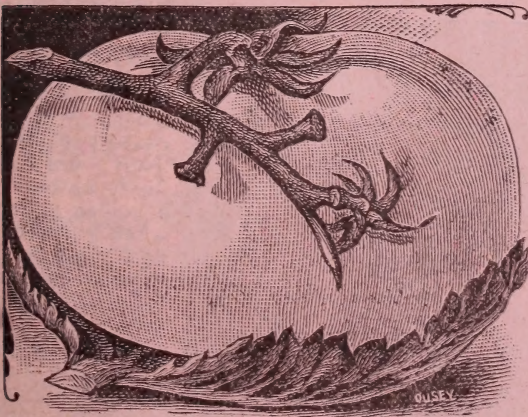
## The Grand New Tomato—"SUCCESS"

"Success" is a magnificent new scarlet-fruited Tomato of finest quality, handsome appearance, large size, and immense productiveness. The vines are of strong vigorous growth with abundant foliage. The fruits, set in

Clusters are very even and regular in size, averaging three inches in diameter and two to two and a half inches through from stem to blossom end. Color brightest scarlet; perfectly smooth and free from cracks; the interior is usually meaty, having a very large and entirely solid center, but no hard or green core, being evenly ripened throughout. Seed-cells few and extremely small, with very few seeds. It ripens with the second earliest and yields abundantly throughout the season. The handsome color, even size and great solidity of "Success" make it an excellent market sort. It is particularly well adapted also to canner's use by reason of its rich deep color, unusual solidity of flesh, and desirable form for rapid peeling, without waste. Its fine flavor, (either raw or cooked) will quickly make it a popular favorite on



the home table. Pkt 10c;  $\frac{1}{4}$  oz 20c;  $\frac{1}{2}$  oz 30c; oz 50c.



## Yellow

## Prince

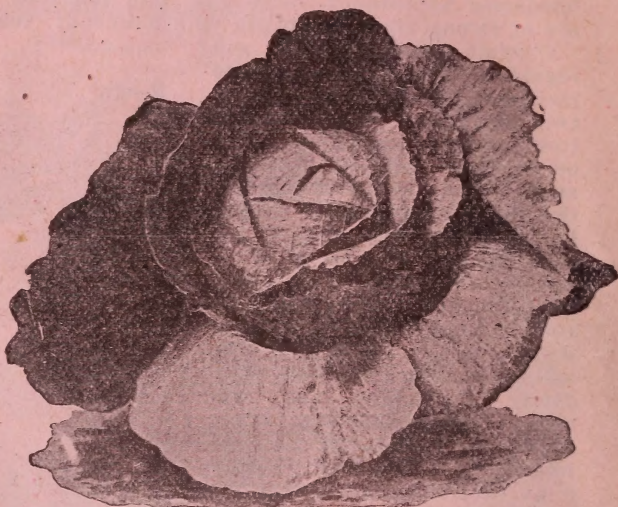
## Tomato.

This new Tomato completes the list of upright or dwarf growing sorts. Its rank and sturdy growth makes it very interesting to cultivate and this with its beauty and usefulness will delight every lover of a good garden. On account of its manner of growth a dozen plants occupy only two yards square. It is as early as the Dwarf Champion. The texture is solid and flavor very desirable. Pkt 10c; 3 pkt 25c; oz 50c.

## Earliest of all Cabbage

20th Century.

This new variety came from Denmark, the home of the famous Danish Ball-head winter cabbage, and is without exception the earliest cabbage ever introduced. The Twentieth Century has a round shaped head. A novel feature of this variety is in its forming a number of small cabbages similar to Brussels Sprouts at the base of cabbage or top stem. The heads of the Twentieth Century are round and solid as a cannon



ball and earlier than any other sort. It grows more compactly, thus, yields a much larger crop than either Wakefield or Winningstadt. For garden or market use it is unexcelled. Pkt 10c; ½ oz 30c; oz 50c.

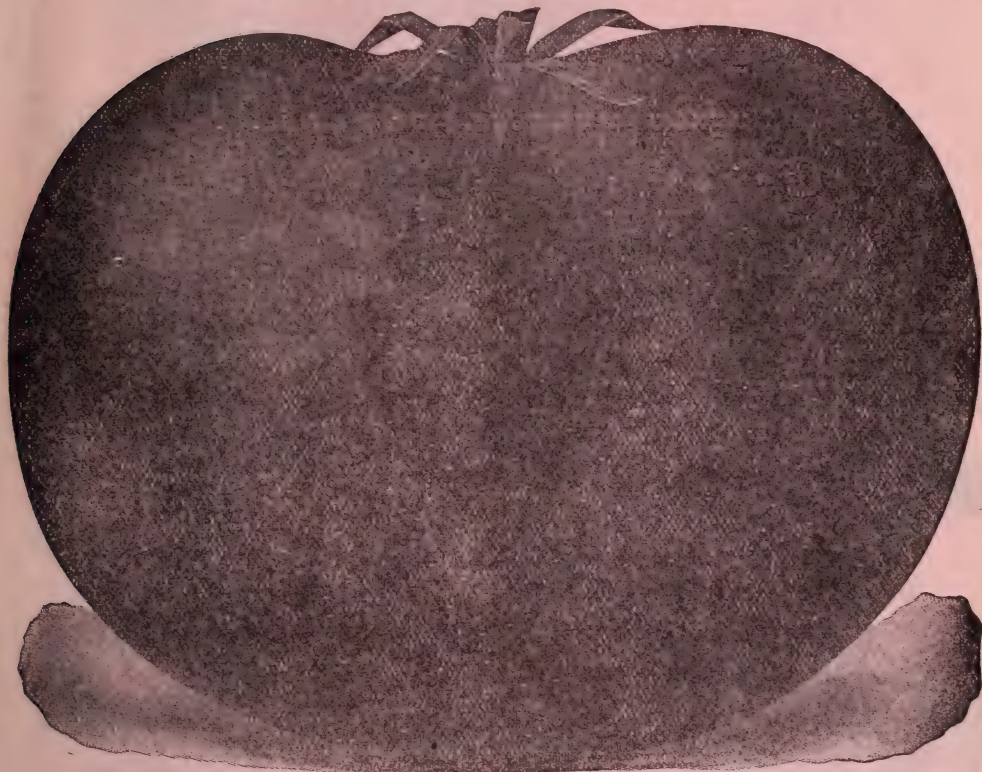
## Rocky Ford Melon



It is the finest small fruited melon yet in cultivation. Fruits even and regular in size, generally nearly a perfect globe, but sometimes slightly oval. They are always finely netted and of a golden yellow hue when ripened. The flesh is light green in color, melting and luscious in flavor. It has been long the leading variety in Philadelphia markets, and has been recently brought into extended popularity by the fine fruits shipped all over the country from Colorado. Vines of strong

healthy growth, very prolific and fruits ripen early. Pkt 5c; oz 10c; ¼ lb 25c; lb 75c.

## ENORMOUS TOMATO



A new Late Large Red Tomato. It is very large, smooth and of fair quality. It has a large size to recommend it. But it is not equal to the Crimson Cushion or Buckeye State except in size. We recommend it to any one wishing to grow exceedingly large tomatoes. Pkt 10c; 3 pkts 25c.



### Ornamental Pomegranate.

#### Queen Ann's Pocket Melon.

Grows on a pretty vine. Its handsome. Fruit is a lemon yellow, striped with dark orange varying from the size of a small peach to that of an orange. Very fragrant. Very prolific and easily grown. Pkt 5c; 6 pkts 25c.



## Our One Dollar Collection.

- BEANS—German Black Wax, best wax pod variety.  
 BEET—Early Blood Turnip, one of the earliest and best.  
 BEET—Long Blood Red.  
 CABBAGE—Surehead, large solid heads.  
 CABBAGE—Hendersons Early Summer, 2nd early large flat heads.  
 CARROT—Danver's Half Long, equally good for table or stock.  
 CUCUMBER—White Spine.  
 CELERY—White Plume, crisp and self-blanching.  
 CORN—Stowell's Evergreen, the best and most popular variety.  
 WATERMELON—Dixie, equal to the famous Kolb Gem and 10 days earlier.  
 WATERMELON—Phinney's Early, a good early variety.  
 MUSKMELON—Netted Nutmeg.  
 MUSKMELON—New Hackensack, a large, green-fleshed nutmeg.  
 ONION—Large red Wethersfield, a great yielder and excellent keeper.  
 ONION—Prize Taker, a beautiful Spanish onion, large size.  
 ONION—Yellow Danvers.  
 PEA—First and Best.  
 PEPPER—Long Red, Cayenne, strong flavor.  
 PUMPKIN—Dark Cheese, good pie pumpkin.  
 SQUASH—Summer Crook Neck.  
 RADISH—Chartier, largest early.  
 RADISH—Early Scarlet Turnip.  
 TOMATO—Livingston Perfection, smooth solid.  
 TOMATO—New Stone, best for market.  
 TURNIP—Early, Purple Top.  
 PARSNIP—Hollow Crown, the best.  
 LETTUCE—Early Curled Salesian, good early curled variety.  
 LETTUCE—Prize Heads, one of the best head varieties.

- SALSIFY—Mammoth Sandwich Island  
 RHUBARB—Victoria Giant  
 EXTRA—Sweetheart Watermelon, 1 pkt 10c.  
 Holland Cabbage, 1 pkt 10c.  
 Yellow Prince Tomato, 1 pkt 10c.  
 New Stone Tomato, 1 pkt 10c.

## Our Fifty Cent Collection.

- BEET, Dewing's Blood Turnip, 1 pkt. BEANS, Golden Wax, 1 pkt. CABBAGE, Early Jersey Wakefield, 1 pkt. CUCUMBER, Long Green, 1 pkt. CORN, Stowell's Evergreen, 1 pkt. LETTUCE, Curled Salesian, 1 pkt. MELON, Columbus, 1 pkt. DIXIE, 1 pkt. ONION, Yellow Globe Danvers, 1 pkt. PARSNIP, Hollow Crown, 1 pkt. PEAS, First and Best, 1 pkt. PEPPER, Mango, 1 pkt. CROCKNECK SQUASH, Summer, 1 pkt. TOMATO, Buckeye State, 1 pkt. TURNIP, Purple Top, Munich, 1 pkt.  
 EXTRA—Yellow Prince Tomato, 1 pkt 10c.  
 Rocky Ford Melon, 1 pkt 5c.

## Our Twenty-Five Cent Collection.

- BEET, Eclipse, 1 pkt. BEANS, German Wax, 1 pkt. CABBAGE, All Head Early, 1 pkt. CUCUMBER, Early Frame, 1 pkt. ONION, Prize taker, 1 pkt. PEAS Little Gem, 1 pkt. RADISH, Scarlet Turnip, 1 pkt.  
 EXTRA—New Stone Tomato, 1 pkt 5c.  
 Holland Cabbage, 1 pkt 10c.

## Special Premiums.

- With each order for Carden and Flower Seed amounting to \$1.00 we will send extra  
 Sweetheart Melon.....1 pkt 10c  
 Yellow Prince Tomato.....1 pkt 10c  
 Rocky Ford Melon.....1 pkt 5c

## **RAPE==DWARF ESSEX.**

The true Dwarf Essex Rape is largely grown in the cooler sections of Europe as a fattening food for sheep in the autumn. It is equally as valuable for our climates, and we have found it especially desirable for pasturing hogs during summer months. In the northern States

**Seed may be sown at any time from early in spring until  
the end of August,**

but in the warm southern states it should not be sown until September or October for winter pasturage. Sow ten or twelve pounds per acre broadcast and harrow in lightly, or four or five pounds per acre in drills fifteen inches apart. Its fattening properties are estimated to be

**Twice as great as first class clover.**

There is no better variety, no matter how "fancy" a name it may have, than this true Dwarf Essex rape. Pkt of 2 oz 10c; per lb 25c; postpaid. By express or freight: 25 lbs \$2.50; 50 lbs for \$4.50.

## **Gradus, or "Prosperity"**

**Extra Early Long-Podded Peas.**

This is a new large-podded marrow of the finest quality, maturing pods only two or three days later than the small-podded, round seeded extra earlies. Pkt 10c; pt 35c; qt 50c.

## SUGGESTIONS.

**SEEDS, BULBS, AND PLANTS FREE OF POSTAGE**—We will send Seeds, Bulbs and Plants by mail to any part of the United States at prices named in this Catalogue. Postage paid, except in cases noted otherwise. Every package will be paid through to destination. Thus you have only to send us the Catalogue Price, and we guarantee safe delivery by mail, postage prepaid. If these seeds are to be sent by express, at the buyer's expense, deduct EIGHT CENTS for a pound, EIGHT CENTS for a pint, FIFTEEN CENTS for a quart. Half pounds supplied at pound rates, half bushels at bushel rates.

**HOW TO ORDER**—If convenient use the order sheet and printed envelope sent with catalogue. Write plainly, keep a copy of your order, and be sure to sign your name plainly, and give Postoffice, County and State, also Express Office, if different than from postoffice. If you do not receive your seed in reasonable time, write us, telling when and what ordered, amount of money sent, etc.

**PLEASE ORDER** As early as possible, because our stock will be complete and what is more important to you, the seeds will be on hand for planting just when you need them.

**MAKE REMITTANCE** By Postal Note, Postoffice Money Order, Registered Letter, Draft on New York or Kansas City, or by Express. Small remittance may be made in Postage Stamps. Our terms are strictly cash with all orders. We will send no goods C. O. D., unless accompanied by one-quarter of the amount of the order sent, and then orders must amount to \$5.00 or over.

**SHIPPING FACILITIES**—McPherson is located almost in the center of the state, and enjoys all the advantages of a railroad center, having the Santa Fe, Rock Island, Missouri Pacific and Union Pacific railroads. The Wells Fargo, Pacific and U. S. Express. This gives us unequalled shipping facilities, with lowest rates to all parts of the state; besides, you have the assurance of getting your orders in the quickest possible time.

When goods are to be sent by freight or express, give plain shipping directions, otherwise we use our best judgment in regard to the matter.

**MARKET GARDNERS** or other large planters requiring larger quantities of seeds than are offered, are invited to write for our Special Price List. In writing please state whether you are a Market Gardener, Florist, or Dealer in Seeds.

# General List

## of Vegetable Seeds



All Standard Varieties of real merit may be found in this department. We exclude everything worthless, omit the endless number

which are out of date, avoid misleading descriptions, and the offering of same varieties under different names. General instructions, as to planting and growth, while reliable, will not apply equally to all sections, as some allowance must be made for difference in latitude.

**DISCOUNTS** We Sell Six 5-Cent Packets of Seeds for 25 Cents. Thirteen 5-Cent Packages for 50 Cents

On all orders for Flowers or Vegetable Seeds in packets or ounces, the purchaser may select seeds to the value of \$1.25 for each one dollar sent us. Thus, anyone sending us \$1.00 can select seeds in packets or ounces amounting to \$1.25; for \$2.00 seeds in packets or ounces to the value of \$2.50, and so on. This discount applies only on seeds IN PACKETS AND OUNCES, and does not refer to seeds, offered by weight (quarter pound, pound etc.,) or measure (pint, quart, etc.,) nor to POTATOES, ONION SETS, BULBS OR PLANTS.

### BULK SEED DISCOUNTS.

This discount refers to Seeds quoted in catalogue by weight or measure, and not to potatoes, onion sets or bulbs, as some mistook it last season, neither to seeds in packets.

On an Order of \$5.00, 10 per cent.  
On an Order of \$10.00, 12 per cent.  
On an Order of \$20.00, 15 per cent.

## ASPARAGUS

ONE of the earliest spring vegetables, and one that would be in more general use were it known how easily it can be grown. It can be grown in any good soil, but does best in moist, sandy soil. To grow plants from seed, sow in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds in summer, thin out, and the following spring plants may set in beds 6 feet wide, with a 2 foot path each side; set plants one foot apart each way, 4 inches below the surface. The deeper the soil and the more manure used the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow they should be cut and removed from the beds, and just before winter cover beds with 4 inches of coarse, strawy manure or leaves, which should be removed in the spring. A bed 6x60 feet is ample for an ordinary family, and well established is good for twenty years.

**One ounce seed sows 60 feet drill. About 400 plants to the ounce.**

**CONOVER'S COLLOSSAL**—A mammoth variety of vigorous growth, sending up from fifteen to twenty sprouts each year from one to two inches in diameter. Color deep green, and crown very close. Pkt 5c; oz 10c; qr lb 15c; lb 50c.

**PALMETTO**—Claimed to be an earlier, better yielder and more even grower than the colossal. Pkt 5c; oz 10c; qr lb 20c; lb 50c.

**COLUMBIAN MAMMOTH WHITE**—A distinct variety producing shoots which are white, and remain so as long as it is fit for use. Very robust and vigorous in habit, throws large shoots and fully as many as Conover's Colossal; needs no earthing up. Pkt 5c; oz 10c; qr lb 25c lb 75c.



# BEANS

## Dwarf or Bush



Beans are tender and should not be planted until all danger from frost is past; no time is gained by planting before the ground becomes warm. Plant in drills three or four inches apart, or in hills one and one-half feet apart in the row, and rows three feet apart. Hoe often but never when wet with dew or rain, as earth will rust the

leaves and injure the crop, especially in sandy soil

**ONE QUART PLANTS 100 FEET OF DRILL;  
TWO BUSHELS TO THE ACRE.**

At pint or quart price we prepay postage. Pecks or bushels by express or freight at expense of purchaser. Special prices on large quantities.

✓ **RUST PROOF GOLDEN WAX**—Best strain of Golden Wax Bean on the market. It is hardier, much more prolific holds its pods up better, and is of better quality. The pods are straighter, longer and thicker than the ordinary Golden Wax, and are rust proof. Pkt 5c; pt 25c; qt 50c; pk \$2.

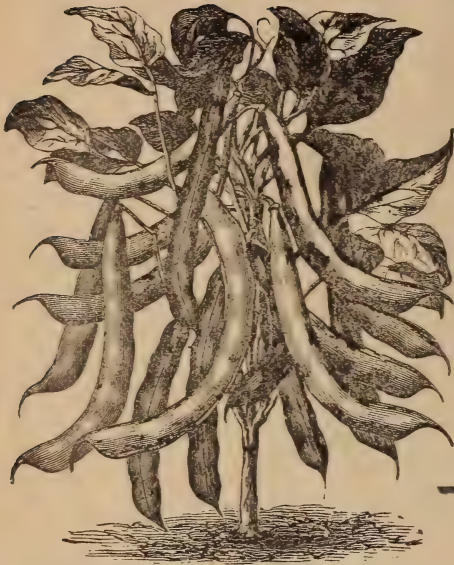
✓ **GERMAN BLACK WAX**—Early, stringless, pods round, waxy-yellow, solid and tender. Pkt 5c; pt 25c; qt 50c; pk \$2.

✓ **WARDWELL'S KIDNEY WAX**—Early. Vine medium, erect hardy and productive. Pods long, broad, flat, brittle and of a delicate waxy-yellow. Beans large kidney-shaped, white and dark markings about the eye. A first class green snap

bean, and a good one for winter. Pkt 5c; pt 25c; qt 50c; pk \$2.

✓ **CHALLENGE DWARF BLACK WAX**—A distinct Extra Early Wax Bean. Vigorous and productive. Pods large and of good color, growing uniform and well together. Pkt 5c; pt 25c; qt 50c pk \$2.

## Green Pod Varieties



**Extra Early Round Pod Valentine.**

✓ **EXTRA EARLY ROUND POD VALENTINE**—At least ten days earlier than the Early Valentine and usually ready to pick in 35 days after planting. The pods are round, thick and fleshy, of finest quality and unequalled in uniformity of ripening; one of the most profitable sorts for gardeners. Pkt 5c; pt 25c; qt 40c; pk \$1.50.

✓ **EARLY MOHAWK**—First early; none better for first planting; productive, very hardy, almost frost proof, can be used when half grown. Pkt 5c; pt 25c; qt 40c pk \$1.50.

✓ **LONG YELLOW SIX WEEKS**—A fine early spring bean. Pkt 5c; pt 25c; qt 50c; pk \$1.50.

✓ **BURPEE'S New Stringless Green Pod**—A very early variety having straight and fleshy pods which are free from strings. The

dry beans are oval, of a chocolate brown color. Pkt. 5c.; pt. 25c; qt. 40c; pk. \$1.25.

✓ **Improved Dwarf Horticultural**—(Goddard, Boston Favorite)—Early, excellent for market, splendid shell beans. Pkt 5c; pt 25c; qt 40c; pk \$1.50.

### ✓ **Burpee's Bush Lima.**

**Burpee's Bush Lima**—This is a bush form of the well known Large White Lima Bean. It is very fixed in its bush character, growing to a uniform height of about twenty inches. While not so early as HENDERSON'S BUSH LIMA, its larger size will commend it to many. The pods are of the exact size of the Large Pole Limas and contain many beans of the same delicate quality. Pkt 5c; pt 25c; qt 45c; pk \$2.00.





✓ **Henderson's Bush**  
 —Lima is enormously productive, bearing continuously throughout the summer until killed by frost. Its greatest merit, of course lies in the fact that it is a true bush variety, requiring no support from stakes or poles, but the experience of all who have grown it has been that it excels in QUALITY, QUANTITY AND EARLINESS. Pkt 5c; pt 25c; qt 50c; pk \$2.00

## Pole or Running Beans.

These are not so hardy and require more care and cultivation than the bush beans, and, as a rule, should be planted two weeks later. Plant in hills from 2 to 3 feet apart, and from 4 to 6 seeds in a hill.

✓ **LARGE LIMA**—The most delicious bean grown. Plant in warm, sandy soil, after all danger of frost is over. Pkt 5c; pt 25c; qt 50c; pk \$1.50.

✓ **WHITE DUTCH CASE KNIFE**—Beans kidney shaped, white, very prolific with broad long pod. An excellent variety for planting with corn. Pkt 5c; pt 25c; qt 50c; pk \$2.00.

✓ **LAZY WIFE'S**—The pods grow from six to eight inches long, entirely stringless and of a rich buttery flavor when cooked. The pods retain their tender, rich flavor until nearly ripe; a good white shell bean for winter use. Pkt 5c; pt 25c; qt 45c; pk \$2.00

✓ **HORTICULTURAL OR SPECKLED CRANBERRY**—The Old Bird Egg Bean Round, speckled, tender for snap beans, not excelled for shelling and SUC-COTASH. Pkt 5c; pt 25c; qt 50c; pk \$2.00.

✓ **RED SPECKLED CUT-SHORT, OR HORTICULTURAL**—An old variety, very popular for planting among corn, and will give a good crop without poles vines medium, not twining very tightly, pods short, round and tender. Pkt 5c; pt 25c; qt 50c; pk \$2.00.

# BEETS.

## FOR THE TABLE.

The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly enriched with manure. If wanted very early, sow in hot beds and transplant; but for main crop sow in the spring as soon as the ground becomes fit to work, in drills about eighteen inches apart and two inches deep. For winter use the turnip varieties may be sown as late as June. When the plants have attained three or four inches, thin out so that they may stand five or six inches apart. Keep free from weeds by frequently hoeing and hand weeding, if necessary. Before freezing weather sets in, the roots may be stored in a cellar or in pits as potatoes, if dry earth is thrown over them before the straw and earth covering is put on it insures their keeping over winter. Be very careful not to bruise them in handling.

One ounce of seed to 50 feet of drill, 5 and 6 lbs to the acre

✓ **Extra Early Egyptian**—The earliest variety grown and very valuable on that account. Pkt. 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **Eclipse**—An improved extra early sort. Tops small, dark red, shading to green on outside. Roots nearly round with small tap roots and very small collar. Pkt. 5c; oz 10c; 1-4 lb 20c; lb 60c.

✓ **Dewing's Blood Turnip**—An excellent red turnip beet—about a week earlier than the blood turnip; flesh rich in color, tender and sweet. Pkt 5c; oz 10c; 1-4 lb 20c; lb 60c

✓ **Extra Early Basano**—An early good beet, tender and juicy, flesh white and rose, when sown late, keeps late in winter, Pkt 5c; oz 10c; 1-4 lb 20c; lb 60c.

✓ **Edmund's Turnip**—Deep red; smooth good size, small top, very early and decidedly popular. Pkt 5c; oz 10c; 1-4 lb 20c; lb 60c.





**Early Blood Turnip.**

common beet for greens, and if sown at the same time will be fit for use before them. Pkt 5c; oz 10c; ¼lb 20c; lb 60c.

✓ **Early Blood Turnip**—An old favorite. Early, productive and of a good quality. Pkt 5c; oz 10c; ¼lb 20c; lb 60c.

✓ **Bastian's Blood Turnip.** Highly esteemed by market gardeners. Extra early; flesh tender, and retains its fine blood red color when cooked. Pkt 5c; oz 10c; ¼lb 20c; lb 60c.

✓ **Lentz**—Has a very small top; originated with a market gardener near Philadelphia. It is about as early as Egyptian, producing a crop in six weeks from time of planting. Pkt 5c; oz 10c; ¼lb 20c; lb 60c.

✓ **Long Blood**—One of the best and most popular table beets, especially for autumn and winter use. A good keeper and exceedingly productive. Pkt 5c; oz 10c; ¼lb 20c; lb 60c.



✓ **Swiss Chard or Silver Beet**—Much superior to the **Long Blood**

**BEETS FOR STOCK.**

✓ **Mangle Wurzel and Sugar Beets**—The value of these for stock feed cannot be over-estimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving in hay. They can be raised at a very trifling cost, and yield immense crops per acre. If the soil is rich, you can hardly get it too rich—they make a heavy growth and the rows should be at least two feet apart, and if large quantities are grown it is best to have the rows wide enough apart to use a horse in cultivating.

**Five or Six Pounds of Seed Required per Acre.**

✓ **Golden Tankard**—An extremely desirable and comparatively new variety which is fast superceding the old sorts. Flesh bright yellow, and in this respect differs from all other varieties, which cut white. Pkt 5c; oz 10c; ¼lb 15c; lb 40c; 5 lbs for \$1.75.

✓ **Champion Yellow Globe**—This variety is much esteemed for its smooth, globe shaped roots, which grow to a large size: a favorite for all stock feeding purposes. Oz 5c; ¼lb 15c; lb 40c.

✓ **Long Red Mangold Wurzel**—A large long variety grown for stock feeding; color, light red, flesh white and rose colored. Oz 5c; ¼lb 15c; lb 40c.



## Sugar Beets.



Sugar Beets are not as heavy yielders as the Mangels but are a superior quality, containing a large amount of Saccharine matter. Thousands of acres are planted with Sugar Beets in Europe for the manufacture of sugar. They are excellent for feeding cows, improving wonderfully the quantity and also the quality of the milk.

✓ **LANE'S IMPROVED IMPERIAL**—An American variety, and the best stock feeding beet for this country. It is not so sweet as the French sugar beets grown especially for sugar making, but the roots are longer and more symmetrical, of fine grain and very sweet, making it good for table use or for cattle feeding. Oz. 5c;  $\frac{1}{4}$  lb 15c; lb 40c; 5 lbs \$1.75.

✓ **YELLOW GLOBE**—Grows to a large size, much above ground; roots half long, yellow; grown in this country for feeding stock. In France it is cultivated extensively for sugar. Oz. 5c;  $\frac{1}{4}$  lb 15c; lb 40c; 5 lbs \$1.75.

✓ **VILMORIN'S IMPROVED IMPERIAL**—A medium sized white sugar beet, brought by the most careful selection to the highest perfection, both in shape, size, and color of the roots. Greatly esteemed by sugar manufacturers. Oz. 5c;  $\frac{1}{4}$  lb 15c; lb 40c; 5 lbs \$1.75.

## BORECOLE OR KALE.

One Ounce of Seed to 100 Yards of Row.

To grow this valuable winter vegetable successfully, it is important that the soil should be deep, well worked and liberally manured. Sow about the middle of April in prepared beds, covered thinly and evenly. Plant out in June, following the directions recommended for the cultivation of cabbage.

✓ **Dwarf Green German**—Sown in autumn for "greens." Hardy prolific flavor similar to cabbage. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00

✓ **Dwarf Purple**—Similar to the above except in color, which is deep purple. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.25.

## ✓ BROCCOLI.

Sow early in spring and transplant and cultivate same as cabbage. The broccoli is similar to the cauliflower. They will produce heads in October and November, and should any plant not be forward enough for use before severe frosts, let them be removed to a light cellar, where they will head during the winter. Pkt 5c; oz 35c;  $\frac{1}{4}$  lb \$1.00; lb \$3.00.

## ✓ Brussel Sprouts.

Cultivate for the small heads that spring in considerable numbers from the main stem. It is a delicacy much esteemed in some parts of Europe, but here it has attracted but little attention. Sow in seed bed middle of spring, and transplant and manage as winter cabbage. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 50c; lb \$1.75.

**CABBAGE.**

The cabbage requires a deep, rich soil and thorough working. For early use, the plants should be started in a hot-bed or cold-frame, but seed for winter cabbage should be sown in a seed bed early in the spring. Some of the large late varieties seem to do best if the seed is sown in hills where they are to remain, and in that case sow two or three seeds where each plant is desired and then pull up all but the strongest. Plant the large varieties three feet apart; the small, early sorts, from a foot to eighteen inches.

One Ounce of Seed Produces About Fifteen Hundred Plants,  
A Half Pound Grows Enough Plants to Set an Acre.



**N w Express.**

✓ **New Express Cabbage**—Produces fair-sized heads in 80 to 85 days from sowing of seeds; does not form as large a head as "Earliest Etampes," but is ahead of this variety several days. An important acquisition for the market gardener and those who grow cabbage for early market. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **Very Early Etampes**—The earliest of all cabbages, except Express. Heads oblong, rounded at top, solid and firm, medium size, very fine quality. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **Early Winningstadt**—One of the surest headers grown, cone-shaped and remarkably hard and solid, desirable for both early and late, quality excellent. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **Early Drumhead**—An early variety, very dwarf with medium sized heads comes in about with the Early Flat Dutch. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **Early Dwarf Flat Dutch**—An excellent second early sort. Heads medium size, solid, flat, grows low on stump, and is of good flavor. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.



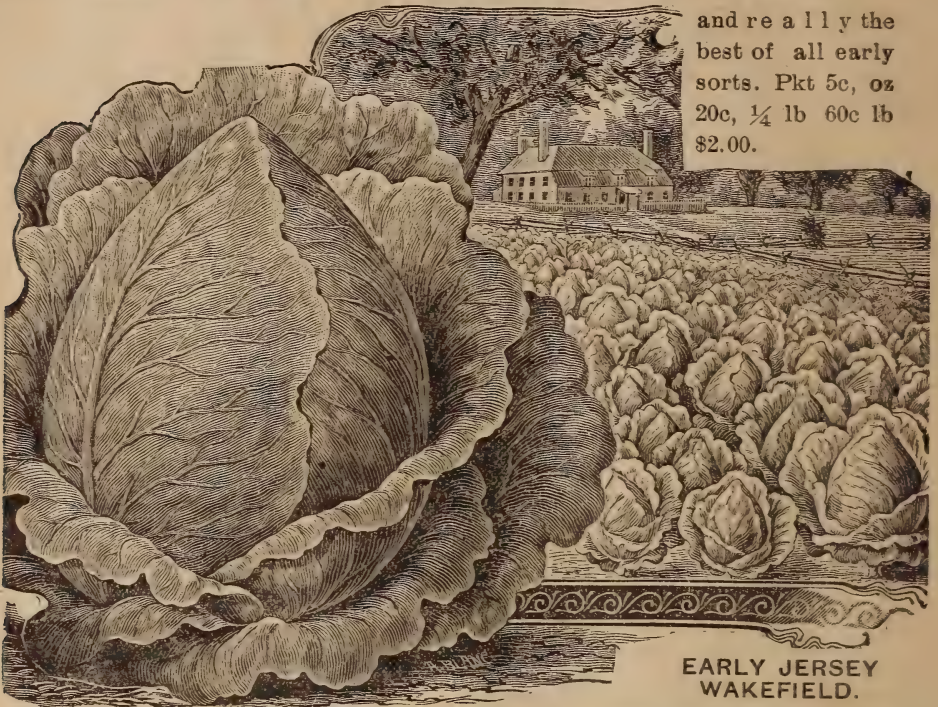
**Early Winningstadt.**

✓ **Early Large York**—Succeeds the Early York of large size about ten days later, more robust and bears the heat better. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.00.

✓ **Early York**—A very valuable early variety. Heads small, firm and tender, of very dwarf growth and may be planted eighteen inches apart. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.

Selected Jersey Wakefield — The favorite early variety for both market gardeners and general use, pointed heads solid

and really the best of all early sorts. Pkt 5c, oz 20c,  $\frac{1}{4}$  lb 60c lb \$2.00.



**EARLY JERSEY  
WAKEFIELD.**

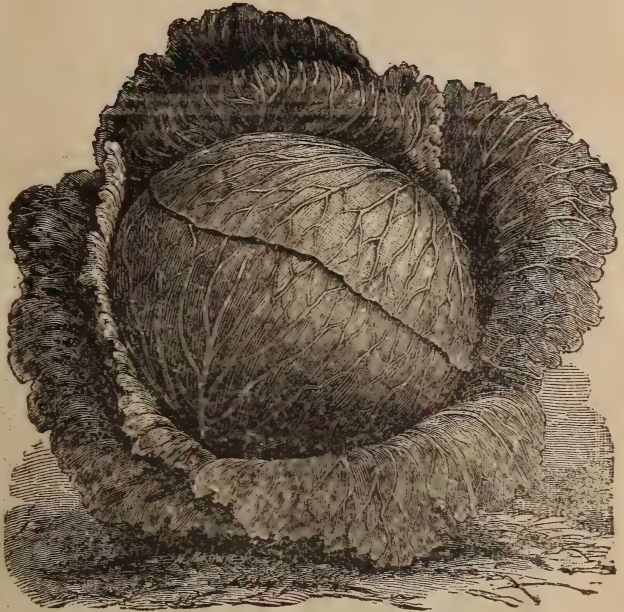
**ALL-HEAD EARLY**—The deep flat heads are remarkably solid and uniform in color as well as shape and size. The main feature of a good cabbage is tenderness, and in this respect it surpasses all others. While All-Head is all that can be desired for earliness, it is valuable for later or winter cabbage. Pkt 5c; oz 20c qr lb 60c; lb \$2.00.

**Seeds sown in July and plants set out about the middle of August will bring heads large and solid.**





✓ **Henderson's Succession**—Now well known, is about one week later than the Early Summer, but of nearly double the size, while it can be planted nearly as close, its outer leaves being unusually short. One of its characteristics is the fact that IT IS ALWAYS SURE TO HEAD. Pkt 5c, oz 20c,  $\frac{1}{4}$  lb 60c, lb \$2.00.



**Henderson's Succession.**  
Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **Early Louisville Drumhead**--Head very large and solid; a sure header; will stand without bursting almost the entire summer. For winter use sow late in the season. Pkt 5c, oz 20c,  $\frac{1}{4}$  lb 60c lb \$2.00.

✓ **Fottler's Brunswick**—A most excellent variety, low on stump, heads solid and compact; sure to head.

✓ **Autumn King**—Enormous solid heads, averaging 15 to 18 pounds; interior creamy white, compact and crisp, measuring from 36 to 40 inches in circumference, and, specially grown, often reaches 25 to 30 pounds each; unequalled for cooking or slicing; flavors especially fine; it is the best winter keeper. Pkt 5c; oz 30c;  $\frac{1}{4}$  lb 75c ; lb \$2.50.



**Choice Large Late Flat Dutch.**

the winter sorts. Plants very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **Choice Large Late Flat Dutch (American)**—This is the most popular variety and more largely grown than any other, the largest and most compact heads of any strain offered. Everybody knows of its good qualities, and the stock we handle has been especially grown for us under our personal supervision. We confidently recommend it. (See cut.) Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **All Seasons**--Heads very large, round, solid, and of fine quality, keeping as well as

✓ **Henderson's Early Summer**—(Selected Stock)—It is about ten days later than the Wakefield, but being fully double the size. It may be classed as decidedly the best large early cabbage, and is deservedly popular with market gardeners. In weight it is equal to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as the Wakefield. It keeps longer without bursting open after heading, than any variety we know of. Pkt 5c; oz 15c;  $\frac{1}{4}$ lb 40c; lb \$1.50.

✓ **Surehead**—Produces large, round flattened heads of Flat Dutch type and is remarkable for its certainty to head. It is the very best cabbage for main crops. We do not hesitate to recommend it for the market or kitchen garden. Pkt 5c; oz 15c;  $\frac{1}{4}$ lb 50c; lb \$1.75.

✓ **Marblehead Mammoth**—The largest cabbage known. Under good cultivation, acres have been grown where the heads would average thirty pounds each. Pkt 5c; oz 15c;  $\frac{1}{4}$ lb 50c; lb \$1.75.



Engraved from a  
Photograph.

✓ **Holland**—This variety is known also as Dutch Winter and Danish Ball Head. Its principal value lies in its hard heading qualities, which make it positively the best shipper and winter keeper of any on the market. The weight of a head trimmed for market is fully one-fourth more than that of any other variety of a similar size. Destined to occupy a prominent place in market produce. Pkt 5c; oz 30c;  $\frac{1}{4}$ lb 75c; lb \$2.50.

✓ **Stonemason**—Characterized by its sweetness and delicacy of flavor, and by its reliability in forming a large head. Very hardy, and will endure the cold of extreme northern climate. Pkt 5c; oz 15c;  $\frac{1}{4}$ lb 40c; lb \$1.50.

✓ **Excelsior**—The Excelsior is medium early, following the Henderson Summer in close succession. Somewhat resembles Fottler's Brunswick, but much larger. Another remarkable quality is that it never cracks, and planted in July makes an excellent winter cabbage. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.

✓ **Early Red Dutch**—Early variety. Will make fine winter cabbage, if sown quite late in the open ground. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 60c; lb \$2.00.

✓ **Late Red Dutch**—Similar to above but later. Used for pickling. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.



✓ **Large Late Drumhead.**

✓ **Large Late Drumhead**—The Drumhead is a large fall and winter variety, with a broad, flat head, short stump tender and good flavored, and an excellent keeper, grown extensively for shipping purposes. Pkt. 5c; oz. 15c; 1-4 lb. 40c; lb. \$1.50.

**Cannon Ball**—This cabbage is so called because the head is as round and almost as hard and as heavy as a cannon ball, a second early variety. The heads when fully grown attain the size of from six to eight inches in diameter. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

✓ **Perfection Drumhead Savoy**—For winter use this variety is unsurpassed. Heads large and solid, very tender and of excellent flavor. Pkt 5c; oz 25c;  $\frac{1}{4}$  lb 75c; lb \$2.50.

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## ✓ CORN SALAD OR LAMB'S LETTUCE

Used as salad. Sow early in spring, in drills one foot apart. If for early spring use, sow in September. Cover with hay or straw as soon as cold weather commences, and it will winter over same as Spinach.

✓ **Large Seeded**—Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 25c; lb 80c.

# Cauliflower

A good extra rich soil is essential for the cultivation of this most delicious vegetable; our most experienced cultivators, however, acknowledge the advantages of a good moist season. Pursue the same general directions as recommended for growing cabbage, watering liberally during the dry weather. An occasional application of liquid manure is beneficial.



**Henderson's Early Snow Ball.**

**Henderson's Early Snow-Ball**—One of the best types of Cauliflower on the market. If planted March 1, large sized heads will be produced early in June, and scarcely a single head will fail to form. The outer leaves are short, so that the plants may be set from 18 to 20 inches apart. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting. Our stock cannot be excelled in quality. Pkt 15c;  $\frac{1}{4}$  oz 75c; oz \$2.50.

**Extra Early Dwarf Erfurt**—The favorite German variety. Dwarf habit, compact growth, short outside leaves, can be planted 20 inches apart. Pkt 15c;  $\frac{1}{4}$  oz 75c; oz \$2.50;  $\frac{1}{4}$  lb \$8.00.

**Extra Early Paris**—Highly esteemed for its earliness and reliability to head. Its hardiness, sure heading and compact growth, make it the best for forcing or wintering over. Pkt 10c; oz \$1.00;  $\frac{1}{4}$  lb \$2.50.

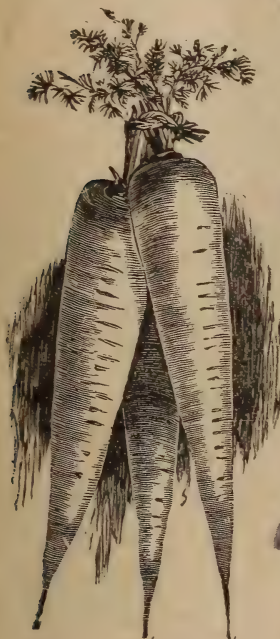
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## CHICKORY.

**Large Rooted or Coffee**—Much used in Europe as a substitute for coffee and large quantities of prepared root are annually exported to this country for similar use. Sow as early in the spring as the ground can be prepared in rich friable soil in drills eighteen inches apart in garden and two and one half in field culture. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 25c; lb 80c.

**CARROTS.****3 TO 4 POUNDS OF SEED TO THE ACRE.**

Deeply tilled soil, of a light, sandy nature, is the most suitable for carrots. Avoid sowing on newly manured ground, which has a tendency to produce forked roots; the land, should, therefore, be manured the previous season. For early crop sow as soon as the ground can be worked, and for later crops, from the beginning until the end of May, in rows fifteen inches apart and half an inch deep. Thin out the young plants to five inches, and keep the surface open by frequent use of the hoe.

**Long Orange.**

diameter of three or four inches at the neck, and of most beautiful shape and rich orange color. It is of extra fine quality and very productive. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

**White Belgian**—Grows one-third out of the ground. Roots pure white, green above ground with small top, flesh rather coarse, grown extensively for stock. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 15c; lb 40c.

✓ **Long Orange**—Standard sort; roots long and smooth; suitable for stock feeding and table use. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

✓ **Early French Forcing**—This variety has two things very much in its favor, namely: its extreme earliness and fine flavor; stump rooted and grows about two inches in length. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 25c; lb 75c.

✓ **Early Scarlet Horn**—Best for early planting out of doors. Top small, coarsely divided, roots tapering abruptly to small top, orange red, flesh thick with distinctly yellow core. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

✓ **Danver's Half Long**—One of the most productive and best for field culture. Roots are large; but short, tapering abruptly to a point, very uniform and handsome, flesh deep orange, sweet and tender. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

**Danver's Half Long.**

✓ **Ox-Heart, or Guerande**—This new French carrot is one of the most valuable of all recent introductions, either for family use or market. It is an intermediate between the Half Long and Horn varieties, attaining a

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and guarantee safe delivery

# CELERY



This is one of the best, if not one of the finest of salad plants. Although largely grown at the present time, still its production should be greatly increased. No dinner table is now regarded furnished without its well filled celery dishes. It may be grown in any garden with very little labor, and especially the dwarf varieties which really do not require to be grown in trenches. Sow the seed in hotbeds or in a box in the house, or in the open ground as soon as the soil can be worked, and when the plants are four to six inches high, make trenches, a foot deep and four or five feet apart. Enrich thoroughly the bottom of the trenches, a foot deep and plant six to eight inches in trenches, and as the plants grow haul the fine earth up about them to blanch their stems. The dwarf kind may be set on the surface in rows three feet apart, and the stems blanched by hilling them.

**Kalamazoo**—The most perfect type of Dwarf White Celery known. It is perfectly distinct and is of a beautiful cream white color throughout, attains a very large size, is of quick growth, showy and handsome appearance. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.

**Golden Heart**—A very popular and distinct variety. In habit of growth it resembles the Half Dwarf sorts, except that when blanched the heart, which is large and full, is of a waxy golden yellow. It is a most striking and showy variety, for either market or private use. It is entirely solid, of excellent flavor, and keeps well during the winter. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

**Boston Market**—The most popular sort in the market of Boston, and the only one planted by the market gardeners of that vicinity. It forms a cluster of heads, instead of a single large one, and is remarkably tender and crisp. The best variety for light soils. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.

**White Plume**—This new celery is valued because, naturally, the stalks and portions of the inner leaves and hearts are white, by simply tying up the stalks and drawing up the soil with the hoe, the work of blanching is complete. It is ornamental, tender, crisp and of good flavor, and very early. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.

**Golden Self Blanching**—The plant is of beautiful appearance, of close habit, compact in growth, and straight, vigorous stalks. The ribs are perfectly solid, crisp and brittle, and of delicate flavor, surpassed by no other variety, while it has the decided merit of being self blanching to a very remarkable degree. Pkt 5c; oz 25c;  $\frac{1}{4}$  lb 75c; lb \$2.50.

# CORN==SWEET

Pint and quart postage prepaid. One-fourth bushel and bushel by freight or express at expense of purchaser.

Allow One Quart of Seed to 200 Hills.

Corn may be planted from the beginning of May until the middle of July, in hills three feet apart each way, and four plants to a hill.

Always select a warm soil for sweet corn if possible, especially for the earlier varieties, as the difference in soil and exposure will make at least a week's difference in the time of maturity, besides insuring a crop. We have taken the greatest pains to secure very choice sweet corn.



**Early Minnesota** \$1.

✓ **Early Minnesota**—This is among the earliest of the sugar varieties, and much esteemed, not only because it matures so early but for its excellent quality as well, ears rather small, long and pointed. Pkt. 5c; pt. 20c; qt. 40c; pk. \$1.00.

✓ **Crosby's Early**—A most excellent variety and remarkably early. Ears of good size, medium length, sweet, rich, and delicate. Pkt. 5c; pt. 20c; qt. 40c; Pk. \$1.

✓ **Cory**—This is a new variety. As early as the Early Marblehead, with longer and handsomer ears. Pkt 5c; pt 20c; qt 40c; pk \$1.

✓ **Early Marblehead**—Very early with fair sized ears, excellent quality. Pkt 5c; pt 20c; qt 40c; pk \$1.

✓ **Egyptian Sweet**—A variety noted for its productiveness, the stalks having from two to four ears each. It is especially adapted for canning purposes. Its season is about the same as Evergreen. Pkt 5c; pt 20c; qt 40c; pk \$1.

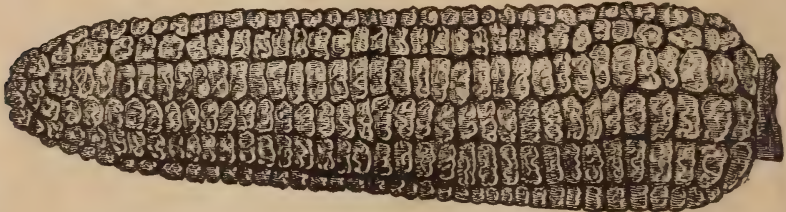
✓ **Extra Early Adams**—The earliest white corn grown, ready for use in sixty days, used extensively in the Southern and New York markets, height of stalk 3 to 4 feet, can be planted earlier than sugar variety. Pkt 5c; pt 20c; pk \$1.

✓ **Mammoth Evergreen**—This variety produces the largest ears of any corn with which we are acquainted. Quality first-class. For family use it cannot be excelled. Pkt 5c; pt 20c; qt 40c; pk \$1.



**Cory.**

✓ **Country Gentleman**—Similar in type to Ne Plus Ultra, or Shoe Peg. By careful selection a variety has been obtained which produces ears of about double the size, and of the same delicious quality, as the original. The ears are produced in great abundance. The cob is very small, giving great depth to kernels, which are pure white. But the great merit of the Country Gentleman is its delicious flavor. Pkt 5c; pt 20c; qt 35c; pk 90c; bu \$3.00.



**Stowell's Evergreen.**

✓ **Stowell's Evergreen**—One of the most popular kinds in cultivation. Can be planted up to July 15, and furnish a supply of corn for the table until frost. It is very productive, tender and sweet, remaining in condition for boiling a long time. Pkt 5c; pt 20c; qt 35c; pk \$1.

✓ **Black Mexican**—The sweetest and most desirable for family use. When dry the kernels are black. The corn, when in condition for the table cooks remarkable white and is not equalled in tenderness by any other sort. Pkt 5c; pt 20c; qt 25c; pk \$1.

## ✓ **Pop Corn or Parching**

✓ **White Pearl**—Our common market variety. Pkt 5c; lb 20c.

✓ **White Rice**—A very handsome variety; kernels long, pointed, and resembling rice; color white, very prolific. Pkt 5c; lb 20c.

✓ **Queen's Golden**—The stalk grows six feet high, and the large ears are produced in abundance. It pops perfectly white, and a single kernel will expand to the diameter of one inch. Pkt 5c; lb 20c.

## **Cress or Pepper Grass**

✓ A popular pungent salad, which should be sown early in the spring, very thickly in shallow drills and at short intervals as it soon runs to seed.

✓ **Extra Curled**—The finest variety grown, the leaves are beautifully cut and curled, highly prized for garnishing. Pkt 5c; oz 10c; ¼ lb 20c; lb 70c.



## CUCUMBERS.

Cucumbers succeed best in warm, moist, rich loamy ground; they should not be planted in open air until there is a prospect of warm settled weather. Plant in hills about four feet apart each way. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to a hill. The fruit should be plucked when large enough, whether required or not, as if left to ripen on the vines, it destroys their productiveness.

✓ **Early Cluster**—Fruit short, producing the bulbs of the fruit near the root and in clusters; not desirable for pickling. Pkt 5c; oz 15c.

✓ **Early Frame or Early Short Green**—Plants very vigorous and productive. Fruit short, handsome, bright green, with crisp, tender flesh, and when young makes excellent pickles. Pkt 5c; oz 15c.



**Early Cluster.**



**Early White Spine.**

✓ **Early White Spine**—One of the best sorts for table use. Vines vigorous, fruiting early and abundantly, fruits uniformly straight and handsome light green, with few white spines. Flesh tender, and of excellent flavor. Pkt 5c; oz 15c.

✓ **Long Green Turkey**—A long variety used very extensively for pickles. Pkt 5c; oz 15c.

✓ **Boston Pickling**—An early short variety, of good form and very productive. One of the best for pickling. Pkt 5c; oz 15c.

✓ **COOL AND CRISP CUCUMBERS**—The peculiar feature of this variety is the knobs or protuberances upon which the spines are placed, that are prominent at all stages of growth, giving the cucumber a very attractive appearance. This variety is the earliest and most prolific of all pickling cucumbers, and is certain to become a standard sort. Color dark green, almost black. Pkt 5c oz 15c.

✓ **Early Russian**—Earliest and hardiest, fruit three or four inches long, small, oval, pointed at each end; covered with fine, small spines. Pkt 5c; oz 15c.



**Giant Pera**—This magnificent variety is of the most delicious flavor, flesh white, very crisp and tender at all stages, and can be eaten at any time during growth. Of enormous size, frequently eighteen inches in length and ten inches in circumference, very smooth and straight, with a beautiful skin free from spines. Pkt 5c; oz 15c.



**Nichol's Medium Green**

—It is early exceedingly prolific, always growing straight and smooth, in color dark green, not medium green, but medium in size. The flesh is tender and crisp. Pkt. 5c; oz. 15c.

**Nichol's Medium Green.**

**Improved Long Green**—Produced by selections from the Long Green. The most popular variety in cultivation, vines vigorous and productive, fruit about twelve inches long with few seeds. The young fruit makes the best pickles, and when ripe is used largely for sweet pickles. Pkt. 5c; oz. 15c.



**Siberian Cucumber**—Absolutely the earliest cucumber known. A startling surprise for market gardeners; nothing like it ever seen in cucumbers. Just think of it! Cucumbers five inches long grown in open ground in fifty-five days. It is also a splendid free-bearing variety, and for early forcing purposes, or for slicing, it is the most valuable addition ever made. Try it. Pkt 5c; oz 15c.

Livingston's Evergreen Cucumber.—In the new Livingston's Evergreen we have a superior variety in many respects. It possesses every qualification of a perfect pickle sort, very hardy and evergreen, withstanding drouth, and bearing until frost. A very strong grower, but extra early and best in flavor, bearing firm, crisp fruit for pickling or slicing. Price pkt 5c; oz 15c.

Tailby's Hybrid—A cross of the Early White Spine of an English frame variety. Retaining the hardiness of the former, it gains from the latter increased size, fine flavor, smooth beauty, and prolificness. Pkt 5c; oz 15c.

## GHERKINS.

A very small oval shaped prickly variety. It is exclusively for pickling. It is the smallest of the varieties, and should always be picked when young and tender. Pkt. 5c; oz. 15c.



LIVINGSTON'S EVERGREEN.

ANY NOVELTIES OR SPECIALTIES IN VEGETABLE SEEDS OFFERED BY ALL RELIABLE SEED HOUSES, NOT LISTED HERE, CAN BE INCLUDED IN OUR CUSTOMERS ORDERS AND WE WILL FURNISH THE SAME AT REGULAR ADVERTISED PRICE.

NOVELTIES, SPECIALTIES AND PREMIUM COLLECTIONS ARE ON TINTED PAGES.

## EGG PLANT.

The Egg Plant will thrive well in any good garden soil, but will repay good treatment. The seed should be sown in hot-beds the first week in April, care being taken to protect the young plants from the cold at night. Plant out about June 1st, two and a half feet apart, if no hot-bed is at hand, sufficient plants may be raised for a **small garden** by sowing a few seeds in common flower pots or boxes in the **house**.



Early Round Purple

## 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 delicious; but if allowed to reach its full size it becomes tough and stringy.

**Large White Giant**—A good sort for summer and autumn use. Pkt 5c; oz 30c;  $\frac{1}{4}$ lb 60c.

**Early White Vienna**—The earliest and best for forcing, very tender; excellent for table use. Pkt 5c; oz 20c;  $\frac{1}{4}$ lb 60c.

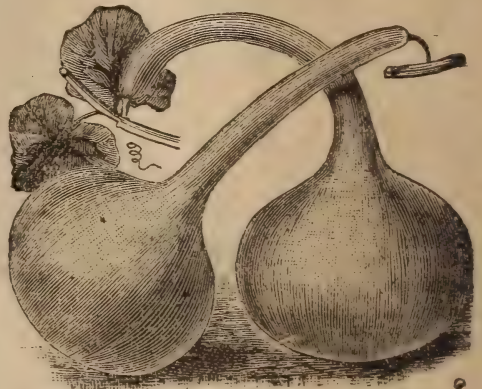
**Large Purple Giant**—Differs from white only in color. Pkt 5c; oz 20c;  $\frac{1}{4}$ lb 60c.

✓ **Early Round Purple**—The best variety in cultivation. Early and very productive. Pkt 5c; oz 30c;  $\frac{1}{4}$ lb \$1.00.

✓ **Long Early Purple**—This is one of the earliest and most productive varieties, fruit long, dark, brick purple, and of fine quality. Pkt 5c; oz 30c;  $\frac{1}{4}$ lb \$1.00.

### GOURDS.

Dish Cloth, Sugar Trough, Dipper, Nest Egg. Each 5c per Pkt.



# LETTUCE.

The most used of all the salads, is of easy culture, being almost free from all disease and insects. It requires rich, moist soil, and clean cultivation. This will give the quick growth on which depends its appearance, tenderness and flavor. For early spring use, sow seed bed in September or October, and protect through the winter with the cold frames, or in the south with leaves and litter, or sow in hot beds in early spring; as soon as the ground can be well worked transplant in good ground, to rows 18 inches apart, and 8 to 10 inches in the row. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. If sown outside to be cut young, sow thickly in drills or broadcast, but if strong, fine heads are desired, sow in drills  $\frac{1}{4}$  inch deep, 18 inches apart, and thin, rather than transplant, to 12 inches apart in the rows.

One ounce of seed for 2,500 plants.



## SILVER BALL LETTUCE!

This lettuce produces a beautiful head, very firm, solid and compact, with handsomely curved leaves, of an attractive silvery white color, very rich, buttery, and stands a long while before running to seed. An excellent variety both for early spring and summer use. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.

**Early Curled Silesian**—A cutting variety. The first to produce edible leaves. It does not head, but affords crisp, good flavored salad, long before the cabbage varieties have commenced to head. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.

**Black Seeded Simpson**—The leaves of this variety are very firm and form a compact mass rather than a distinct head, very crisp and tender, standing the heat of summer well. Pkt 5c; oz 10c; lb \$1.00.

**Early Curled Simpson, White Seeded**—An improved variety of the Early Curled Silesian, good for main crop, the earliest and a desirable market variety. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.



## Early Curled Silesian.

**Prize Head**—Very large, stained with red, outer leaves curled, very crisp and tender, slow running to seed. An excellent variety. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.



**California Cream Butter Lettuce**—The heads are of good size, compact, very hard and solid. It is medium early and one of the very best summer varieties of head lettuce. It is a black seeded variety and the grower says it stands summer heat better than the Philadelphia Butter, the Deacon or any other white-seeded lettuce. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.

California Cream Butter Lettuce



**Denver Market Lettuce**—It is an early variety of Head Lettuce, either for forcing or open ground. It forms large, solid heads of a good light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered (like Savoy Cabbage) and very crisp and tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of lettuce now grown. The shape of the head resembles somewhat the Hanson, but is more oblong. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00

**Early Tennis Ball**—The best variety of glass. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.

**Hanson**—One of the very best. Heads green outside and white within. It will grow to a remarkable size, very solid, deliciously sweet, crisp and tender, even to the outside leaves. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.

**Philadelphia Butter or Early White Head**—Many prefer a thick leaved, smooth lettuce and to meet this demand we present this sort. Plant part green, with many nearly round, thick leaves, forming into a very solid round head which stands a long time without running to seed. Leaves very thick folded or puckered at the base, the inner ones blanched to a rich yellow color, and exceedingly rich and nutty in flavor. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00.



**Hanson**

**Grand Rapids**—Especially adapted for greenhouse culture in winter; also a good lettuce to sow outside early for family use. It is the result of years' selection from the Black-Seeded Simpson. It is very beautiful in appearance. It is of rapid, upright growth; may be planted close; not liable to rot, standing several days after being ready to cut without injury; retains its freshness a long time after being cut, hence much sought after by dealers, especially shippers; its quality is very desirable. Pkt. 5c; oz. 15c; 1-4 lb. 35c; lb. \$1.10.

## LEEK

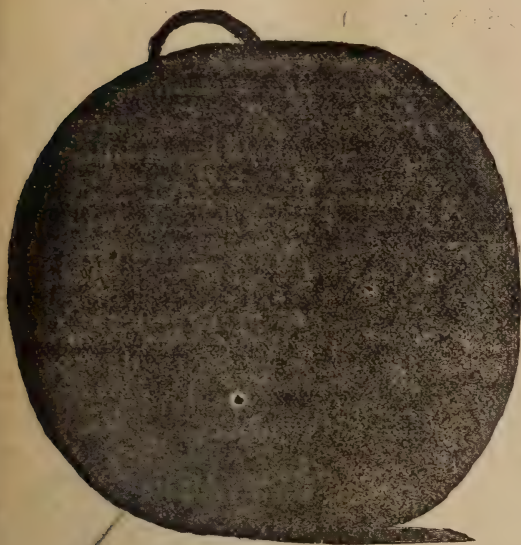
**Large London Scotch or Flag**—The Leek is reported more delicate than onions for soup, etc. Sow in seed beds middle of spring. When the plants are 3 to 4 inches high, transplant into rows wide enough apart to admit the hoe. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 50c.

## WATERMELONS

A light soil with good exposure to the sun is best for Watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are desired for exhibition purposes leave one or two melons on a vine. Plant in hills 8 to 10 feet apart each way with a shovelful of well rotted manure mixed with the soil in the hill. Plant eight or ten seeds in each hill, and finally leave when danger from insects is past, but three strong plants.

One Ounce of Seed for 30 Hills.  
One or Two Pounds to the Acre.

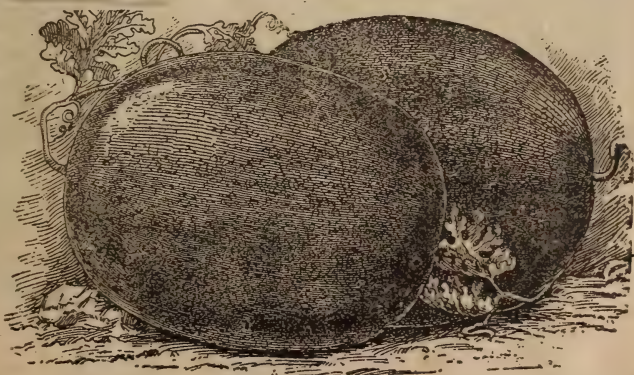
### Nabob Watermelon



**DESCRIPTION**—It's hardy vines are vigorous, healthy and productive. It's fruit large and heavy (30 to 40 lbs.) resembles the Kolb gem in shape and uniformity, but differing in color, being attractively and peculiarly mottled, rather than distinctly striped. The fruit keeps long in good condition and is not excelled in shipping qualities; seeds dark blue or dun color, flesh deepest scarlet firm and solid, but melting, luscious and of richest flavor. We have had it thoroughly tested on different soils, in various climates and under unfavorable as well as favorable conditions and all, without one dissenting voice unite in praise of its good qualities. Pkt 5c; oz 10c; ¼ lb 20c; 1b 60c.

### SWEET HEART WATERMELON

This new melon is early, large, handsome, heavy and productive. The shape is oval, and color mottled light to very light green. Flesh bright red, solid but tender and very sweet. We have a very fine stock grown from selected stock seed procured from the originator, hence it is as pure and true as the original. Pkt 5c; oz 10c; 1-4 lb 20c; 1b 60.



**Stokes' Extra Early.**

This distinct melon, is, without doubt the earliest of all. Dark green skin; slightly mottled with white. The flesh is deep scarlet, remarkably solid, and in delicious sugary flavor is unsurpassed by any other melon. Their average weight is about fifteen pounds. The seed is very small, being only about half the size of other melon seeds. They are also much more productive than the larger sorts; and for family use are quite unequalled. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 70c.

**Mountain Sprout**—Long striped, scarlet flesh, good quality but not quite as early as the Mountain Sweet. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

**Phinney's Extra Early**—None of the early sorts of recent introduction surpass this old favorite, first to ripen; good size, productive, shape oblong, flesh a deep red; a first class early market melon. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 70c.

**Phinney's Early.**

**Cuban Queen**—A large symmetrical and solid variety, rind very thin and strong, ripens to the very center, skin striped with dark and light green. Vines strong, healthy, and of vigorous growth, very heavy cropper, flesh bright red, tender and melting, luscious, crisp and very sugary. It is an excellent keeper and bears transit well. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

**Dixie Water Melon.**

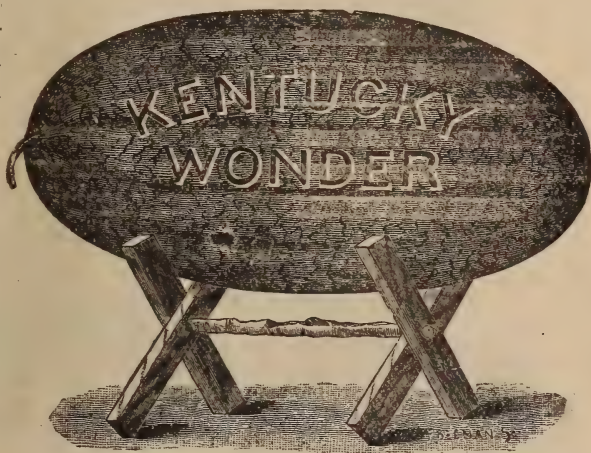
It is a cross between the Kolb Gem and Old Fashioned Mountain Sweet, made by one of the largest truck and melon growers of North Carolina, surpassing the former in shipping qualities and fully equaling the latter in fine eating quality and flavor.



being a week or ten days earlier than either, with a remarkably thin rind, which preserves it for a great length of time, keeping three times as long as either before showing decay. Its great productiveness is shown from the fact that the past two seasons they matured from six to eight large melons to the vine, while Kolb Gem rarely produces more than two or three. The vines grow strong and rapidly with more laterals than any other melon and have the singular and very valuable quality of rooting from every joint, adding greatly to the productiveness and life of the vines. The meat is more scarlet, finer and of much better quality. These strong claims have been more than verified by ourselves and hundreds of other growers the past two seasons. Pkt 5c; oz 10c; qr lb 20c; lb 60c.

### Kentucky Wonder—

In shape it is oblong, skin dark green, marbled in stripes of dark green; flesh a beautiful scarlet color, crisp, tender, rich and sugary flavor. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.



### Ice Cream or Peerless

One of the best melons for the north in cultivation. It is hardy and productive; fruit medium in size; finely mottled and dark green. Flesh bright scarlet, crisp and sweet. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

**Black Spanish**—Very sweet and delicious variety. Fruit round, of large size, skin blackish green, and scarlet flesh. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

**Frame's New Mammoth "Santiago" Watermelon**—The melons grow uniformly large and long, being distinctly barrel-shaped, retaining their thickness throughout the entire length, with bluntly rounded ends. Well-grown melons will measure two feet long by twelve to fourteen inches in diameter, weighing from forty to fifty pounds each. Vines are of strong vigorous growth, producing an enormous crop of large melons. Skin is light green, divided into broad bands of mottled stripes of dark green. The skin, while thin, is very tough, of a pliable leathery character, which insures finest shipping qualities. The flesh is of a deep blood-red, of very sweet flavor, and entirely melting in character, free from any stringiness. It should supersede the Dixie and many other large-fruited shipping varieties, on account of its superior quality. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.00, postpaid.

**Kleckley Sweets**—This new variety is one of the finest flavored Melons grown. The vines are strong and vigorous; the fruits oblong in form, eighteen to twenty inches long, and ten to twelve inches in diameter; skin dark green; flesh bright red, extremely sweet, melting, and luscious. Ripens close to the rind, which is only about one-half inch in thickness. The large solid heart does not crack open when ripe. Not a shipper, but highly recommended for the home market and family garden. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb; 20c; lb 60c.

✓ **Mountain Sweet**—Dark green, flesh red, sweet and rich, early and handy. Though one of the oldest varieties it is still one of the best. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.



✓ **Kolb Gem**—The longer this variety is cultivated the better it is liked. Vines of medium size, but remarkably vigorous and healthy. Fruit of the largest size, but round and slightly oval, marked with irregular mottled stripes of dark and very light green in sharp contrast, which gives it a very bright and attractive appearance. Flesh bright red, extending to within half an inch of the rind, sweet and tender. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

✓ **Gypsy or Rattlesnake**—A very large striped variety of oblong shape; flesh scarlet and of superior quality. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

✓ **Seminole**—It is an extra early enormously productive, extra large and of most delicious flavor. It is of two distinct colors, gray and light green. The gray color predominates, about one-fourth of the melons being of the light green color. Melons of both colors are found on the same vines. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.



**Seminole.**

## MUSK MELON.

Plant in hills as directed for watermelons, and treat in all respects the same except that the hills need not exceed five or six feet apart.

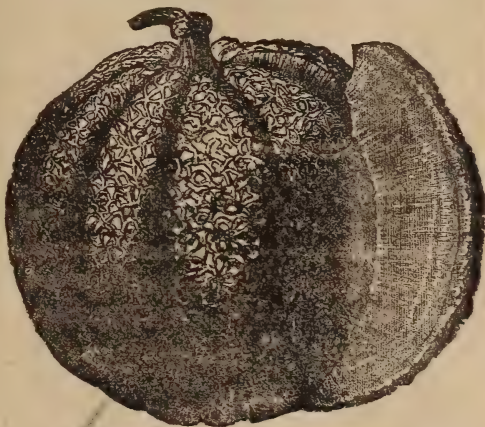


✓ **Silkman's Netted Nutmeg**—This is a small, rough netted variety, flattened at the ends; flesh green very thick, firm sugary and of delicious flavor. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

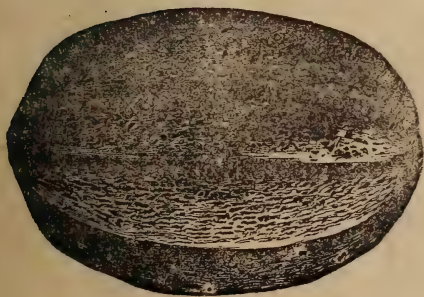
✓ **Netted Nutmeg**—A very early melon of small size, varying in shape from almost oval to a flattened globe.

Skin green until over ripe, when it becomes yellow. Flesh light green, very thick and sweet. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

**Large Hackensack**—Very popular with the market gardeners in the vicinity of large cities, being a large size, very prolific, rich in flavor; thick juicy flesh and always commands a ready sale, growing more popular each season. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.



✓ **Bay View**—One of the largest and best flavored cantelopes grown. Under ordinary cultivation, fifteen to twenty tons are raised to the acre, the fruit averaging ten to fifteen pounds each. Pkt 5c; oz 10c; lb 60c.



**Early Christina.**

✓ **The Emerald Gem Melon—** Entirely distinct, extra early and very prolific. The skin white ribbed is perfectly smooth and of a very deep emerald green color, flesh salmon color, and very thick, ripens thoroughly to the rind and is very juicy and rich, flavor sweet, delicious, the vines hardy and thrifty in growth, very prolific, bearing the melons near the root and matures very easily. Pkt 5c; oz 10c  $\frac{1}{4}$  lb 30c; lb 70c.

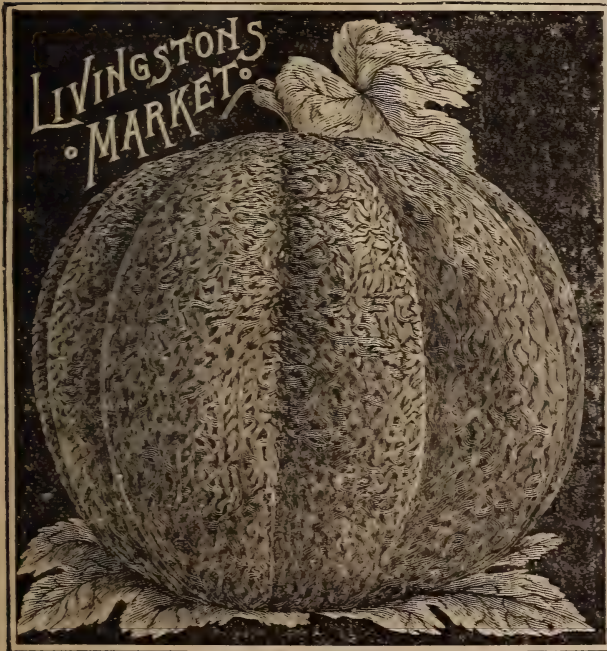
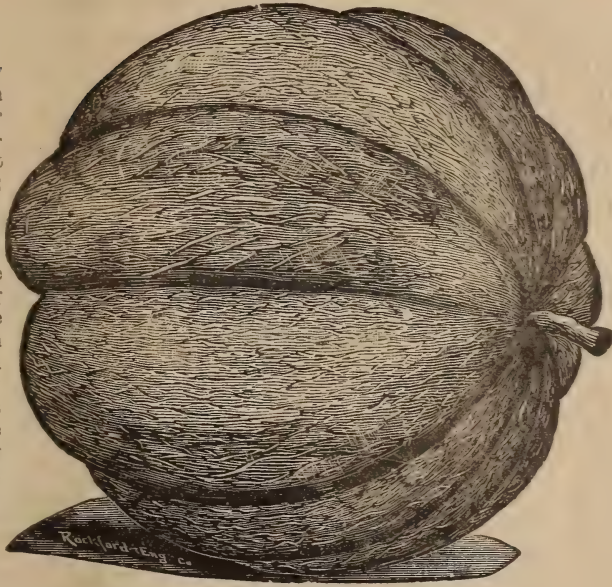
✓ **Early Christina—**The flesh is dark rich yellow, of the best quality. The flesh is so thick that the seed cavity is remarkably small. It is very early and is rapidly becoming the general favorite. **WHEN RIPE THE MELONS ALWAYS SEPARATES FROM THE STEM.** Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.

**The Emerald Gem Melon.****Montreal Market.**

✓ **Montreal Market—**The fruit is one of the largest size, often attaining a weight of 25 to 30 pounds; shape nearly round, flattened at the ends, deeply ribbed, flesh remarkably thick, green melting and of fine flavor. For the main crop there is nothing better. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30; lb \$1.

**Our Own.**

This is the best yellow fleshed musk melon in existence. It is far superior to the Shumway Giant or New Giant. It is almost as large; heavier and more solid. Its appearance while growing is similar to the Columbus. Outside is a light green turning a cream white when ripe with a beautiful salmon colored meat, very rich and sweet. It is very productive, yields double the amount to the acre that a nutmeg melon does. Seeds as large as those in a summer crookneck squash. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.



**Livingston's Market Melon.**

Many years were spent in perfecting this decidedly distinct and beautiful melon. A most valuable characteristic is the close, strong netting. Its vigorous growth gives it great hardiness and ability to withstand the drouth, blight and bugs. Its beautiful shape and handsome appearance are remarked upon when placed side by side on the market bench or counter with any of the popular sorts of the day. It ripens only a few days after the early Hackensack, is more prolific, more uniform, bears longer and the fruit is more solid, seldom bursts at blossom end; flavor and quality are all that can be desired. It is green fleshed with small seed cavity. A valuable sort for a general crop. Pkt 5c; oz 10c; qr lb 30c; lb 90c

## ONIONS.

To a greater extent than any other vegetable, save one, does the value of this crop depend almost solely upon the quality of the seed sown. Realizing this we have taken the greatest care in selecting our stock and can confidently recommend them to all customers—those who use large quantities as well as those who use small—as being unsurpassed for quality, germination and truthness; being grown for us solely by men of years of experience in raising this important seed.

Our seed will produce full sized onions the first year of sowing, for which purpose sow four or five pounds to the acre. For growing small sets our seed is equally good, and should be sown for this purpose at the rate of about twenty-five pounds to the acre.

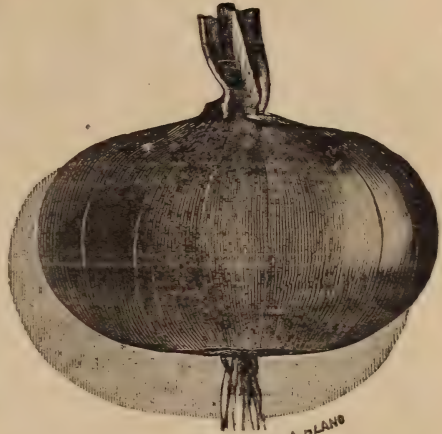
Sow the seed as early in the spring as practicable, in shallow drills one foot apart, covering with fine soil, which should be pressed down by the use of a light roller. When the young plants are strong enough, thin out two inches apart; keep the surface of the ground open and free from weeds by hoeing frequently.



**Danver's Yellow Globe**—The best yellow variety grown, early, productive of mild flavor and fine keeping qualities. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.25.

*✓ Prize Taker Yellow Wethers.*

**Prize Taker Onion**—This is the large beautiful Spanish Onion. They are of enormous size, averaging 14 to 16 inches in circumference. Although of such great size, it is very hardy, and a very fair winter keeper. The outside skin is of a rich yellow color, while the flesh is white, sweet and tender. They bottom well and are free from stiff necks, and have produced more bushels of marketable onions to the acre than any other variety in America. Beware of imported spurious seed. Pkt 5c; oz 20c;  $\frac{1}{4}$ lb 50c; lb \$1.50.



**Large Red Weathersfield.**

**Large Red Wethersfield**—A well known sort, grows to a large size, very productive and an excellent keeper. Pkt 5c; oz 15c;  $\frac{1}{4}$ lb 40c; lb \$1.25.

**El Passo or Mexican**—Grows to a diameter of six inches and to a weight of two or three pounds; color variable from white to light red, flesh white, rather coarse grained, but of very mild flavor. Pkt 5c; oz 20c;  $\frac{1}{4}$ lb 60c; lb \$2.00.



**Mammoth Silver King.**

**Mammoth Silver King**—Of attractive shape as shown in our illustration, with silvery white skin and flesh of a most agreeable, mild flavor. It reaches a larger size than any of the flat white varieties frequently measuring twenty inches in circumference and weighing three to four pounds. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 50c; lb \$2.00.

**Large Red Globe**—A variety maturing as early as the flat sort; globe-shaped, skin deep red, flesh mild and tender; very handsome in appearance. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00

**White Globe**—A large, globe-shaped onion; firm, fine grained, of mild flavor; keeps well. This is one of the handsomest onions grown, of beautiful shape, clear white skin, and commands the highest market price. Pkt 5c; oz 20c;  $\frac{1}{4}$ lb 60c; lb \$2.00.

✓ **White Portugal or Silverskin**—A mild variety; grown extensively for pickling. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.

✓ **White Tripoli**—Very pure white skin, flat mild flavored and very large. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.

✓ **Early Red**—A trifle smaller but fully ten days earlier than the Large Red Wethersfield, of mild flavor, and a good keeper. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.25.

✓ **New Queen**—A handsome silver skinned variety; esteemed for its rapid growth, mild flavor and fine keeping qualities. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.

✓ **Red Bermuda**—Of immense size and most beautiful form, skin thin and of a rich blood color; flesh white, fine grained mild and pleasant. The first

season from seed it will grow an onion from one to one and one-half pounds, but to attain the full size, the bulbs should be set the following spring. Pkt. 5c; oz 20c; qr pound 50c; pound \$1.50.

✓ **Giant Rocca**—A splendid variety of exceeding-

ly mild flavor, globular shape and light brown skin, one of the largest onions in cultivation. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 50c; lb \$1.50.



## ONION SETS.

One quart to 25 to 45 feet of drill; 8 to 12 bushels, depending on size, to set an acre in drills.

Express or freight charges always to be paid by the purchaser.

Top or Bottom Sets, Yellow Bottom Sets, Red Bottom Sets, White Bottom Sets and Kansas Multipliers—Market price.

On account of the early publication of this catalogue, and the uncertainty of the market, we cannot give prices on onion sets, but will guarantee to fill orders as low as any other house.



## MUSTARD.

A pungent salad used for cress. The seeds used for flavoring pickles, etc. Sow in April thickly in rows and cut when two or three inches high. For use during winter, it may be sown in succession in boxes, in green houses or in frames.

✓ **Black or Brown**—Stronger than the white. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 15c; lb 40c.

✓ **White**—Best for culinary purposes and for salads. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 15c; lb 40c.

## Okra or Gombo.

The young seed pods of this plant are used in soups, or stewed like asparagus.

✓ **Dwarf**—Prolific, early, long podded and productive. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 25c; lb 75c. **Tall**—Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 25c; lb 75c.

## Parsley.

Parsley is used for flavoring soups and garnishing. It requires deep rich soil. The seed is slow to germinate and should be given most favorable conditions. Sow in rows one foot apart and half an inch deep. For winter use a few plants placed in a box in the cellar will give a supply.

✓ **Double curled**—A beautiful curled dwarf variety, highly esteemed for garnishing. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 25c; lb 80c.

✓ **Champion Moss Curled**—This is a most beautiful and valuable variety. The moss like leaves are finely crimped and curled. For garnishing no variety is more attractive. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 25c; lb 80c.

## Parsnips.



Sow Parsnip seed as early in the spring as the weather will permit in drills fifteen to eighteen inches apart, covering with fine soil to the depth of half an inch; the soil should be rich and deep manured if possible the previous autumn. Thin out the young plants to about six inches apart and keep the surface of the ground open and free from weeds. Aside from its merits as a table vegetable, the parsnip is one of the best and most economical roots for field culture as it not only produces an abundant and almost certain crop, but furnishes the most nutritious food for cattle, particularly adapted for, and relished by dairy stock. It is perfectly hardy, and will remain in the ground during the winter; indeed, the fine sugary flavor is only perfected by a severe frost.

✓ **Long Smooth or Hollow Crown**—A standard table sort; the best and most productive for field culture. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb 20c; lb 50c.

✓ **Long White Dutch**—Roots very long and smooth; hardy and keeps through winter without protection. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 50c.

## PEAS.

**Culture**—For early peas, the soil should be light, warm and sheltered, but for general crop, a moderately heavy soil is better; sow as early as possible a few of the earliest on warm, quick soil prepared the fall before. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early depending for success upon selecting sorts that follow each other in ripening. The first sowing will be earlier if covered only one inch deep; the other sorts should be covered from two to six inches deep, the planting preventing mildew and prolonging the season; fresh manure, or wet, mucky, soil should be avoided, as they cause vines to grow too rank and tall.

The crop should be gathered as fast as it becomes fit for use. If even a few pods begin to ripen, young pods will not only cease to form, but those partly advanced will cease to enlarge.

All Wrinkled peas are superior to, and more delicate in flavor, and remain longer in season than the smooth sorts, for, as in sugar corn, the wrinkled appearance indicates a greater amount of saccharine matter.

### EXTRA EARLY SORTS.

**Improved Tom Thumb**—As its name indicates, it is an improvement on the Tom Thumb, so long and favorably known to the trade. This stock for purity earliness, dwarf habit and evenness of growth, is unequalled by any other. Pkt 5c; pt 25; qt 50c; pk \$1.75.

**Our First and Best**—This stands at the head of the first early sorts, it is unsurpassed in extra earliness, productiveness, freedom from runners. It grows from eighteen inches to two feet high, and will mature for table forty-five days from germination. Pkt 5c; pt 25c; qt 50c; pk \$1.75.

**Extra Early Kent**—This is a very early variety growing about 3 feet high, pod well filled with good sized peas; productive, ripening nearly all at once. An early market varie-



**Philadelphia Extra Early**—A favorite variety with market gardeners; extensively grown in the south. Pkt 5c; pt 25c; qt 50c; pk \$1.75.

**Carter's First Crop**—This English variety has been grown in this country several years, but we fail to find any superiority over our Extra Early. It grows from two to three and a half feet high, very prolific and of good flavor. Pkt 5c; pt 15c; qt 50c; pk \$1.75.

ty when true but has greatly degenerated of late years. Our stock is true. Pkt 5c; pt 25c; qt 40; pk \$1.75.

**McLean's Little Gem**—A very desirable early dwarf, green wrinkled variety, growing about fifteen inches high. When in a green state, it is very large, sweet and of a delicious flavor. Pkt 5c; pt 25c, qt 50c; pk \$1.75.



✓ **Bliss American Wonder.**—This variety is a cross between the Champion of England and McLean's Little Gem, and combines the qualities of its parents. It is the earliest wrinkled pea in cultivation, and a superior cropper, bearing larger pods than the other sorts, and having from six to nine large peas in a pod. The vines are from ten to twelve inches high, and of robust habit; our seed is true coming from the original stock. Pkt 5c; pt 25c; qt 50c; pk \$1.75.

✓ **Alaska**—This beautiful blue market pea has become a standard variety and the earliest of all blue peas. The vines are dwarf, growing only about twenty inches high; very uniform, maturing the crop for one picking; of excellent quality, and retains its desirable color after cooking. Pkt 5c; pt 25c; qt 50c; pk \$1.75.

✓ **Everbearing**—A variety maturing very soon after the Gem, and continuing a long time in bearing. Vine stout, about eighteen inches high, bearing at the top six or ten pods. Peas wrinkled, large, cook quickly, and very tender, superior flavor, though not so sweet as some. Pkt 5c; pt 25c; qt 40c; pk \$1.75.

✓ **Carter's Stratagem**—Seed green, square wrinkled, height two feet, vigorous, branching habit; remarkably luxuriant foliage, leaves usually large size, under favorable conditions an enormous cropper; pods long, well filled with from seven to nine peas of the largest size, extra fine quality. Not only one of the most elegant and showy peas in cultivation, but the most desirable acquisition of its class for the last number of years. Pkt 5c; pt 25c; qt 50c; pk \$1.75.

✓ **Bliss Abundance**—Seed green, wrinkled, height twenty inches, time ripening, medium. The chief characteristic of this pea is its remarkably strong vigorous, branching habit and unusual productiveness, often sending out three or more branches; pods of fair size, well filled with peas of good quality. For those wishing a pea of unusual productiveness and of good quality, they are in every way desirable. Pkt 5c; pt 25c; qt 50c; pk \$1.75.

✓ **Royal Dwarf Marrowfat**—A sturdy variety, prolific and of good quality, vines eighteen inches high, foliage strong and dark, maturing about seventy days after germination. Pkt 5c; pt 25c; qt 40c; pk \$1.00; bu \$2.50.

✓ **Champion of England**—Of the wrinkled varieties, probably more generally used than any other, delicious flavor, and a large bearer; usually accepted as the standard in flavor, height five feet. Late. Pkt 5c; pt 20c; qt 35c; pk \$1; bu \$3.50.

✓ **White Marrowfat**—One of the oldest varieties in cultivation, and a favorite market sort; about four feet high, and well filled with very large pods. Pkt 5c; pt 20c; qt 35c; pk 75c; bu \$3.50.

✓ **BLACK EYED MARROWFAT**—Similar to the White Marrowfat in all points except it has a dark eye. Pkt 5c; pt 20c; qt 35c; pk \$1; bu \$3.50.

We keep constantly on hand a large stock of all these varieties obtained from the north where the bugs do not infest them. Our customers may rely upon having the seed pure and free from bugs.

## RADISH.

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

One ounce sows 100 feet of drill, 8 to 10 pounds for an acre.



A favorite with market gardeners as a forcing radish, very early, handsome color mild flavor, crisp, juicy and tender; has a very small top, and will stand a great amount of heat without becoming pithy. It is also becoming an excellent variety for garden culture. A deservedly popular radish. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 80c.

✓ **Early Scarlet Olive Shape**—In the form of an olive, terminating in very slim tap-root. Skin fine scarlet, flesh rose colored, tender and excellent. Early and well adapted to forcing. Pkt 5c; oz 10;  $\frac{1}{4}$  lb 20c; lb 70c.

✓ **Early Turnip, White**—A little flatter in shape than the preceding, and pure white in color, with a very small top. Flesh pure white and semi-transparent. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **French Breakfast**—A very brittle, crispy and tender; of oval form, bright scarlet, white tipped and very handsome sort. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **Early Scarlet Turnip**—A small, round, red turnip shaped radish with a small top and of very quick growth; mild and crisp when young. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

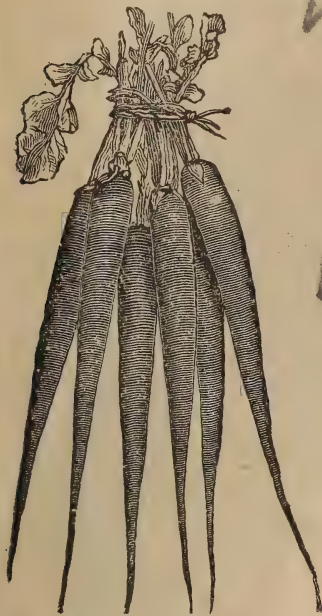
✓ **Extra Early Erfurt Turnip**—An improvement over the Scarlet Turnip. Its shape is of the best of the round sort; color of the skin, very dark red; white flesh with small tap root. The best for forcing. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.



✓ **Long Scarlet Short Top**—This is the best standard variety for family gardens or for market use. It grows six to twelve inches

long, half out of the ground, very brittle and crisp color bright scarlet; small top, straight and smooth. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **Yellow Summer or Golden Globe**—A globe-shaped yellow summer variety of excellent quality, tender and sweet, withstanding the heat well and remaining tender a long time. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.



**Long Scarlet Short Top**

✓ **New White Strausburg**—A very desirable summer variety; comparatively new, very much liked by our market gardeners all claiming it to be one of the quickest growing radishes; both skin and flesh pure white, firm and brittle, grows to a large size and withstands severe heat. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.



**New White Strausburg.**

✓ **Early Scarlet Turnip, White Tipped**—Similar to the early round scarlet save that it has the white tail or tip, and is a prettier radish than the Early Scarlet Turnip on the table. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.



✓ **Beckert's Chartier**—This is the most beautiful of all the long summer radishes; color bright scarlet, shading off to a pure white at the bottom, a decided novelty and worthy a place in every garden; it is very crisp, tender and mild flavor, and if left grows to a very large size. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **Long Black Spanish or Fall**—Sow about the last of the summer for fall or winter use. Grows to a large size, quite solid. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **Rose China Winter**—Form cylindrical, or large at the bottom, tap root. Skin very smooth, and a bright rose color. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **California White Mammoth**—A giant white-fleshed, tall radish. It grows from eight to twelve inches in length and about two and a half inches in diameter, the flesh being solid, tender and of good flavor. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

✓ **Long White Vienna**—This new radish is the finest long white radish in cultivation. It is most beautiful in shape, white in color; both skin and flesh pure snow white; crisp, brittle, and of rapid growth. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 70c.

## SALSIFY == Vegetable Oyster.

The long white, tapering root of Salsify resembles a small parsnip, and when properly cooked it is a good substitute for oysters in taste and flavor, and it is very nutritious. In cooking the roots are usually boiled, or they can be mashed and made into fritters. It succeeds best in light, well enriched soil. If it is necessary to use manure, it should be very fine and well rotted. Sow early in drills eighteen inches apart. The roots are perfectly hardy, and may remain out all winter. They are best after frost has touched them.

One ounce for fifty feet of drill.

✓ **LONG WHITE**—Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.

✓ **MAMMOTH**—(Sandwich Island)—A very large and superior variety. Mild and delicately flavored. Pkt 5c; oz 15c;  $\frac{1}{4}$  lb 40c; lb \$1.50.



## SPINACH.

For spring use sow early in drills a foot apart, and every two weeks for succession; as it grows, thin out for use, keeping it clear of weeds. For fall use sow in August; for winter use in September, in well manured ground, mulch with straw on the approach of severe cold weather.

One ounce for 100 feet of drill. Ten Pounds for an acre in drills.

✓ **Round Summer**—A standard sort with all market gardeners for early spring sowing; it stands the weather well, but is not quite so hardy as the prickly; leaves large, thick and fleshy. Oz 5c;  $\frac{1}{4}$  lb 15c; lb 40c.

✓ **Prickly Seeded**—The hardiest of all, therefore the best where the winters are severe. Oz 5c;  $\frac{1}{4}$  lb 15c; lb 40c.

✓ **Improved Thick Leaf**—(NIROELY)—A decided improvement on Round Summer. Has very thick leaves, of great substance. Oz 5c;  $\frac{1}{4}$  lb 15c; lb 40c.

✓ **Curled Leafed Savoy**—(NORFOLK BLOOMSDALE)—The earliest variety of upright growth, fine, large, tender, savoyed leaves. Grows quick, but will not stand long. Oz 5c;  $\frac{1}{4}$  lb 15c; lb 50c.

✓ **Long Standing**—An improved strain; later in going to seed than any other, especially desirable for market gardeners. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 15c; lb 50c.

## PEPPER.

Should be sown in hot bed early in April, and transplant in open ground as soon as the weather permits. The plants should be set in warm mellow soil in drills two feet apart and about two feet apart in the row, or may be sown in open ground soon as weather permits, and all danger of frost is over.

✓ **Golden Dawn Mango**—A new variety resembling the large Bell in shape but more delicate in flavor. In color, a rich golden yellow. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 70c; lb \$2.40.

✓ **Long Red Cayenne**—A long slim pointed pod, and when ripe, of a bright red color. Extremely strong and pungent. Pkt 5c;  $\frac{1}{2}$  oz 20c;  $\frac{1}{4}$  lb 70c; lb \$2.40.

✓ **Cayenne**—For making Cayenne Pepper Sauce. Small pungent, used more than any other for making pepper sauce. Pkt 5c;  $\frac{1}{2}$  oz 20c;  $\frac{1}{4}$  lb 70c.



**Monstrous Mammoth.**

✓ **Monstrous Mammoth**—Similar to the Large Bell, but larger, sweeter, and milder flavor. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 70c; lb \$2.40.

✓ **Large Bell**—A large early variety of pleasant flavor. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 70c; lb \$2.40.

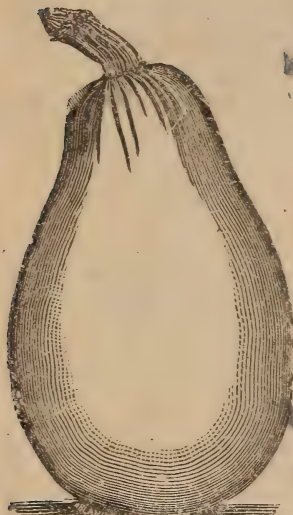
✓ **Chinese Celestial**—A most useful pepper and one of the most beautiful plants in existence. The plant begins to set peppers early and continuous until frost, branching freely, and bearing profusely. The pods are upright, conical in shape; and of a delicate creamy yellow, and when fully grown change to a vivid scarlet, making a plant of striking beauty and oddity. Peppers are two to three inches long, sharp flavor, and superior for any of the uses to which peppers can be put. Pkt 5c; oz 25c,  $\frac{1}{4}$  lb 75c.



**Ruby King.**

✓ **Ruby King**—The peppers are of a bright red color  $4\frac{1}{2}$  to 6 inches long, by  $3\frac{1}{2}$  to 4 inches in diameter, which makes it one of the largest of peppers. The plant is of a strong bushy habit producing from 6 to 12 perfect fruits. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 70c; lb \$2.40.

## PUMPKINS.



**Tennessee Sweet  
Potato Pumpkin**

**Tennessee Sweet Potato Pumpkin**—An excellent variety for pies, pear shaped, medium size, flesh and skin creamy white, fine grained, very sweet and delicious, a first rate keeper. When cooked it has somewhat the appearance of sweet potato, but of a more delicious taste. Pkt 5c; oz 10c; lb 60c.

**Kentucky Field**—Very productive; largely grown for feeding stock. Pkt 5c; lb 25c.

**Connecticut Field**—One of the best for field culture; can be grown with corn; largely used for stock for winter feeding. Pkt 5c; lb 25c.



**Connecticut Field.**

**Mammoth Tours or Jumbo**—Grows to an enormous size often weighing 150 pounds; very productive flesh salmon color, good keeper, desirable for cooking purposes or for stock feeding. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60.

**Ohio Pie**—Superior to any other for table use, and is the only pumpkin grown in the west that will make a Thanksgiving pie. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

**Japanese Pie**—The flesh is very thick nearly solid, the seed cavity being very small in one end of the pumpkin; usually fine grained, dry and sweet, having much the same taste and appearance as sweet potatoes. They ripen early keep well, and produce largely. The seeds are peculiarly marked and sculptured in Japanese characters. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.



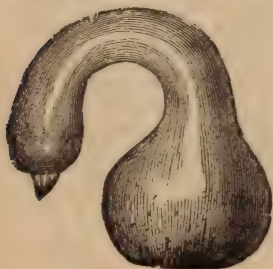
**Mammoth Tours or Jumbo**

### CASHAW.

A very prolific variety, resembling in form the Winter Crook-neck Squash although growing to a much larger size, frequently weighing sixty pounds and over, color light cream, flesh salmon color. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

### LARGE CHEESE.

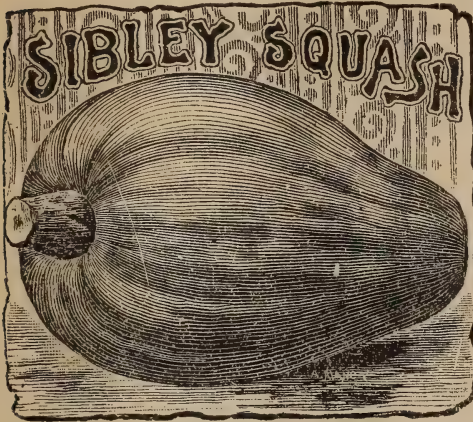
About the most desirable variety for culinary purposes light yellow with very thick, sweet brittle flesh, and a most excellent keeper. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.





## SQUASH.

The squash is one of the most nutritious and valuable of all garden vegetables. The summer varieties come to the table early in the season and are very palatable, while the winter sorts can be had in perfection from August



until the summer varieties are again in condition. Few farmers appreciate the value of the winter squash, as food for stock, we think an acre of squash, costing no more to cultivate and much less to secure will give twice as much feed available for feeding stock as an acre of corn, and we strongly urge our readers to try a "patch" for this purpose.

**Sibley Squash**—This squash is entirely original and distinct. The shell is pale green in color; very hard and flinty, being at the same time so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid, thick, a vivid brilliant orange in color, and is possessed of rare edible

qualities. It ripens its fruit simultaneously with the Hubbard though the quality is considerably improved by being housed a few weeks. Large pkt 5c; oz 10c;  $\frac{1}{4}$  lb 25; lb 90c

**Hubbard**—This is a superior variety of the best winter squash known, flesh bright orange yellow, fine grained, very dry, sweet and rich flavored, keeps exceedingly dry, and by many is esteemed to be as perfectly good throughout the winter, boils or bakes good baked as the sweet potato. We have taken the utmost pains with this sort and can recommend our stock as in all probability the best in the country and think our customers can plant it in confidence. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30; lb \$1.



**HUBBARD.**

**Early Bush Scallop**—Good early summer squash but requiring little room and bearing abundantly. Plant in hills 3 feet apart. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 25c; lb 80c.



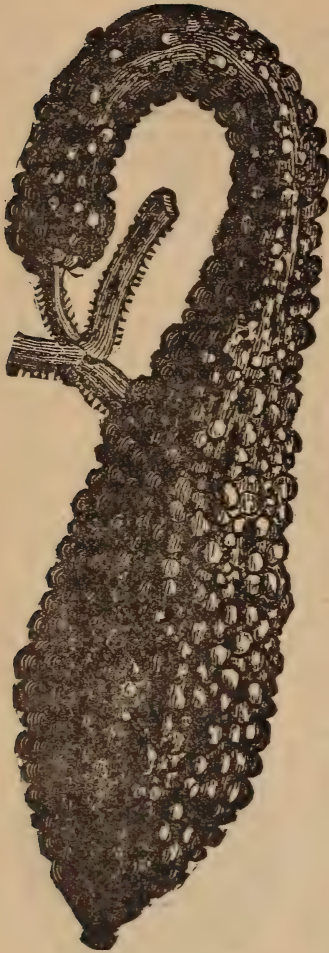
**Early Bush Scallop.**

**Perfect Gem**—Small, flattened, slightly ribbed; of cream white color, flesh fine grained, dry, sweet and of good flavor; sets its fruit near the root. Very productive, as many as twenty-four squashes have been grown on a single vine. Good for summer use. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

**Winter Crookneck**—Of fair quality, very hardy and a good keeper. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 60c.

**Summer Crookneck**—One of the best, very early and productive. The richest summer squash. Plant in hills four feet apart. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 25; lb 80.





#### ✓ Giant Summer Crook Neck.

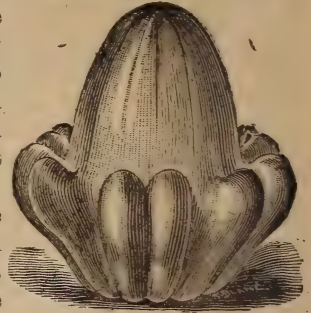
This magnificent strain has been brought about by years of painstaking selections. It is a beautiful bright yellow and grows to a very large size; very early, and is a most profitable sort for marketing, because it grows so quick and large; keeps bearing all the summer and commands good prices. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 30c; lb \$1.00.

✓ Boston Marrow—A good tender, rich variety for fall and winter, very dry, fine grained, and for sweetness and excellence cannot be excelled. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 30c; lb \$1.

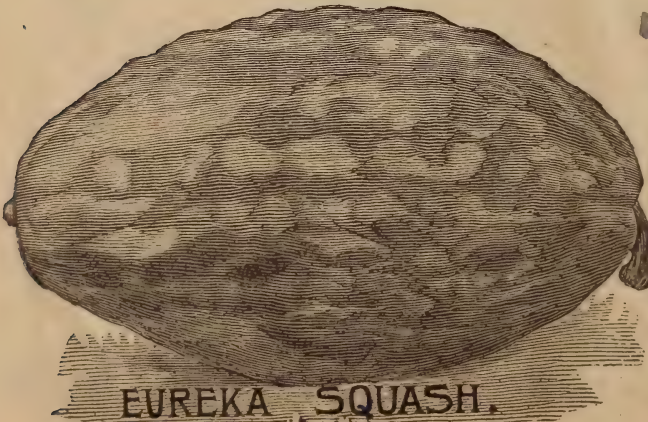
✓ Marble Head—A good winter squash, resembling the Hubbard, fine grained and solid; an excellent keeper. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 20c; lb 60c.

✓ Mammoth Chili—Grows to an immense size; often weighing 200 pounds; excellent for pies or feeding stock. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 30c; lb \$1.

✓ Pine Apple—Vine vigorous and hardy not coming into bearing until late in the season, and then producing fruit at nearly every joint, making it one of the most productive kind grown. The fruit is of a peculiar shape with projecting ribs in pairs. Skin cream white; flesh very thick and with a peculiar flavor on which account it is much liked for pies, although it is also used green like the summer squashes, and baked and stewed like the winter kind. Pkt 5c; oz 10c;  $\frac{1}{4}$ lb 30c; lb \$1.



Pine Apple.



EUREKA SQUASH.

#### ✓ Eureka Squash—

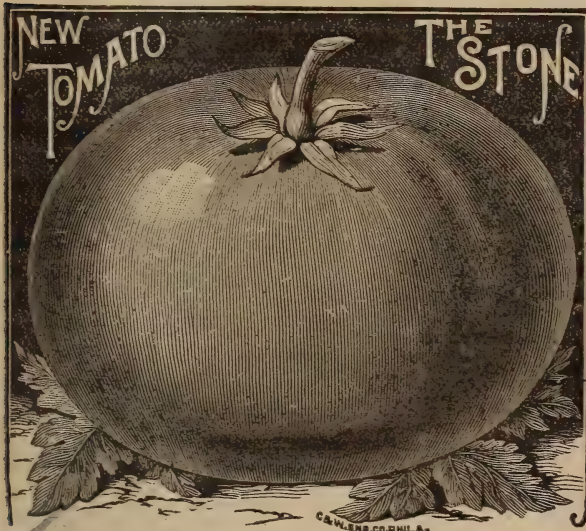
Flesh very thick and fine grained, and either steamed or boiled is of extra fine quality, and when baked the Eureka is simply perfection itself. The outside color is grayish green, very handsome and with its rough and uneven surface at once indicates its good qualities for the table. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 30c; lb \$1.

# TOMATOES.

One ounce for 1,500 plants;  $\frac{1}{4}$  Pound (to transplant) for an acre.

This vegetable is now one of the most important garden and market products. The seed may be sown in a hot-bed, green-house, or inside the window or sitting room, where a temperature of not less than 60 degrees is kept, the first week in March. When the plants are about two inches high they should be set in boxes three inches deep, or into small pots, allowing a single plant to the pot. If transplanted a second time into larger pots, the plants are rendered more sturdy. About the first of May, in this latitude, plants may be set in open ground. They are planted for early crops on light,

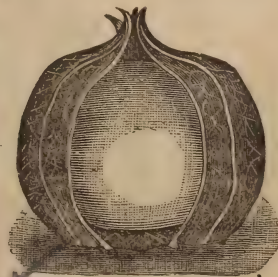
sandy soil, at a distance of four feet apart in hills, water freely at the time of transplanting, and shelter from the sun a few days until the plants are established.



### New Stone Tomato

The New Stone Tomato ripens for main crops; it is very large and a bright scarlet color; very smooth with occasionally a specimen slightly octagon shape, ripens evenly to the stem without a crack; exceedingly solid and firm fleshed (as its name indicates) it is an excellent shipper, quality the very best; fine for canning. Pkt 5c; oz 20c; 1-4 lb 60c, lb \$2.

**Livingston's Beauty**—It is an extra early, growing in clusters of four or five; glossy crimson partaking of some of the characteristics of the acme; solid, retains its color and size late in the season. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2



**Purple Husk Tomato**—This new and beautiful variety produces fruit in great abundance, from one to two inches in diameter, enveloped with a husk. Pkt 5c;  $\frac{1}{2}$  oz 20c; oz 35c.



## NEW TOMATO--"Crimson Cushion," Large

The earliest large tomato.

The color is brilliant scarlet crimson, untinged with purple, and ripens up almost completely to the stem. The "Crimson Cushion" is almost seedless, requiring from 10 to 12 bushels of ripe fruit to produce one pound of seed, whereas a pound of seed is realized from 3 bushels of ordinary tomatoes. These figures tell better than any description the "seedless" character of this grand variety. The flesh is firm and "meaty" and of superb quality. It is enormously prolific, and wonderfully early for so large a tomato. Pkt 10c;

oz 30c;  $\frac{1}{4}$  lb \$1



### Early Leader Tomato

The earliest, most productive tomato ever introduced. The Leader grows in several clusters upon a well supported vine, showing from fourteen to nineteen large fruits of rich crimson color. Three clusters of ripe fruit have weighed 8 lbs. 2 oz. at one picking. Pkt. 5c; oz 30c;  $\frac{1}{4}$  lb \$1.00

✓ Success.  
*Yellow Prince*

✓ **Early Acme**—One of the most popular varieties, both with market men and consumers. Vines large and continuing to produce abundantly until frost. Fruit in clusters of four or five, invariably round smooth and of good size, ripening evenly and without cracking, and stands shipping well; color purplish pink; flesh solid and of good flavor. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.00.



✓ **New Buckeye State Tomato**—Is the largest fruited variety we have ever grown. It averages at least one-half larger than the Livingston Beauty. It is also smooth and uniform. It is unquestionably the heaviest cropper known. The tomatoes are borne in immense clusters of four to eight fruits, and occasionally ten large fruits have been found on a single cluster. In time of ripening it matures with the Livingston's Stone. In solidity and neatness it has no equal, while in luscious quality, none surpass it. Pkt 5c; oz 25c;  $\frac{1}{4}$  lb 75c.

✓ **Trophy**—Well known as one of the best. Vines of medium size, but producing compact clusters of fruit in immense quantities, fruit large, smooth, of bright red color, solid and of good flavor. Pkt 5c; oz 20c  $\frac{1}{4}$  lb 60c.

✓ **Yellow Plum**—Shape uniformly oval and perfectly smooth, color lemon yellow; used for preserves. Pkt 5c; oz 25c;  $\frac{1}{4}$  lb 75c.

✓ **Livingston Perfection**—Very large and early; blood red, perfectly smooth, thick neat, few seeds, a good shipping sort; really one of the best of all the Livingston Tomatoes of which we now have so many strains. Pkt 5c; oz 20c;  $\frac{1}{4}$  lb 60c; lb \$2.

✓ **Dwarf Champion**—A very distinct variety. Its close upright growth allows it to be planted closer together than other varieties. The fruit resembles the Acme, is of a purplish pink color and always smooth and symmetrical in form. It is of medium size and attractive in appearance, the skin is tough and the flesh solid and of fine quality. A very shy seeder. Pkt 5c; oz 30c;  $\frac{1}{4}$  lb \$1.





## Golden Ball Tomato.

It is round golden yellow variety, and no other yellow sort can approach it in quality. Smooth as an apple and of a handsome smooth gold color. It will stay on the vine weeks after ripening before rotting or falling off the vine. Pkt 5; oz 25c;  $\frac{1}{4}$  lb 75c.

## TOBACCO.

All the species of tobacco are annual plants, and can be grown in more or less perfection wherever there is a summer. In the short, hot, dry summers of the north, the plants attain smaller size than in the long, warm, moist summers of the south though the quality and flavor are thought to be better. The seed should be sown very early in the spring, and as early as possible after the danger of frost is over. When the plants are about six inches high, transplant into rows six feet apart each way, cultivate with plow and hoe.

**Connecticut Seed Leaf**—This variety is a staple crop. Pkt 5c; oz 30c;  $\frac{1}{4}$  lb \$1; lb \$3.

**Missouri Broad Leaf**—A well known standard sort. Pkt 5c; oz 30c;  $\frac{1}{4}$  lb \$1; lb \$3.

## Pot, Sweet and Medicinal Herbs.

**Anise**—Cultivated for garnishing and seasoning, like fennel. Pkt 5c; oz 10c.

**Basil, Sweet**—The leaves and tops of the shoots are the parts gathered and used for highly seasoned dishes, as well as in soups, stews and sauces. Pkt 5c; oz 20c.

**Dill**—The leaves are used in soups and sauces; also put along with pickles. Pkt 5c; oz 10c.

**Fennel**—The leaves form a beautiful ornament. Pkt 5c; oz 20c.

**Majoram, Sweet**—For seasoning. Pkt 5c; oz 20c; lb \$2.

**Sage**—The leaves and tender tops are used in stuffings and sauces. Pkt 5c; oz 25c;  $\frac{1}{4}$  lb 75c.

**Saffron**—Pkt 5c; oz 10c; lb \$1.

**Savory Summer**—Used for seasoning. Pkt 5c; oz 20c.

**Thyme, Broad Leaved**—For seasoning. Pkt 5c; oz 40c.

**Wormwood**—Used for medicinal purposes; it is also beneficial to poultry and can with good results be planted in poultry grounds. Pkt 5c; oz 25c.

## TURNIPS.

This wholesome and agreeable vegetable has been cultivated from time immemorial as a field crop, and is one of the staple products of the farm. It is most easily effected in its form and flavor by soil, climate and mode of culture. There are a great many varieties, but we have selected the following as the best for the garden or farm.



✓ **Early Flat Dutch**—(Or White Topped Strap Leaved)—Standard variety; good sized, pure white, small top, with but few leaves; very sweet. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 50c.

✓ **PURPLE TOP STRAP LEAVED**—The well known popular variety either for family or market use; large size, white, purple above ground; flesh fine grained. Pkt 5c; oz 10c; 1-4 lb 20c; lb 60c.

✓ **EARLY WHITE EGG**—An egg shaped for spring or fall sowing; flesh white, firm, fine grained, mild and sweet. Pkt 5c; oz 10c; 1-4 lb 20c; lb 60c.

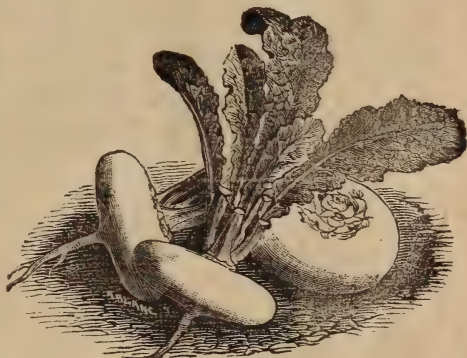
✓ **PURPLE TOP WHITE GLOBE**—A variety of decided merit. Of globular shape; very handsome and of superior quality either for the table or stock. It is a heavy producer, early, of rapid growth and an excellent keeper. Pkt 5c; oz 10c; 1-4 lb 20c; lb 60c.

✓ **AMBER OR YELLOW GLOBE**—One of the best for a general crop, flesh firm and sweet, grows to a large size, excellent for table use or stock, and keeps well until late in the spring. Pkt 5c; oz 10c; 1-4 lb 20c; lb 50c.

✓ **Extra Early Milan**—A new early white variety with purple top and strap leaf. Mild and sweet; remains in good condition for a long time. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 25c; lb 75c.

✓ **Early Purple Top**—(Munich)—One of the very earliest sorts, but not so desirable as the Early Milan. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 75c.

✓ **Pomeranian White Globe**—Is one of the most productive kinds. In good rich soil the roots will often grow to ten pounds in weight; it is the most perfect globe shape, skin white and smooth, leaves dark green and of strong growth. Pkt 5c; oz 10c;  $\frac{1}{4}$  lb 20c; lb 75c.



Purple Top Strap Leaved.

## Ruta Baga Varieties.

The Ruta Baga varieties should be sown a month earlier than turnips as they require longer to mature.

✓ **IMPROVED AMERICAN**—(Purple Top)—Very hardy and productive, flesh yellow, sweet good for stock or table use. Pkt 5c; oz 10c; qr lb 20c; lb 50c.

✓ **LONG ISLAND IMPROVED PURPLE TOP**—This is undoubtedly the finest variety of purple top Rut a Baga, and is twice the size of ordinary sorts. Pkt 5c; oz 10c; lb 50c.

✓ **SKIRVING PURPLE TOP**—A first rate variety and a good keeper. Pkt 5c; oz 10c; qr lb 20c; lb 50c.

✓ **WHITE RUSSIAN**—(or Large White Rut a Baga)—Grows very large; excellent for table or stock. Flesh firm, white and solid; has very rich and sweet flavor. The best keeper of any. Pkt 5c; oz 10c; qr lb 20c; lb 50c.

# Miscellaneous

## Farm Seed

\*\*\*and\*\*\*

### Seed Grain.

These seeds being bulky, it is not desirable to send them by mail, but should be sent by express or freight. Our central location gives us superior advantages in shipping. We not only reach our customers more quickly than houses farther east, but save them considerable in freight charges, as there is hardly a point in the state that we cannot reach by express or freight, saving the expense of transfer from one company to another.

Terms Cash with order. Two-bushel bags 15 cents each. Express or freight charges always to be paid by the purchaser.

#### STANDARD VARIETIES OF SEED CORN

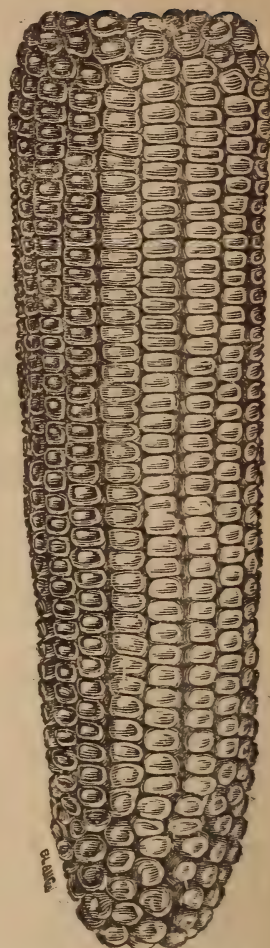
By express or freight at expense of purchaser. Special prices on large quantities.

**Mortgage Lifter**—This is a bright yellow corn with red cob; ears perfect in shape and well filled at both ends; kernels large and deep. It is two weeks earlier than any other corn its size we have ever grown.  $\frac{1}{4}$  bu 40c. bu \$1.40

**Golden Beauty**—Ears perfect in shape; 10 to 16 rows, grains very large, filled out to the extreme end of the cob; very productive. Per  $\frac{1}{4}$  bu 40c; bu \$1.40

**Pride of the North**—Yellow Dent, 16-rowed, cob, very small and red; kernels closely set upon the cob, above medium size, and of deep orange color. Stalks medium size. The earliest of the Dent varieties. Per  $\frac{1}{4}$  bu 40c; bu \$1.40.

**Pure Gold**—The stalks grow eight to ten feet high, full dark foliage, setting its ears low, four to five feet from the ground. Usually matures two ears to the stalk, eight to twelve inches long, cob small, red; grain a bright golden yellow. Ripens in 100 days.  $\frac{1}{4}$  bu 40c; bu \$1.40.



*Kansas Beauty.*



✓ **White Cap Dent**—A distinct variety which combines the earliness and hardness of the **Pride of the North** with ears of very large size. The handsome grains are of the true Dent type, sweet and nutritious. The stalks are stout, growing six to seven feet in height, with abundant foliage. Ears of handsome appearance, eight to ten inches in length, well filled, having sixteen to eighteen rows of deep grains. Ears average two inches in diameter, having a small cob, the grains being very deep but of larger diameter than the slender grains of the **Early Yellow corns**. The outer end of the grain is clear white, deeply dented, while the inner portion is a clear amber-yellow. The grains are flattened and set squarely on the cob, and completely fill the entire surface of the ear.  $\frac{1}{4}$  bu 40c; bu \$1.40.

### ✓ DULY'S HYBRID

It is the largest eared, early yellow dent Corn we have ever seen. And by the middle of October will be so hard and fine it may be sold for **OLD CORN**. It is a big yielder, and within four or five days as early as the **Pride of the North**, and will yield almost double. The yield is so great it may be planted for main crop of Corn. Under ordinary cultivation it will give 60 to 80 bushels to the acre. Do you want a big crop of hard ripened Corn—Plant **DULY'S HYBRID**.  $\frac{1}{4}$  bu 40c; bu \$1.40.

✓ **Early Yellow Rose**—The **Early Rose** shows more vitality and stronger growth than other sorts. The stalks grow eight to ten feet high, full dark foliage, setting its ears low, four to five feet from the ground. Usually matures two ears to the stalk, eight to twelve inches long, cob small, red; grain a bright golden yellow. Ripens in ninety days.  $\frac{1}{4}$  bu 40c; \$1.40.

✓ **Improved Leaming**—Stalks of good size, setting two large handsome ears. Kernels very deep orange color; cob very small. Per  $\frac{1}{4}$  bu 40c; \$1.40.

✓ **Champion White Pearl**—This is a pure white, extra early variety; matures in 90 to 100 days, and is a pure dent corn. The grain is extra deep and wide and cob very small. The stock is short and thick; roots deeply, with ear growing low upon it, thus standing severe storms and drouth well. This is undoubtedly the best variety of white corn.  $\frac{1}{4}$  bu 40c; bu \$1.40.

✓ **Silver Mine Corn**—Stalk grows to a height of about seven or eight feet and sets the ears about three and one-half to four feet from the ground. Just the right height for easy picking. It is early, matured last year in less than 110 days. Ears are fine looking, very symmetrical, deep kernel, extra fine sheller. Next to **CHAMPION WHITE PEARL** this is the best White Corn.  $\frac{1}{4}$  bu 40c. bu \$1.40.



## Kaffir Corn.

(By express or freight at expense of purchaser.)

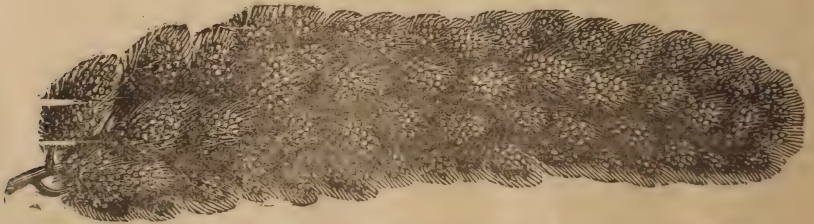
If by mail add 10 cents per pound, for postage.

**White Kaffir Corn**—A non-saccharine variety of sorghum, differing in habits, growth and characteristics from all others. Grows low, stocky and erect; branches from top joint. Resists drouths; makes excellent fodder and in all stages of its growth is available for food. Matures about the same time as Early Amber Cane. Seed heads are well eaten by all farm animals, and yields 50 to 60 bushels of grain per acre. Per lb 5c; per 100 90c.

**Red Kaffir Corn**—This grows taller than the white. The stalks are slender. The heads are long and slender and grow erect. The seed is red, smaller than the white and rather hard and brittle. Per lb 5c; per 100 90c.



## MILLET. (MARKET PRICE.)



**German Millet**—The best variety and largely grown wherever its value is known. It helps out wonderfully when a short crop is threatened, and produces two or three times as much hay per acre as timothy or clover. Three to five feet high. Sow broadcast 1 bushel to the acre for hay;  $\frac{1}{2}$  bushel if for seed, from May 1 to August 1.

**Golden Millet**—It is an annual grass, and its luxuriant leaves being very juicy and tender, are much relished by all kinds of stock. It makes a very good hay. Sow from one-half a bushel to one bushel to the acre.

**Hungarian Millet**—Early; height two to three feet; abundant foliage and slender head; withstands drouth; yields well.

**BARLEY.**

MARKET PRICE.

Barley—The most popular variety of Barley grown. It is a six rowed sort, long heads well filled strong straw, is later than the common six rowed, and a heavy yielder.

---

Peanuts—As easily raised as corn or potatoes. Produce 25 to 70 bushels per acre. Postage paid per pound 25c.

Large Russian Sunflower—Post paid per lb 30c.

Castor Beans—Postage paid per lb 20c.

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**OATS.****RED****RUST****PROOF****OATS.**

This has been our leading variety for several years. It has no equal. It is earlier, hardier and yields more to the acre than any other variety, notwithstanding the claims made by many dealers of the enormous yield the new varieties they advertise will make. Per bu 75c.



A. BLANC

## Clover and Grass Seed.



**Alfalfa or Lucerne Clover**—A valuable forage plant particularly adapted to our state. Should not be sown on hard compact soil or on land with hard sub-soil, but on sandy, open, porous soil. It finds its natural home on the creek bottoms of Kansas. No other place will produce as much seed to the acre. The great value of Alfalfa is in its enormous yield of sweet and nutritious foliage; which is highly relished by stock either when green or cured into hay. Horses, cattle and hogs all grow fat on it. It can be cut three times in a season. Sow twenty pounds to the acre.

**RED CLOVER**—This species is regarded as by far the most important of the whole genus for the practical purpose of agriculture, being valuable, not only for a forage plant, but also for its fertilizing qualities on the soil. It has very long and powerful tap-roots; when these roots decay they add largely to that black mass of matter we call the soil. As a forage plant it makes an excellent quality of hay, and can be cut at least twice a year. Sow about fifteen pounds to the acre.

**ORCHARD GRASS**—(*Dactylis Glomerata*). This is one of the most valuable and widely known of all pasture grasses, coming earlier in the spring and remaining later in the autumn than any other. It grows about 2 1-2 feet high producing an immense quantity of leaves and foliage. Blooms with red clover and making with it a most desirable hay. It is well adapted for sowing under trees in orchards, and very valuable for either grazing or for hay. Fourteen pounds per bushel. Sow 1 1-2 bushel to the acre, either fall or spring.

**KENTUCKY BLUE GRASS**—The old standard grass for pasture and lawns. Every farmer knows it and its good quality. An old "Blue Grass farmer" of Cent. Kentucky says about it: "Whoever has blue grass has the basis of agricultural prosperity, and that man, if he has not the finest horses and cattle he has no one to blame but himself. He can hardly avoid doing well if he tries" Sow about one bushel to the acre.

**TIMOTHY**—As a crop of hay, Timothy is probably unsurpassed by any other grass now cultivated. It is greatly relished by all kinds of stock, especially by horses, while it yields a larger percentage of nutritive matter than any other grass or forage plant. Being an early grass, it is well adapted to spring and summer grazing, and if the fall season is favorable it will grow sufficiently to furnish good fall grazing too. Sow 15 pounds to the acre.

**ENGLISH BLUE GRASS OR MEADOW FESCUE**—This is one of the most valuable pasture grasses we are acquainted with, as its long and tender leaves are much relished by stock of all kinds. It succeeds well even in poor soil, and as its roots penetrate the sod 12 or 15 feet, it is not affected except by exceedingly dry weather, and is as valuable a fertilizer as red clover. When cured like timothy it yields a superior quality of hay. Notwithstanding its acknowledged merits, this grass has been sown only to a limited extent in this country. It is deserving so much more attention than it has heretofore received from American farmers. Sow about one bushel per acre in spring or fall.

**WHITE DUTCH CLOVER**—An excellent pasture clover, forming in conjunction with Kentucky blue grass, the finest and most nutritious food for sheep and cows. Sow five or six pounds per acre.

# Descriptive List of Tree Seeds.

By Mail Postpaid Except Where Quoted by the Bushel.

Apple seed does not reproduce same varieties, but an inferior though hardy stock. If the seed is planted in the spring it must be frozen, after freezing the seed must not be allowed to become dry, or many will be spoiled if deprived of all moisture. Lb 50c; bu \$3.00.

CHERRY MAHALAB—Oz 10c; lb 50c.

CHERRY MAZZARD—Oz 10c; lb 50c.

RUSSIAN APRICOT—Valuable on account of its extreme hardness of trees, and fine qualities of fruit. Oz 10c; qr lb 15c; lb 40c.

PEACH—New crop. Bu \$1.50.

PLUM—Oz 10c; lb 50c.

PEAR—Sow the seed thickly in drills eighteen inches apart early in the spring. Oz 20c; lb \$2.00.

QUINCE—Quinces generally produce same stock from seed but occasionally vary. The stock is much used for budding or grafting the pear. The fruit is used for preserves, tarts, etc. The mucilage from the seed is of use as a toilet article for the hair. Oz 20c; lb \$2.00.

## EVERGREENS.

RED CEDAR—Grown in all sections, very valuable timber, a fine ornamental tree. It has become a fact that no other evergreen will stand the dry hot winds of Nebraska and Western Kansas equal to the Red Cedar, and for wind breaks around the farm houses and stock yards, as well as serving the double purpose of fence posts, the Red Cedar is invaluable. Oz 10c; qr lb 25c; lb \$1.00.

PINE SCOTCH—One of the most valuable of European varieties. It is tough and hardy, of very rapid growth, adapted to great varieties of soil and climates. Oz 20c; lb \$2.00.

SPRUCE NORWAY—A very popular variety from Europe. Oz 15c; lb \$2.00.

SPRUCE HEMLOCK—A wellknown evergreen tree of highly northern latitudes. It is one of the most graceful of Spruces. Oz 40c; lb \$4.00.

ARBOR VITAE AMERICAN WHITE CEDAR—An evergreen of great value for ornamental hedges. Oz 20c; lb \$1.50.

PINE, AUSTRIAN—A native of Europe A very popular variety. It succeeds well here, making a stout, vigorous, rapid growth. Oz 20c; lb \$2.00.

## DECIDUOUS TREES.

MAPLE ASH-LEAVED OR BOX ELDER—A medium sized tree of extreme rapid growth, not usually attaining a height of over thirty feet. The wood is close and fine grained. The sap contains a large amount of sugar. Oz 10c; qr lb 30c; lb 60c.

CATALPA, HARDY—Of the trees that have been suggested as adapted to the formation of timber plantations, the Catalpa species stands pre-eminent. Oz 30c; lb 60c.

LOCUST HONEY—There are two varieties, one with thorns and the other thornless. Oz 10c; lb 50c.

KENTUCKY COFFEE TREE—It is a tall growing tree with large branches. Its appearance in winter is rather coarse,

but when in full leaf it is stately and highly ornamental. It grows rapidly and the wood is valuable. Oz 10c; lb 50c.

AILANTHUS, TREE OF HEAVEN—It grows to a large size, and the foliage has a rich tropical appearance. Oz 10c; lb 50c.

SYCAMORE OR BUTTONWOOD—A native tree extending over a large portion of the United States. It is chiefly found growing along river bottoms, where it attains magnificent size. It makes a very rapid growth and is easy to transplant. Thrives best in a rich, moist soil. Pkt 5c; oz 10c; lb 75c.

BARBERRY—A shrub of medium size and one of the best hedge plants we possess. It is very hardy and forms a dense shrub from four to eight feet high, with many upright, slender branches, covered with sharp, stout prickles. Oz 15c; lb \$2.50.

ASH, WHITE—This is one of the most valuable varieties for forest planting. Oz 10c; lb 40c.

MULBERRY, RUSSIAN—Said to be the most valuable variety for our climate. It is largely planted by the Mennonites in the Arkansas valley, mostly for silk culture. It is easily cultivated, hardy, a good grower, and if kept in dwarf form will make a fine hedge. The berries of the Russian Mulberry are good for desert. The trees make good fence posts after five years' growth, and eventually make good timber for cabinet work. Oz 20c; qr lb 60c; lb \$2.00.

WALNUT BLACK—One of the most valuable varieties for timber planting. A very large tree of rapid growth. It delights in rich soil and luxuriates in our prairie loams, of timber land clay. Bu 60c.

LOCUST, YELLOW OR BLACK—This variety is noted for its rapid growth of hardy and durable timber. It is hardy and succeeds well in many parts of the country, while in some localities it proved a failure. Oz 10c; lb 60c.

OSAGE ORANGE—A native of Texas, but has been generally introduced over the country, from its extensive employment as a hedge plant. The best way to prepare seed for planting is to soak it in running creek until it commences sprouting, then plant like any other seed. Another way to sprout it is by putting it in a vessel and covering it with warm water until the sprouts come out. We prefer the first method. Proper time to sow it is in April or May. Lb 30c; bu \$6.00.

PAWPAW—Too small to be of any value for timber, but makes a fine ornamental tree, and is also cultivated for its fruit, which resembles the banana in form and color, and when fully ripe is delicious. Pkt 5c; oz 16c; lb 75c.

BURR OAK ACORNS—Pound 25c.

WHITE OAK ACORNS—Pound 5c.

PECANS—Pound 25c.

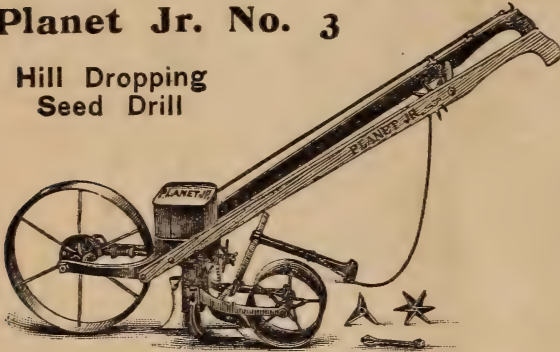
## PLANET JR. FARM AND GARDEN TOOLS.

A complete illustrated catalogue of these finely made, labor-saving tools sent free on application.

**PLANET JR. NO. 3 HILL DROPPING SEEDER, \$10.50.**

### Planet Jr. No. 3

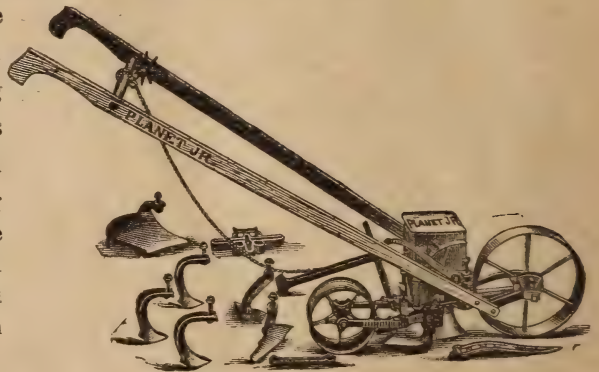
Hill Dropping  
Seed Drill



Planting in rows and thinning afterwards is a terrible time waste. The No. 3 Seeder puts the seed right on the spot where the hill is wanted. Plants 4, 6, 8, 12, or 24 inches apart, or in a continuous row, as desired. Changed in a moment. Holds three quarts.

**NO. 4, COMBINED DROPPING SEEDER AND SINGLE WHEEL HOE. PRICE COMPLETE \$10.50. AS SEEDER ONLY \$8.50.**

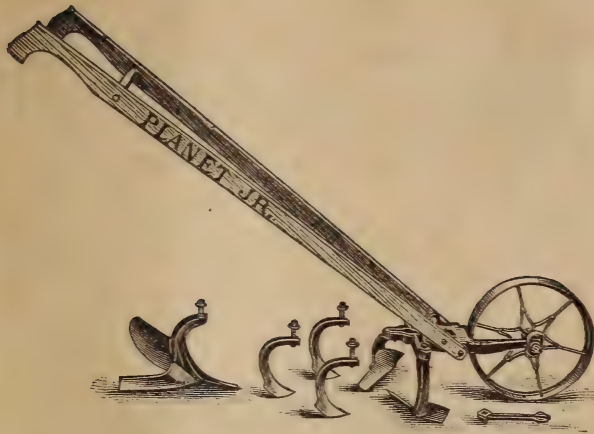
The Drill is the same style as the No. 3 Seeder. but smaller. By moving only one bolt the drill is taken off and the tool frame attached, making it one of the best of the Planet Jr. Single Wheel Hoes. This gives you the "whole business" in one tool.



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



This wheel Hoe is a famous labor-saver. It will do a variety of work that is almost incredible, and it is changed and adjusted with marvelous ease and quickness. The wheels can be set to different widths, the frame at three heights. The tools are changed without removing a single nut. Price \$9



**Planet Jr. No. 17.**  
**Single Wheel Hoe,**  
**\$5.00.**

This tool has a pair of 6-inch hoes, a plow, and a set of cultivator teeth,—an outfit sufficient for most garden work. It is strong and serviceable and will give satisfaction.

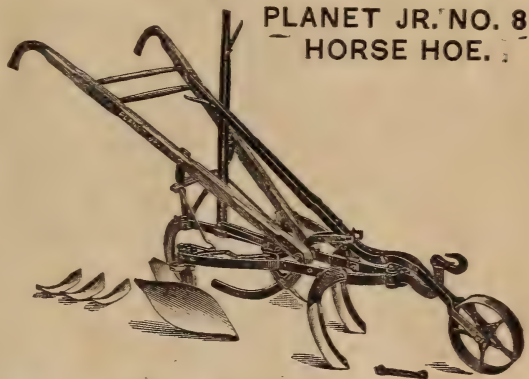
Will do more different kinds of work than any other Horse Hoe. New depth regulator and expander, hollow steel standards.

**Price \$8 00.**

Without Depth Regulator, (order as No. 7,) \$7.50.

Planet Jr. No. 9 Horse Hoe and Cultivator. This tool is similar to the No. 8

Horse Hoe, but it has a plain wheel instead of one operating by a convenient lever. It has the same standard and teeth, and is made in other respects like the popular No. 8. It is strong and serviceable and will give full satisfaction. Price \$7.00.



**PLANET JR. NO. 8**  
**HORSE HOE.**

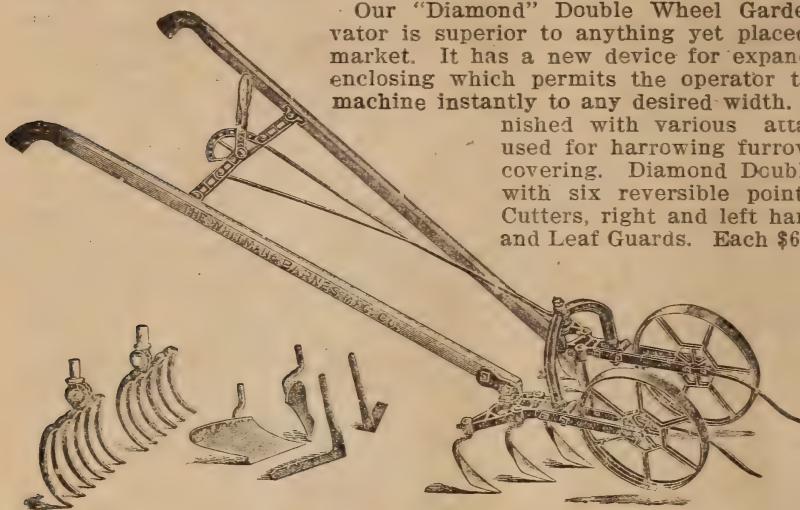
**"PLANET JR."**  
**Harrow and Cultivator.**



This harrow has a high frame, contracting to 12 inches and expanding to 32 inches. The chisel shape teeth cut an inch wide, and cultivate deep without throwing earth on the plants. Has foot lever pulverizer.

A capital strawberry cultivator, turning runners without injury. Price plain \$5.30; with wheel \$6.40; complete, \$8.00.

## "Diamond" Double Wheel Garden Cultivator

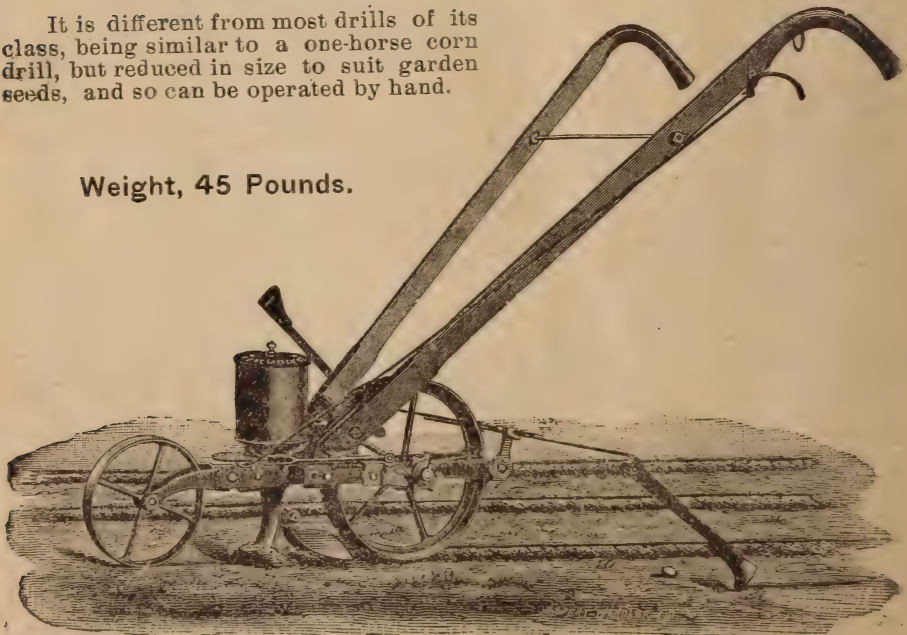


Our "Diamond" Double Wheel Garden Cultivator is superior to anything yet placed on the market. It has a new device for expanding and enclosing which permits the operator to set the machine instantly to any desired width. It is furnished with various attachments used for harrowing furrowing and covering. Diamond Double Wheel with six reversible points, Weed Cutters, right and left hand Plows and Leaf Guards. Each \$6.00

## Western Garden Seed Drill.

It is different from most drills of its class, being similar to a one-horse corn drill, but reduced in size to suit garden seeds, and so can be operated by hand.

Weight, 45 Pounds.



Price Complete, Each, \$7.00.





Electric Bug Exterminator, price, brass, each \$1.00. Delivered by express \$1.25. Tin, 75c, Delivered by express, \$1.00.

## BROADCAST HAND SEED SOWERS.

(CRANK MOTION.)



For Sowing Grass and Clover Seed  
Wheat, Rye, Flax, Oats, Etc.

**Sows from twenty to thirty acres per day  
at a common walking gait.**

This is the cheapest crank seeder on the market and is equal to the best for the quality of the work it does, and for durability.

**\$1.75 EACH.**

Will save one-half the labor and one-third the seed over hand sowing, besides greatly increasing the crop by the more equal distribution of the seeds.

# Illustrated Catalogue of Flower Seeds,

## BULBS AND PLANTS.

We call the attention of our customers to the very high quality of our flower seeds. Everything has been selected with great care and is of the finest strain possible; fresh, true to name and of good vitality. In our list we offer only the very best, the most showy and useful sort.



### ADONIS.

Known as pheasant's eye. The flowers are very brilliant and foliage delicate, hardy annual, one foot.



Adonis Autumnals—Dark, blood red. Pkt 5c.

### ALYSSUM.

Desirable plant for beds edgings or rock. The annual varieties bloom the whole summer, the perennials are among the earliest and most attractive Spring Flowers



Alyssum—Sweet fragrant, white hardy, annual,  $\frac{1}{2}$  foot. Pkt 5c.

Golden Saxtile—(Rock or Golden)—Showy, yellow,  $\frac{3}{4}$  foot; hardy perennial. Pkt 5c.

**AGERATUM.**

A valuable plant on account of the length of time it remains in bloom and for contrast of color with the more brilliant varieties. It blooms constantly all summer in the garden, and if removed to the green house, all winter. Desirable for cut flowers for bouquets. It is well to start the seed under glass and transplant; half hardy annual. Pkt 5c.

*Ageratum Mexicanum*—Light blue, two feet. Pkt 5c.

*Tom Thumb*—Dwarf blue, distinct variety, desirable for edging, ½ feet. Pkt 5c.

*Lasseanxi*—Rose colored, 1 foot Pkt 5c.

*Conspicuum*—Valuable for winter, white. Pkt 5c.

**AGROSTEMMA.**

(Crown of the Field.)

Perfectly hardy plants, producing pretty pine like blossoms on long, slender stems.

Very useful for cutting and pretty in masses in beds. About 1½ feet.

*Agrostemma Coeli Rosa*—Roma white center, annual. Pkt 5c.

**ASPERULA.**

A charming profuse blooming little plant, bearing clusters of fragrant flowers, admirably adapted for bouquet marketing; hardy annual.

*Asperula Azurea Setosa*—Blue, 1 foot. Pkt 5c.

**ABRONIA.**

A trailing plant, bearing clusters of Verbenia like sweet scented flowers, very effective in beds, rock work and hanging baskets; height six inches.

*Ambronia Umbellata*—Rosy Lilæ with white eye. Pkt 5c.

**ASTER.**

No family of plants bear such distinct marks of progress as the Aster, and none are more eagerly

sought; being one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most perfect and beautiful form, half hardy annual.

**ASTER, TRAFFAUT'S PANSY FLOWERED PERFECTION**—The highest and most perfect type of this class. Seed saved from the most perfect of Traffaut's magnificent strain. 11-2 feet; 12 distinct and brilliant colors, mixed. 10c pkt.

**NEEDLE**—Petals long, quilled and sharply pointed, mixed colors. Pkt 10c.

**HALF DWARF MEXICANA TIFLORA MAUVA**—Of fine form, flowers perfect and abundant. 10c pkt.

**NEW EST DWARF BOUQUET**—Either plant looks like a bouquet of flowers, mixed. 10c pkt.

**NEW BRANCHING ASTER**—One of the handsomest among all the Asters, blooming late in the season when the other varieties are past flowering.

Pink, white, purple, striped and crimson, each pkt 10c.



## AMARANTHUS.

Ornamental foliage plants extremely graceful and interesting, producing a striking effect whether grown for the decoration of the conservatory or the outside flower garden; half hardy annuals.

**Amaranthus**—(Melancholus Rubber)—Beautiful blood red foliage, suitable for masses or edgings. Hardy, two and one-half feet high. 5c pkt.

**Tricolor**—(Joseph's Coat)—Foliage scarlet, yellow and green; beautiful; 3 feet. 3c pkt.

**Salicifolius**—(Fountain Plant)—Scarlet bronze green foliage, magnificent bright colored plumes, graceful drooping habit. 4 feet. 5c pkt.

**Antirrhinum**—(Snapdragon)—A favorite plant of the earliest culture and unsurpassed for summer and fall flowering. Great improvements have been made of late years, and the strains we offer cannot fail to give the most satisfactory results. Started under glass from the first of February to the first of April, and planted out of proper season they will give continuous blooms until after frost or snow. Planted in open ground during the summer they will bloom the next season. Half hardy perennials.

**Antirrhinum Major**—Choice Mixed. 5c pkt.

**BALSAM**—The Balsam has been so much improved by cultivation as to be scarcely recognized. The blossoms are double, though some semi-double and single ones will be pretty certain to appear and such plants should be removed. The flowers will be improved by planting in hot-bed and transplanted when two leaves have formed, one or two feet apart. Pinch off a portion of the shoots, which will increase the size of the flower and vigor of the plant.

**Camelia Flowered**—Very doubled, perfect in form, mixed colors. Pkt 5c.

**Double Dwarf**—Very double, six inches. Pkt 10c.

**Carnation**—Double, striped like the carnation. Pkt 10c

**Solferino**—White, striped, and red. Pkt 5c.

**Common**—Double. Pkt 5c.

**Carnation or Picotee**—No flower can surpass in delicacy of marking, form or delicious fragrance, the richly hued carnation. It has always been one of the most esteemed of the florist's collection, and there is no flower more desirable for the garden. The seed will not produce all double flowers though a good percentage will be double and all shades and colors, many being very fragrant. Sow under glass in a hot-bed or green house, and when of sufficient size, transplant two feet apart each way. New and choice varieties are obtained from seed. Half hardy perennial, 1½ feet.

**Carnation Double Perpetual Flowered**.—Seed saved from choicest double flowers. Pkt 10c.



**Extra Choice Double Mixed**—Seed saved from the choicest French, German, Italian and English stocks. A large portion of this seed will produce double flowers all shades and colors, many being very fragrant. Pkt 10c.

**Double Mixed**—Good seeds producing many good flowers of all shades colors, many being very fragrant. Pkt 15c.

**Grenadian, Secret**—Double flower of great brilliancy; a valuable acquisition. Pkt 20c.

**COCKSCOMB**—(Cenotia)—Highly ornamental plant producing crested heads of flowers, somewhat resembling a cock's comb. There are many colors and shape, but the scarlet and crimson ones are the most brilliant and rich. The oftener they are transplanted or shifted, the larger and more beautiful they grow. Start under glass or in the house and transplant, setting the plants out three feet apart. Tender annual; one to three feet high. Pkt 5c.

**COSMOS**—This is a strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in April or May and transplanted to open ground will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across, resembling single Dahlias in form. Planted in pots and brought inside to flower like Chrysanthemums they are grand. They are of various shades from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Cosmos, Pure White Pearl, Pkt 10c; fine mixed. Pkt 10c.



### CAMPANULA. (Bell Flower.)

Well known, beautiful, hardy, herbaceous perennial, bearing a greater profusion of attractive bloom, thriving best in light, rich soil, some of these varieties flower the first season if planted early.

**CARNATION, MIXED**—Free flowering, blue and white mixed, continuing in bloom the entire season, hardy perennial. 1 foot. Pkt 5c

**MEDIA, MIXED**—(Canterbury Bell) Beautiful large bell shaped flowers; effective plants for the border or pot culture; hardy biennials. 2½ feet. Pkt 5c.

### DAISY. (Bellis)

Charming little plants for edgings and borders. The flowers are quilled and flary petaled, white, pink, red and variegated. Not all will come double from the seed, and the single ones should be pulled out. Sow early in hot-bed and when large enough, transplant to rich, cool partially shaded situation. Set the plants six inches apart. Tender perennial, ½ foot.

**Double Daisy**—Best German seed, mixed color. Pkt 10c.

**White**—Constant bloomers. Pkt 20c.

### DELPHINIUM. (Larkspur.)

One of the most showy and useful plants, possessing almost every requisite for the adornment of the garden; the hardy perennials producing splendid spikes of the flowers in profusion throughout the summer. If sown early they bloom the first year from seed. The hardy annuals are profuse bloomers, and succeed best if sown in autumn or very early in the spring. Choice mixed sorts. Pkt 5c.

### CONVOLVULUS MAJOR. (Morning Glory.)

Handsome, showy climber, suitable for covering arbors, windows, old stumps etc., so perfectly hardy as to grow almost any soil; will soon cover any slightly place if support be given to



vines. The flowers are most brilliant in the morning, and run through many shades from white to dark blue, red and striped. Hardy annual, 10 feet.

**CONVOLVULUS**—Mixed. Pkt 5c.  
**CYPRUS VINE.**

One of the most beautiful of the climbers, fine delicate cut foliage dotted with small, scarlet, star shaped flowers. For covering pillars, trellis work, etc., it is unsurpassed for grace and beauty. Height 6 feet. Sow in open ground after all danger of frost is passed. Choice mixed 10c.

**CELOSIA, CRISTATA, MIXED TALL**—Twelve of the most splendid tall varieties. Mixed, pkt 10c.

**CELOSIA DWARF CRIMSON**—Brilliant. Pkt 5c.

## CANDYTUFT.

Universally known and considered indispensable for cutting. All of the varieties look best in beds or masses. Seed sown in the autumn produces early flowers from July to September, and some of the sorts until frost comes. All the varieties are hardy and easy to cultivate. Single plants transplanted look well and bloom profusely. Hardy annual; one foot high.

- Candytuft—Purple. Pkt 5c.  
 Candytuft—White. Pkt 5c.  
 Candytuft, New Crimson—Fine. Pkt 5c.  
 Candytuft—Fine Mixed. Pkt 5c.



## CALENDULA.

Marigold—The Marigold has been an inhabitant of flower gardens from time immemorial and where a rich display of bloom is desired, is almost indispensable. The African varieties are tall, growing usually two feet or more, while the French are more dwarf, of most perfect form and gorgeous beauty; all are desirable. Hardy annuals in bloom till frost comes.

Meteor—The handsomest of the Calendulas, perfectly double and beautifully striped, the petals having a creamy center, edge with orange yellow. Pkt 5c.

Double Mixed—Pkt 5c.

## CANNA.

Stately and highly ornamental plant desirable not only for the beauty of its spikes of flowers, but for its elegant foliage. The leaves are rich, deep green; three feet long and six inches wide, very handsome as they unfold themselves. Start in hot-beds in pots and transplant in June and blossoms will appear in July or August. Soak the seed thoroughly before planting and keep in a warm spot. The root can be kept in a green house from year to year and then become perennial. Tender annual in open ground; four to six feet high. Pkt 5c.

## MESEMBRYANTHEMUM.

Mesembryanthemum Crystallium—(Ice plant)—Handsome and curious plant for hanging baskets, rock work vases and edging. The leaves and stems are succulent and fleshy, and appear as though covered with ice crystals and look like rock candy. Pkt 5c.



## FOUR O'CLOCK.

(Marvel of Peru.)

The plants are large and require four feet of space; make a very pretty hedge. Some of the varieties have beautifully variegated leaves. The flowers are funnel shaped, white, red and striped, very fragrant, and open about four o'clock in the afternoon and remain open all night. The French call it *Bella de Nuit*, "Beauty of night." Will grow in any common garden soil, from seeds sown in open ground. Hardy annual, 2 feet.

FOUR O'CLOCK—Mixed. Pkt 5c.

## IPOMEA.

(Evening Glory.)

Beautiful and exceedingly attractive mixed with other climbers. The flowers are of a variety of shapes and sizes, and of an endless number of colors, many being wonderfully brilliant, and of graceful form. They are alike good for green house, for pots and baskets, and for trellis, stumps, arbors, etc. They require heat in starting, and some of the varieties will not succeed out of the green house. Tender annual, 5 feet.

Ipomea—Fine mixed. Pkt 5c.

Moon Flower—Pkt 5c.

**CHRYSANTHEMUM.**

Showy and effective garden favorites, now also extensively grown for cut flowers. No place is now complete without them. Mixed annual varieties 5c.

Lord Baconsfield Burridgeanum —  
Rich crimson Red with white  
—Maroon, delicat- center. Pkt 5c.  
ly striped and edged with gold. Pkt 10c.  
Fine Mixed.—Pkt 5c.

**MIGNONETTE.**

A well known hardy annual, producing dense semi-globular heads, of exceedingly fragrant flowers, borne on spikes from three to six inches long. Is in bloom nearly the whole season, and the perfume is so fragrant that the whole atmosphere is perfumed. No garden should be without it.

sown at intervals during the spring and early summer it will be in bloom until killed by the frost. Seeds sown in autumn will bloom early in spring. Hardy, annual, perennial if protected; one foot high.

Mignonette, Golden Queen—A new variety; the flowers are golden yellow and powerfully fragrant. Pkt 10c.



Dianthus (Pink)  
The family of Dianthus is by far the most beautiful of all the annuals and biennials and for beauty and variety cannot be surpassed. The delicacy and richness of the tints, combined with the aromatic fragrance of many of species are valuable recommendations for the entire family.

CHINESE—Best double variety mixed. Pkt 5c.

HEDEWIGII—Large flowers three inches in diameter. Pkt 5c.

BEST DWARF VARIETIES—Mixed. Pkt 5c.

**LOBELIA.**

A most elegant and useful genus of plants, of easy culture, and well adapted for bedding, edging, pots or rockeries. They are employed as universally in general summer gardens as scarlet geraniums, to beds of which they form a neat effective

edging. Seeds should be covered lightly. Start early, under glass, and transplant or sow in open ground in May.

Mixed Varieties—Pkt 5c.

**HOLLYHOCK.**

The hollyhock, in its present state of perfection, is very unlike its parents of the olden times. It now ranks with the dahlia, aster, camelia, etc. For a background to flower garden perhaps no flower is so useful. Flowers are as double as a rose of many shades of color, from deep yellow, red, Purple to pure white. Plant the seeds in June or July in open ground, and when the plants have made fine leaves, transplant to three feet apart. The following summer they will bloom hardy perennial 3 to 5 feet.



Double Mixed—Pkt 10c.

**STOCKS.**

STOCKS—(German Ten Weeks)—The stock has for many years been a general favorite, but of late years the Germans



have grown them in such perfection that they are considered almost indispensable where fine display is wanted. Half hardy annual 1 to 1-4 feet.

DOUBLE GERMAN TEN WEEKS—Fine mixed pkt 5c.

EMPOER OR PERSETAL—The magnificent spikes of bloom are very rich and attractive and for individual specimens are unequalled. Tender perennial 1 1-2 feet high. Twelve most beautiful colors mixed. Pkt 10c.

BROMPTON—Blossoms well in winter; flower very fragrant. Half hardy biennial, 1 1-2 feet high. Six best colors mixed. Pkt 10c.  
ties have been greatly improved, hardy,

**NASTURTIUM DWARF--*Tropaeolum Minor.***

Very useful for bedding, massing or ribboning. A few dwarf Nasturtiums in the yard are very brilliant and attractive and they are in bloom all the season. The flowers are more brilliant if the soil be not over rich. Give each plant a foot of room. Hardy annual, one foot.

**Mixed**—Pkt 5c.

The *Tropaeolum Majus* or tall Nasturtiums are amongst the easiest grow and prettiest climbers quickly running six to twelve feet thriving on poor soil. Free bloomers and the green seed pods make excellent pickles.



**Majus, Finest Mixed Tall Nasturtium**—Many bright colors. Pkt 5c; oz 15c.

**NOLANA.**

Beautiful free flowering, trailing plants with convolvulus like work flowers; excellent for rustic work or hanging baskets, showy also for borders. Tender annual, ½ feet.

**Nolana**—Mixed. Pkt 5c.

**OXALIS.**

A splendid class of plants, with brilliant colored flowers, suitable either for green house decoration, rock work, or rustic baskets outdoors. Half hardy perennials 1-4 foot.

**DIGITALIS—Fox Glove.**

Ornamental plants of much beauty, producing dense spikes of flowers on stems three to five feet high. The blossoms are thimble shaped, purple, white and



spotted, and very striking. Seed can be sown in spring or autumn and large roots can be divided. Blossoms the second season. Hardy biennials, three feet.

**SPLENDID MIXED**—Pkt 5c.

**Oxalis Rosea**—A neat erect plant, with bright rose colored flowers. Pkt 10c.

**Valdiviana**—A compact, growing



variety, with sweet scented, bright yellow flowers. Pkt 10c.

**Mixed Varieties**—Pkt 10c.

**ESCHSCHOLTZIA.**  
(California Poppy.)

Very attractive plants for beds, edgings, or masses; profuse flowering and fine cut, foliage, in bloom from June till frost, hardy annual; 1 foot.

**Choice**—Mixed. Pkt 5c.

**Racinus** (Caster oil beans) **Borbonicis**—Handsome foliage, 15 feet high. Pkt 5c.

**Gibsoni Marabilis Dwarf**—Four feet high. Pkt 5c.

**Gibsoni Coccinea**—Bronze color, 12 feet high. Pkt 5c.

**Sagineus**—Red stalks, scarlet fruit, 5 feet high. Pkt 5c.

**FOR-GET-ME-NOT.**

The For-get-me-not is an old favorite plant, bearing clusters of star shaped delicate blue flowers with white and yellow eyes. It flourishes best in a moist shady situation, and is in constant bloom nearly the whole season. If the seed be sown in autumn it will succeed best, and flower early in the spring. Hardy perennial ½ foot.

**Dissitiflora**—Earliest of all dark



blue very fine flowering variety, with large blossoms, quite distinct from any other, ½ foot. Pkt 5c.

**PANSY—Niola Tricolor.**

These lovely flowers are favorites with all, not only for the brilliancy and variety of color, but for the durability of their bloom. Seeds may be sown in open ground in spring or summer, or in hot-beds early in spring. Young plants produce the largest and best flowers. The plants should always occupy a cool partially shaded situation, and the ground can not be too rich, coolness and moisture are necessary. Transplant when an inch high. Seed sown in July will blossom late in autumn; if sown in October will bloom the following spring. Hardy biennial.

**Giant Trimardeau—**Enormous size, annual. Pkt 5c.

**Odier or Blotched—**Rich and varied colors. Pkt 15c.

**Guardricolor—**Upper petals sky-blue, annual. Pkt 10c.

**Lord Baconsfield—**Deep purple violet annual. Pkt 10c.

**Emperor William—**Ultramarine blue violet eye. Annual. Pkt 10c.

**Snow Queen—**Pure satiny white annual. Pkt 15c.

**Faust or King of the Blacks—**Almost coal black, annual. Pkt 10c.

**Violet—**Marginal with white, annual. Pkt 10c.

**Striped or Mottled Varieties—**Very fine, annual. Pkt 10c.

**Dark Purple—**Very rich, deep color annual. Pkt 10c.

**Azure Blue—**Very fine, annual. Pkt 10c.

**Fine Mixed—**Pkt 5c.



**POPPY.**

A showy and easily cultivated hardy annual, with large brilliant colored flowers, growing freely in any garden soil, and producing a fine effect in large clumps or mixed beds. Sow early in the spring where they are to remain as they will not bear transplanting, 2 feet.



**Pæany Flowered—**

We have a superb strain of these with flowers as fine as

the largest double dahlias; the colors are distinct and range from red to pure white Pkt 5c.

**PORTULACA.**

There are scarcely any flowers in cultivation that make such a dazzling display of beauty as a bed of many hued brilliant colored Portulacas. They are in bloom from about the first of July until killed by frost in autumn. Tender annual. ¼ foot.



**SINGLE MIXED—**Pkt 5c.

**DOUBLE MIXED—**Pkt 5c.

Remarkable for the brilliancy and abundance of title large terminal flowers completely hiding the foliage. The blossoms are of many colors, from pure white to deepest purple, eyed and striped. For masses of separate colors and for cutting bouquets they are unsurpassed. The seed can be planted in open ground in autumn or spring, or plants may be started in hotbeds and transplanted. Give good rich ground and set plants six inches apart each way. Hardy annual 1 foot.

**Flore Albo—**Pure white. Pkt 5c.

**Carmine Queen—**Pkt 5c.

**Fine Mixed—**Pkt 5c.

**Carantion Flowered—**Brilliant, large, showy; double flowered, of various colors. Pkt 5c.



#### NEW AMERICAN SWEET PEAS.

**BLANCH FERRY**—One of the most popular varieties ever introduced. It is earlier and hardier than any other, of dwarf and compact growth; can be grown without supports; desirable for forcing; the very sweet flowers are of a large size and are produced in great profusion, of a beautiful pink color. Pkt 5c; oz 10c.

**ROREATTON**—Splendid, deep, dark maroon blossom. One of the most distinct varieties, with large flowers of richest coloring. Pkt 5c; oz 10c.

**SPLENDOUR**—A very large and finely shaped flower of bright rose in color and one that always attracts attention. Pkt 5c; oz 10c.

**PRINCE OF WALES**—Shaded and striped mauve and purple on white ground. A distinct flower. Pkt 5c; oz 10c.

**CARDINAL**—Standard tense, rich rose carmine; wings deep red-purple. One of the brightest reds in cultivation. Pkt 5c; oz 10c.

**MRS. SANKEY**—Undoubtedly the best pure white sweet pea in cultivation. Remarkable for large size and pure white flower; valuable for forcing. Pkt 5c; oz 10c.

**DUCHESS OF EDINBURG**—A deep bright red difficult to describe, wings hood shaped and darker in color than the standard; keel shaded from purple pink to white. Pkt 5c; oz 10c.

**QUEEN OF THE ISLE**—White ground distinctly striped and splashed with bright

#### SWEET PEAS.

Sweet peas are among the most useful, ornamental and beautiful of all our hardy annuals. Should be sown four inches deep in a stiff heavy soil, and from six to eight inches in light soil and early in the spring as possible. Don't wait for fine weather.

Use plenty of seed so that they will not be more than an inch apart. Hoe the soil toward the plant a little, but do not form a ridge, and furnish support early. The flowering sweet peas are the sweetest of our climbing annuals.

**THE SENATOR**—Splendid, finely formed large flowers, shaded chocolate and bright brown, and striped on a creamy white ground color, mottled and blotched in every conceivable manner. In strong lights, its markings take on an almost reddish hue. Pkt 5c; oz 10c.

**CAPTAIN OF THE BLUES**—One of the largest blue flowered sorts. Standard very broad and bright purple blue; wings broad expanded and a lighter and brighter blue than the standard. Pkt 5c; oz 10c.

scarlet and carmine. Good form and a strikingly beautiful flower. Pkt 5c; oz 10c.

**ADONIS**—Rosy pink, the wings a little darker than the standard. Both wings and standard are long but comparatively narrow. A showy flower. Pkt 5c; oz 10c.

**APPLE BLOSSOM**—Large, pointed flower, shaded pink and rose, with the prevailing tints deepest in the clearly veined standard, most appropriately named. Pkt 5c; oz 10c.

**BLANCH BURPEE**—A white seeded pure white of exquisite form and immense size, have a bold upright shell shaped standard of great substance; is a wonderfully profuse bloomer, and absolutely free from any objectionable notch so conspicuous in Queen of England and Emily Henderson. It usually bears three flowers on a stem; a very chaste variety, and by far the finest sweet pea ever produced—Mr. Eckford's own description. Pkt 10c.

**ORANGE PRINCE**—Of rare beauty, Orange salmon standards with bright pink wings. Although the flowers are rather small, it has become very popular. Pkt 5c; oz 10c; qr lb 25c; lb 75c.

**COUNTESS OF RADNOR**—Flowers medium sized, standard broad, waved at edge, pale lilac, shaded mauve; wings pale lilac. A distinct and beautiful variety. Pkt 5c; oz 10c.

**INVINCIBLE SCARLET**—Plant vigorous grower and profuse bloomer, flowers large and brilliant scarlet pink. Pkt 5c; oz 10c.

**INDIGO KING**—Standard deep purple maroon, wings indigo blue. A distinct, large and fine shaped flower. Pkt 5c; oz 10c.

**LOUIS ECKFORD**—Standard, large, broadest at base; a delicate mauve; wings large, expanded, white, shaded with delicate blue which becomes a bright blue line at the edge. Pkt 5c; oz 10c.

**VIOLET QUEEN**—Rosy pink standard; large widely expanded violet wings. Pkt 5c; oz 10c.

**METEOR**—Truly an exquisite variety. Standard, bright orange salmon, wings delicate pink with slight veins of pure purple. Altogether a flower possessing rare novelty. Pkt 5c; oz 10c.

**OUR OWN MIXTURE**—None surpass this make up of from the finest new sorts. Pkt 5c; oz 10c; qr lb 20c; lb 50c.

**FINE MIXED**—All sorts and colors. Pkt 5c; oz 10c; qr lb 15c; lb 40c.

**PETUNIA.**

For out door decoration or for house culture few plants are equal to this class. They commence flowering early and continue a mass of bloom throughout the season. Require rich soil and a sunny situation. Of late years the single striped mottled and double varieties have been greatly improved, hardy annuals 1½ feet.



**LARGE DOUBLE**—Pkt 20c.

**FINE MIXED**—Annual. Pkt 5c.

**EXTRA FINE MIXED**—All colors, annual. Pkt 10c.

**VERBENA.**

Very few annuals will make such a gorgeous display during the summer months or furnish more flowers for cutting than the Verbena. Sow these seed under glass early in the spring, and transplant after three or four inches of growth. Good healthy plants can be produced from seed as readily as almost any tender annual. Plants that will perfectly cover a space four ft. in diameter, flower well in July and continue strong and healthy until destroyed by frost. Another strange fact, not generally known, is that nearly all Verbenas raised from seed are fragrant, the light colored varieties particularly so.



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W.A.E. & CO.

Leading florists admit that we have the finest collection of Verbenas that they have ever seen, either in America or Europe.

**VERBENA HYBRIDA**—Extra fine mixed choice seed saved only from the most beautiful flowers, 10c.

Striped, excellent flowers with Carnation like stripes, 10c.

Scarlet, brightest scarlet, quite true, 10c.

Pure White, quite true from seed, 10c.

Cloth of Gold. The gold and yellow leaves present a unique appearance (fine mixed) Price 10c.

Coerula. Blue shade, 10c.

One package of each above six 50 cents.

**SWEET WILLIAM.**

The best variety of Sweet William are of exceedingly beautiful colors, very large and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants are perfectly hardy, and may be increased by division of the roots. There are very good double varieties. It is well to raise new plants every few years from seeds for old plants become debilitated and unsightly, and the flowers decrease in size. The Sweet William is a very old and once popular flower and is again coming into favor more and more every year. Perennial.

**SWEET WILLIAM PERFECTION**—Mixed 5c.

**COMMON DOUBLE**.....5c

**VINCA.**

A genus of free flowering green house perennials, with glossy green foliage and beautiful circular flowers. If sown early under glass and transplanted in a warm situation, they will bloom in the summer and autumn, and may be potted for the house before the frost. Tender perennials, 2 feet high.

**MIXED RED AND WHITE**—Pkt 5c.

**ZINNIA.**

The Zinnia is a large, free growing plant, and so handsome that it will always be popular. It is in flower all summer, making the most brilliant display possible. The Zinnia makes an excellent border or summer hedge, and for this purpose set plants twelve to fifteen inches apart so as to make a continuous row or border. The seed grows easily and the young plants can be moved as safely as cabbage plant.

**ZINNIA**—Double choicest mixed. Pkt 5c.

**CURLED AND CRESTED**—A new and beautiful strain of this popular plant, showing on each plant from 100 to 200 large, double flowers the petals being twisted, curled and crested into graceful and most fantastic forms. The colors comprise all the beautiful shades characteristic of the Zinnia.

**TOM THUMB**—Varies from four to twelve inches in height, and from six to fourteen inches in diameter, forming compact, free flowering, pigmy bushes, suited for edgings, small beds and groups. Pkt 10c.

## General Collection of Plants, Vines, Bulbs and Shrubbery.

### SUCH AS ARE BEST TO GROW in the WEST

No order in this department filled for less than twenty (20) cents.

Everything in this collection sent by mail or express.

Our plants are grown right here in Kansas, and will give good satisfaction if properly cared for; and you will receive them in fresher condition than those sent out by Eastern parties. Our plants are all **WELL ROOTED POT PLANTS** not taken from the cutting bed.

**REMEMBER** we will send larger plants with all the soil around the roots, if you order them sent by express and you are much surer of your plants living

**ABUTILONS, OR FLOWERING MAPLE.**

Splendid plants both for house and bedding, producing freely beautiful bell shaped pendant flowers.

**Sour de Bonr**—Its leaves are margined with white strong grower, making it a very ornamental plant, its flowers are pink. 10c each.

The flowers of the other varieties are white, yellow, red, pink. 10c each.

**ACHRYANTHUS.**

Very showy bright foliage plants for house or garden culture. 10c each.

## ALYSSUM.

Dwarf growing plants giving an abundance of small white sweet scented flowers; fine for hanging baskets or borders in the garden. 10c each.

## AGERATUM.

*Stelia Gurney*—Dwarf Growing, ever blooming, blue flowered plant, a great improvement over Cope's Gem. 15c each.

## ASPIDISTRA LURIDA

Splendid plants for aquariums, also fine for pot culture, large strong, showy leaves of the easiest culture. 20c each

Variegated—Similar to the above, with creamy white markings in the leaves. 25c each.

## BEGONIAS.

*Albia Picta*—Narrow glossy green leaves, spotted, white, flowers creamy white. 10c each.

*Argentia Guttata*—Large long pointed green leaves with small silver spots, good grower, flowers white; one of the best. 10c each.

*Erfordii*—Foliage small, dark green, flowers pink, continuous bloomers, dwarf grower. 10c each.

*Goulin*—Large, long pointed green leaves, freely spotted with white, large pink flowers. 10c each.

*Incarratii*—Long lanceolate leaves, slightly scalloped, pretty pink flowers. 10c each.

*Manicata*—Very large light green leaves, with curious whorls of red hair on under side of leaves, flowers pink, winter bloomers. 15c each.

*Manicata Aurea*—Similar to the above except the leaves are spotted with yellow. 25c each.

*McRophylum*—Large round leaves, very dark green on upper side, bright red on under side; pink flowers on long stems. 20c each.

*Hyrida Multiflora*—Very small glossy green leaves, grows in a pretty shaped plant, pink flowers hanging in clusters. 10c each.

*M. DeLesseps*—One of the very finest Begonias, large, oblong, bronzy green leaves, with a silky texture, beautifully spotted with white, white flowers tinted pink, in very large clusters, a strong grower. Each 15 cents.

*Paul Bruant*—Large pointed green leaves, strong grower, profuse winter bloomer, flowers in large clusters on strong stems, of a greenish pink tint (one of the best). 15 cents each.

*Pres. Carnot*—A magnificent Begonia, a strong upright grower, large leaves, upper side green, with satin luster, under side purplish red, large flowers of a coral red. 15c each.

*Rubra*—Rich green, long leaved, strong grower, flowers scarlet. 15c each.

*Thurstoni*—Leaves bright metallic green, shading to red, very deep veins, leaves have a beautiful glossy texture, flowers pink. 15c each.

*Mad Carrier*—Dwarf growing, profuse bloomer, white flowers. 10c each.

*Verschaffelta*—The largest leaved of all Begonias. Leaves four pointed, bright green, underside of leaves and leaf stocks heavily haired; dark pink flowers on long stem; winter bloomer. 25c each.

*Sunderbruchii*—One of the most beautiful of the begonias. Each leaf is separated into five to seven sharp points. The surface is bright metallic green, veins broadly shaded with velvety black, under side of leaves and stems heavily haired. Large panicles of pinkish green flowers on long stems. 25c each.

## CANNAS.

One of the beautiful tropical plants with large leaves and rich showy flowers. Nothing will make a finer show in the garden or lawn. A cluster of these cannas will always attract attention. We offer many of the best varieties.

*President McKinley*—Flowers brightest crimson shaded scarlet. (Very dwarf) profuse bloomer. 15c each.

*Montel*—Bronze foliage, rich crimson flowers, dwarf grower, a splendid Canna. 15c each.



**Alphonse Bouvier**—Dark green foliage, rich velvety crimson flowers, very showy dwarf growers. 10c ea. h.



**Martha Washington**—One of the finest pink Cannas, flowers extra large, very fine. 20c each. (New.)

**Beauty of Poitevine**—Flowers bright rich crimson, free bloomer, stands drouth and heat finely. 15c each

**Bronzed Leaved**—Large dark bronzed leaved, orange scarlet flowers, a strong grower. 10c each.

**Burbank**—Very large flowers, rich canary yellow, with a few carmine spots, giant orchid like flowers, light green foliage. 20c each.

**Chicago**—Flower clear vermillion scarlet, forming large heads of flowers. 15c each.

**Duke of Marlborough**—Flowers darkest known beautiful crimson maroon, one of the very finest. 20c each.

**Italia**—Flowers bright scarlet with broad orange border, fine. 15c each.

**J. D. Cabos**—Flowers bright apricot yellow, early and profuse bloomer, very fine. 15c each.

**Paul Marquant**—Dwarf grower, flowers soft rosy salmon, something new. 15c each.

**President Cleveland**—Flowers brilliant orange, scarlet, early and profuse bloomers, very fine. 15 each.

**Queen Charlotte**—A much improved Mad Crozy, lustrious green foliage, (dwarf grower) very large flowers of a bright scarlet with a wide gold band around the entire flower, very fine indeed. 15c each.

**Progression**—Flowers deep golden yellow, spotted crimson. 10c each.

**Souv. de Antoine Crozy**—The finest gilt edged Canna grown. Flowers brilliant crimson scarlet, bordered by a broad band of golden yellow. Dwarf grower. 15c each.

**Sophia Buchner**—Flowers very large, deep crimson with vermillion shadings, bronzy green foliage, very fine. 15c each.

#### CACTUS.

**Cerus Grandiflorus**—(Queen Cactus)—Flowers at night, the flower is 10 to 12 inches across, and is perfectly magnificent. 25c and 50c each.

**King Cactus**—Abundant bloomer, large red flowers, that last for days. 20c to 50c each.

**Crab (or Christmas Cactus)**—Magenta flowers, drooping habit, blooms in December. 20c each.

**Pink Beauty**—A lovely shelled pink flowered cactus, the flowers are very double and are very beautiful; Blooms in May or June. 25c to 50c each.

#### CALLA ETHIOPICA.

One of the best plants for winter culture, where rich green foliage is desired, makes a most ornamental plant, and when in bloom, with its grand white flowers, it is very fine indeed. Growing plants 25c and 50c; in the fall dry bulbs 25c and 30c each.

#### CARNATIONS.

Good plants for window culture if given plenty of sun and proper treatment, fine for bedding out, profuse bloomers, flowers last a long time, spring prices on the following kinds: White flowered, Pink flowered, Blush flowered, Red flowered, 10c each; yellow flowered 15c each. Large plants from the garden in the fall 25c to 40c each.

#### CHRYSANTHEMUMS.

**The Queen of Autumn**—The plant and flower for every one on account of its free growing habit, and its still freer flowering. No one who loves flowers should be without a few.

##### White Flowered.

**Dreers White**—Incurved medium sized flower. 10c each.

**Domination**—Mid season; very large full flower, one of the best whites, dwarf grower. 10c Each.

- C. H. Ward—Late, broad petals slightly incurved. 10c each.  
 Glory of Pacific—Early, large white, sometimes shaded pink. 10c each  
 H. W. Longfellow—Medium, broad petals, incurving flowers, fine form. 10c.  
 Mrs. Langtry—Late, one of the finest large flowers, incurving, strong grower 10c each.  
 Mrs. Robinson—Early, a large white Japanese, incurved. 10c each.  
 Mrs. A. Ryerson—Mid season, full flower, creamy white. 10c each.  
 Puritan—Mid season, large loose flower, pearly white. 10c each.  
 Queen of Plumes—Midseason. loosely incurved. 10c each.  
 Silver Cloud—Midseason, large flower, loose petals, 10c each.  
 Snow Drop—Very early, small flower, about the size of a nickle. Very floriferous. 10c each.  
 The Queen—Late good size incurving flower. 10c each.  
 Timothy Eaton—Midseason, very large, high built flower. 15c each. (New.)  
 White Bonaffon—Midseason, large incurving fine flower. 15c each. (New.)  
 Wm. H. Cadwick—Late, large white Japanese. 10 each.  
 Mad Revoire—Mid season, large full flower, very fine, dwarf grower. 10c each.  
 Merry Christmas—Very late, large incurve flower, a fine late variety. 10c each.

## Pink Flowered.

- Constellation—Midseason, large flowered, light pink, loose petals. 10c each.  
 Indiana—Late, very large full flower, strong grower. 10c each.  
 Louis Boehmer—Early incurved, one of the very best pink Ostrich plume varieties, dwarf grower. 10c each.  
 Maud Dean—Late, large pink flowers. 10c each.  
 Mrs. Perrin—Early, medium size, rose pink full flower, profuse bloomer, dwarf grower. 10c each.  
 Pres. Smith—Late, a very lovely blush incurved flower, strong grower. 10c each.  
 Rosalyn—Midseason, large loose light pink flower. 10c each.  
 The Harriet—Late, large bright pink flower. 10c each.

- Lady Harriett—Early, incurved large bright pink, dwarf grower. 10c each.  
 Quito—Late, good flower. 10c each.

## Yellow Flowered.

- Appleton—Early, the largest yellow flowered Chrysanthemum. 15c each. (New.)  
 Australian Gold—Midseason, large incurved light yellow flowers. 10c each.  
 Eugene Daillidouze—Late, very large incurved deep yellow flower, very handsome. 10c each.  
 Golden Wedding—Midseason, large golden yellow flower, very fine. 10c each  
 Gorgeous—Early, large flower, dwarf grower. 10c each.  
 Hill's Yellow—Midseason, large incurved perfect flower. 10c each.  
 Harry Parr—Early, lemon yellow, very full flower, fine. 10c each.  
 Mrs. Bute—Late, large fine flower. 10c each.  
 Mrs. Basset—Early. One of the largest early flowers. Light yellow. 10c each

- Thornden—Midseason, large deep yellow fine flowers. 10c each.  
 R. H. Pearson—Early, golden yellow flower, Japanese incurved. 10c each.  
 Yellow Queen—Very early, a full perfect flower, dwarf grower. 10c each.

## Red Flowered.

- Black Hawk—Midseason, dark, velvety crimson. Grows in sprays. (President Roosevelt's favorite variety.) 10c each.  
 Casco—Early, incurved, garnet flower. 10c each.



**Ed Anguier**—Early, narrow twisted petals often forming a worlded ball. 10c each.

**G. W. Childs**—Mid season, fine red and gold full flower. 10c each.

**Fishers Torch**—Late, beautiful bright red, loose petals. 15c each.

**Miss Alice Broome**—Early, crimson, under side of petals gold. 10c each.

**Mrs. Wheeler**—Early, large incurving red flower, inside petals gold. 10c each.

**M. B. Giroud**—Very early, red full flower, narrow petals. 10c each.

**Nyanza**—Midseason, grandest of all the incurving red and gold flowers. 20c each.

#### COLEUS.

All Coleus, 10c each, or 80c per dozen.

**Atoine**—Leaves green, purple, white and crimson.

**Bicolor**—Carmine edge with chocolate red.

**Corsair**—Speckled green, red, pink and brown.

**Crystal**—Green foliage, mottled pink, red and black.

**Dawn**—Red leaf bordered yellow.

**Bronze Queen**—Bronzy red with broad yellow edge.

**Hiawatha**—Bronze and yellow spotted.

**John Goode**—Light yellow foliage, speckled green.

**Louisa Beck**—Red foliage.

**Midnight**—Very dark, serrated foliage.

**Joe Hooker**—Bright red, mottled with black.

**Henry A. Deer**—Red, black, green and bronzy, dwarf grower, very fine.

**Black Butterfly**—Most beautiful.

**Beckwith's Gem**—Crimson, scarlet, margined with green and yellow.

**Autumn**—Yellow, red and green.

**Brilliancy**—Red, brown and green. Large foliage, lovely.

**Fire King**—Red, black veins.

**Harry**—Dark leaves with maroon red center.

**Mrs. Beck**—Yellow, green and red. One of the finest.

**Klondike**—Green, red, pink, brown and yellow.

**Minnie Goode**—Creamy white, speckled red, green and brown.

**Sunset**—Large leaves, terre cotta red and yellow, fine.

#### VELVET PLANT.

A lovely plant, with a heavy velvety down its foliage appearing like purple velvet as the light shades on the foliage. A strong plant. Fine for bedding. 10c each.

#### CYPERUS ALTERNIFOLIA.

**Umbrella Plant**—A very ornamental, tropical plant, of the easiest culture, either in pots or aquariums. 15c and 25c each.

#### FARFUGIUM.

Round, thick, leathery dark green leaves spotted yellow, 25c each.

#### FEVERFEW.

Splendid bedding plant, giving a profusion of small white, perfectly double flowers the summer through. Fine for cemeteries. 10c each.

#### HELIOTROPES.

**White Lady**—Pure White, very sweet. 10c each.

**Bruant**—Purple, large truss. 10c each.

**Jersey Blue**—Blue, white eye. 10c each.

**Garfield**—Light purple, one of the best. 10c each.

#### EUCHARIAS AMAZONICA.

**Amazon Lily**—Large deep green leaves on short stems, the loveliest pendant, fragrant flowers. Small bulbs, 15c each; blooming bulbs 50c each.

#### AMARYLLIS.

**Jonsonii**—Flowers large brilliant red on strong flower stems blooming bulbs 50c each.

#### FUCHSIA SINGLE.

**Arabella**—White tube and sepals, corolla rose. 10c each.

**Black Prince**—Carmine tube and sepals, one of the best single fuchsias. 10c each.



**Chas. Blanc**—The tube and sepals red, corolla purple, strong grower, 10c each.

**Charming**—Crimson tube and sepals, dark corolla, very fine. 10c each.

**Lustre**—Tube and sepals white, corolla pink. 10c each.

**Speciosa**—Flowers orange carmine. One of the best bloomers, strong grower. 10c each.

#### FUCHSIA DOUBLE.

**Elm City**—Crimson tube and sepals, corolla purple, large flower. 15c each.

**Enfant Prodigue**—Flowers large, scarlet tube and sepals, corolla blue. 15c each.

**White Giant**—Tube and sepals red, corolla white, large flower. 15c each.



#### GERANIUMS—Variegated.

**CLOTH OF GOLD**—Foliage yellow with dark green center. 10c each.

**HAPPY THOUGHT**—Dark green foliage, creamy white center. 10c each.

**PRINCE BISMARCK**—Yellowish foliage, deep bronze zone, pink flowers. 10c each.

**MT. OF SNOW**—Deep green center, broad white margin. 10c each.

**SALEROI**—Green center, white margin, bushy grower. Never blooms. 10c each.

#### GERANIUMS—Fragrant.

**BALM**—Very large leaves, strong growers. 10c each.

**DR. LIVINGSTON**—Finely cut foliage, very fragrant. 10c each.

**Mrs. Taylor**—Deeply serrated leaves, scarlet flowers with spots. 10c each.

**Nutmeg Scented**—Small round leaves. 10c each.

**Rose**—Two varieties, fine and coarse leaves. 10c each.

#### GERANIUM IVIES.

**Anna Phitzer**—Large semi-double flowers, pink. 10c each.

**Chas. Turner**—Deep pink, very large flowers, strong growers. 15c each.

**Galilee**—Rosy pink, large trusses. 10c each.

**Garden's Glory**—Finest of all the bright scarlets, full flower, free grower, 10c each.

**H. Choisues**—Salmon pink, large. 10c each.

**Jean d'Arc**—Double white, sometimes tinted pink, fine. 10c each.

#### GERANIUMS SINGLE.

**Beauty of Richmond**—Scarlet with white blotches on upper petals. Very beautiful. 25c each. (New.)

**Ben Schroder**—Flowers extremely large of soft rosy pink color with distinct white blotch on the upper petals. Very lovely. 15c each.

**Francoi Aroga**—Dark salmon, large trusses. 10c each.

**Apple Blossom**—White, red eye. 15c each.

**Athlete**—Velvety red, very large florets, good trusses, on long stems. 15c each.

**Coquette**—Light pink, very pretty. 10c each.

**Black Prince**—Very dark velvety scarlet, large florets. 10c each.

**Glen Miller**—Deep red, fine. 10c each.

**Gettysburg**—Bright, maroon crimson, large flower, very fine. 15c each.

**John Salter**—White, large salmon eye. 10c each.

**Cosmos**—Deep orange salmon, 10c each.

**La Tarasque**—Bright salmon, very large florets and trusses, Bruant type. 15c each.

**Ralph**—Maroon red free bloomer. 10c each.

**Kate Patterson**—Dark salmon. 10c each.

**John M. Clay**—Dazzling scarlet, white eyes. 10c each.

**Mad Bruant**—White veined with carmine. 20c.

**Mme. Cibiel**—Very large flowers, center bright pink, white eye, large white border, beautiful. 15c each. (New.)

#### GERANIUMS DOUBLE.

**Asa Gray**—Salmon pink, free bloomer. 10c each.

**Contrast**—Lovely magenta. 10c each.

**Crimson Velvet**—Truly named, lovely. 10c each.

**Dr. Phinney**—Intense deep scarlet. 10c each.

**Earnest Lauth**—Purplish crimson, fine. 10c each.

**James Vick**—Flesh, shaded to orange salmon, one of the finest of its shade. 10c each.

**Golden Dawn**—Golden salmon. 10c each.

**Glorie de France**—Dark salmon center, edged with white, large florets, very fine. 15c each.

**Heteranth**—Vermillion red, very large trusses, strong grower, one of the best red. 10c each.

**Mary Hill**—Beautiful pink, large truss. 15c each.

**La Favorite**—Extra fine, large pure white. 10c each.

**La Pilot**—Glowing crimson scarlet, free bloomer, large. 10c each.

**Mons Lawagia**—Orange scarlet, free bloomer. 10c each.

**Mad Baume**—Rosy pink, very fine. 10c each.

**Ruy Blase**—White, red center, large florets, a lovely flower. 15c each.

**S. A. Nutt**—Dark Crimson, a lovely velvet flower, profuse bloomer. 10c each.

**Sir Lawrence**—Pink, salmon shaded. 10c each.

**B. Duranteau**—Deep purple and crimson; large flower, good trusses. 10c each  
**Peter Crozy**—Bright scarlet, very large flower, strong grower, a cross between Ivy and a bush geranium. 15c each.

**Princess Anhalt**—White. 10c each.

**Alf Tennyson**—Rosy scarlet. 10c each.



**Beaute Poitevine**—Semi-double, a brilliant salmon, very bright at the border, very fine. 15c each.

**Double Guinea**—Very bright orange scarlet. 10c each.

**Fullerton**—Crimson, darker than E. Lauth. 10c each.

**Doc. de Montomort**—Very dark magenta, large flower. 15c (New.)

**W. Pfitzen**—Salmon edges, margin white, fine. 10c each.

**R. R. Goslin**—Red center margined with white, lovely. 10c each.

**ASPARAGUS PLUMOSA.**

A beautiful bright green, graceful arched foliage, surpassing maiden hair ferns in grace, 30c each.

**ASPARAGUS SPRENGERII.**

Graceful, decorative plant for hanging baskets, fronds from four to five, easy culture, 25c each.

**ERANTHEMUM SANGUINEA.**

**Eranthemum Sarginea**—A decorative plant, with large thick leathery leaves of lustrous brown color. 15c each.

**HOYA CARNOSA, or Wax Plant.**

A lovely vining plant with thick dark green glossy leaves producing the most lovely sweet scented flowers, looking as if they were made of wax, blooms profusely through the warm weather: 15c each

**IMPATIENCE—Sultana.**

Most profuse blooming plants rarely without flowers. A splendid plant for the home. Two varieties, red and pink. 10c each. White 20c each.

**IVIES.**

**English Ivy**—Heart shaped leaves, deep green. 10c each.

**Glecoma Hederaca**—Variegated foilage, sweet scented, makes fine hanging baskets. 10c each.

**Kenilworth Ivy**—Nothing better for hanging baskets and rockeries. 10c each.

**Parlor Ivy**—A very rapid climbing vine. 10c each.

**Othonu**—For hanging baskets, small rosettes. 10c each.

**Lantanas**—There are but few plants that will give better satisfaction, especially when bedded out; a constant bloomer. Four varieties, white, pink, orange, yellow. 10c each.

**Oleanders**—Double pink and double white flowered, 20c each.

**OXALIS.**

**Bulbs**—Ready from June to December. Single Yellow, Double Yellow, Large Rose, Bermuda. 5c each. 9 for 25c.

**Ortegis**—(or tree)—A very pretty plant, dark bronze foliage, yellow flower. 10c each.

**Tuberous Rooted**—White and Pink flowered, profuse bloomers. 10c each.

**Pansies**—Our plants are from the choicest seed. Strong plants in the spring. 60c per dozen.

**PELARGONIUMS.**

**Lady Washington Geraniums**—Nothing is more attractive than these plants when in flower, they are so rich in colors.



**Mabel**—Large flowers, composed of red and black, splashed with white. 25c each.

**Mary Queen of Scotts**—White, tinted with lavender, maroon pencilings. 20c each.

**Lord Salisbury**—Red, blotched with white and crimson. 20c each.

**M. M. Vibert**—Ground color of flower, rose. 25c each.

**Mad Sandiford**—Very large semi-double white flowers. 25c each.

**Sunray**—Lovely pink, with black spots; large flowers and truss. 20c each.

**PRIMROSES—Chinenses.**

One of the very best plants for house culture, giving an abundance of flowers from November until July, if properly cared for, like plenty of light, but not

much sun, plants ready from September to May 25c each.

Petunias—Double white. 10c each.

#### DAISIES.

Margurite—Fine cut foliage, white flowers. 10c each.

California—Or Giant, strong grower, large flowers. 10c each.

### TEA ROSES--The Queen of Flowers.



Yellow Flowered—Large flower, fine. 10c each.

American Beauty—Very dark pink, extremely fragrant large rose, hardy. 20c each.

Antoni Verdier—Dark pink, hardy. 10c each.

Clothilda Soupert—Lovely blush, one of the very best bloomers, and perfectly double roses, hardy. 10c each.

La Barthe—Rose shaded salmon, very sweet and free bloomer. 10c each.

La France—Silvery pink, fine bud, and large double hardy. 10c each.

Isabella Sprunt—Canary yellow, long pointed bud, hardy. 10c each.

Meteor—Velvety red, the best red rose, hardy. 10c each.

Maman Cochet—Salmon pink, splendid in bud or flower, a strong grower, hardy. 10c each.

Mme Joe Schwartz—Creamy white, shaded pink, one of the freest bloomers, very sweet, hardy. 10c each.

K. A. Victoria—Pure white, very large bud. 10c each.

Perle des Jardens—Largest yellow, fine bud. 10c each.

Safrano—Large saffron bud, hardy. 10c each.

hardy. 10c each.

White Cochet—Fine in bud or open rose, strong grower, free bloomer;

Hermosa—One of the best pink bedders, free bloomer. 10c each.

Elcile de Lyon—Finest yellow rose, hardy. 10c each.

Bridesmaid—One of the finest pink roses. 10c each.

Helen Goud (or Baldwin)—Bright glowing carmine, long bud, fine bedder, hardy. 25c each.

Princess Bonnie—One of the freest bloomers, very fragrant, a pretty red rose, hardy. 10c each.

Helen Cambier—One of the very best yellow roses. 10c each.

Fall prices larger plants, 25c to 40c each. Hardy means that they will live out doors through the winter, if mulched with straw or hay.

#### HYBRID PERPETUAL ROSES.

The following are selected, as the best for this western climate, also for their fine flowers and constant blooms.

Anna D. Deisbach—Shell pink, very large bud and flower, a most superb rose. 20c each.

C oquette des Blancbes—Pure white, free bloomer, from June till frost. 15c each.

Capt. Christy—Very large white with blush center; a lovely rose, very free flower. 20c each.

Dinsmore—Bright red, extra fine, free bloomer, dwarf grower. 20c each.

Gen. Jacqueminot—Crimson, everybody's rose. 15c each.

Giant des Battles—Dark red, very fine. 15c each.

Magua Charta—Perfectly double full pink, fine. 15c each.

Prince Camill Rhohan—Dark velvety red, shaded to dark crimson, magnificent. 20c each.

Jubilee—Pure red, shading to crimson, a vigorous grower and free bloomer. A fine rose. 20c each.

Francoy Levet—A soft china pink, finely formed buds and flowers. 15c each.

Fall prices larger plants, 30c to 40c each.

## CLIMBING ROSES.

- Baltimore Belle**—Blush, flowers in clusters, strong grower. 15c each.  
**Prairie Queen**—Pink cupped, large flower, strong grower, good bloomer. 15c each.  
**Seven Sisters**—Blush pink, good grower, bloom in clusters. 15c each.  
**Dundee Rambler**—Scotch climbing rose, rich red roses of the largest size, perfectly hardy. 15c each.  
**Crimson Rambler**—Large clusters of crimson flowers in great profusion, a strong grower. Spring plants from 10c to 25c, according to size.

## TRAILING ROSES.

- Manda's Triumph**—Large trusses, double white flowers in profusion. 10c each.  
**Universal Favorite**—Double pink flowers two inches in diameter. 10c each.  
**Wichuriana**—Creeping or running rose, splendid for cemetery planting, has dark green glossy foliage, pure white flowers, perfectly hardy. 10c each.  
 Fall prices for the above, 25c to 30c each.

## SMILAX.

- A lovely rapid growing deep green vine. 10c each.

## SWORD FERN.

- Bulbosa**—One of the best for hanging baskets, fronds (or leaves) 2½ to 3 feet long. 15c each.  
**Exaltata**—One of the boldest upright growing ferns, dark green fronds 4 to 6 feet long, quite wide. 30c each.  
**Boston**—Very fine arching fronds 5 to 7 feet long, 4 to 6 inches wide, of a dark green, the most popular fern. 30c each.  
**Phillipinenses**—Or Phillipine Island Fern, fronds long, narrow and dark green with a black mid rib. 20c each.

## VIOLETS.

- Louisa**—Double blue, very sweet. 10c each.

## PERRYWINCLE VINE.

- Perrywinkle Vine**—One of the best bracket vines, a rapid growing trailor. Leaves dark green, mottled with yellow. 15c each.

## HARDY FLOWERING SHRUBS.

- Altheas**—(Or Rosa of Sharon)—Double white, maroon center flowered, 25c each. Double Rose flowered, 25c each. Double Pure White flowered, 30c each. Single White flowered, 25c each.  
**Bridal Wreath**—Small foliage, produces an abundance of small double white flowers early in the spring. 15c each.  
**Deutzia Crenatii**—Of upright growth, producing spikes of double white flowers, in great profusion in last of May and June, flowers fine for vases 20c each.  
**African Tamerix**—A strong growing very ornamental tree with very fine fern-like foliage. Tree entirely covered with mossy pink flowers in April. 25c each.  
**Fringe**—(Or Smoke Tree)—A strong grower, small leaves, in April and May produces large trusses of fine lace like blooms, that gives the tree a smoke like appearance. 25c each.  
**Spirea Van Hontii**—Most graceful drooping, strong. 25c each.  
**Spirea**—(Lanceolata)—Long pointed narrow leaves, large trusses of pink flowers in July. 15c each.  
**Syringa**—(Or Mock Orange)—blossoms in April and May. 25c each.  
**Tree Huckleberry**—Produces fruit when two years old. Strong one year plants 10c each; \$1.00 per dozen.

## HARDY VINES AND ROOTS.

- Clematis**—(Flamula)—a most rapid grower. 20c each.  
**Chinese Matrimony Vine**—For trellises. 20c each.  
**Honeysuckle**—(Hall Halianna) white flower turning to yellow, very fragrant. 10c each.  
**Allegheny Vine**—Similar to Maderia Hair Fern. 10c each.  
**Cinnamon Vine**—Large heart-shaped leaves. 10c each.  
**Trumpet Vine**—(Bignonia)—A rapid grower, that clings to wood, stone, or

brick-work, large trumpet flowers in profusion, heavy green serrated foliage. 15c each.

**Wisteria**—The vine for everyone, grows enywhere, splendid for trellises and porches, producing large clusters of light blue flowers in great profusion. 15c each.

**Iris**—A splendid early flowering plant, abundance of showy flowers in April and May. We have three varieties; pale blue, dark yellow, large cream. 10c each.

**Live For Ever**—Gives heavys stock with thick succulant leaves large crowns of beautiful star-shaped pink flowers in September. 10c each.

**Oxeyed Daisy**—Large daisy like flowers. 10c.

**Plumbago**—A choice plant for edging of beds or walls. 10c each.

**Myrtle**—Glossy leaf, ever-green, fine for cemeteries. 10c each.

**Moneywort**—A rapid, low, running vine, likes partial shade, will soon cover the ground. 10c each.

#### PEONIES.

A very showy plant, and when in bloom is a sight worth seeing with their large showy flowers. We offer the following colors: White, pink, maroon, blush. Blooming roots in the early spring. 25c each.

**Hardy Garden Pinks**—Ten cents each.

**Gillardia**—Bushy plants, producing gorgeous flowers. 10c each.

#### SUMMER BLOOMING BULBS.

**Dahlias**—Very showy plants—we offer good roots with the growing eye in the following colors: White, red, maroon, yellow, variegated. 20c each.

**Gladiolus**—Splendid bulbs for summer blooming, producing large spikes of beautiful flowers; all colors. 5c each, 60c dozen.

**Tube Roses**—(Pearl)—The best double, large blooming bulbs. 10c each; 80c per dozen.

**Maderia Roots**—Make a rapid growing vine. 5c each; 50c per dozen.

**Caladium**—(Or Elephant Ear)—Producing very large leaves, light green shading to dark green. 20c each.

#### WINTER FLOWERING BULBS.

**Alliums**—Produces heads of white flowers, fine for cutting. 25c per dozen.

**Candidum**—(or St. Joseph Lily)—Perfectly hardy, blooms in June, large white flowers, very fragrant, 10 to 12 flowers on the spike. 25c each.

**Freezia**—Small pointed bulbs, producing long, grass-like foliage, and wiry spikes, of lovely, bell shaped, white flowers, extremely fragrant. 30c per doz.

**Harissii**—(or Easter Lily)—One of the very choice lilies for house culture good flowering bulbs, in the early fall. 25c each.

**Hyacinths**—There are few bulbs that give as good satisfaction as the Hyacinths, their flowers are so fragrant and beautiful. Single, all colors. Double, all colors, choicest imported, ready Oct. and Nov. 10c each.

**Narcissus**—One of the most satisfactory bulbs grown, flowers have a peculiar sweet scent, and hold for a long time. We have them in white and yellow flowers, single and double. 10c each. Ready September, October, November.

**Tulips**—Separate and mixed colors, choice bulbs ready September, October and November. 50c dozen.

Bulbs for garden bedding, such as Hyacinths, Tulips, Johnquills, and Narcissus are ready from April to November. 50c per dozen.

All the above Bulbs must be ordered in the fall except where noted.

Any plant desired, not in this catalogue, write us about it, before sending elsewhere. We carry the largest varieties of plants in Kansas.

All other Hardy Shrubs, Vines, and Plants, two years old and over, prices given on application. Also Palms and Tropical Plants.



# USEFUL TABLES.

## Quantity of Seeds Usually sown Upon an Acre.

Barley, broadcast, 2 to 3 bu	Grass, Ky blue..... 2 bu	Peas, broadcast..... 3 bu
Beans, dwarf in hills, 1½ bu	Grass, Orchard..... 2 bu	Potatoes, (cut tubers) 15 bu
Beans, pole in hills 10 to 12 qt	Grass, Red Top..... 2 bu	Pumpkins, in hills..... 1 bu
Beets, in drill..... 5 to 6 lb	Grass, Timothy..... ¼ bu	Radish, in drills..... 8 to 10 lbs
Broom Corn, hills..... 8 to 10 qt	Grass, Hungarian..... 1 bu	Rye, broadcast..... 1½ to 2 bu
Buckwheat..... ½ bu	Grass, Mixed lawn..... 3 bu	Salsify, in drills..... 8 lbs
Cabbage, to transplant..... ¼ lb	Hemp, Mixed..... 1½ bu	pinach, in drills..... 10 to 12 lbs
Carrots, in drills..... 3 to 5 lbs	Melon, Musk hills..... 2 to 3 lbs	Squash (bush varieties)
Chinese Sugar Cane..... 12 qts	Melon, Water, hills..... 4 to 5 lbs	in hills..... 3 to 4 lbs
Clover, Red, alone 15 to 20 lbs	Millet, broadcast..... 1 bu	Squash (running varieties),
Clover, White, " 12 to 15 lbs	Oats, broadcast..... 2 bu	in hills..... 4 to 6 lbs
Clover, Alsike " 8 to 10 lbs	Onion, in drill..... 4 to 5 bu	Tomato, to transplant ¼ lb
" Lucerne or Alfalfa 20 lbs	Onion for sets in drill..... 25 lbs	Turnip in drills..... 1½ to 2 lbs
Corn, in hills..... 8 to 10 qts	Onion sets in drill..... 6 to 12 lbs	Turnip, broadcast..... 1 lb
Cucumbers, in hills..... 2 lbs	Parsnip, in drills..... 4 to 6 lbs	Timothy, alone..... 15 lbs
Flax, broadcast..... ½ lb	Peas, in drill..... 1½ bu	Wheat, broadcast, 1½ to 2 bu

## Quantity of Seeds Required for a Given Number of Plants, Number of Hills, or Length of Drills.

Asparagus..... 1 oz to 60 ft	Melon, Musk, .. 1 oz to 60 hills	Squash, early..... 1 oz to 50 hills
Beet..... 1 oz to 100 ft	Okra..... 1 oz to 40 ft	Squash, marrow 1 oz to 16 hills
Beans, dwarf, .. 1 qt to 100 ft	Onion..... 1 oz to 100 ft	Turnips..... 1 oz to 150 ft
Beans, pole, .. 1 qt to 150 hills	Onion sets, small, 1 oz to 70 ft	Cabbage..... 1 oz to 2000 plants
Carrot..... 1 oz to 150 ft	Parsley..... 1 oz to 150 ft	Cauliflower 1 oz to 2000 plants
Cucumber..... 1 oz to 50 hills	Parsnip..... 1 oz to 200 ft	celery..... 1 oz to 3000 plants
Corn..... 1 qt to 200 hills	Pear..... 1 oz to 100 ft	Egg Plant..... 1 oz to 1000 plants
Dandelion..... 1 oz to 100 ft	Pumpkin..... 1 oz to 40 ft	Lettuce..... 1 oz to 3000 plants
Endive..... 1 oz to 150 ft	Radish..... 1 oz to 100 ft	Pepper..... 1 oz to 1500 plants
Leek..... 1 oz to 100 ft	Salsify..... 1 oz to 70 ft	Tomato..... 1 oz to 1500 plants
Melon, Water..... 1 oz to 30 hills	Spinach..... 1 oz to 100 ft	

## The Number of Trees, Plants, Etc., Required to Set an Acre

DISTANCE.	NO.	DISTANCE.	NO.	DISTANCE.	NO.
3 ft by 1 ft.....	43,760	3 ft by 3 ft.....	4,840	15 ft by 15 ft.....	197
1½ ft by 1½ ft.....	19,360	4 ft by 4 ft.....	4,722	18 ft by 18 ft.....	137
2 ft by 2 ft.....	10,890	5 ft by 5 ft.....	1,752	20 ft by 20 ft.....	105
2½ ft by 2½ ft.....	6,970	6 ft by 6 ft.....	1,210	25 ft by 25 ft.....	77
3 ft by 1 ft.....	14,520	9 ft by 9 ft.....	537	30 ft by 30 ft.....	40
3 ft by 2 ft.....	7,290	12 ft by 12 ft.....	302	50 ft by 40 ft.....	20

## Weight of Various Articles in the State of Kansas.

LBS. PER BU.	LBS. PER BU.	LBS. PER BU.
Barley..... 48	Hemp Seed..... 44	Peas..... 60
Beans..... 60	Hungarian Grass Seed..... 48	Potatoes, Irish..... 60
Buckwheat..... 50	Millet..... 50	Red Top Seed..... 14
Broom Corn..... 46	German Millet..... 50	Rye..... 56
Blue Grass..... 14	Castor Beans..... 46	Sweet Potatoes..... 50
Clover Seed..... 60	Oats..... 32	Timothy Seed..... 45
Corn, shelled..... 56	Onions..... 56	Top Onion Sets..... 28
Corn, on Ear..... 70	Osage Orange..... 33	Turnips..... 55
Flax Seed..... 56	Orchard Grass..... 14	Wheat..... 60
Cane Seed..... 56	Kaffir Corn..... 56	Bottom Onion Sets..... 32

## Number of Tree Seeds to the Pound.

ABOUT.	ABOUT.	ABOUT.
Alder..... 100,000	Box Elder..... 15,000	Osage Orange..... 10,000
American White A-h..... 10,000	Catalpa Speciosa..... 20,000	Paw Paw..... 400
Apple..... 12,000	Cherry Pits..... 1,000	Peach..... 200
Arbor Vitæ Amer..... 309,000	Catalpa Teas, Japan..... 70,000	Pear..... 15,000
Australian Pine..... 25,000	Hemlock Spruce..... 100,000	Quince..... 15,000
Ailanthus..... 20,000	Hickory nuts..... 50	Red Cedar..... 8,000
Balsam Fir..... 80,000	Honey Locust..... 2,500	Scotch Fir..... 70,000
Black Cherry..... 4,000	Kentucky Coffee..... 200	Soft Maple..... 2,000
Barberry..... 8,000	Mulberries, all kinds..... 200,000	Sycamore Maple..... 6,000
Black or Yellow Locust..... 30,000	Norway Spruce..... 70,000	Walnut..... 20

# E. ANNABIL & Co.

McPHERSON, KANSAS



1903

*Seed Annual*