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COX'S

Seed Annual.

1886







# CALIFORNIA NATIVE FLOWERS, ETC.

**Sarcodes sanguinea.** The famous Snow Plant; rarely ripens its seeds; a most interesting and gorgeous flower of a rich scarlet. Price per pkt., 25 cts.

**Silene Douglassii.** An Alpine Catchfly, producing a great number of creamy white nodding flowers. Price per pkt., 25 cts.

**Penstemon Menziesii.** A perennial herbaceous plant, with large, rose-colored flowers, very hardy and showy. Price per pkt., 25 cts.

**Mimulus Lewisii.** A pink-colored monkey-flower, growing two feet high, very floriferous. Price per pkt., 25 cts.

**Penstemon spectabilis.** A plant of a highly ornamental character with abundance of purple flowers. Price per pkt., 25 cts.

**Bryanthus Brewerii.** The handsomest species of this genus. Flowers are saucer-shaped, and of a rosy purple color. Price per pkt., 25 cts.

**Gentiana calycosa.** A hardy variety. Handsome blue flower over an inch long. Price per pkt., 25 cts.

**Senecio Palmeri.** A shrubby plant; hardy; very showy. Price per pkt., 25 cts.

**Phacelia Parryi.** A truly magnificent new annual of branching habit, and 1 to 1½ feet in height; flowers round, ¾ inch in diameter, of a lovely purplish violet color, with five pure white spots at their base. Price per pkt., 25 cts.

**Heteromeles arbutifolia.** A shrub or small tree flowering in June and July, and maturing its fruit in December. A very ornamental plant, owing to the contrast between its abundant, bright red berries and its dark, glossy foliage. Price per pkt., 25 cts.

**Romneya Coulteri.** A very desirable plant; grows three feet high; it produces large, beautiful, white flowers, nearly six inches in diameter. One of the most rare and beautiful of our California flowers. 50 cts. per pkt.

## CALIFORNIA PALMS.

**Brahea Filamentosa** (*Washingtonia filifera*)—California Fan Palm. A native of the Southern part of this State, of erect, rapid growth, having large, fan-shaped leaves, of a light green color with numerous long hair-like filaments attached. Price, per pkt., 25 cents.

**Brahea Edulis.** An elegant hardy Palm of recent introduction. Native of the Guadalupe Island, rapid grower, very ornamental. Price, per pkt., 25 cts.

## Novelties and Choice Strains of Florists' Flowers.

**Calceolaria Benarys**, new, striped; sold in original pkts.; extract from the introducer. From the isolated striped flowers, which made their first appearance some years ago among my collections of Calceolarias, I have, by dint of patient selection, at last succeeded in so far developing this type, and rendering possible its perpetuation from seed, that about one third will now

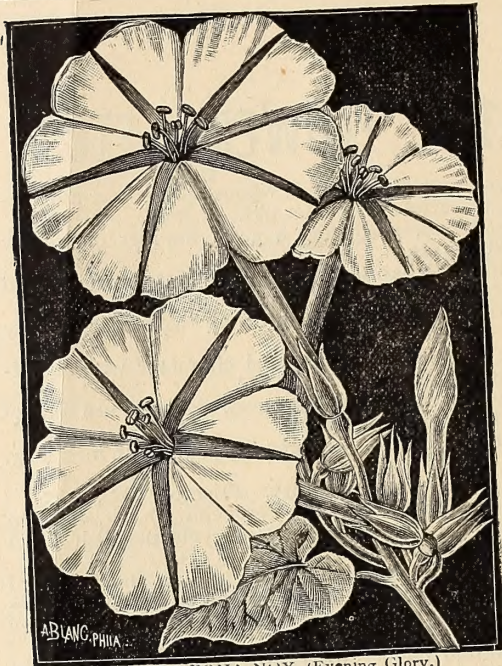
be found having striped flowers. The markings of the flowers of the new Striped Calceolarias may be best compared to those of the Bizarre Carnations. They offer a pleasing and interesting deviation from those at present grown. It is worthy of remark that in plants of the true type both the flower-buds and the seed-pods are striped. Price, per pkt., 50 cts.

**Papaver Umbrosa.** The most magnificent of all the Poppy family. Plant dwarf and compact. Flowers form in great number on long wiry stems, and present a most graceful and beautiful appearance. Its color is like that of *Clianthus Dampieri*, intense fiery scarlet, with a black centre. Sow seed in open ground first of May, and they will bloom first of July, presenting a display which, for brilliancy, cannot be surpassed. Price, per pkt., 15 cts.



PAPAVER UMBROSA.





IPOMOEA BONA NOX (Evening Glory.)

**Ipomoea Bona Nox** (Evening Glory). — A very ornamental climber, and exceedingly beautiful for conservatory or garden decoration, large fragrant flowers, which expand in the evening; grows to a height of ten feet. Price, per pkt., 10 cts.

**Eschscholtzia, alba flore pleno**  
A lovely new variety, of beautiful dense habit of growth, covered with fine, double, white flowers; very fine hardy annual. Price, per pkt., 15 cts.

**Eschscholtzia, Rose Cardinal.**  
Quite a distinct novelty of great beauty. The flowers of Rose Cardinal are of a rich rose colored hue, most effective and beautiful. Price, per pkt., 10 cts.

**Gaillardia, Picta Lorenziana, Double Mixed.** One of the most striking and valuable annuals recently introduced for decorative purposes as well as for bouquets; it is invaluable, its gay-colored double flowers being abundantly produced from July till frost. Price, 10 cts.

**Hollyhock, Chater's Finest Mixed.**—Twelve double varieties of the greatest perfection mixed. Price, per pkt., 25 cts.

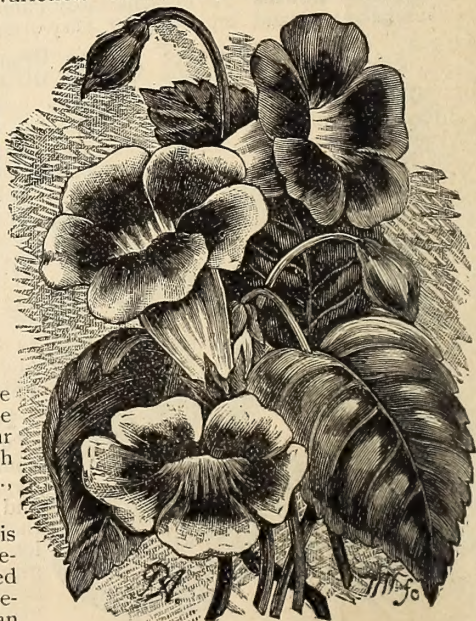
**Gloxinia.** The seed of this magnificent plant is the produce from a prize collection, embracing the most brilliant and varied colors, in rich crimson, porcelain, purple, and lavender-blue, rose and violet belted flowers, comprised both in the erect and drooping varieties. Price, per pkt., 50 cts.



PAPAVER MEPHISTO.

**Papaver Mephisto.** A new single Poppy, lately introduced. The flowers are of a fiery dark scarlet, each of the four petals being marked with a large blackish violet spot. Very effective. Price, per pkt., 15 cts.

**Lavatera, Arborea Variegata.**—This very distinct and beautifully variegated species has been most favorably commented upon by the horticultural press. The variegation of its large leaves consists of an irregular mixture of very dark green, pale



GLOXINIA.

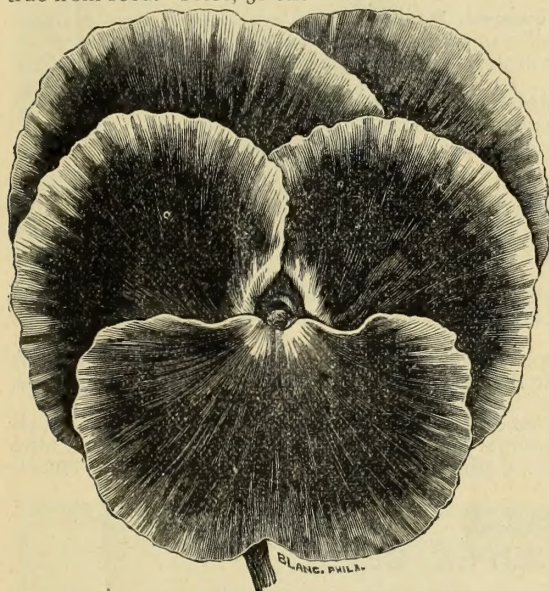


greenish grey, and the purest white, and is so pronounced as to impart to the whole plant a most remarkable and showy appearance. For large beds and groups or interspersed among other plants, as well as for the decoration of the conservatory, it will be found invaluable. It has stood the winter in the open ground uninjured. Price, per pkt., 25 cts.

## PETUNIAS.

**Petunia, Double.** Finest varieties, carefully fecundated with best double flowers. Sure to produce a good percentage of double flowering plants. Price, per pkt., 50 cts.

**Petunias, Double Fringed.** Many colors; beautifully fringed; a good percentage double. These Petunias constitute a class of rare beauty and have been found to come true from seed. Price, 50 cts.



GIANT TRIMARDEAU.

flowers are in part spotted, in part striped, and also self-colored. The double Lilliput Petunias are adapted for the embellishment of the garden in a variety of ways. Price, per pkt., 50 cts.

## PANSY.

**Cox's Prize Strain.** This seed has been saved from one of the finest collection of exhibition flowers, and includes all the newest blotched, flamed and fancy varieties. Price, per pkt., 50 cts.

**Giant Trimardeau.** The flowers of this variety are immense in size, from three to four inches in diameter, of exquisite colors, shades and markings. An entirely new variety. Never before offered in this country. The largest Pansies known, Price, per pkt., 50 cts.

**Petunia, Double Lilliput (Benary).**—(*Petunia nana compacta multiflora flore pleno.*)—These new double varieties of the much admired *Petunia nana compacta* form, like the latter, quite dwarf and dense bushes upon which are borne very numerous and exceedingly pretty double flowers of the most charming shapes of color; the

## PICOTEES.

**White Ground.** Saved from prize flowers. Price, per pkt., 50 cts.

**Yellow Ground.** Saved from prize flowers. Price, per pkt., 50 cts.

**Silene Pendula Compacta.** A compact-growing form of the well-known *Silene Pendula*; the flowers are of the same size and color as the type, but the plant is so dwarf and compact that it forms dense cushions two or three inches in height, and from nine to twelve inches in diameter, and during the season is perfectly solid with bloom. Price, per pkt., 10 cts.

## COLLECTIONS.

French, German, and English.

**Asters, Dwarf Chrysanthemum.** A very desirable class, one foot in height; blossoms late in fall; valuable on this account as well as for their great beauty. Collection of ten separate, distinct colors. Price, 80 cts. Large packet, all colors mixed, 25 cts.

**Asters, Dwarf Pyramidal.** So profuse in bloom that the foliage is hidden with flowers. Collection of six separate, distinct colors. Price, 50 cts. Large packet, all colors mixed, 25 cts.

**Asters, Tall Chrysanthemum.** The flowers of this variety are very large and double, of fine shape. Collection of four distinct, separate colors. Price, 50 cts. Large packet, all colors mixed, 25 cts.

**Asters, Imbricated Pompon.** Exquisitely formed flowers, so double that they appear to be a round ball. Collection of ten separate, distinct colors. Price, 80 cts. Large packet, all colors mixed, 25 cts.



**Asters, Crown, or Cocardean.** A very handsome variety. The centres of the different colored flowers are white. Collection of eight separate, distinct colors. Price, 75 cts. Large packet, all colors mixed, 25 cts.

**Asters, Paeony-flowered Globe.** Flowers large and double, the petals beautifully curved; one of the best in every respect. Collection of six separate, distinct colors. Price, 50 cts. Large packet, all colors mixed, 25 cts.

**Asters, Lilliput-flowered.** A beautiful variety; the plants are covered with small flowers; fine for bouquets. Collection of five separate, distinct colors. Price, 60 cts. Large packet, all colors mixed, 25 cts.

**Astors, Victoria.** Flowers very large; habit pyramidal; one of the finest; flowers freely. Collection of ten separate, distinct colors. Price, \$1.00. Large packet, all colors, 25 cts.

**Asters, Truffaut's Paeony-flowered, Perfection.** Very large flowers, brilliant in colors and unsurpassed in habit of plant. One and a half feet high. One of the best sorts. Collection of eight separate, distinct colors. Price, 75 cts. Large packet, all colors mixed, 25 cts.

**Balsams, double dwarf camelia-flowered.** Collection of eight separate, distinct varieties. Price, 60 cts. Large packet, all colors mixed, 25 cts.

**Balsams, double rose-flowered.** Collection of eight separate, distinct colors. Price, 60 cts.

**Centaurea cyanus.** Better known as "Bachelor's Buttons" and "Corn Flower." Exceedingly useful where cut flowers are in demand. Collection of five separate, distinct colors. Price, 30 cts. Large packet, all colors mixed, 25 cts.

**Hollyhock.** Collection of eight separate, distinct colors. Price, 50 cts. Large packet, all colors mixed, 25 cts.

**Stocks.** Double German. One of the most popular of our garden favorites. Unsurpassed for brilliancy of flowers and duration of bloom. Twelve separate colors. Price, \$1.00.

**Wallflower.** Double German. Saved from the finest German collection. The flowers are greatly prized for their delicious fragrance. Collection of eight separate, distinct colors. Price, 75 cts.

**Zinnia, elegans.** Few plants have been improved as much as the Zinnia. Rivals the Dahlia in symmetry and colors; commences in June and continues the entire season. Collection of six separate, distinct colors. Price 50 cts.

## VEGETABLE NOVELTIES.

### ECLIPSE BEET.

This new variety originally came from Germany, promises to be a great acquisition to our list of turnip beets; it is as early as the Egyptian, and much more desirable, owing to its globe shape, great smoothness and regularity, having firm small top, very sweet; flesh fine and dark red color; it is very desirable for market gardeners on account of its extreme earliness, as well as its other numerous good qualities. Price per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.

### COX'S EARLY SPRING CABBAGE.

The early Cabbage of the San Francisco market gardeners—pointed or conical heads; very solid. It is superior to any of the early cabbages of the Eastern markets; sure to head and of the finest quality; weight, 15 to 20 lbs. Our seed for stock cost us \$25.00 per lb. two years ago, as we had a good crop we offer the season of 1886, as follows: Per pkt., 10 cts.; per oz., 50 cts.; per  $\frac{1}{4}$  lb., \$1.50; per lb., \$5.00.

### COX'S SELECTED FLAT DUTCH CABBAGE.

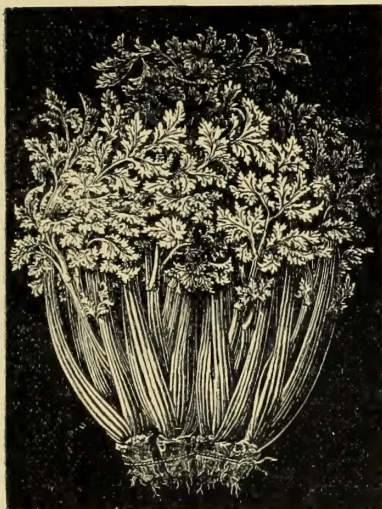
The stock we offer is grown by us for several years; we consider it superior to any other late Cabbage, and is just the variety and quality to suit market gardeners; keeps well and good for shipping. Price, per pkt., 10 cts.; per oz., 50 cts.; per  $\frac{1}{4}$  lb., \$1.25; per lb., \$4.00.

### CARROT.

**New Oxheart Orange.** The great butter and table carrot. Much used in France and other dairy sections for coloring butter as well as for the table. A variety of great merit, recently sent out from France, where carrot growing is carried on probably more extensively than elsewhere in the world. This new carrot comes from France (where it is known as Guérande). It is intermediate as to length between the half long varieties (such as Danvers) and the Short Horn Carrot, but much thicker than the latter, attaining at the top from three to four inches in diameter. It is of fine quality and will prove of value in family and market gardens. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$2.00.



## HENDERSON'S NEW CELERY, White Plume.



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two years ago, when it was offered for general distribution. The Salamander is the best variety for summer use, forming good-sized, compact heads, color light green outside, and white on the inside. Its great merit, however, is that it will withstand drought and heat, and remain longer in head than any other variety; this peculiarity has been fully proven through two unexampled dry seasons. It is very slow to run to seed, and to market gardeners is invaluable on account of its heat resisting qualities. Per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

The introduction of this new and distinct variety bids fair to so simplify the culture of Celery that the most inexperienced can grow it in proper condition for the table with the same facility as they can a Cabbage or Lettuce. The stalk and portions of the inner leaves and heart are naturally white, so that by closing the stalks, either by tying them together or by pressing the soil up against the plant with the hand, and again drawing up the soil with the hoe or plow, so as to keep the soil that has been squeezed against the Celery in place, the work of blanching is completed. The great advantage of this over the slow and troublesome process of blanching required by all other sorts is evident. Its eating qualities are equal to the very best of the older sorts, being crisp, solid, and of a pleasing nutty flavor, while its white feather-like foliage places it ahead of all others as a table ornament. Per pkt., 25 cts.; per oz., \$3.00.

## NEW LETTUCE, Salamander.

The culture of this valuable new sort had been entirely monopolized for several years by the Hudson Co., N. J., Market Gardeners, until



MAMMOTH SQUASH, Chili.



## MAMMOTH SQUASH, Chili.

Although not new, we desire to call the special attention of all who want Mammoth Squashes to this variety. Very large, often attaining weight of two hundred pounds; excellent for stock. Price, per pkt., 10 cts.; per oz., 20 cts.; per  $\frac{1}{4}$  lb., 60 cts.; per lb., \$2.00.

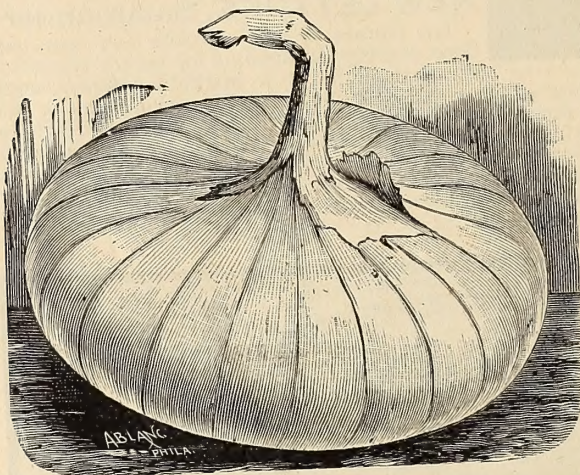
## CAULIFLOWER, Early Snowball.

Very early and reliable in heading. Of dwarf habit and very short outer leaves, allowing it to be planted close together. We can recommend this variety to gardeners, as one of the very best early Cauliflowers. Per pkt., 25 cts.; per  $\frac{1}{2}$  oz., \$2.50; per oz., \$5.00.

## ONION, California Mammoth.

A large, beautiful, yellow-skinned variety of handsome flat-shape, of mild, pleasant flavor, an excellent keeper. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

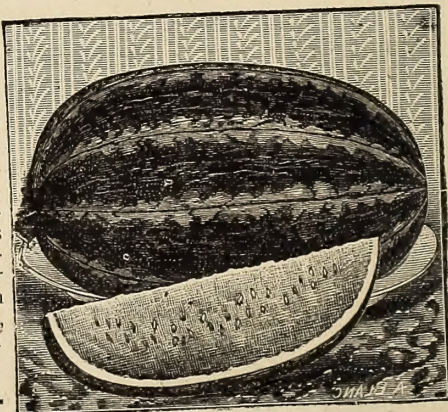
## MAMMOTH SILVER KING ONION.



We have imported seed of this truly mammoth variety direct from the originator in Italy. It was first introduced in America two years ago, and is of attractive shape, as shown in our illustration, with silvery white skin and flesh of a most agreeable mild flavor. It matures a little later than *Extra Early Pearl*, and reaches a larger size than any of the flat white varieties, frequently measuring twenty inches in circumference, and weighing three to four pounds. Price, per lb., \$3.50; per  $\frac{1}{4}$  lb., \$1.00; per oz., 35 cts.; per pkt., 10 cts.

## New Scaly Bark Watermelon.

This new variety originated in Georgia and was first exhibited at the Atlanta Exhibition in 1887. The skin is dark green, quite smooth, and has a peculiar scaly appearance, as shown in cut. It is an unusually productive sort, the average weight of the melons being forty to fifty pounds, although is not unusual for specimens to reach seventy pounds. The flesh is light crimson, *solid tender*, and of exquisite flavor, but its peculiar value lies in the fact, that it remains in choice eating condition, after being pulled, longer than other varieties. The rind, though quite thin, is remarkably tough. Price, per pkt., 10 cts.; per oz., 20 cts.; per  $\frac{1}{4}$  lb., 60 cts.; per lb., \$2.00.



## TOMATO, Early Vacaville.

The early variety, grown for market in the vicinity of Vacaville, Cal. A large, well-formed, smooth Tomato; flesh solid; a good shipper. We unhesitatingly place it in the front rank of early varieties. Price, per pkt., 25 cts.; per oz., 50 cts.; per lb., \$5.00.



## NEW WATERMELON, Pride of Georgia.

This new melon originated in Monroe County, Ga., and was offered last season for the first time. The originator, a well-known seed-grower of Georgia, describes it as follows.

"We consider this melon par excellence; superior to all melons of which we have any knowledge. It is a dark green mottled color, nearly oval, ridged like an orange, grows partly upon its end; is firm, will ship well, and attains a large size. What we claim for this melon especially above all others is, that for crispness, sweetness and flavor, it stands among all the various types of melons as did Saul among the children of Israel—head and shoulders above them."

We purchased direct from the originator. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$2.00.



## ITEMS OF IMPORTANCE TO PURCHASERS.

Our seeds are delivered to any part of the United States, postage and express charges paid, when ordered at our catalogue prices (except Peas, Beans, Corn, Grass, and Clover-seed.)

### OUR TERMS ARE STRICTLY CASH WITH THE ORDER.

Purchasers will please be particular and send a sufficient **Amount to cover their Orders.** When only a part of the amount is remitted, goods will be sent only to the amount of the remittance. Should the remittance exceed the amount of the goods sent, the balance will be returned to the purchaser with the goods. We have been compelled to adopt this rule on account of the inconvenience and expense of collecting small balances due from many of our patrons at the close of our business season.

### HOW TO ORDER.

Please be *very careful* to always sign your *name, post-office, County and State* on each and every letter sent us. Cash should always accompany the order. Money can be sent safely, either by post-office order, bank draft, express, or small sums by registered letter. On orders over \$1.00 the cost of remitting by any of these methods may be selected in extra seeds free. Every Post-master is obliged by law to register a letter on payment of ten cents—and then you will receive our written receipt for the letter by return mail. We receive *postage stamps* the same as cash.

### WHAT WE GUARANTEE.

That all seeds sold by us shall prove to be as represented, to this extent, that should they prove otherwise we will replace them, or send other seeds to the same value. But we cannot guarantee the crop any farther than the above offer, as there are so many causes which operate unfavorably in the germination of seeds, and maturity of the crop, over which we have no control. Among the causes of failure may be mentioned unfavorable weather, which is one of the most important. The soil may be in proper condition when the seed is planted, but the weather which follows may be cold and wet, which will cause the seed to rot, or it may be hot and dry, which destroys the germ before it shows itself. The soil may also be unfavorable for the variety of seed planted. The seeds may be and are frequently destroyed by vermin of various kinds. And lastly changes not unfrequently occur, especially among new hybridized varieties, by which frequent sports are produced, which give the planter the idea, that his seeds are badly mixed. Such occurrences are beyond the power of man to prevent, and for which we cannot be responsible.

THOMAS A. COX & CO.,

SAN FRANCISCO.



## ARTICHOKE.

German, *Artischoke*. French, *Artichaut*. Spanish, *Alcachofa*.

Drop the seeds early in the spring one inch deep, and three or four inches apart, in drills one foot apart. Hoe often, and transplant in the following spring to hills four feet apart, setting from one to three plants in a hill. The soil should be deep, light, and rich, and the situation open and free from the influence of trees. Protect in winter with proper covering. The parts used are the fleshy substance on the bottom, or the scales of the immature flower heads.

**Large Green Globe**, the largest and best for general use. Price, per oz., 10 and 15 cts., per lb. \$3.50.

## ASPARAGUS.

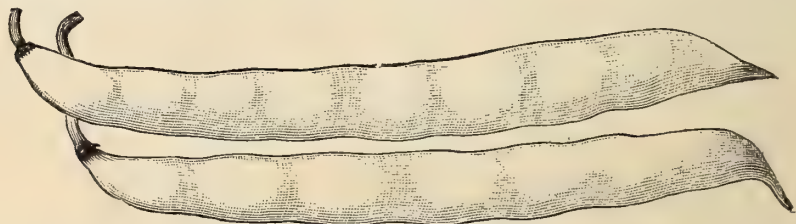
Ger., *Spargel*. Fr., *Asperge*. Sp., *Esparrago*.

Soak the seeds twenty-four hours in tepid water, and sow in fall or early spring in drills one foot apart; cover two inches deep; keep free from weeds. When two years old transplant into beds prepared by trenching to the depth of two or three feet. Fill the trench with manure well mixed with soil, in which set the roots so that the crowns will be six inches below the surface of the ground. If the spot selected for the bed is inclined to be wet, it should be well drained. Every fall, after cutting down the stocks, cover the ground with a good coat of manure, which should be turned under in the spring with a fork, without injuring the crowns.

**Large Purple, or Giant**. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.25  
**Conover's Colossal**. The standard variety. Price, per pkt., 5 cts.; oz., 10 cts.; ¼ lb., 25 cts.; lb., 70 cts.; two year old roots, \$2.00 per 100; \$7.50 per 1000; sent by express at the expense of the purchaser.

## BEANS, Dwarf or Bush.

We sell packets of all varieties at 10 cts. each, and on these we pay the postage, but if larger quantities are wanted by mail, 16 cts. per lb. must be added.



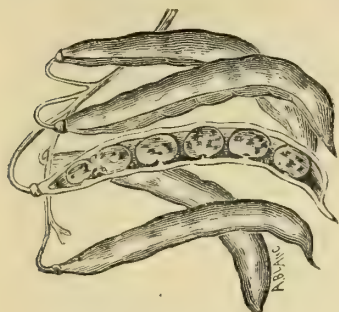
**Golden Wax**, a novelty among the Bush Beans, strong in growth, attractive in appearance, maturing for table in thirty-five days from germination. Price, per pkt., 10 cts.; per lb., 25 cts.

**Early Mohawk**, early, productive, and very hardy. Per pkt., 10 cts.; per lb., 20 cts.



**Early Long Yellow Six Weeks**, very early, fine string or shelled. Price, per pkt., 10 cts., per lb., 15 cts.

**Early Round Yellow Six Weeks**, early and very productive. Price, per pkt., 10 cts.; per lb., 15 cts.

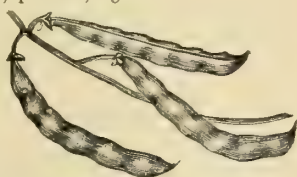


Cleveland's Imp. Early Red Valentine.

**Cleveland's Improved Early Red Valentine**, (10 days earlier than the ordinary Red Valentine) excellent string Bean, pod tender, succulent, and of fine flavor. Price per pkt., 10 cts.; per lb., 25 cts.

**Early China, or Red Eye**, very productive. Price, per pkt., 10 cts.; per lb., 15 cts.

**German Black Wax, or Butter**, (stringless.) An excellent and much esteemed String Bean, with transparent, wax-yellow, tender pods. Price, per pkt., 10 cts.; per lb., 20 cts.



**White Wax, or Butter** (stringless). A most excellent variety of this class of beans, so highly esteemed for their white, tender and succulent pods—the seeds are white as well as the pods; very prolific. Price, per pkt., 10 cts.; per lb., 15 cts.

**Refugee, or Thousand-to-one**, very productive, and good for pickling. Price, per pkt., 10 cts.; per lb., 15 cts.

## POLE, or RUNNING BEANS.

German, *Stangenbohnen*. French, *Haricots a Rames*. Spanish, *Judias*.

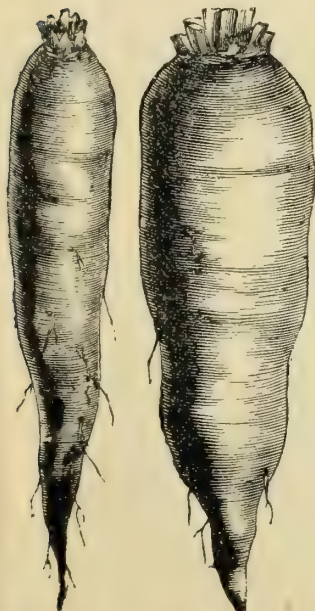
**Large Lima**, the most buttery and delicious bean grown. Plant in a warm, sandy soil, if possible, not to early. Price, per pkt., 10 cts.; per lb., 20 cts.

**London Horticultural, or Speckled Cranberry**, a round, speckled bean, tender for Snap Beans, and excellent for shelling. Price, per pkt., 10 cts.; per lb., 15 cts.

**Scarlet Runner**. This is the favorite Snap Bean of Europe, and nothing else will sell as soon as this appears in market. It is often planted in rows, and allowed to run on the ground. Price, per pkt., 10 cts.; per lb., 30 cts.

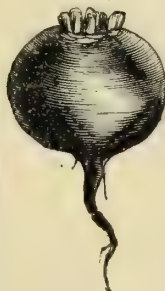
## BEET.

German, *Runkelruben*. French, *Betterave*. Spanish, *Remoiacha*.



Long Blood Beet.

Large Red Mangel Wurzel.



Early Blood Turnip Beet.

An ounce will sow a drill one hundred feet in length; five or six pounds will sow an acre.

**Extra Early, or Bassano**. This beet is ten days earlier than the Blood Turnip; roots light red, turnip-shaped, and will grow to a large size; flesh tender and juicy; and boils white. Per oz., 10 cts.; per lb., 75 cts.

**Dark Red Egyptian**, a new variety and one of the earliest; very deep red, tender and delicious; in form like the Flat Dutch Turnip. Price, per oz., 10 cts.; per lb., \$1.00.

**Early Blood Turnip**, the standard early sort; blood-red, turnip-shaped, and very tender, good for early use or for late keeping. Price, per oz., 10 cts.; per lb., 65 cts.

**Cox's Improved Blood Turnip**. A carefully selected type of the Early Blood Turnip, remarkable for perfect symmetry of shape, freedom from side or fibrous roots, and fine quality. It grows uniformly to a good large size, flesh deepest blood-red, fine grained, very sweet and tender. Valuable for table use, *early*, and also unsurpassed to keep for winter use. When wanted for winter use the seed should be sown later. Price, per oz., 10 cts.; per lb., 85 cts.

**Long Blood Red**, a well known hardy variety,



grows from ten to fourteen inches long, and from four to six inches thick. It is very productive. An excellent winter variety. Price, per oz., 10 cts.; per lb., 65 cts.

**Bastian's Half-long Blood Red.** Roots not so long as the preceding, but of handsome shape and very fine quality; of quick growth and valuable to follow the turnip varieties for early use; for winter use plant about the middle of July. Price, per oz., 10 cts.; per lb., \$1.00.

**New Eclipse.** This new, early variety, recently introduced, comes to us from E. BENARY, Germany, and is destined to supplant all other early blood beets, especially for market gardening. It gives the greatest satisfaction to all who have as yet been able to secure the Genuine Seed, and give it a trial. It has several decided points of merit, and is claimed to be the earliest variety known, being earlier even than Egyptian. It certainly is the most perfect in form, being as round as a ball, beautiful in appearance. Its small fine top, extreme earliness, heavy cropping qualities will recommend it to all market gardeners. We strongly advise our friends to give it a trial. Price per oz., 10 cts.; per lb., \$1.25.

## MANGEL WURZELS AND SUGAR BEETS.

GROWN FOR FEEDING STOCK.

The value of these for stock feeding cannot be overestimated. 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 of hay. They can be raised at a very trifling cost, and selected seed will yield immense crops per acre. Five to six pounds of seed required per acre.

**Lane's Improved Imperial Sugar.** This superb variety is the result of a careful selection for several years of the French Imperial Sugar Beet. After careful trial it is with the greatest confidence recommended as being hardier, more productive, and containing a greater percentage of sugar than any other variety of sugar beet. It is also much better adapted for cultivation in this country, either for table, when young, for stock feeding, or for the extraction of sugar. Price, per oz., 10 cts.; per lb., 65 cts.

**Mangel Wurtzel. Carter's Warden Orange Globe.** A superior Globe variety, and is said to have taken more prizes in England than any other kind. Price per oz., 10 cts.; per lb., 50 cts.

**French Silesian Sugar.** Grown for sugar and cattle feeding. Price, per oz., 10 cts.; per lb., 40 cts.

**Long Red Mangel Wurtzel.** A large, long variety, grown for stock feeding. It stands a good deal out of ground; color, light red; flesh, white and rose colored; leaves, green, veined and red. Price, 20 lbs. and over, 25 cts. per lb.; per oz., 10 cts.; per lb., 40 cts.

**Yellow Globe Mangel Wurtzel.** A large, round, orange-colored variety, of excellent quality, which keeps better than the Long Red, and produces better crops on shallow soil. Price, 10 lbs. and over, 45 cts. per lb.; per oz., 10 cts.; per lb., 60 cts.

**Champion Yellow or Orange Globe Mangel.** A globe-shaped orange-yellow root, of large size and fine nutritive qualities, growing partly above ground, and from its shape it succeeds well on light land. It is of beautiful shape, neat top, fine, clear skin, single tap root, and of choice quality; a sure cropper and excellent keeper; rather better keeper than the Long Red. Price, per oz., 10 cts.; per lb., 50 cts.

**Red Globe Mangel.** Similar to Yellow Globe, except in color; an excellent root. Price, per oz., 10 cts.; per lb., 50 cts.

**Norbiton Giant Mangel.** A fine English strain of the Long Red Mangel. Of fine form, very productive, and a favorite with many stock feeders. Price, per oz., 10 cts.; per lb., 65 cts.

## BROCOLI.

This vegetable is allied to the cauliflower—more hardy, but not so fine.

**Early Purple Cape.** This is the variety most generally cultivated, producing large, close heads of a brownish purple, and is of an excellent flavor. Price, per pkt., 10 cts.; per oz., 50 cts.

**White Cape.** A larger sort; heads large, white and compact. Price, per pkt., 10 cts.; per oz., 50 cts.

## BRUSSELS SPROUTS.

This species of winter cabbage is cultivated as greens for fall and winter use. Sow the seed in spring in seed-beds; and transplant and treat same as winter cabbage. An ounce will produce about five thousand plants.

**Brussels Sprouts.** Price, per pkt., 10 cts.; per oz., 30 cts.

## CABBAGE.

Ger., Kohl. Fr., Chou. Sp., Berza de Repolla.

Cabbage for early use may be sown in the fall and protected through the winter by a cold frame or a covering of straw; but in the northern latitudes it is better to sow in hot-beds, and transplant in the spring, after the ground becomes warm. The

largest kinds should be set three feet apart each way. To have fine cabbage the ground must be dug deep, heavily manured, and well filled. An ounce of seed will produce six thousand plants.

**Early Jersey Wakefield.** Extra stock, very early and sure headed, stock cannot be excelled. Price, per pkt., 10 cts.; per oz., 50 cts.; per lb., \$4.00.

**Early York,** the well-known standard sort. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

**Large Early York.** Larger and rather later than the Dwarf. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

**Early Winingstadt.** Second early; heads solid in the hottest summer. Price, per pkt., 10 cts.; per oz., 30 cts.; per lb., \$1.50.

**Early Bleichfield Giant.** An early, short-stemmed, German variety; heads large and solid. We find it to be the earliest of the large hard heading drumheads, maturing earlier than the Fottler's Brunswick. Price per pkt., 10 cts.; per oz., 50 cts.; per lb., \$4.00.

**Fottler's Improved Brunswick.** Extra stock, the best early Drumhead; always pleases. Price, per pkt., 10 cts.; per oz., 50 cts.; per lb., \$4.00.

**Very Early Etampes.** This is a sort that attracted a great deal of attention, not only on account of its great earliness—maturing same time as the earliest—but also from its peculiar shaped head. Price, per pkt., 10 cts.; per oz., 40 cts.; per lb., \$4.00.

**Early Sugar Loaf.** An early cabbage, with conical heads, of medium size, but not very firm. Cannot stand the heat of the South. Price, per pkt., 5 cts.; per oz., 20 cts.; per lb., \$1.75.

**Stone-Mason.** A short-stemmed, quick-growing, excellent market sort. Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$3.00.

**French Oxheart.** Light green heads, of good size; very solid; short stump. It ripens with Large York. Price, per pkt., 5 cts.; per oz., 20 cts.; per lb., \$1.75.

**Flat Dutch.** Excellent and well known. Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$2.00.



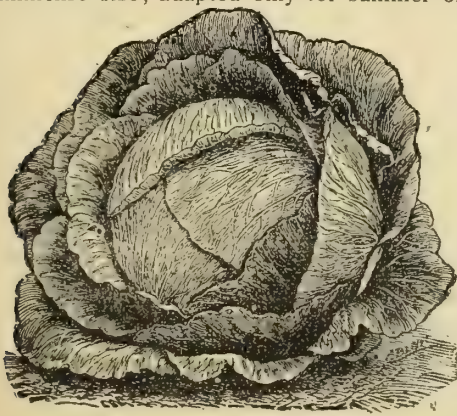
EARLY JERSEY WAKEFIELD. EARLY WINNINGSTADT. LARGE FRENCH OXHEART.

**Early Large Schweinfurt.** A very large variety; heads rather soft; grows to an immense size; adapted only for summer or fall family use. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$3.00.

**Improved American Savoy.** Extra stock. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$2.50.

**Early Drumhead.** Second early; round, flat heads. Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$2.50.

**Cox's Selected Flat Dutch.** As a variety for the winter market it has no superior, and is more extensively grown than any other. Head large, bluish-green, round, solid, broad and flat on the top, and often tinted with reddish-brown after being touched with frost; they open white and crisp, are tender and well flavored. It is a fall and winter variety, and one of the very best to keep. With good cultivation, on moist, rich ground, ninety-five in hundred will keep up hard and fine. Price, per pkt., 10



COX'S SELECTED FLAT DUTCH.  
cts.; per oz., 50 cts.; per lb., \$4.00.



**Large Late Drumhead.** Similar to the last, but lighter color. Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$2.00.

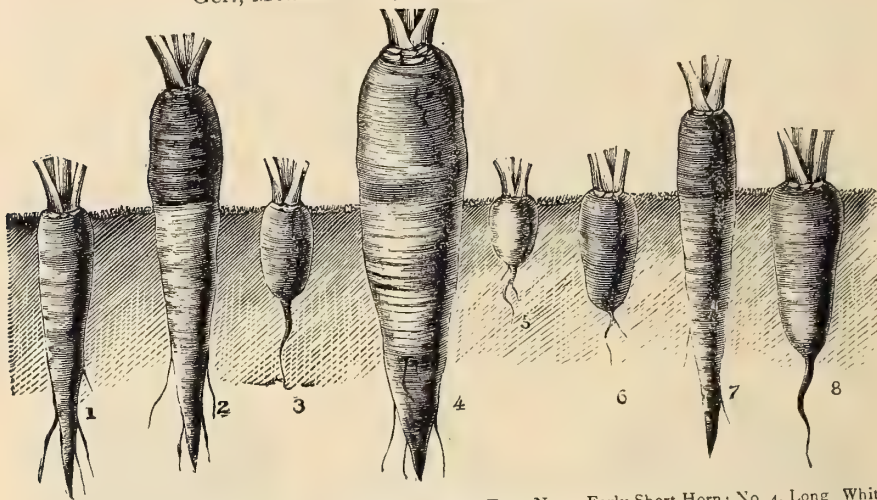
**Marblehead Mammoth.** The largest grown. Under extra tillage and rich soil it attains a weight of forty to fifty pounds. Price, per pkt., 10 cts.; per oz., 50 cts.; per lb., \$4.00.

**Red Dutch,** for pickling. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$3.00.

**Henderson's Early Summer.** The largest early variety. Price, per pkt., 10 cts.; per oz., 50 cts.; per lb., \$4.00.

## CARROT.

Ger., *Mohren.* Fr., *Carrote.* Sp., *Zanuhoria.*



No. 1, Long Orange Carrot; No. 2, Large Belgian Green Top; No. 3, Early Short Horn; No. 4, Long White Belgian; No. 5, Early Forcing; No. 6, Half Long French Stump-rooted; No. 7, Altringham; No. 8, Half Long Scarlet.

The Carrot should always be furnished a good, deep rich soil. Sow in drills about an inch deep, the drills about an inch apart; and at thinning, the plants should be left from four to ten inches apart, according to kind. The short kinds are finest grained, best adapted for table use, can be had very early and may be allowed to grow very thickly upon the ground. The large sorts are admirable for all kinds of stock, and nothing is more relished by horses in winter, and nothing is more healthful for them.

**Early Scarlet Horn.** This is one of the earliest; color deep orange, and fine flavored. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.25.

**Early French Forcing.** The earliest variety, valuable for forcing, root small and of fine flavor. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

**Half-Long Orange, or Danvers.** A variety intermediate in size and period of maturity between the preceding and Long Orange. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.00.

**Early Half Long.** An early variety without core. It is an excellent sort for forcing; or, used as an early kind, for planting in the open ground. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.00.

**Half Long Scarlet, Stump-rooted.** A great acquisition, suitable for shallow soils; remarkably smooth in skin, rich in color, and of uniform texture throughout. It is of very fine quality for table use, and is a good variety for forcing. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.15.

**Long Orange.** A standard sort; roots long, smooth, and of a deep orange color; excellent for table use, also profitable for field culture. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.00.

**Cox's Improved Long Orange.** This is a *decided improvement* over the ordinary Long Orange. The roots grow remarkably uniform and smooth, being always well formed and of larger size, better flavored and of deeper orange color. Price, per pkt., 10 cts.; per oz., 15 cts.; per lb., \$1.25.

**Long White, or Belgian.** Grows to a large size; roots pure white; extensively raised for feeding stock. Price, five lbs. or over, at 60 cts. per lb.; per pkt., 5 cts.; per oz., 10 cts.; per lb., 75 cts.

**Yellow Belgian.** When young, the roots are mild, delicate and of good flavor; when full grown valuable for stock. Price per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.00.



## CAULIFLOWER.

Ger., *Blumenkohl*. Fr., *Choufleur*. Sp., *Coliflor*. Port., *Couveflor*. It., *Cavola di Malta*.

The Cauliflower is esteemed as one of the most delicious vegetables. It requires the same treatment and culture as the Cabbage, and, with good seed of a pure strain, it is as easily grown. Sow the seed in a cold frame, early in spring, or in a sheltered and well prepared seed-bed, in the open ground, in a warm sunny exposure; keep the plants sufficiently well thinned out to secure a vigorous and stocky growth, and when of the usual size of cabbage plants, transplant them about two feet apart, in good, well enriched soil, bearing in mind not to use ground where any of the cabbage tribe grew the previous year. The best fertilizer is thoroughly rotted stable manure and bone dust.

**Erfurt Earliest Dwarf.** The earliest variety in cultivation, very dwarf, with large pure white heads; unsurpassed in quality, and one of the surest to head. (Seeds grown in Erfurt, first quality.) Price, per pkt., 50 cts.; per oz., \$2.50.

**Henderson's Early Snowball.** This seed is still very scarce and high, but we have reduced the price considerably. This variety of cauliflower has given the greatest satisfactions in all sections. It is the earliest of all cauliflowers, about one week earlier than any other sort. In addition to its earliness, its dwarf habit and short outer leaves allow it to be planted as close as eighteen or twenty inches apart each way. Price per pkt., 25 cts.; per oz., \$5.00.

**Veitch's Autumn Giant.** This extremely valuable variety is perfectly distinct from any other sort. The heads are magnificent, beautifully white, large, firm and compact, and, being thoroughly protected by the foliage, remain longer fit for use than any other sort. Price per pkt., 10 cts.; per oz., 25 cts.



**Early Paris,** head rather large, white and compact, stock short. This is one of the earliest and tenderest sorts, particularly when sown in spring. Price, per pkt., 10 cts.; per oz., 75 cts.

**Half Early Paris, or Nonpareil.** One of the best; sure to head; of delicious flavor, and good for either early or late. Price, per pkt., 10 cts.; per oz., 75 cts.

**Lenormand's Short-stemmed.** A very fine French Cauliflower, of short, stocky growth, recommended by French cultivators as one of the best sort sorts for general cultivation. Price, per pkt., 10 cts.; per oz., 75 cts.

**Large Late Asiatic.** A fine, large, white, compact variety, later than the Early Paris; if sown at the same time will afford a succession. Price, per pkt., 5 cts.; per oz., 50 cts.

**San Francisco Market.** This variety is grown almost exclusively by the market gardeners around San Francisco. It is a large, early, sure-heading variety, producing magnificent, white, compact heads of the finest flavor. Price, per pkt., 25 cts.; per oz., \$1.00.

## CELERY.

Ger., *Scleri*. Fr., *Celeri*. Sp., *Apio*.

Sow early in spring in a seed-bed, half an inch deep, any time after night frosts are gone, or on a slight hot-bed, if wished early; thin out the plants, when up to an inch apart or transplant into a second bed three inches apart. When strong plants dig trenches four feet apart, and fifteen inches wide; dig each trench a moderate spade deep; put three inches well-rotted dung all over the bottom of each trench, then pare the sides, and dig the dung and parings with an inch or two of loose mold at the bottom, incorporating all well together, and put in the plants in two rows, six inches apart, and eight inches apart in row. Give a good watering after planting, earth up as the plants make growth, and keep the earth between the trenches loose and open with a spade. Garden culture is all that is necessary for the turnip-rooted.

**Sandringham Dwarf White.** An excellent variety, remarkable for fine flavor and solidity. Price, per pkt., 5 cts.; per oz., 25 cts.

**Crawford's Half Dwarf.** This variety is now grown more extensively than any other by the market gardeners who supply the New York City markets, and is the kind found on the tables of all first-class hotels. When blanched, it is of rather a yellowish-white, and is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while has much more vigor of growth, surpassing most of the large growing sorts in weight of bunch, when grown under the same conditions. Price, per pkt., 10 cts.; per oz., 25 cts.



BOSTON MARKET CELERY.

**New Golden Heart.** A new and entirely distinct variety, of sturdy, dwarf habit. It is entirely solid, an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is of a pure golden-yellow, making this an exceedingly showy and desirable variety for both market and private use. Price, per pkt., 10 cts.; per oz., 25 cts.

**Boston Market.** A favorite variety, remarkable for its tender, crisp and succulent stems, and its peculiarly mild flavor; it is grown almost exclusively by Boston market gardeners. Price, per pkt., 10 cts.; per oz., 50 cts.

**Incomparable Dwarf White.** An excellent Dwarf variety, very solid and crisp. Price, per pkt., 5 cts.; per oz., 25 cts.

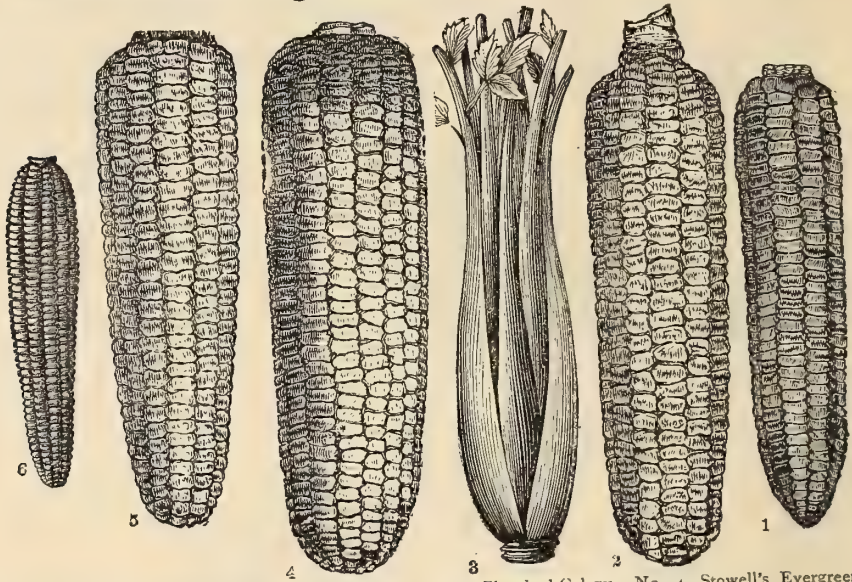
**Giant White Solid.** Of large size, solid and crisp, Price, per pkt., 5 cts.; per oz., 25 cts.

**Seymour's Superb White.** One of the best of the large varieties. Price, per pkt., 5 cts.; per oz., 25 cts.

**Turnip Rooted (Celeriac)** turnip-shaped root, of Celery flavor. Price, per pkt., 10 cts.; per oz., 25 cts.

**Soup Celery Seed,** for flavoring pickles, soups, etc. Per oz., 10 cts.

## SWEET CORN.



No. 1, Early Minnesota; No. 2, Crosby's Early; No. 3, Blanched Celery; No. 4, Stowell's Evergreen; No. 5, Extra Early Tom Thumb; No. 6, Popping Corn.

If ordered by mail, 16 cts. per pound must be added for postage.

All varieties 10 cts per pkt. by mail, postage paid.

**Early Minnesota.** This, we claim, is the very best early sweet corn we have ever tried; plant dwarf; ears short but fine, and of excellent quality; it has a white cob, and is very desirable. Price, per pkt., 10 cts.; per lb., 25 cts.

**Extra Early Tom Thumb.** New, very early. At least a week earlier than Minnesota, and sweetest of all the early varieties; ears of fair size, kernel large and white, resembling the Crosby and Evergreen in flavor; a most valuable sort for market gardeners. Price per pkt., 10 cts.; per lb., 25 cts.

**Squantum Sugar.** A variety of Sugar Corn in great favor with the well-known Squantum Club, of Silver Spring, R. I., and used almost exclusively by them in their famous clam-bakes. It is about as early as the Moore's Concord, the ears being the same size. Its quality is of the best. Very sweet and wonderfully productive, producing 4 to 5 ears on a stalk. Price per pkt., 10 cts.; per lb., 25 cts.

**Russell's Early Prolific.** A standard early sort; very early, one of the best, excellent for private gardens. Price per pkt., 10 cts.; per lb., 25 cts.



**Moore's Concord.** Medium early; large, well-filled ears; of excellent flavor. Price per pkt., 10 cts.; per lb., 25 cts.

**Crosby's Early Sugar, or Boston Market.** One of the best of the early sorts; ears short. Price, per pkt., 10 cts.; per lb., 15 cts.

**Early Eight-rowed Sweet, or Sugar.** This is an old standard variety of sweet corn, becoming fit for use about the same time as Crosby's Early, or perhaps a little earlier. Price, per pkt., 10 cts.; per lb., 15 cts.

**Stowell's Evergreen.** Late, excellent, long keeper; ears large and very thick; this variety should be grown in every garden for late use. Price, per pkt., 10 cts.; per lb., 15 cts.

**Mammoth.** A vigorous, large late variety. Price, per pkt., 10 cts.; per lb., 15 cts.

**Parching.** White, best for popping. Price, per pkt., 10 cts.; per lb., 15 cts.

## CORN SALAD.

Fr., *Mache*. Sp., *Mache o Valerianilla*.

A remarkably hardy plant, used as a small salad through the winter and spring. Sow in September thickly, in shallow drills; keep clear from weeds. In winter during severe weather, cover with straw or trashy manure.

**Corn Salad.** Large seed. Price, per pkt., 15 cts.; per oz., 20 cts.; per lb., \$1.50.

## CRESS, or PEPPERGRASS.

Fr., *Cresson*. Sp., *Berro o Mastuerzo*.

Extensively used as a small salad; very useful and healthy. Can be used alone or mixed with other salads, for which it is highly esteemed; also useful for garnishing; sow seeds thickly in shallow drills, about a foot apart, repeat at intervals.

**Curled.** Fine flavor, beautiful foliage; may be cut often. Price, per pkt., 5 cts.; per oz., 15 cts.

**Water-Cress.** This is sown by the side of running water; it is altogether an aquatic plant, and forms an early and wholesome spring salad. Price, per pkt., 5 cts.; per oz., 60 cts.

## CHERVIL.

**Chervil, Curled.** An aromatic sweet herb. The young leaves are used in soups and salads. Price per pkt., 10 cts.; per oz., 25 cts.; per lb., \$2.00.

## CHICORY.

The roots of this vegetable are much used in Europe as a substitute for coffee. One ounce will sow a bed of four and one-half feet by thirty feet; four pounds to the acre.

**Large Rooted, or Coffee.** Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$2.00.

## CUCUMBERS.

Ger., *Gurke*. Fr., *Concombre*. Sp., *Pepino*.

Prepare the hills for planting by using a shoveltul of well-rotted manure in each hill. Cover this two inches deep with fine earth on which plant the seed. When beyond the reach of insects thin to four in a hill, which should be four feet apart each way. Hoe often. An ounce of seed will plant one hundred hills.

**Early Russian.** Earliest in cultivation, being ten days earlier than the Early Cluster, which it resembles. Fruit sets in pairs, and when fully grown is in three or four inches in length. Finely flavored. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

**Boston Pickling.** A distinct variety which has obtained a great degree of popularity in Boston markets as a pickle. It is medium long, and a great producer. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

**Early Short Green.** Very productive; good for table and pickles. Price per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

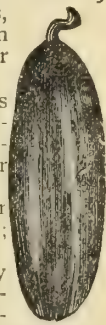
**Early Cluster.** A short, prickly variety. Usually grows in clusters. Is a prolific bearer; and, excepting the Early Russian, is the earliest sort. Flavor excellent. Price per pkt., 5c.; per oz., 15c.; per lb., \$1.50.

**Early Frame.** The standard variety, and a most prolific bearer. Fruit medium size, and excellent for using in a green state, or for pickling. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

**Early White Spine;** fruit large size and smooth, and retains its color several days after being plucked. An excellent variety. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.



EARLY CLUSTER.



**Improved Early White Spine.** For both market use and pickling this variety is now more largely grown than any other. Our seed is of the true original Boston market stock, and is vastly superior to the unimproved White Spine. Market gardeners and pickling establishments have here a cucumber that is admirably suited to their wants. Price, per pkt., 5 cts.; per oz., 20 cts.; per lb., \$2.00.



**West India Gherkin.** Very small variety, used wholly for pickling. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$3.00.

**Long Green.** The largest variety; long, straight, smooth, and solid, sometimes growing eighteen inches in length. Excellent for pickling. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

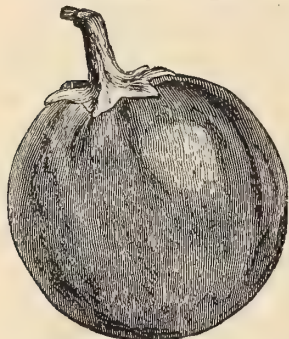
## EGG PLANTS.

German, *Eierpflanze*. French, *Aubergine*. Spanish, *Berengena*.

Sow in hot-bed early in the spring, and transplant to two and a half feet apart each way, in very rich, warm ground. Do not plant out till the weather becomes settled and warm. Keep the plants well watered for a few days, if hot when put out. When hot-beds are not convenient, a few plants can be started in flower-pots or boxes, and, when planted out, must have a deep, rich soil, and full exposure to the sun. Cultivate and hoe same as cabbages.

**Early Long Purple,** early and productive. Fruit of good quality. Price, per pkt., 5 cts.; per oz., 30 cts.; per lb., \$3.00.

**New York Improved Purple,** a superior market variety. It grows to a large size, oval shaped, and dark purple color. Price, per pkt., 10 cts.; per oz., 50 cts.; per lb., \$5.00.



EGG PLANT.

**Tall Green Curled Scotch.** Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$2.00.

**German Dwarf Green.** Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$2.00.

## KOHLRABI, or Turnip-rooted Cabbage.

French, *Chourave*. Spanish, *Colinabo*.

This vegetable partakes of the nature of both of the turnip and of the cabbage, and may be cultivated same as the Rutabaga. By many the Kohlrabi is highly esteemed for culinary purposes. An ounce of seed will produce two thousand plants.

**Early White;** a fine, early variety for table use. Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$3.00.

**Large Green;** a very productive sort for farm culture. Price, per pkt., 5 cts.; per oz., 25 cts.; per lb., \$3.00.

## LEEKs.

Ger., *Porro*. Fr., *Poireau*. Sp., *Fuero*.

This plant has the flavor of the onion. The lower or blanched portion is used for flavoring soups, or boiled and served as asparagus. One ounce of seed will sow a bed of sixty feet square.

**Large American Flag;** a favorite variety with the market gardener; of strong and vigorous growth. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$2.50.

**Large Flag, or London;** This is the sort usually cultivated. It is a hardy and vigorous plant. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.50.

**Musselburgh;** stem somewhat shorter than the London, but of equal thickness; leaves broad and tall, spreading like a fan; hardy. Price, per pkt., 10 cts.; per oz., 25 cts.; per lb., \$2.50.



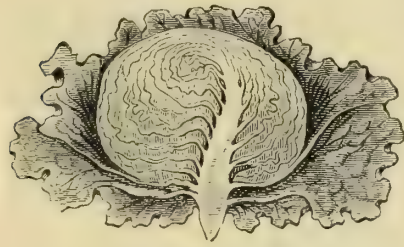


## LETTUCE.

Ger., *Salat*. Fr., *Laitue*. Sp., *Lachuga*.

**Hanson Lettuce**; heads very large, solid, sometimes weighing two to three pounds; tender, crisp, and of fine flavor; color beautiful, green outside and white within. Stands the summer heat well; one of the very best in cultivation. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Prize Head**; an early variety, forming a mammoth head, remains tender and crisp throughout the season; of superb flavor, and very hardy. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.



**Boston Market**; an improved variety of the Tennis Ball; one of the best for forcing. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Ice Drumhead**; heads readily, blanches naturally; crisp, tender, and well-flavored. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Royal Summer Cabbage**; color light yellow, leaves uniform, nearly all turned into the head; which is well formed, good size, close, and a little flattened. It stands the heat well. Price, per pkt., 10 cts.; per oz., 20 cts.; per  $\frac{1}{4}$  lb., 60 cts.; per lb., \$1.75.

**American Gathering**; a distinct variety, the tips of the leaves being marked with red; very solid, exceedingly crisp, and of excellent flavor. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Philadelphia Butter**; heads of good size, close and well formed; very tender and of excellent flavor. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Early Curled Silesia**; a superior variety of a very strong growth; leaves large, light yellow, wrinkled. For forcing, and the first spring sowing is highly esteemed. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Early Curled Simpson**; an improved variety of the preceding, very early, and an excellent sort for forcing; is largely grown by the market gardeners in the vicinity of New York. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Tennis Ball**; well formed heads, hardy and crisp, of excellent quality. One of the earliest of the heading varieties. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Boston Curled**; variety of great beauty and of very superior quality. The symmetry of its growth and fine elegant frilling of the leaves render it highly ornamental. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Large India**; one of the largest varieties. It forms large, round heads, which cut white brittle, and almost transparent. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Black Seeded Simpson**. Price, per pkt., 10 cts., per oz., 25 cts.; per  $\frac{1}{4}$  lb., 65 cts.; per lb., \$1.75.

**Satisfaction**. A new English variety; large, unusually tender, remaining in head a long time. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.50.

**Improved Large Passion**; (True black seed.) It produces very fine, large, solid white heads, which will measure from twenty to twenty-two inches in circumference, crisp and tender, and of excellent flavor. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**Paris White Cos**; one of the best of the upright varieties; tender and crisp; should be tied up to insure blanching. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

## WATERMELONS.

Ger., *Wassermelone*. Fr., *Melone d'eau*. Sp., *Sandia*. Port., *Melanea*. Ital., *Cocomere di Pistoja*.

Drop middle of spring in hill six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Hoe often, and gradually hill up until the vines touch, and after the fruit appears cut off the extreme ends of the most luxurious shoots.

**Peerless**. Good, but not equal to the Ice Cream; rind thin, light green; flesh solid, bright red and sweet. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 80 cts.

**Lodi Watermelon**. A large, solid, cream-colored melon, with flesh deep red, of a rich, delicious flavor, with only half an inch of rind, white-seeded, originated in



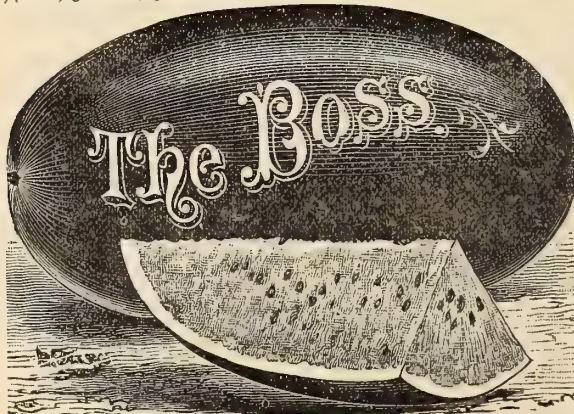
California about ten years ago. We have this season for sale the seeds of this magnificent melon, which has superceded all other varieties in the San Francisco market. We have saved the seed from the choicest stock. Those who have had difficulty in procuring pure seed, we know will appreciate it. As a market melon, wherever introduced, it sells at extra prices on account of beauty, size, and fine quality. Price, per pkt., 5 cts.; per oz., 10 cts.;  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Vick's Early.** This new melon is highly prized for its extra *earliness*; oblong in shape; smooth, size medium, flesh bright pink, solid and sweet. Price, per pkt., 5 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 60 cts.; per lb., \$2.00.

### CUBAN QUEEN WATERMELON.

An exact copy from a photograph. This magnificent new melon is a late introduction from the West Indies, having attained the size of 103 pounds. The following is the description of the introducer:

"This illustration, from a photograph, gives a fair idea of their form, size and markings, but fails adequately to depict their great beauty. The skin is beautifully striped, dark and light green, of the latter, their being two shades agreeably diversified. Their flesh is *bright red, remarkably solid, peculiarly luscious, crisp and sugary*. In delicious flavor it surpasses the celebrated *Icing* which has heretofore been considered *par excellence* in this important quality, but which does not grow large enough to suit our market gardeners. They are wonderfully *solid* and good keepers, excellent to ship to market, although their rind is unusually thin, being scarcely more than half an inch thick on a melon of enormous size. A CUBAN QUEEN the size of a forty-five pound melon of some other variety, will weigh from sixty to sixty-five pounds, so very much heavier and more solid are they. They are **ENORMOUSLY PRODUCTIVE**, yielding heavier crops than any other variety we have ever grown. The vines are very strong, healthy and vigorous in growth. They ripen early, maturing fine large melons, even in Canada, and are suited for all sections. Their enormous size, handsome appearance, thin rind, red flesh and delicious taste are so captivating that they cannot fail to bring extra prices wherever put on sale. Price, per pkt., 10 cts.; per oz., 20 cts.; per  $\frac{1}{4}$  lb., 50 cts.; per lb., \$1.50.



**The Boss.** This new melon has a very dark skin, slightly ribbed, and is long in shape. It is very heavy for its size, which, however, is not large; flesh solid, red and sugary. By many, this melon is very highly esteemed. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 30 cts.; per lb., \$1.00.

**Mammoth Iron-Clad.**—This new Melon originated with a prominent melon-grower in South Delaware, and resembles in his markings the popular Cuban Queen. In shape and seed, however, it is quite distinct, being deeper and fuller at

both ends, with seeds of drab-white color. Grows uniformly very tough and hard, thus rendering it valuable for shipping. Price per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 60 cts.; per lb., \$2.00.



**Kolb Gem.** This new Southern Melon comes to us most highly recommended, and although as yet little known in the North, bids fair to soon have a national reputation, both on account of its most excellent shipping qualities and delicious flavor. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 50 cts.; per lb., \$1.50.

**Mountain Sweet**; the most popular variety, and very productive; large in size; long, oval shaped; flesh scarlet; excellently flavored, and solid quite to the center. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Icing**; of round form, white seeded. This melon can scarcely be praised too highly on account of its solidity, thin rind, and rich, luscious, sugary flavor. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Ice Cream**; a variety similar to the last mentioned; it is prolific, early and well adapted for cultivation in cold localities. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.25.

**Gipsy**; fruit large, oblong, striped; flesh red, of fine quality. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 45 cts.; per lb., \$1.50.

**Mountain Sprout**; a large, long, striped variety; flesh bright scarlet color, and excellently flavored; seeds drab color. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb. \$1.00.

**Black Spanish**; a round variety; color dark green; flesh scarlet; seeds black. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Citron, for Preserves**; grows round and smooth; striped and marbled with light green. Price, per pkt., 10 cts.; per oz., 20 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.25.

## MUSKMELONS.

Ger., *Zucker-Melone*. Fr., *Cantaloupes Broades*. Sp., *Meloncillo de Florencia*. Ital., *Zetta Primetccio*.

Late in the Spring drop a dozen seeds in hills five to six feet apart; and when out of danger from insects thin to three or four plants to the hill. When the plants have four or five rough leaves, pinch off the end of the main shoot, which will hasten the lateral branches, and strengthen the growth of the vines, and the fruit will come to maturity earlier. When the stem will cleave from the fruit, they have arrived at perfection.



**Muskmelon, New Surprise.** This variety has a thin cream colored skin; thickly netted; the flesh is of a deep salmon color, very thick, and of excellent flavor. It is a good bearer, round in shape, early, and a good keeper, often attaining a large size. It is now considered the best melon in cultivation. The seed we offer is saved from the finest specimens. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**Muskmelon, Bay View.** Fruit of the largest size, frequently sixteen to eighteen inches long, and will ripen up finely if picked quite green, making it one of the best for shipping long distances, and this, combined with its great beauty, make the variety a favorite with market gardeners. Flesh thick, of rich green color, juicy and very sweet and rich. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.25.

**Green Citron.** A large, roundish fruit, flattened at the ends and rough-netted. Melting and fine flavored. Price, per pkt., 5 cts.; per oz., 20 cts.; per  $\frac{1}{4}$  lb., 60 cts.; per lb., \$2.00.

**Hackensack.** A variety of Green Citron, well known among the New York market gardeners. It grows to very large size, is productive and of exquisite flavor. Price per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 45 cts.; per lb., \$1.50.

**Skillman's Netted.** Form roundish oval; flesh deep green, sweet and richly perfumed; early and delicious. Price per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 45 cts.; per lb., \$1.50.

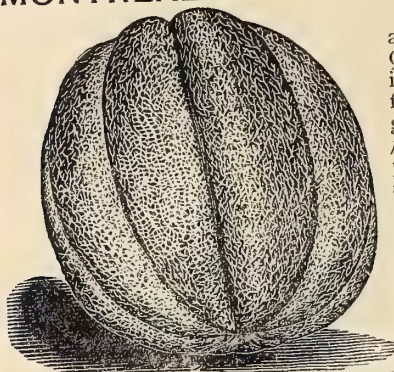
**Jenny Lind**; size small but very delicious. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.25.

**Golden Netted Gem.** They grow remarkably uniform in shape and size, weighing  $1\frac{1}{4}$  to  $1\frac{1}{2}$  pounds each. They are thick-meated, the flesh is light green in color, and uniformly of fine, luscious flavor. Per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 45 cts.; per lb., \$1.50.

**Cassaba.** A muskmelon of extraordinary size and delicious flavor; weight from twelve to fifteen pounds. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 45 cts.; per lb., \$1.50.

**Large Yellow Cantaloupe.** Of good size, netted and slightly ribbed; flesh salmon-colored, thick and musk-flavored. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., \$1.00.

## MONTREAL IMPROVED GREEN NUTMEG MELON.



This magnificent variety is largely grown by a few market gardeners in the neighborhood of Quebec and Montreal, Canada, whence it takes its name. The fruit is nearly round, slightly flattened at the ends, with a densely netted green skin. They grow to a very large, uniform size, averaging from fifteen to twenty pounds in weight. Two specimens taken from a patch this season weighed twenty-three and twenty-six and a half pounds, respectively. The flesh is remarkably thick, and of good flavor for so large a melon. Owing to its large and handsome appearance, it sells rapidly in market at very high prices. We consider it one of the best exhibition or late market melons grown. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**Large Green Nutmeg**; the standard sort; fruit oval, good sized, thickly netted, flesh light green, rich, sweet, melting, and highly perfumed; one of the finest. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.25.

## MARTYNIA.

A hardy plant of vigorous growth, the pods or fruit of which are used for pickling while young and tender. Sow seed in the open ground in April or May, where the plants are to remain. Plants should stand two feet apart each way.

**Martynia Proboscidea.** Price, per pkt., 10 cts.; per oz., 25 cts.

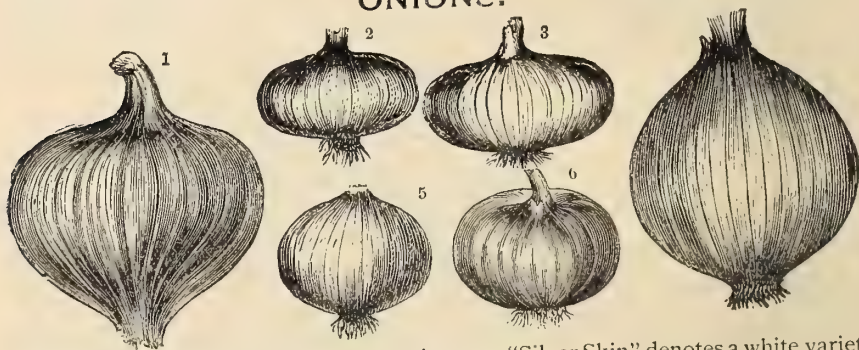
## MUSHROOM SPAWN.

Fr., *Champignon*. Sp., *Seta*.

Mushrooms may be grown in a warm cellar or shed in winter, or in the open air in summer. Take partially dry fresh horse manure, and lay it in a heap to ferment; turn and mix well every few days, and when well and equally fermented, which will be in from ten to fifteen days, it may be made into a bed four feet wide, and about two feet deep, mixing it well together, and beating or treading it firmly. As soon as the temperature of the bed falls from seventy-five to fifty degrees, the spawn may be inserted in pieces about the size of a walnut, about two inches deep, and six inches apart. Cover with loamy soil, about two inches deep, and beat it down evenly and firmly. Finish off with a covering of clean straw or hay about a foot thick, to protect from heavy rains. Water, when necessary, with lukewarm water, and expect mushrooms in from four to six weeks.

**Mushroom Spawn.** Price, per lb., 35 cts. 1 lb. by mail, 50 cts.

## ONIONS.



NOTE.—In some parts of the country, the term "Silver Skin" denotes a white variety in other parts a yellow variety. Please indicate in your order which you want.

We are glad to announce that the past season we have harvested very large crops, and are able to sell at much lower prices than last year. Sow at the earliest opening of spring, in light, rich soil, in drills twelve inches apart, covering seed lightly. Keep free from weeds, and if large onions are wanted, thin to three or four inches, and avoid any earthing up of the bulbs. For field culture, to make large onions, sow from four to six pounds of seed to the acre. In Wethersfield they sow in drills, fourteen inches apart, at the rate of eight pounds to the acre when wanted for bunching,



and six pounds of seed when wanted for large bushel onions. Onion Sets and Top Onions are set out in spring or fall, in shallow drills, twelve inches apart and six inches between, on rich and well prepared soil.

**Weathersfield Red.** One of the best varieties for a general crop of good size; red, roundish, productive; heads and keeps well. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Early Red.** Most valuable as an early variety. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 45 cts.; per lb., \$1.50.

**Danvers Yellow.** A fine, large, round onion, very choice. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Southport Yellow Globe.** Our seed of this valuable heavy-cropping sort is raised from the finest selected Onions, which are large in size and handsome in appearance. Those who have grown either the Red or White Globe varieties will understand that the Yellow Globe is identical with them in shape and size, differing only in color. Price per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 45 cts.; per lb., \$1.50.

**Large Yellow.** A fine, large, flat onion; forms bulbs readily. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Large White Italian Tripoli.** A new and excellent variety, of quick growth and mild flavor. Price per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**White Globe.** A large, white onion, as large as the Danvers Yellow. Price, per pkt., 5 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 80 cts.; per lb., \$3.00.

**White Portugal, or Silver Skin.** True, white, delicate, early; not a good keeper. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 80 cts.; per lb., \$3.00.

**Giant Rocca.** A splendid large variety from Naples, globular shaped, bright brown skin, and delicate flavor. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 80 cts.; per lb., \$3.00.

**El Paso, or Large Mexican.** Grows in Mexico to a diameter of six inches, and to a weight of two or three pounds, and used in that region in preference to any other sort. Color variable from white to light red; flesh white, rather coarse grained, but of very mild flavor. Resembles a mammoth White Portugal. Price, per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 80 cts.; per lb., \$3.00.

## OKRA, or GOMBO.

Gr., *Essbarer Hibiscus.* Fr., *Gombo.* Sp., *Quimbombo.* Ital., *Ibisco.*

Sow about middle of spring in drills, and thin the plants to a foot or more apart. Highly esteemed and cultivated for its green seed pods, which are used in soups, or stewed and served like asparagus. Should be gathered while young and tender, and for winter use, slice into rings and dry on strings or otherwise.

**Long Green.** Long ribbed pods. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.50.



## PARSLEY.

Ger., *Petersilie.* Fr., *Persil.* Sp., *Perijil.*

Soak the seed a few hours in lukewarm water, and sow early in the spring in drills an inch deep and one foot asunder. Thin out the plants to four inches apart.

**Plain, or Single.** Plain leaves, excellent flavor. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 20 cts.; per lb., 65 cts.

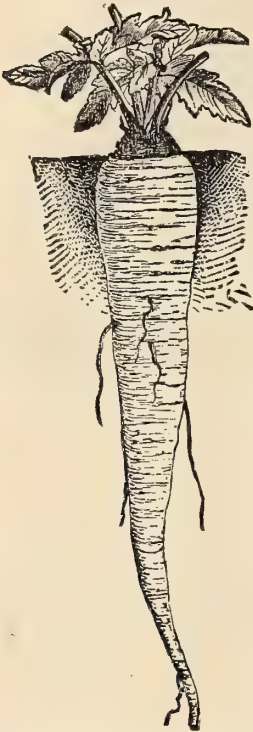
**Fine Double Curled.** Fine dwarf; crimped leaves. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 80 cts.

## PARSNIPS.

Ger., *Pastinake.* Fr., *Panais.* Sp., *Chirivra.*

The soil should be deep, rich and mellow. As the roots are long and slender, the deeper and more thoroughly the soil is stirred, the better. When the soil is shallow, or where there is a clayey or gravelly sub-soil, the roots will be short and branched, and deficient in the mild, tender and sugary properties which they possess when grown under more favorable circumstances.

**Long White.** Roots long; white, sugary and fine flavored. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., 65 cts.



**Sugar, or Hollow Crown.** Roots about eighteen inches long and four inches in diameter at the crown; fine flavored. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

## PEAS.

Our prices by the pkt. include postage. If ordered by mail in larger quantities, 16 cts. per lb. extra.

Fr., *Pois*. Sp., *Chicaros o Guisantes*.  
EXTRA EARLY.

**American Wonder.** One of the earliest wrinkled peas in cultivation, exceedingly productive, and of very dwarf and compact growth, growing only from ten to eighteen inches high. Price, per pkt., 10 cts.; per lb., 25 cts.

**Cox's Earliest of All.** This is unsurpassed in extra earliness and productiveness. None ripen earlier, and a few as early. Height about two feet, quality excellent, and the crop can be gathered in two pickings. Also for a late fall crop it is unsurpassed, growing with rapidity. Price, per pkt., 10 cts.; per lb., 20 cts.

**Philadelphia Extra Early.** This is, in reality, the same variety as the preceding, but the stock is not selected with as particular care. Price, per pkt., 10 cts.; per lb., 15 cts.

**McLeans' Little Gem.** This is one of the dwarf wrinkled Peas grown; of a delicious flavor, rich and sugary; very early; height, one foot. Price, per pkt., 10 cts.; per lb., 15 cts.

**Daniel O'Rourke.** A popular early sort; hardy and a good bearer, but not as early as the Extra Early; height three feet. Price, per pkt., 10 cts.; per lb., 15 cts.

**Alpha.** A new wrinkled variety, one of the earliest; flavor excellent; height two and one-half feet. Price, per pkt., 10 cts.; per lb., 25 cts.

**Tom Thumb.** Very dwarf; stout and branching; may be cultivated in rows ten inches apart; requires no sticks; height nine inches. Price, per pkt., 10 cts.; per lb., 25 cts.

**McLean's Advancer.** A dwarf; green, wrinkled, marrow, very productive and of excellent flavor. Price, per pkt., 10 cts.; per lb., 25 cts.

LATE OR GENERAL CROP.

**Champion of England.** A standard wrinkled variety of delicious flavor; very popular; one of the best in cultivation. Price, per pkt., 10 cts.; per lb., 15 cts.

**Large White Marrowfat.** A fine large pea; good flavor. Price, per pkt., 10 cts.; per lb., 15 cts.

**Yorkshire Hero.** A very fine large dwarf, wrinkled variety, of good quality, and productive. Price, per pkt., 10 cts.; per lb., 15 cts.

**Tall Sugar.** Edible pods; purple blossom; the pods when very young are used same as snap short beans; eating qualities superb; of extraordinary yielding qualities. Those desiring an edible podded pea should not fail to procure this variety. Height four feet. Price, per pkt., 10 cts.; per lb., 25 cts.

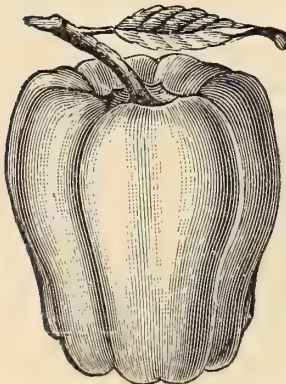
## PEPPERS.

Ger., *Spanischer Pfeffer*—*Beisbeere*. Fr., *Piment*. Sp., *Pimento*. Port., *Pimentoe*—*Pimentao*. Ital., *Pepe*—*Peprone*—*Siliquastro*.

Sow early in hot-bed, or in open ground about the middle of spring. Transplant when three inches high to one foot apart, in drills twenty inches apart, and earth up a little in hoeing, which can be continued until the plants are in full blossom.

**Large Bell, or Bull Nose.** An early variety of mild flavor, fruit large, slightly tapering, and generally terminating in four obtuse, cone-like points. It is a favorite sort, both for pickling and for use in the crude state. Price, per pkt., 10 cts.; per oz., 30 cts.

**Sweet Mountain.** Similar to the preceding in shape and color, but much larger and milder in flavor; used for stuffed pickles. Price, per pkt., 10 cts.; per oz., 30 cents.







**Long Cayenne.** Long, red, hot, and pungent; dwarf growth. Price, per pkt., 10 cts.; per oz., 30 cts.

**Cherry Red.** An exceedingly ornamental variety; red, round, very hot, and a great bearer. Price, per pkt., 10 cts.; per oz., 30 cts.

**Long Red Pointed.** Brilliant scarlet, long, conical pods; very piquant, and are much used for seasoning. Price, per pkt., 10 cts.; per oz., 30 cts.

**Squash, or Tomato-shaped.** Fruit compressed and more or less ribbed; skin smooth and glossy when ripe; color red, flesh thick, mild and pleasant to taste. Price, per pkt., 10 cts.; per oz., 30 cts.



**PUMPKINS.**

Ger., *Grosse Kuchis*. Fr., *Citrouille*. Sp., *Calabaza*.

Pumpkins are usually raised in connection with corn, but will do much better when grown in rich, light soil by themselves. Plant in hills ten feet apart each way. A pound of seed will plant from two to three hundred hills.

**Large Field.** A large, yellow variety, and best for field culture. Very productive, and much used for cooking. This kind is the best for feeding stock. Price, per pkt., 5 cts.; per ¼ lb., 15 cts.; per lb., 40 cts.

**Mammoth.** Grows to a very large size, sometimes weighing two hundred pounds, but is uncertain as to maturing. Price, per pkt., 15 cts.; per oz., 25 cts.; per ¼ lb., 80 cts.; per lb., \$3.00.

**Cushaw (Crooked Neck).** Similar in many respects to the Winter Crookneck Squash; flesh yellow, fine grained and sweet. Price, per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 35 cts.; per lb., \$1.00.

**RADISHES.**

Ger., *Radisund*. Fr., *Radis et Rave*. Sp., *Rabanos and Rabanitos*.



For early crops sow in spring, as soon as the ground can be worked, in light, rich soil; for later crops, a deep, moist soil is preferable. Sow the seed thinly in drills, covering them with about a quarter of an inch of earth. For early use sow on gentle hot-beds.

**New French Breakfast.** Very superior variety; oval, tipped with white; very tender. Price, per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 25 cts.; per lb., 75 cts.

**Rose, Olive-shaped.** Oval, tender and excellent; flesh rose colored. Price, per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 25 cts.; per lb., 75 cts.

**White, Olive-shaped.** Similar to the above, except in color. Price, per pkt., 5 cts.; per oz., 15 cts.; per ¼ lb., 25 cts.; per lb., \$1.00.

**Scarlet, or Red Turnip.** Round; flesh white and tender. Price, per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 25 cts.; per lb., 75 cts.

**White Turnip.** Similar to above, except in color; very tender. Price, per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 25 cts.; per lb., 75 cents.

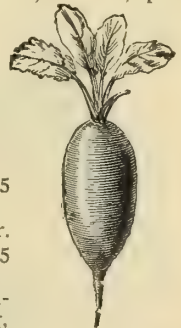
**California Mammoth White Winter** is really a Chinese Radish, grown by the Chinese in California; eight to twelve inches long, and from two to three inches in diameter; white solid and good flavor. Price, per pkt., 10 cts.; per oz., 25 cts.; per ¼ lb., 75 cts.; per lb., \$2.00.

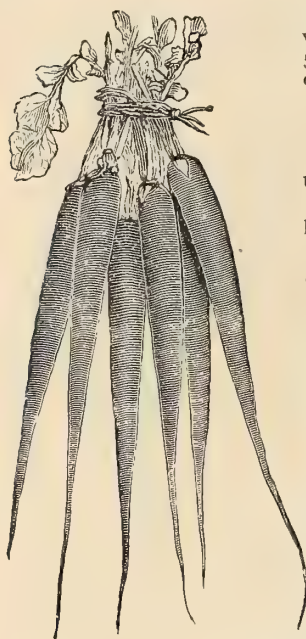
**Chinese Rose Winter.** An excellent winter radish, medium size, fine. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.35.

**Russian White Winter.** A fine white Radish, similar to Chinese Rose, except in color. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.35.

**Black Spanish Winter.** A popular winter variety. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., 75 cts.

**Early Long Scarlet, or Salmon.** Similar to Scarlet Short Top, but more of a salmon color. Price, per pkt., 5 cts.; per oz., 10 cts.; per ¼ lb., 25 cts.; per lb., 75 cents.





**Early Scarlet Short Top.** A popular, long, scarlet variety, six or seven inches in length. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.

## RHUBARB.

Fr., *Rhubarbe.* Sp., *Rubarbo.* Ger., *Rhabarber.*

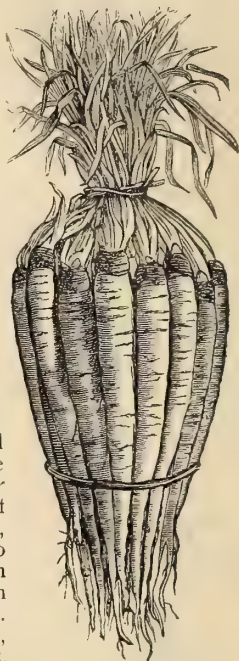
**Victoria.** A large variety, about the best for general use. Price, per pkt., 5 cts.; per oz., 25 cts.

**Linnaeus.** Large, fine flavored variety. Price, per pkt., 5 cts.; per oz., 25 cts.

## SALSIFY, or Vegetable Oyster.

Ger., *Kfermuzel.* Fr., *Salsifis.*  
Sp., *Salsifi.*

This is a vegetable which, when properly prepared, resembles very much in taste and flavor the oyster, from which it derives its name. In growth it is much like the parsnip, having a long, white tapering root with a grassy top. Sow in spring in drills twelve inches apart, and thin out to six inches in the drills. The roots may be allowed to stand out all winter. Price, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 50; per lb., \$1.50.



## SQUASHES.

Ger., *Kuckenkarbis.* Fr., *Giraumon.* Sp., *Calabasa.*

**Essex Hybrid, or Hard-shell Turban.** This new and very excellent squash is a cross between a Hubbard and the American Turban, having the color, shape, and superior qualities of the Turban, with the dryness and hard shell of the Hubbard. The flesh is very thick, rich colored, and solid, having an extremely small cavity for the seeds. It is also one of the most productive squashes ever introduced, often growing in pairs on the same vine, within one foot of each other, and each squash weighing from eight to twelve pounds. It is very early, of quick growth. Seeds of our own saving, per pkt., 5 cts.; per oz., 15 cts.; per  $\frac{1}{4}$  lb., 40 cts.; per lb., \$1.25.



## PERFECT GEM SQUASH.

This new and already popular squash is really a remarkable variety, inasmuch as it is equally desirable either as a summer or winter squash, and possessing the best features of both classes. It is a strong grower and a large yielder, as many as twenty-four squashes having been produced on a single vine. The squashes are from four to six inches in diameter, of a creamy white, with thin, smooth shell, slightly ribbed. The flesh cooked is dry, sweet and rich in flavor, and free from the

strong taste peculiar to the winter sorts. It is a splendid keeper; we have kept them for a whole year in a cool, dry room. Price, per pkt., 10 cts.; per oz., 15 cts.; per lb., \$1.50.

**Early Bush Scollop.** A good early summer squash, taking but little room, and bearing abundantly; plant in hills three feet apart. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.00.

**Early Yellow Bush, Scolloped.** Similar to the preceding, but of a deep orange color. Both varieties are often called "Patty Pan." Price per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.00.





**Butman.** Skin bright green, intermixed with white, thick shell, and thick meated. The flesh is of a lemon color, very smooth and fine grained, dry and sweet. Price per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.50.

**Mammoth Chili.** Size *enormous*, often weighing two hundred, and sometimes three hundred pounds; very profitable for stock feeding, especially where root crops are not grown extensively; remarkably productive. Price per pkt., 10 cts.; per oz., 25 cts.; per lb., \$2.50.

**Boston Marrow.** A popular fall squash; thin skin, bright orange; orange flesh, tender and rich. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.00.

**Golden Summer Crookneck.** A small, crook-necked, summer squash, skin bright yellow, covered with watery excrescences. Very early, productive, and of excellent flavor. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.00.

**Hubbard.** An excellent squash, almost as good as the sweet potato. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$2.00.

**Marblehead.** A very good winter squash, resembling the Hubbard, sometimes quite as good, though more variable. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.35.

**American Turban Squash.** This is decidedly the best of all fall squashes; as good for summer (also fall and early winter) as the Hubbard is for winter. Flesh orange-yellow, thick, fine grained, sugary, and particularly well flavored. This must not be confounded with the showy but worthless French Turban, or Turk's Cap. Price, per pkt., 5 cts.; per oz., 15 cts.; per lb., \$1.15.

**Winter Crookneck.** Of fair quality, very hardy, and a good keeper. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., \$1.00.

## SPINACH.

Fr., *Espinard*. Sp., *Espinac*.

Spinach is a very important vegetable for greens. It requires a deep, rich soil, in order to obtain good spinach. For early spring use, sow seed in the fall, protect during winter by covering with straw or leaves. For summer use sow early in spring, in drills twelve or fifteen inches apart; cover seed one inch deep; when well up, thin to five or six inches in the row. It requires eight or ten pounds of seed to sow an acre.

**New Thick-leaved Round.** Produces large, thick, dark-green leaves, somewhat crumpled, and possesses the valuable quality of standing a long time before running to seed. Price per pkt., 5 cts.; per oz., 10 cts.; per lb., 50 cts.

**Norfolk Savoy-leaved.** The leaves are numerous, succulent, curled, and wrinkled like a Savoy Cabbage. It produces nearly *twice the weight of crop* as the ordinary sorts, and is also the hardiest of all the varieties of spinach. Price per pkt., 5 cts.; per oz., 10 cts.; per lb., 65 cts.

**Bloomsdale Savoy-leaved.** A large, curled, thick-leaved variety, the market gardeners' favorite. Price per pkt., 5 cts.; per oz., 10 cts.; per lb., 65 cts.

**Prickly, or Winter.** Hardy for fall sowing. Price per pkt., 5 cts.; per oz., 10 cts.; per lb., 50 cts.

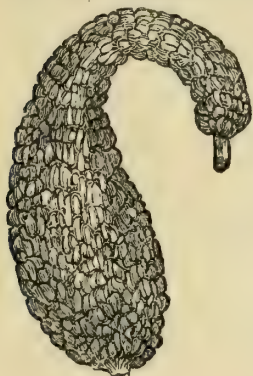
**Large Round Viroflay.** A variety with large, thick leaves, very superior to the ordinary round. Price per pkt., 5 cts.; per oz., 10 cts.; per lb., 60 cts.

## TOMATOES.

Ger., *Liebesapfel*. Fr., *Tomate*. Sp., *Tomate*.

**Acme.** This new tomato is one of the earliest and handsomest varieties yet introduced. The fruit is of a medium size, perfectly smooth, and regular in shape, very solid and a great bearer. Color quite distinct, being a dark red with purplish tinge. Price per pkt., 5 cts.; per oz., 25 cts.; per ¼ lb., 75 cts.; per lb., \$2.50.

**The Trophy.** This, when well grown, is without doubt one of the best tomatoes in cultivation. It is unsurpassed in size, in flavor, in productiveness, and in every other



desirable quality. Our seed is carefully grown for us, and is saved only from perfect specimens, the finest fruits being selected each year for seed. Price per pkt., 5 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**General Grant.** A very superior variety; fruit large, of good quality, and ripens rapidly and thoroughly. Price per pkt., 5 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 65 cts.; per lb., \$2.00.

**Extra Early Red.** One of the earliest; very prolific, fair size, and of excellent quality. Price per pkt., 5 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 65 cts.; per lb., \$2.00.

**Large Smooth Round Red.** The old standard sort; large, smooth, solid, and very productive. An excellent market variety. Price per pkt., 5 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**Large Red California, or Fejee.** Fruit large, light-red or pinkish color; very solid and well flavored; a good late sort. Price per pkt., 5 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**Livingston's Perfection.** This new variety is shaped like the *Acme*, somewhat larger, the same flavor, fully as early, perfectly smooth, solid, almost round, blood-red in color, with more flesh and fewer seeds, ripening all through at the same time. Price per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**Mayflower.** This new variety is one of the earliest of the large kinds in cultivation, at least one-third larger than the *Early Acme*; of a bright red color; ripen evenly up to the stem, and presents a beautiful appearance; shape globular, slightly flattened, perfectly smooth; flesh solid, and unusually free from seeds. Price per pkt., 15 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 85 cts.; per lb., \$3.00.

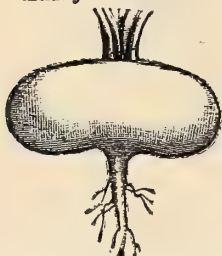
**Canada Victor.** An early variety originating in Canada; fruit solid, and of rich flavor. Price per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 75 cts.; per lb., \$2.50.

**Conqueror.** Of good size, uniform in shape, color deep red; flesh solid, of rich, mild flavor; it ripens well up to the stem, and is exempt from cracking. Price per pkt., 10 cts.; per oz., 25 cts.; per  $\frac{1}{4}$  lb., 85 cts.; per lb., \$3.00.

## TURNIPS.

Ger., *Rube*. Fr., *Navet*. Sp., *Nabocomun*.

**Early White Flat Dutch.** Medium size and early. Of excellent quality while young and tender. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.



**Early White Stone.** Somewhat resembles the White Dutch but more round, stronger foliage and finer texture. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.

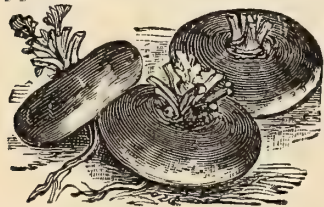
**Purple Top Strap-leaf.** An excellent early variety, large size, and purple color above ground. Flesh fine grained and exceedingly rich. This is the best variety cultivated. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.

**White Norfolk.** A large English variety, somewhat irregular in form, the upper portion of the root sometimes growing four or five inches above ground. Flesh white and cross grained, but sweet. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.

grained, but sweet.

**White Egg.** A valuable new variety of *very rapid* growth; egg-shaped, with thin white skin. Very solid, firm, fine-grained flesh, of sweet, mild flavor. It grows to a good size, and is excellent either as an early or late variety; keeps well. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.

**Purple Top Munich Turnip.** This is emphatically the earliest of the whole turnip family. It resembles every way the common Early Red Top, with the exception that the purple is of a darker and richer color. It can be left rather thicker than Red Top, as the neck is smaller. It is beyond all comparison the variety for early market, and every one of our customers will endorse it as a decided acquisition. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., \$1.00.



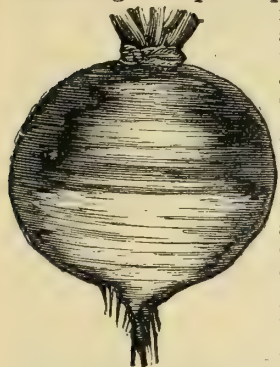
**Large Yellow Globe.** Handsome globular shape; color pale yellow with greenish top. One of the best for a general crop, either for table use or for stock; keeps hard and brittle until late in the Spring. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.

## RUTABAGA, or SWEDISH TURNIP.

The Rutabaga succeeds best in deep, rich, mellow soil, which should be deeply plowed and well pulverized before sowing the seed, which should be in hills or rows eighteen inches apart. A pound of seed is sufficient for an acre.



**Skirving's Purple Top.** The best variety bulb ovoid, surface smooth, with but few fibrous roots. Flesh yellow, of solid texture sweet and well flavored. Under a high state of cultivation, upward of nine hundred bushels have been raised from an acre. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 80 cts.



**Sweet German.** Large, white, sweet, excellent, a first-rate keeper. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 80 cts.

**Long White, or Cow Horn.** Matures very quickly; roots shaped like a carrot, about half of which is formed above ground; flesh white, fine grained and sweet, and of excellent quality for table use. Price per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 75 cts.

**Carter's Imperial Hardy Swede.** An English variety, highly recommended as producing extraordinary crops. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 25 cts.; per lb., 80 cts.

**Cox's Improved Yellow Rutabaga.** This magnificent Swede is the result of judicious selection; it is the hardiest, most productive, and most nutritious variety; it is a large purple top yellow variety; shape slightly oblong, with single tap root, free from coarseness of neck, and for uniformity of crop and keeping qualities is superior to all other Swedes. It produces a very heavy weight per acre, and keeps sound and good until late in the spring; flesh always sweet and rich in flavor. Price, per pkt., 5 cts.; per oz., 10 cts.; per  $\frac{1}{4}$  lb., 35 cts.; per lb., \$1.00.

**Laing's Strap-leaved Improved.** Very early and handsome; yellow flesh; fine for table use. Price, per pkt., 5 cts.; per oz., 10 cts.; per lb., 80 cts.

## —\*— AROMATIC and SWEET \*—\*— HERBS. —\*—

TEN CENTS PER PACKET.

**Basil Sweet** (Ger., *Basilicum*)—Grows naturally in the East Indies. The leaves and small tops are the parts used in soups and sauces, having a strong flavor of cloves. An annual.

**Caraway** (Ger., *Kuemmel*)—Extensively grown in England and other countries of Europe, for various purposes. Its roots are sometimes used for cooking, and is said to equal the parsnip. The seeds are used medicinally. Biennial.

**Chervil** (Ger., *Kerbel*)—A native of Southern Europe. It is used for soups and salads. An annual.

**Coriander** (Ger., *Koriander*)—This plant is from the south of Europe. Its tender leaves are sometimes used for soups and salads. An annual.

**Dill** (Ger., *Dill*)—Is a native of Southern Europe. The leaves are often used for culinary purposes. An annual.

**Fennel** (Ger., *Fenchel*)—It is from the south of Europe, and is of the same nature as Dill. Perennial.

**Lavender** (Ger., *Spiklavendel*)—Is cultivated for its fragrant flowers, which are used for distilling Lavender Water. Leaves and flowers are aromatic. Gather the flowers before they begin to fade. Perennial.

**Marjoram, Sweet** (Ger., *Majoron*)—A native of Portugal. An aromatic, of very sweet flavor. The leaves are used in soups. Biennial.

**Rosemary** (Ger., *Rosmarin*)—A native of the south of Europe. The tops are used only as a medicine.

**Sage** (Ger., *Salbei*)—Has been cultivated from the earliest times, and is well known as possessing many excellent qualities. The leaves are used for seasoning. A perennial.

**Savory-summer** (Ger., *Bohnenkraut*)—A native of Italy. Leaves much used for culinary purposes. If powdered finely, and sealed tightly in glass bottles, will retain their flavor a long time. Annual.

**Sorrel-Broadleaved** (Ger., *Sauerampfer*)—A native of Italy. It is used in soups and salads, and is sometimes cooked as Spinage. Perennial.

**Tansy** (Ger., *Wurmkraut*)—A hardy, perennial plant, the leaves of which have a strong, peculiar, aromatic odor, and a bitter taste.

**Thyme** (Ger., *Thymian*)—Is a native of Greece. It is both a medicinal and a culinary herb. Height six to eight inches. A perennial.

## ❖ FRUIT SEEDS. ❖

**Apple.** (*Pyrus malus*.)—Apple seeds do not reproduce the same varieties, but an inferior, though hardy stock. Upon the stock thus raised from seed are grafted or budded the cuttings of such varieties as are desired. The seed can be planted in good soil, any time during the winter in the South, or early in the spring in the North, in rows eighteen inches apart. During their growth, they should be well cultivated, and kept free from weeds. — When one year's growth has been made, they can be taken up and reset one foot apart in the rows, and the rows three feet apart. Two years' good growth is usually sufficient to make them large enough to graft, and remove to permanent place in the orchard. Price, per lb., 75 cts.

**Cherry, Mahaleb** (*Cerasus mahaleb*.)—The remarks regarding apples are applicable to cherries. This variety is considered the best stock upon which to graft the choicest sorts. Price, per lb., 75 cts.

**Cherry, Mazzard** (*Cerasus communis*)—The common or ordinary variety of cherry is useful alone for grafting purposes. The stock is hardy, and if properly grafted, fine fruit can be relied on. The seed should be planted in the autumn or spring, in rows eighteen inches apart, and the after-culture should be the same as for apples. Price, per lb., 50 cts.

**Pear** (*Pyrus communis*)—Sow the seed thickly in autumn or spring, in drills eighteen inches apart. The soil should be rich—a deep, moist loam is most reliable. The value of the stock depends largely on a rapid and vigorous growth the first season. After making one year's growth, take them up in the autumn, shorten the tap root, and reset them in rows four feet apart, a foot apart in the row. The next season they will be fit to bud or graft, provided they have been well grown. Price, per lb., \$3.00.

**Plum** (*Prunus communis*)—The directions giving for planting apples will also apply to plums, except the pits should be planted farther apart in the row. The varieties raised from seed will be inferior, but hardy, vigorous stocks are thus afforded upon which to graft the choicer sorts. Price, per lb., 40 cts.

**Plum, Myrobalon.** Price, per lb., 60 cts.

**Peach** (*Amygdalus persica*)—Peach stocks are raised by planting the stones two to three inches deep in autumn or winter, or even in the spring, though the fall is better. If the stones are cracked they are more sure to grow. The after treatment is about the same as for apples, though budding can be commenced sooner than the grafting in apple stocks. Price, per lb., 10 cts.; 100 lbs., \$5.00.

**Quince** (*Cydonia communis*)—Quinces generally produce the same variety from seed, but occasionally vary. The stock is much used for budding and grafting the pear. The fruit is used for preserves, pies, tarts, etc. The mucilage from the seed is often used as a toilet article for the hair. The culture from seed is the same as for apples. Price, per lb., \$2.50.

**Apricot.** Used as a stock for apricot and other stone fruits. Culture same as for peach.—Should be budded the first season. Price, per lb., 10 cts.; per 100 lbs., \$5.00.

## Grass and Clover Seeds

By mail, 16 Cents per Pound must be added.

Special rates on large quantities; 25 lbs. at 100 lb. rates. Prices subject to change, write for prices.

**Alfalfa** (*Medicago sativa*)—Alfalfa, a perennial plant, is a species of Lucerne, sometimes called Chili clover, and is one of the most nutritious clovers known, and has excited the liveliest interest among the California stock growers, from its immense yield and perfect fattening qualities. But to be grown successfully, it must have a fine loamy soil, deep and alluvial in its nature, and have bountiful supplies of moisture. It grows continuously.—There is no cessation of growth during any part of the year, though somewhat retarded by cold weather. It is quite within limits to say that there are many tracts of alfalfa land, three years old, in California, which give an annual yield of from twelve to sixteen tons of alfalfa hay to the acre, worth on an average \$6 per ton. It will make four large crops of good hay between May and October. All kinds of stock will feed upon it with avidity. Turkeys and chickens will eat largely of it; hogs will fatten upon it without any other food. It does not thrive well in a compact, clay soil, or in any shallow soil having a clay bottom. There is hardly a State or Territory in the Union where it will not thrive. It is said that a soil which seems to be destitute of vegetable matter, will, when sown with alfalfa, in a few years be converted into a rich black loam, full of vegetable mold. This is of interest in our country, where the land is rich in mineral plant food, but lacking



in vegetable matter. It will grow to a height of nearly nine feet, as has been shown by specimens measuring 106 inches, taken from the ranch of General Shields, of California. It is almost impossible to say how deep the roots will go down, some claiming that they will reach a depth of thirty feet. It is on record however, that in California in 1872, a freshet cut away the bank of a creek, exposing a section of an alfalfa field. The roots had penetrated to a depth of twenty feet, where they had reached the water line. These roots were close together, but entirely disconnected, each one growing straight through the soil to the water, at which point a cluster of roots or feeders were thrown out. A single root, planted in 1862, has been known to grow in sixteen years to a circumference of six and one-half inches, just below the surface of the ground, tapering down to half an inch at a depth of four and one-half feet. Devoid of lateral roots it was one straight thrust down into the soil to where it was broken off, and probably extended as far again below the point of severance. This statement is based on a letter written by Daniel Flint, of Sacramento, who sent the root to the editor of the *Pacific Rural Press* sometime in the year 1878. When properly managed, the number of cattle which can be kept in good condition on an acre of alfalfa, during the whole season, exceeds belief. Twenty to twenty-five pounds of seed per acre. Price, per lb., 20 cts.; per 100 lbs., price on application.

**Perennial Rye Grass** is held in high esteem throughout Europe for pasturage, soiling, and the formation of lawns; in habit somewhat like Orchard Grass, and it is possible that, united on the same meadow, it would be profitable. It ripens early and should be cut when in blossom, making a large return of very nutritious hay, of which stock are very fond.—Is naturally adapted to a variety of soils, but succeeds best on moderately moist land. In a choice mixture for permanent pasture, it would form a valuable adjunct. Sow fifty pounds to the acre. Price per lb., 20 cts.; per 100 lbs., \$11.00.

**Italian Rye Grass** is one of the most valuable grasses in Europe; in England recommended as the best to cut green for soiling, and excellent for grazing. One great merit is its rapidity of growth, which makes it even valuable for one season. It affords repeated large and nutritive crops. When sown with other grasses, but a small quantity of seed should be used, for if too thick it is liable to choke the others out. It grows best in rich, moist meadows. Sow forty to fifty pounds to the acre. Price per lb., 20 cts.; per 100 lbs., \$15.00.

**Timothy** (*Phleum pratense*)—This is decidedly the best grass for hay, making a large return on strong, rich clay of medium state of moisture; though somewhat coarse and hard, especially if allowed to ripen its seed; yet, if cut in the blossom, or directly after, it is relished by all kinds of stock, and especially so by horses, while it possesses a large percentage of nutritive matter in comparison with other agricultural grasses. It grows very readily and yields very large crops on favorable soils. It can never be used effectually as a pasture grass. It will take from twelve to fifteen pounds per acre. Price per lb., 10 cts.; per 100 lbs., \$7.00.

**Red Top** (*Agrostis vulgaris*)—A valuable grass for moist soils. It is a good permanent grass, standing our climate as well as any others, and consequently well suited to our pastures, in which it should be fed close; for, if allowed to grow up to seed, the cattle refuse it. On moist rich soil it will grow two feet, and on poor gravelly soil about half that height. Thirty pounds are sown per acre. Price per lb., 15 cts.; per 100 lbs., \$10.00.

**Orchard Grass** (*Dactylis glomerata*)—This is one of the most valuable and widely known of all pasture grasses, coming early in spring and remaining later in autumn than any other; it grows about two and a half feet high, producing an immense quantity of leaves and foliage. It is well adapted for sowing under trees or orchards, and very valuable either for grazing or for hay. It requires from thirty to forty pounds to sow an acre. Price per lb., 25 cts.; per 100 lbs., \$18.00.

**Kentucky Blue Grass** (*Poa pratensis*)—This grass yields at a very early period of the season, herbage of the most nutritious properties; thrives in moderately dry soils; extensively grown in many parts of the country, but used principally for grass plats and lawns. Sow for lawns fifty to sixty pounds per acre. Price per lb., 25 cts.; per 100 lbs., \$16.00.

**Australian Rye Grass** (*Lolium Perenne*)—Very nutritious, and valuable for permanent pastures. Fifty to seventy-five pounds of seed per acre, when used alone. Price per lb., 20 cts.; per 100 lbs., \$11.00.

**Common Millet** (*Panicum miliaceum*)—Requires a dry, light, rich soil, and grows two and a half feet to four feet high, with a bulk of stocks and leaves, and is excellent for forage. Sow in drills or broadcast, from May 1st to June 20th, if for seed; or until the last of July if for hay. For grain, sow in drills; use fifteen to twenty pounds per acre. If for hay, sow broadcast twenty-five to thirty pounds. Price per lb., 10 cts.; per 100 lbs., \$8.00.

**Hungarian Grass** (*Panicum germanicum*)—A valuable forage plant. Succeeds well on dry, light soil; withstands the drought remarkably, remaining green when

every other vegetation is parched up; and if its development is arrested by dry weather, the least rain will restore it to vigor. Sow broadcast at the rate of twenty to thirty pounds to the acre, and cultivate the same as Millet. Price per lb., 10 cts.; per 100 lbs., \$8.00.

**Bermuda Grass.** The true variety of the Southern Bermuda Grass; from two to four pounds per acre. Price per lb., \$4.00.

**Egyptian, or Pearl Millet** (*Penicillaria spicata*)—This is perhaps the most wonderful forage plant that has ever been introduced. The *Rural New Yorker* publishes its experience with pearl millet on its trial grounds. From a single seed fifty-two stocks were produced, weighing forty-two and a half pounds. The highest stock was ten feet one inch, and the circumference of the plant was thirteen feet nine inches, three feet from the ground. Several plants were cut August 1st, and the subsequent growth was nine pounds per plant, making over fifty pounds of green fodder from a single seed. When the plant first comes up, the stems are prostrate, but assume an upright position when two feet long. Stock eat it with great avidity. It can be cut three or four times, sprouting readily and growing rapidly after each cutting. It is probably fully equal to sweet corn for fodder, and will yield five times the quantity on the same ground. We hope all our farmers will give it a trial. It should be sown in drills, dropping about two or three seeds two feet apart in the drill; the drills should be three feet apart, as plenty of room is required for its growth. Four pounds of seed is sufficient for an acre. Price, per lb., 40 cts.

**German Millet.**—The farmers and stockbreeders of this country have long been on the lookout for the "good forage plant," something to fall back upon in an emergency, when the hay crop is likely to fail. For this purpose we believe nothing has at yet been found which will compare with pure German Millet. It will grow almost in any climate, in wet or dry, rich or poor land; never falls down; ripens gradually, which gives ample time to harvest it; can be cut with a mower and stacked as hay, or with a reaper and bound as wheat or oats; will yield from two to four tons of good hay, and forty to seventy-five bushels of seed to the acre, and requires about sixty days to perfect a crop. It will grow from four to nine feet high; a blade resembling that of young corn comes out alternately about every five inches on the stock. When well matured, the stalks are soft and readily eaten by all kinds of stock. The seeds are no less valuable than the hay, as they are readily consumed by horses, sheep and fowls. Twenty-five to thirty-five pounds will sow one acre. Price, per lb., 10 cts.; per 100 lbs., \$8.00.

**Mesquite** (*Holcus lanatus*)—Valuable on the cleared redwood and pine lands of California and Oregon, giving large crops of hay and good pasture, but not considered so nutritious as some other grasses. Thirty-five pounds to the acre. Price, per lb., 20 cts.; per 100 lbs., \$12.00.

**Sweet-scented Vernal Grass.**—This is one of the earliest spring grasses, as well as one of the latest in autumn, and is also the only grass which is fragrant. It is principally sown in connection with other grasses, in mixtures, for pastures, lawns, etc. Price, per lb., 65 cts.

**Red Clover.**—This invaluable plant may justly be placed at the head of the list. By its judicious use, lands, which have been exhausted by too severe a course of cropping, may be brought back to their pristine fertility, and fresher and inexhausted fields preserved in undiminished vigor. It succeeds on any soil of moderate fertility, if sufficiently dry; may be sown in autumn or winter at the South, or in the North upon the snow, immediately previous to its disappearance, by which the seed is distributed with regularity, and carried down into the crevices of the soil. A dressing of one bushel of gypsum per acre will immensely increase the clover crop. From fifteen to twenty pounds of good seed is required for an acre, more being necessary on old or stiff soils than on new and lighter ones. Price, per lb., 20 cts.; per 100 lbs., \$14.00.

**White Dutch Clover.**—An excellent pasturage grass, forming, in conjunction with the Kentucky Blue Grass, the finest and most nutritious food for sheep and cows. Its flowers are also a favorite resort for the Honey Bee. It succeeds on all rich, clayey lands, if not too wet. Sow ten pounds per acre. Price, per lb., 40 cts.

**Alsike, or Swedish Clover** (*Trifolium hybrida*)—The most hardy of clovers. It resists the severest cold and extremes of drought and wet, yields large crops of superior hay, and may be cut several times in a season on rich soils. It produces superior pasturage, much liked by cattle. It is well suited to sowing on lands liable to wash, as its long, fibrous roots spread over a wide area, and so interlace and hold the soil as to resist the heaviest rains. Can be planted on any soil; stalk fine and palatable. Its blossom heads are round, somewhat resembling white clover in shape; flesh colored; very sweet and fragrant, being much liked by bees. It seeds freely and is easily threshed. The seeds are fine and require only about four pounds per acre. Sow in spring or fall. Price, per lb., 40 cts.

**Arabian Evergreen Millet.**—Sorghum Halapense, "Johnson Grass," also sometimes called Green Valley Grass, and *Panicum Spectabilis*. It is claimed that it is the



most valuable forage plant known, taking into consideration its adaptability to all kinds of soil and climate, and its resistance to drought. It will thrive for months without moisture, which makes it especially adapted to the dry plains or *mesas* of California, or wherever there is but little rainfall. The best time to sow the seed is late in the fall and during the winter, any time before hot weather. Prepare the ground the same as for timothy or any other grass; sow broadcast ten to fifteen pounds of seed to the acre; the seeds are small; don't cover them too deep. Seed, 50 cts. per lb., by mail.

## CALIFORNIA TREE AND SHRUB SEEDS.

**Abies Douglassi** (Douglas Spruce).—A very large and important timber tree, 200 to 300 feet high, of pyramidal shape. Found throughout the Rocky Mountains from Oregon to Mexico. Very hardy. Price per oz., 50 cts.; per lb., \$5.00.

**Abies Mertensiana** (*Tsuga M.*, Hemlock Spruce).—A very large tree, 150 to 200 feet high with rather thick, red-brown bark. Very hardy, ranging from California far into Alaska. Price per oz., 75 cts.; per lb., \$6.00.

**Abies Menziesii** (*Picea Sitchensis*).—Peculiar to the northern coast, mostly in wet sandy soil, near the mouth of streams; probably the tallest spruce known; an excellent timber tree; pyramidal in form. Very hardy. Price per oz., 75 cts.; per lb., \$6.00.

**Cupressus Goveniana** (Goven's Cypress).—Thirty to forty feet high; very ornamental; found in the coast ranges of Monterey. Price per oz., 60 cts.; per lb., \$6.00.

**Cupressus Macrocarpa** (Monterey Cypress).—A tree forty to sixty feet high, with rough bark, spreading horizontal branches, with rich green foliage; very ornamental for lawns or parks; also used extensively for hedges. Price per oz., 30 cts.; per lb., \$1.50.

**Cupressus McNabiana** (McNab's Cypress).—A small tree six to ten feet high, found about Mt. Shasta at 5,000 feet altitude. The leaves are small and of a deep green. Price per oz., 40 cts.; per lb., \$3.00.

**Cupressus Lawsoniana** (Lawson's Cypress).—A handsome tree found in moist grounds in the Shasta Mountains and in the Coast Range of Oregon. The wood is white, fragrant, fine and close grained, free from knots, easily worked and very durable, also known as Oregon Cedar, White Cedar, and Ginger Pine. Price, per oz., 50 cts.; per lb., \$4.00.

**Libocedrus Decurrens** (*Thuja Craigiana*).—Found in the Coast Ranges from Oregon to San Diego; grows from 100 to 150 feet high; fine, hardy timber tree; known as the White Cedar of California. Price, per oz., 50 cts.; per lb., \$3.00.

**Picea Amabilis** (Silver Fir).—Tall, symmetrical, valuable, timber tree. Price, per oz., 60 cts.; per lb., \$5.00.

**Picea Granlis** (Western Balsam Fir).—Grows 200 to 300 feet high, four to six feet in diameter; grows rapidly in rich, moist soils; valuable timber tree. Price, per oz., 60 cts.; per lb., \$5.00.

**Picea Nobilis** (California Red Fir).—A magnificent tree with thick, brown bark, making fine timber; forms large forest about the base of Mount Shasta; timber said to be better than that of other firs. Price, per oz., 60 cts.; per lb., \$5.00.

**Picea Magnifica**.—200 to 250 feet high. The Red Fir of the Sierras, found at an altitude of 7,000 feet. Very hardy. Price, per oz., 70 cts.; per lb., \$6.00.

**Picea Cancolor** (*Abies Lasiocarpa*).—A very ornamental tree; 100 to 200 feet high; very common throughout the Sierras, ranging into Oregon; also found in Arizona, Utah, and Colorado. Price, per oz., 70 cts.; per lb., \$5.00.

**Pinus Benthiana**.—A magnificent tree; grows from 200 to 300 feet high; fine timber. Very hardy. Price, per oz., 60 cts.; per lb., \$6.00.

**Pinus Coulteri** (Great Coned Pine).—Found in the Coast Ranges from Mt. Diablo to the southern part of this State. Price, per oz., 50 cts.; per lb., \$3.50.

**Pinus Contorta**.—A low tree, five to fifteen feet high, found on the wet sandy coast of the Pacific, from Mendocino to Alaska. Very hardy. Price, per oz., 70 cts.; per lb., \$5.00.

**Pinus Fremontiana** (*Pinus Monophylla*).—A small tree, twenty to twenty-five feet high; frequent in the Coast Ranges, through Nevada, Arizona, and Utah; well known as the Nut Pine. Price, per oz., 50 cts.; per lb., \$3.00.

**Pinus Insignis** (Monterey Pine).—A very ornamental tree for parks or lawns; grows from sixty to seventy feet high, of rapid growth, and has beautiful green foliage. Price, per oz., 30 cts.; per lb., \$2.50.

**Pinus Jeffreyi**.—A magnificent tree, from 100 to 200 feet high; usually found on our mountains at an elevation of 5,000 feet, ranging from California to Oregon. Very hardy. Price, per oz., 35 cts., per lb., \$3.50.

**Pinus Lambertiana** (Sugar Pine).—A hardy tree of gigantic dimensions, from 250 to 300 feet high and from fifteen to twenty feet thick, with light-brown, smoothish bark; found on both slopes of the Sierras. The wood is like that of the White Pine. Price, per oz., 30 cts.; per lb., \$3.00.

**Pinus Monticola.**—From sixty to eighty feet high, and about three feet in diameter at the base. Found at an altitude from 7,000 to 10,000 feet, known as the White Pine of the Trinity Mountains, California, ranging as far north as Washington Territory. Price, per oz., 60 cts.; per lb., \$6.00.

**Pinus Muricata.**—Attains a height of from twenty-five to fifty feet. A rather slender tree. Found near the coast, where it is exposed to the sea winds and fogs. Price, per oz., 60 cts.; per lb., \$6.00.

**Pinus Parryana.** A small tree, twenty to thirty feet high, found in the vicinity of San Diego, at an altitude of 2,000 feet. Price, per oz., 70 cts.; per lb., \$5.00.

**Pinus Ponderosa** (Yellow Pine)—One of the largest pines known; 200 to 300 feet high and twelve to fifteen feet in diameter, with very thick red brown bark. Found in the Coast Ranges, on the highest points. Very hardy. Price, per oz., 40 cts.; per lb., \$4.00.

**Pinus Sabiniana** (Nut Pine)—Abundant over the dry and hot hills of the Coast Ranges, in the Sacramento Valley, and on the foothills of the Sierra Mountains. Hardy. Price, per oz., 30 cts.; per lb., \$2.00.

**Pinus Torreyana.** A small tree, generally crooked, twenty to thirty feet high, found on the southern coast, in the vicinity of San Diego. Seeds large and edible. Price, per oz., 40 cts.; per lb., \$4.00.

**Pinus Tuberculata** (California Scrub Pine)—A small crooked tree, often found full of cones when only two or three feet high. Price, per oz., 60 cts.; per lb., \$5.00.

**Sequoia gigantea** (*Wellingtonia gigantea*) — The mammoth tree of California. This is the largest tree known to exist on the American Continent. The bark is from one to two feet thick. One of the largest trees (the so-called Grizzly Giant of the Mariposa Grove) is ninety-three feet in circumference at the ground. Price, per oz., 70 cts.; per lb., \$7.00.

**Sequoia sempervirens.** Universally known as the "Redwood." The most valuable timber of the California forests; from 200 to 250 feet high, and from eight to twelve feet in diameter. The wood is of a rich brownish red, light, but strong and durable, making excellent timber. Hardy. Price, per oz., 50 cts.; per lb., \$3.00.

**Thuja gigantea** (Giant Arbor Vitæ)—A tall, graceful tree, 200 to 250 feet high, three to twelve feet thick; pyramidal form, with spreading and somewhat drooping branches; frequent in the coast ranges of Oregon. The wood is soft, fine-grained, and of light color. Price, per oz., 80 cts.; per lb., \$7.00.

**Torreya Californica** (California Nutmeg)—Found in the Coast Ranges and Sierra Nevada Mountain districts, but not abundant. Grows to the height of 60 feet; the wood is light colored, close-grained, and small branches being reddish. Price, per oz., 35 cts.; per lb., \$2.00.

**Arctostaphylos** (*Pungens Manzanita*). Price, per oz., 50 cts.; per lb., \$2.00.

**Arctostaphylos** (*glauca*)—Great berried Manzanita. Price, per oz., 50 cts.; per lb., \$2.00.

**Oreodaphne Californica** (Mountain Laurel. Spice Tree)—A handsome shrub or tree, twenty to seventy feet high, the timber very handsome and valuable, much used for ornamental wainscoting and finishing. Price, per oz., 25 cts.; per lb., \$2.00.

**Negundo Californicum** (Box Elder)—Usually a small tree, sometimes reaching a height of seventy feet. Price, per oz., 75 cts.; per lb., \$1.50.

**Acer circinatum** (Vine Maple)—A shrub or small tree from northern California and Oregon. Hardy. Price, per oz., 30 cts.; per lb., \$3.00.

**Acer glabrum** (Maple)—Usually a shrub, but sometimes a smaller tree, thirty to forty feet high. Price, per oz., 30 cts.; per lb., \$4.00.

**Acer macropylum** (Maple)—A tree, fifty to ninety feet high, from coast ranges in California. The wood is white, hard, and takes a fine polish. Price, per oz., 25 cts.; per lb., \$4.00.

**Cornus Nuttalli** (Dogwood)—A showy tree, or large shrub, flowering in May, the flowers followed by large clusters of crimson berries, and much resembling the Eastern *C. floida*, and apparently even more worthy of cultivation. Wood close-grained and very hard. Price, per oz., 50 cts.; per lb., \$5.00.

**Azalea occidentalis.** Charming California Azalea, the great ornament of the wooded districts. Flowers two and a half to three inches long, white shades, pink variegated by a pale yellow band. Price, per pkt., 25 cts.

**Cupressus Guadalupensis**, the blue Cypress of Guadalupe Island, rare and beautiful. Price, per pkt., 25 cts., per oz., \$1.00.

**Nolina Parryi.** A hardy ornamental plant, trunk three to six feet high, leaves narrow, three to four feet long; producing a stout flowering stem with numerous small white flowers. Price, per pkt., 50 cts.; per oz., \$2.00.

**Garrya Elliptica.** A beautiful California Evergreen shrub, flowering in winter and early spring, presenting a very ornamental appearance. Hardy. Price, per pkt., 25 cts.; per oz., \$1.00.



## AUSTRALIAN TREE AND SHRUB SEEDS

PRICE, PER PACKET, 25 CENTS.

**Eucalyptus Globulus** (Blue Gum) — A very rapid growing tree, making valuable timber; height 200 feet. Price, per oz., 50 cts.; per lb., \$6.00.

**Eucalyptus Rostrata** — Red Gum. Price, per oz., 50 cts.; per lb., \$7.00.

**Eucalyptus Siderophloia**—Iron-Bark Gum. Price, per oz., \$1.00.

**Eucalyptus Amygdalina**. Messmate, or almond-leave stringy bark.

**Eucalyptus Piperita**, Peppermint Gum

“ **Obliqua**—Stringy bark.

“ **Marginata**—Mahogany Gum.

“ **Amygdalina var. regnans**.

“ **Mellodora**—Yellow Box.

“ **Haemastoma**—White Gum.

“ **Pilularis**—Blackbutt.

“ **Calophylla**—Red Gum of West Australia.

“ **Goniocalyx**, Spotted Gum.

“ **Hemiphloia**—White Box.

“ **Cornuta**—Teit Tree.

“ **Diversicolor** — Blue Gum of West Australia.

“ **Stricta**.

“ **Stuartiana**—Swamp Gum.

“ **Eugenoides**.

“ **Gunnii**—Cider Tree.

“ **Macrorrhyncha**.

“ **Betryoides**.

**Acacia Decurrens** — Black Wattle. Per oz., 50 cts.; per lb., \$5.00.

**Acacia Melanoxylon** — Lightwood. Per oz., 50 cts.

**Acacia Mollissima**. Per oz., 50 cts.

**Acacia Pyenantha**—Golden Wattle. Per oz., 50 cts.; per lb., \$5.00.

**Acacia Floribunda**. Per oz., 50 cts.

**Acacia Lopantha** — Crested Wattle. Per oz., 25 cts.; per lb., \$2.00.

**Dracena Indivisa**.—A very desirable tree for a garden or a lawn; of graceful habit; makes rapid growth, very hardy; native of New Zealand. Price, per oz., 30 cts.; per lb., \$4.00.

**Grevillea Robusta**.—Silk Oak of East Australia; beautiful fern-like foliage; attains a height of 100 feet; withstands drought; of rapid growth, and flowers when about twenty feet in height; then it is a sight worth seeing, covered from top to bottom with bright orange scarlet flowers. Price, per pkt., 50 cts.; per oz., \$1.50.

**Pittosporum eugenoides, nigrescens, and undulatum**. — These *pittosporums* are valuable evergreens; an ornamental shrub or tree from Southern Australia. Price, each, per pkt., 25 cts.; per oz., \$1.

## JAPAN TREE AND SHRUB SEEDS.

**Abies Firma**, pkt., 50 cts.; oz., \$3.00.

“ **Homolepis**, “ 50 “ “ \$4.00.

“ **Marusi**, “ 50 “ “ \$4.00.

“ **Voitchii**, “ 50 “ “ \$4.00.

“ **Yezoensis**, “ 50 “ “ \$4.00.

**Chamaeciparis pisifera**, pkt., 50 cts.; oz., \$6.00.

**Chamaeciparis obtusa**, pkt., 50 cts.; oz., \$6.00.

**Camellia Japonica**, pkt., 25 cts.; oz., 50 cents.

**Cinnamomum Camphora** (Camphor Tree)—Per oz., 25 cts.; per lb. \$1.00.

**Cinnamomum sericum** (Cinnamon Tree)—Per pkt., 25 cts.; per oz., 50 cts.

**Magnolia Hypoleuca**. Per pkt., 25 cts.; per oz., \$1.50.

**Magnolia Kobus**. Per pkt., 25 cts.; per oz., \$1.50.

**Pinus Massoniana**. Per pkt., 25 cts.; per oz., \$2.00.

**Pinus Densiflora**. Per pkt., 25 cts.; per oz., \$2.00.

**Rosa Rugosa**. Per pkt., 50 cts.

**Sciadopytis Verticillata** (Umbrella Pine)—Per pkt., 50 cts.

**Cydonia Japonica** (Scarlet flowering Quince)—Per pkt., 50 cts.

**Aucuba Japonica**. Variegated foliage, hardy. Price, per pkt., 25 cts.

**Nandina Domestica**, per pkt., 25 cts.

**Skimmia Japonica**, per pkt., 25 cts.

**Hovenia Dulcis**. Sweet scented flower. Price, per pkt., 25 cts.

## MISCELLANEOUS TREE SEEDS.

**White Ash** (*F. Americana*)—This is one of the most valuable varieties for forest planting. It is adapted to a wide range of soil and climate. Its growth is extremely rapid, often attaining a growth of six feet in a single season. Its lumber brings a high price in the market and is becoming very scarce. It is one of the easiest varieties to transplant or grow from seed, requiring no more care or skill than an ordinary crop of white beans or Indian corn, with the exception that the seed usually lies dormant the first season, but is sure to grow the next year if the ground is not disturbed. Price, per oz., 30 cts.; per lb., \$3.00.

**White Elm** (*U. Americana*)—This variety excels all others in size and rapidity of growth, and is noted for the magnificence of its form and foliage. Trees of this variety from six to seven feet in diameter and 130 feet high are common in the forests of Northern Michigan. The lumber is valuable, being nearly equal to that from Rock Elm, for most uses. A great favorite for street planting. Price, per oz., 60 cts.

**Yellow or Black Locust** (*Robinia Pseudocacia*)—This variety is noted for its rapid growth of hard and durable timber. It is hardy and succeeds well in many parts of the country, while in some localities it proves a failure. It is worthy of a trial in any locality where it has not already been tested. Price, per oz., 10 cts.; per lb., 60 cts.

**Honey Locust** (*Gleditschia triacanthos*)—This is a large and handsome tree; the trunk and branches generally beset with long and formidable spines, on which account it has been employed as a hedge plant. The wood is heavy and affords excellent fuel, but is not considered durable as a timber. Price, per oz., 10 cts.; per lb., 60 cts.

**Mulberry, Russian.** The Mennonite colonists from Russia who settled in Kansas, Nebraska and other Northwestern States, fifteen or twenty years ago, brought with them trees and seeds of some of their most valued fruits and plants, among them the Russian Mulberry (*Morus alba var.: Moretti*). In Europe this tree is valued for its fruit, for its timber, which makes valuable posts and stakes, and also being hard, elastic, close grained and susceptible of a fine polish, is used largely in the arts and cabinet work. The Mulberry is also used for hedges, and the leaves for food for silk worms. Although the plant has no thorns, the branches, after being frequently sheared, form a close, compact barrier that is almost impassible. Many miles of useful hedge is now in existence on the Western prairies, and additional lines are annually planted. The berries, which are often more than an inch long, and one-half inch or more in diameter, vary in color from jet black to light red. They are more acid and sprightly than our American Mulberries, and the fruit is highly prized by the Russians, being used for dessert or cooked in various ways; large quantities are also made into wine. The berries were in great request the past season at twenty cents per quart. Americans in the West, where the bearing trees are abundant, say that the fruit increases in size as the trees become older. The tree is propagated either from seeds or cuttings. Price, 60 cts. per oz.

**Catalpa Speciosa.** Hardy Catalpa; noted for its extremely rapid growth of hard and durable timber; also highly prized as an ornamental tree, on account of the size and beauty of its bloom and the magnificent appearance of the tree. The foliage, flowers and seed pods are very much larger than the common kind. The flowers are large, bell-shaped, nearly white, and often quite fragrant. The flower panicles are immensely large, a tree in bloom being a mammoth pyramidal bouquet. Price, per oz., 25 cts.; per lb., \$2.00.

**Schinus molle** (Pepper tree)—A handsome ornamental evergreen tree of graceful habit; light green foliage, and bright scarlet berries; a desirable tree for parks and lawns. Price, per oz., 25 cts.; per lb., \$3.00.

**Osage Orange** (*Maclura aurantiaca*)—The Osage Orange is a native of Texas, but can be grown and cultivated advantageously in all parts of the United States. The ground should be thoroughly pulverized, by either plowing or spading before the seed is planted. The surest way is to sprout the seed before planting, as it is very hard to germinate when put into the ground without being sprouted; sometimes taking a whole season to come up. To sprout the seed, put it in a vessel and cover with warm, not hot water. Keep the vessel in a warm place, and change the water once a day. Let the seed soak from five to ten days, after which pour off the water and cover the vessel with a damp cloth. Keep in a warm room, and stir the seed occasionally, in about one week more they will begin to sprout, and are ready for planting. The seed should be sown in the spring, either in April or May, in drills, eighteen to twenty inches apart, with twelve good seeds to the foot in the drills. Price, per lb., 50 cts.

**Magnolia Grandiflora.**—A very popular flowering evergreen tree; large, white fragrant flowers. Price, per oz., 50 cts.; per lb., \$4.00.

**Larch European** (*Larix Europæa*)—This variety is of great value for forest planting and is being extensively grown in the United States. It is easily transplanted if handled while dormant, but as it starts very early in the spring it is best to transplant it in the fall or procure the seed and sow where wanted. Price, per oz., 15 cts.; per lb., \$2.00.

**Thuja orientalis** (*Chinese Arbor Vitæ*)—From China and Japan. A small, elegant tree, with erect branches, and dense, flat, light green foliage; becomes brown in winter. Price, per oz., 50 cts.; per lb., \$4.00.

**Thuja aurea** (*Golden Arbor Vitæ*)—A variety of the Chinese, nearly spherical in outline, and with bright yellow tinged foliage. Price, per oz., 75 cts.; per lb., \$7.00.

**Calycanthus Floridus** (Carolina Spice Shrub); very desirable species, growing from six to eight feet high, with double purple brown flowers, and very fragrant. Price, per oz., 25 cts.; per lb., \$2.50.



# ✿ FLOWER ✿ SEED ✿ DEPARTMENT ✿

## REMARKS ON THE CULTIVATION OF FLOWERS.

Annual flowers are among the most beautiful ornaments of the garden; their richness of coloring, the graceful beauty of form, and the delicate fragrance of many of them, their great variety, the long time they remain in bloom, together with their comparative inexpensiveness, render them worthy of cultivation in every flower garden.

The term "annual" is applied to plants which are sown in the spring, flower the same year (some perennials flower the same year that they are sown, and are treated as annuals), mature their seeds, and then perish. Annuals are divided, according to their hardiness, into three classes, viz: Hardy, Half-hardy, and Tender. Hardy annuals may be sown in the open air, during the month of May, or occasionally in the fall, as they will bear considerable frost. Half-hardy annuals may also be sown in May, or early in June. Tender annuals require to be sown and brought forward in a hot-bed. Almost all annuals that will bear transplanting are better started in a gentle hot-bed; but as many of the most showy and beautiful, such as *Bartonia Aurea*, *Calandrina*, *Grandiflora*, the different varieties of *Candytuft*, *Convolvulus Minor* and *Major*, varieties of *Larkspurs*, *Lupins*, *Mignonettes*, *Sweet Peas*, etc., are impatient of removal, they should be sown where they are to remain; and some that require rather a long season for their development may be sown in pots, two or three seeds in each, as they can be turned out of the pots without checking their growth.

When a hot-bed cannot conveniently be had to sow the seeds in, a nursery-bed may be prepared in the open air. For this purpose choose a dry, sheltered spot, facing the south or east, mark out the ground required, and dig into it some good, old, well-rotted manure, mixing it thoroughly with the soil, rake the surface perfectly smooth, and sow the seeds in rows, placing a label at the end of each row, bearing the name of the flower and the date of sowing. Immediately after sowing, if the ground is dry, water the bed gently. When the plants are large enough to handle, thin them out; if allowed to grow too thickly, they become spindly and weak, and will not bear transplanting.

Biennials flower the second, and sometimes the first year from seed, and then they perish; consequently they should be sown every year to keep up the succession of bloom.

Perennials generally flower the second year from the time of sowing, remain in the ground and continue to flower for several years.

Biennials and perennials should be sown in the open ground in a nursery-bed in May or June, and transplanted to the place where they are to remain early in the fall, so that they may be fully established before winter sets in.

The time of sowing flower seeds is of the greatest importance. If they are sown too early, or when the ground is cold and wet, they are apt to perish, so that it would be better to wait till all danger of frost is past and the weather mild. Choose a dry day for sowing.

The mode of sowing is also of importance; many people sow their seed too deep, and in ill-prepared soil. The depth at which seed should be sown varies with their size. Large seeds, such as *Lupins*, *Sweet Peas*, *Gourds*, *Marvel of Peru*, *Morning Glory*, *Convolvulus*, *Canna*, *Nasturtium*, *Sunflower*, *Scabiosa*, etc., may be sown from a half to three-quarters of an inch deep. *Asters*, *Balsams*, *Candytuft*, *Helichrysum*, *Escholtzia*, *Hedysarum*, *Hollyhock*, *Cypress Vine*, *Larkspur*, *Marigold*, *Mignonette*, *Nemophila*, *Phlox Drummondii*, *Stocks*, *Verbenas*, *Zinnias*, etc., may be sown from an eighth to a quarter of an inch in depth. *Ageratum*, *Amaranthus*, *Antirrhinum*, *Carnation*, *Clarkia*, *Coreopsis*, *Daisy*, *Forget-me-not*, *Jacoea*, *Maurandya*, *Catchfly*, *Viscaria* and a great many others require to be merely covered. Some others, *Calceolaria*, *Lobelia*, *Oxalis*, *Petunia*, *Portulaca*, etc., should be sown on the surface of the earth, pressed lightly in, and shaded from the sun for a few days till the young plants come up. Some seeds, which have a woolly covering, as *Acroclinium*, *Globe Amaranth*, etc., should have it rubbed off before sowing. Some, as *Sweet Peas*, *Lupins*, *Nasturtium*, should be steeped in warm water for a few hours before planting.

As the strength and beauty of the plants, and their capability to produce both a profuse and prolonged bloom, will depend upon the richness of the soil, and the manner of preparing it to receive the young plants, the greatest care should be taken to prepare it in the most thorough manner; therefore dig deeply, and work in plenty of well-rotted manure and a liberal supply of loaf-mold, when it can be procured. In digging, use a fork in preference to a spade; it will pulverize the ground better; and never, on any account, work it in wet weather; if worked while wet, it becomes hard and cloggy, and it may take the greater part of the season to get it in good condition again. After the plants have made sufficient growth they should be transplanted into

the borders where they are to remain. For this purpose, choose a dull showery day, if possible; or if in dry weather, let it be done in the evening; and water immediately after planting. When the plants are established, they will require no other care than the tying up of the taller growing sorts to stakes, to prevent the rain and wind from beating them down and injuring them.



ABUTILON.

**Abutilon.** Fine mixed, of above shades, two to six feet. Price, per pkt., 25 cts.

### ACROCLINIUM.

One of the best of the everlasting flowers, and very extensively used for winter bouquets. Annual.

**Acroclinium Roseum**, bright rose. Price, per pkt., 5 cts.

**Acroclinium Alba**, pure white. Price, per pkt., 5 cts.

### AGERATUM.

Splendid plants for large clumps or masses. Flowers are fine for bouquets. Hardy annual.

**Ageratum Mexicanum**, blue; one and one-half feet. Per pkt., 5 cts.

**Ageratum Mexicanum alba**, white; one and one-half feet. Price, per pkt., 5 cts.

**Ageratum Mexicanum**, mixed. Per pkt., 5 cts.

" **Imperial Dwarf**, a delicate blue.

Price per pkt., 10 cts.

### AGROSTEMMA, Crown of the Field.

Hardy herbaceous plants; free flowering and attractive.

**Agrostemma**, fine mixed varieties, one foot. Price, per pkt., 5 cts.

### ALONSOA, Mask Flower.

Flowering all summer, this pretty annual makes one of the most desirable bedding plants that can be grown. Half-hardy annuals.

**Alonsoa Grandiflora**. Bright scarlet; one and one-half feet. Per pkt., 10 cts.

### ADONIS.

A plant with very pretty foliage and brilliant flowers. Hardy annual.

**Adonis aestivalis**, scarlet; one foot. Price, per pkt., 5 cts.



ACROCLINIUM.



ALYSSUM.

A very pretty little plant for edging or rock-work; flowers are fine for bouquets. Hardy annual.

**Alyssum Sweet**, white, fragrant; six inches. Price, per pkt., 5 cts.

**Alyssum Saxatile**, golden yellow blossoms; ten inches high. Per pkt., 10 cts.

ADLUMIA, Mountain Fringe, Alleghany Vine.

A beautiful, hardy, climbing plant, of graceful habit. Hardy annual.

**Adlumia cirrhosa**, fifteen feet. Price, per pkt., 10 cts.



AMARANTHUS.

Ornamental foliage plants, of an extremely graceful character, always producing a fine effect. Half-hardy annual.

**Amaranthus Caudatus (Love Lies Bleeding)**. — Price, per pkt., 5 cts.

**Amaranthus Cruentus (Prince's Father)**. — Per pkt., 5c.

**Amaranthus Tricolor (Joseph's Coat)**, very fine. Price, per pkt., 5 cts.

**Amaranthus Salicifolius**, one of the finest. Per pkt., 10c.

ARGEMONE, Prickly Poppy.

Very showy plants, with large, poppy-like flowers. Hardy annuals.

**Argemone Grandiflora**. White, very handsome; two feet. Price, per pkt., 5 cts.

**Argemone Mexicana** ("Infernal or Devil's Fig" of the Spaniards). Yellow; two feet. Price, per pkt., 5 cts.

ARISTOLOCHIA, Dutchman's Pipe.

A quick-growing climber, attaining a height of thirty feet, with large heart-shaped foliage, and whose specific name, *Sipho*, was given on account of the singular formation of its flowers, which are curved like a siphon; it is however, more widely known under its rather vulgar name of Dutchman's Pipe. Hardy perennial.

**Aristolochia Sipho**. Price, per pkt., 10 cts.

ARMERIA, Thrift, (Sea Pink.)

A very hardy plant; very largely used for edging; plant compact and beautiful. Hardy perennial.

**Armeria Maritima**. Rosy pink; one-half foot. Price, per pkt. 10 cts.

ASPERULA, Wood Ruff.

A profuse blooming, hardy plant; fine for bouquets. Growing less than a foot in height; flowers are light blue or lavender, and sweet-scented.

**Asperula, azurea setosa**. Price, per pkt., 5 cts.

ASTER.

This splendid class of plants is one of the most popular and finest of our garden favorites; combines richness and variety of color, and beauty of form. Indispensable in every garden.

**Aster, Truffaut's Pæony-flowered**. Price, per pkt., 10 cts.

**Aster, Crown**. Price, per pkt., 10 cts.

" **Rose**. Price, per pkt., 10 cts.

" **Reid's Quilled**. Price, per pkt., 10 cts.

" **Fine Mixed**. Price, per pkt., 10 cts.

" **Dwar Pyramidal Bouquet**. Price, per pkt., 10 cts.

-ANTIRRHINUM, Snapdragon.

A favorite plant of easy culture, unsurpassed for summer and fall flowering. Seed saved from the finest mottled varieties. Perennials.

**Antirrhinum**, tall, mixed. Price, per pkt., 5 cts.

" dwarf mixed. Price, per pkt., 5 cts.

AQUILEGIA, Columbine.

A class of very ornamental plants; flowers are curious in form, with beautiful and varied colors. Hardy perennial.

**Aquilegia**, fine mixed; double and single. Price, per pkt., 10 cts.

**Aquilegia chrysantha**, yellow. Price, per pkt., 10 cts.



ASTER.

**BALLOON VINE, *Cardiospermum*, Love in a Puff.**

A rapid-growing, handsome climber, suitable for inside or outside decoration. Tender annual.

**Balloon Vine.** Price, per pkt., 10 cts.

**BALSAM, Lady's Slipper.**

CAMELLIA FLOWERED BALSAM.

most desirable, but with added beauty in their glossy waxen foliage they are simply superb. They are equally adapted, too, for summer planting. One to two feet.

**Begonia**, finest mixed. Price, per pkt., 25 cts.

**BRACHYCOME, Swan River Daisy.**

A beautiful free flowering, dwarf-growing plant, covered during summer with a profusion of Cineraria-like blossoms.

**Brachycome iberidifolia**, mixed, blue and white. Price, per pkt., 10 cts.

**BROWALLIA.**

It is only within a few years that the great value of the Browallia as a bedding plant has been shown. It is now considered indispensable in all massing and ribbon-line gardening; indeed, for all bedding purposes, it is used almost as freely as the Coleus. It is easily reproduced from seed, and requires no special cultivation. Half-hardy annuals.

**Browallia**, mixed colors, blue and white. Price, per pkt., 10 cts.

**CALAMPELIS, *Eccromocarpus*.**

A quick growing climber, attaining a height of ten feet in a season, and bearing profusely clusters of orange-colored tube-like flowers.

**Calampelis Scaber.** Price, per pkt., 10 cts.

**CALANDRINIA.**

Very beautiful free-flowering plant; valuable for rockwork and similar situations. Succeeds in a rich, light soil. Hardy annual.

**Calandrinia speciosa**, mixed. Price, per pkt., 10 cts.

**CALENDULA, Cape Marigold.**

Hardy annuals, free blooming and attractive and growing well in almost all situations.

**Calendula**, mixed. Price, per pkt., 10 cts.

"Meteor," novelty, large yellow. Price, per pkt., 10 cts.

One of the most beautiful and popular of our annuals; fine conservatory and garden plant; needs rich soil and good cultivation to produce large and brilliant flowers.

**Balsam**, large, double, mixed. Per pkt., 10 cts.

**Balsam, Camellia**-flowered, double mixed. Price, per pkt., 10 cts.

**Balsam, Rose**-flowered. Price, per pkt., 10 cts.

**BARTONIA.**

A very showy, half-hardy annual. Sow where it is to bloom, as it will not bear transplanting.

**Bartonia aurea**, bright yellow; one and one-half feet. Per pkt., 5 cts.

**BACHELOR'S BUTTON.**

See "*Centaurea Cyanus*."

**BEGONIA.**

In the greenhouse or parlor in winter, the graceful pendulous flowers of this beautiful class render them



BRACHYCOME.



**CALCEOLARIA.**

Plants of highly decorative character, one of the finest in cultivation. Must be raised with care, under glass, to come to perfection. Greenhouse perennial.

**Calceolaria.** Price, per pkt., 25 cts.

**COREOPSIS.**

A few annuals are more used; colors are bright and striking, flowers are numerous and beautiful, fine for mixed borders. Hardy annual.

**Coreopsis,** red, yellow, brown, mixed. Price, per pkt., 5 cts.



COREOPSIS.



CACALIA.

**CACALIA, Tassel Flower.**

A beautiful and profuse flowering plant, with tassel-shaped flowers; fine for mixed borders. Half-hardy annual.

**Cacalia,** orange, scarlet mixed. Price, per pkt., 5 cts.

**CANARY BIRD FLOWER.**

An exceedingly beautiful climbing plant; foliage very ornamental. Half-hardy annual.

**Canary Bird Flower** (*Tropæolum Peregrinum*). Price, per pkt., 10 cts.

**CANDYTUFT.**

One of the most useful annuals; very effective in beds, groups, ribbons, etc.; also for conservatory decorations; indispensable for bouquets. Hardy annual.

**Candytuft,** fragrant, white, one foot. Price, per pkt., 5 cts.

“ purple; one foot, Price, per pkt., 5 cts.

“ hybrid dwarf, very floriferous, choice colors, mixed. Per pkt., 15 cts.

“ rocket, pure white; one foot. Price, per pkt., 5 cts.

“ choice mixed. Price, per pkt., 5 cts.

**CANNA, Indian Shot.**

A genus of highly ornamental plants, of majestic appearance and brilliant flowers. Soak the seeds in hot water, and plant in rich soil. Half-hardy perennials.

**Canna,** fine mixed varieties. Price, per pkt., 10 cts.

**CANTERBURY BELL. Campanula Medial.**

When well grown, Canterbury Bells are amongst the most attractive of border plants; they succeed in light, rich soil, and should be transplanted two feet apart. Hardy biennials.

**Canterbury Bells,** double blue; two and one-half feet. Price, per pkt., 10 cts.

**Canterbury Bells,** double white; two and one-half feet. Price, per pkt., 10 cts.

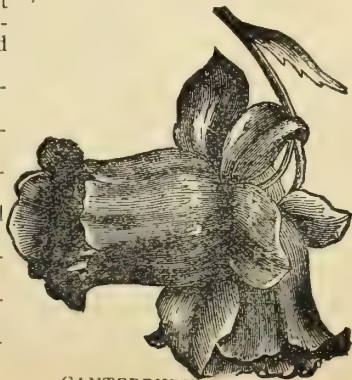
**Canterbury Bells,** double rose; two and one-half feet. Price, per pkt., 10 cts.

**Canterbury Bells,** double mixed; two and one-half feet. Price, per pkt., 10 cts.

**Canterbury Bells,** single, blue; two and one-half feet. Price, per pkt., 5 cts.

**Canterbury Bells,** single, white; two and one-half feet. Price, per pkt., 5 cts.

**Canterbury Bells,** single, mixed; two and one-half feet. Price, per pkt., 5 cts.



CANTERBURY BELL.

**CATCHFLY, Silene.**

A showy, free-flowering Plant for beds, borders or ribbons. Succeeds in any common soil. Hardy annual.

**Catchfly**, red, white and flesh-color; one and one-half feet. Price, per pkt., 5 cts.

**CARNATION, Dianthus Caryophyllus.**

A magnificent class of popular favorites, most of which are deliciously fragrant, and extremely rich and beautiful colors. The seed we offer is from the finest collection in Europe. Needs light, rich soil. Hardy perennial.

**Carnation**, perpetual, or tree, saved from choicest double flowers. Per pkt., 50 cts.

" fine German; two and one-half feet. Price, per pkt., 25 cts.

" good, mixed; one and one-half feet. Price, per pkt., 10 cts.

**CELOSIA, Cockscomb.**

Annual plants of tropical origin; one of the most satisfactory and showy plants for garden decoration; produces fine spikes of feathery-like bloom. Sow in light soil, not too rich. Half-hardy annuals.

**Celosia Cristata**, dwarf, crimson, fine, one foot. Price, per pkt., 10 cts.

**Dwarf Mixed**, one foot. Price, per pkt., 10 cts.

**Glasgow Prize**, an improved Cockscomb, producing large blooms of dark crimson. Per pkt., 15c.

**CENTAUREA, Dusty Miller.**

The annual varieties are very desirable for groups or mixed borders. All, except *Centaurea Americana*, are the best silver-foliaged plants in cultivation, and are very effective either in groups, borders or single specimen.

**Centaurea Americana**, flowers reddish purple. Price, per pkt., 5 cts.

**Centaurea Candidissima**, silvery leaved. Price per pkt., 25 cts.

**Centaurea Clementei**, silver leaved. Price, per pkt., 25 cts.

**Centaurea Cyanus**, (Corn Bottle or Bachelor's Button) mixed. Price, per pkt., 5 cts.

**Centaurea Gymnocarpa**, a graceful silver-foliaged variety. Price, per pkt., 25c.

**CINERARIA.**

*Cineraria hybrida* are very attractive greenhouse plants, and may be kept in bloom the greater portion of the year. Flowers are purples, crimsons, and magentas, both light and dark; succeeds best in light, rich, open soil. Greenhouse perennials.

**Cineraria hybrida**, fine mixed. Price, per pkt., 25 cts.

" " show flowers. Price, per pkt., 50 cts.

" **Maritima**, silvery foliage. Price, per pkt., 10 cts.

**CHRYSANTHEMUM.**

Tall, well-grown plants of this species are almost the finest of our late flowering plants; rivals the Dahlia in its range of shades and colors. Hardy annual.

**Chrysanthemum Burridgeanum**; crimson, white center. Price, per pkt., 5 cts.

" **Venustum**; white, crimson center. Price, per pkt., 5 cts.

" **Coronarium**; double white. Price, per pkt., 5 cts.

" **Inodorum Plenissimum**. — Dwarf growing, double white variety; very free flowering and beautiful for pot culture. Price, per pkt., 10 cts.

**Chrysanthemum Frutescens** (*Marguerite* or *Paris Daisy*); the white, star-like flowers. Price, per pkt., 10 cts.

**Chrysanthemum Frutescens** ("*Etolie d'or*,"), the Golden Paris Daisy. Price, per pkt., 15 cts.

**CLIANTHUS, Australian Glory Pea.**

One of the most beautiful plants in cultivation. Flowers in clusters, drooping, pea-shaped, four inches in length, of a brilliant scarlet, with an intense black spot in the center. It requires a dry, warm soil, and little water.

**Clanthus Dampieri**. Price, per pkt., 25 cts.

**CLEMATIS, Virgin's Bower.**

A well-known, hardy climbing plant, unrivaled for covering arbors, fences, etc. Will do well in any good garden soil.



CELOSIA.



**Clematis flammula**, white, fragrant. Price, per pkt., 10 cts.

**Clematis**, mixed. Price, per pkt., 10 cts.



CLARKIA.

A well-known, beautiful, climbing annual, suitable for covering arbors, trellises, fences, etc. In bloom from July until autumn.

**Convolvulus Major**, dark purple, white, striped, pink, mixed. Each, per pkt., 5 cts

**CONVOLVULUS MINOR (Dwarf.)**

Beautiful, free flowering and showy plants, with handsome, rich-colored flowers producing a rich effect in beds and mixed borders. Hardy annual.

**Convolvulus Minor**; mixed. Per pkt., 5 cts.

**COWSLIP.**

An old favorite plant for borders, flowering early in spring; succeeds best in rich soil. Hardy perennial.

**Cowslip**; fine mixed varieties. Per pkt., 10 cts.

**CYPRESS VINE (Ipomea Quamoclit.)**

A tender climbing plant of great beauty, with feathery foliage and elegant flowers. Put the seed in hot water before planting, and keep the ground moist till the seeds are up. Tender annual.

**Cypress Vine**; mixed. Per pkt., 5 cts.

**CUCURBITA (Ornamental Gourds.)**

A genus of plants producing some of the most curious shaped of all fruits. Very desirable climbers, of rapid growth and luxuriance of foliage; valuable for arbors, trellises, fences, etc. Seed saved from fifty choice and curious varieties.

**Cucurbita**; choice varieties. Per pkt., 25 cts.

**CYCLAMEN.**

A highly valued greenhouse plant, producing exceedingly handsome red and white flowers. Sow the seed in spring, and by autumn it will produce a bulb, which, if care is taken, will blossom the following spring.

**Cyclamen Persicum**; choice mixed. Price per pkt., 25 cts.

**DAHLIA.**

A beautiful variety of plants, flowering in autumn. They are of easy cultivation, growing freely in almost any soil from seed sown early in spring. Sow the seed in shallow boxes, and transplant the seedlings. Seed offered by us saved from a fine French collection.

**Dahlia, double**; choice mixed. Per pkt., 10 cts.

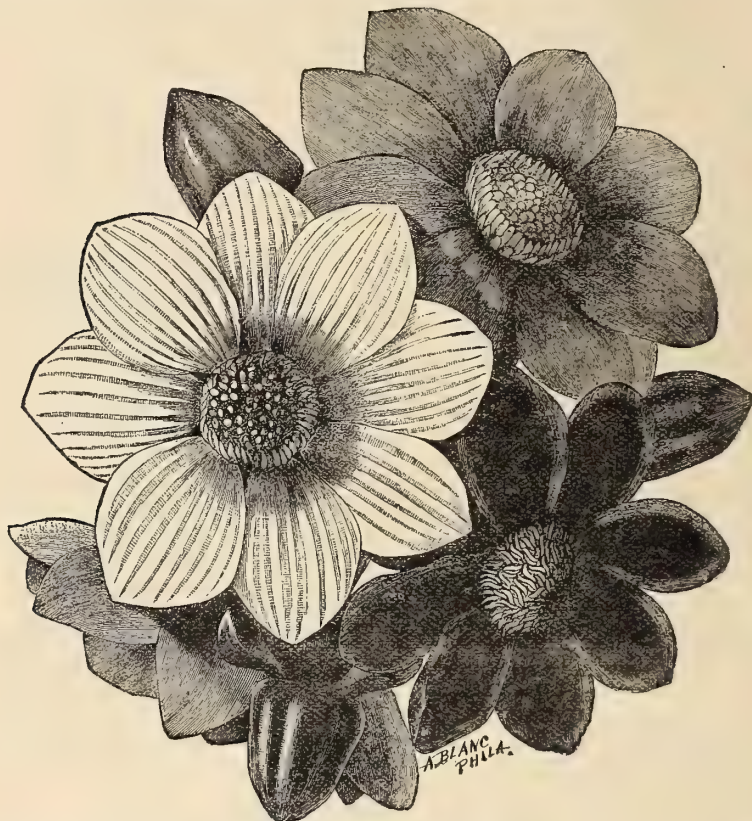
**SINGLE DAHLIAS.**

The single varieties have attained a popularity almost amounting to a *mania*, being already so extensively used for corsage and personal adornment, for table designs



CYCLAMEN.

and for baskets and vases, through the months of August, September and October, as to almost rival roses, their many colors affording such a great scope in their disposal. The easy manner in which they are RAISED FROM SEED, requiring, as they do, only a window for protection until danger of frost is passed (those having a hot-bed frame will, of course, sow them in that, giving them the same treatment as



other seeds), planted in good rich soil, in a sunny position, they begin to flower in July and continue until October, and in sheltered places as late as November. They are frequently entirely covered with bloom, and the more they are cut from the more flowers are produced. A package of SEEDS will give as many *varieties* as there are plants come to maturity. Price, per pkt., 10 cts.

#### \* DATURA, Trumpet Flower.

A very ornamental class of plants, suitable for clumps, producing large trumpet-shaped flowers. Hardy annual.

**Datura**, mixed. Per pkt., 10 cts.

#### DIANTHUS.

This class of plants embrace some of the most popular flowers in cultivation. The Pink, Picotee, Carnation, all belong to this genus. They are all noted for their large, sweet-scented, high colored flowers and profusion of bloom. Sow early in spring, in light soil, in shallow boxes; transplant the young plants as soon as they have a few leaves into small pots, or where they are to remain. Need light, rich garden soil.

**Dianthus barbatus** (see Sweet William), mixed. Price, per pkt., 5 cts.

- |   |  |   |   |         |
|---|--|---|---|---------|
| " | <b>Caryophyllus</b> (see Carnation), fine mixed.     | " | " | 10 cts. |
| " | <b>Chinensis</b> (China Pink), choice colors, mixed. | " | " | 10 cts. |
| " | <b>Gardnerianus</b> , fringed, double.               | " | " | 10 cts. |
| " | <b>Heddewigii</b> , hardy annual; choice.            | " | " | 10 cts. |
| " | <b>Diadematus</b> , superb variety; dwarf.           | " | " | 10 cts. |
| " | <b>Imperialis</b> , double Imperial Pink.            | " | " | 10 cts. |
| " | <b>Laciniatus</b> , beautifully fringed.             | " | " | 10 cts. |



**DIGITALIS, Foxglove.**

Handsome ornamental plant, of stately growth, and fine color of its flowers. Fine for shrubberies and half-shady places. Hardy perennials.

**Digitalis**, brilliant colors, mixed. Per pkt., 10 cts.  
 " **Gloxinoides**, mixed.... " 15 cts.

**DAISY.**

A well-known favorite border plant. Needs a cool, shaded place. Will bloom the first season if sowed early. Hardy perennial.

**Daisy**; double, white, red and variegated. Price, per pkt., 25 cts.

**DELPHINIUM, Larkspur.**

Plants remarkable for their beauty, diversity of shades and ornamental qualities. The principal color is blue. Hardy perennial. Annual varieties see Larkspur.

**Delphinium**, fine mixed. Price, per pkt., 10 cts.

**DOLICHOS, Hyacinth Bean.**

A beautiful class of quick-growing ornamental climbers, flowering in clusters. Tender annuals

**Dolichos Lablab**, purple, white, mixed. Price, each, per pkt., 5 cts.

**ESCHSCHOLTZIA, or California Poppy.**



DIGITALIS.

An exceedingly showy, profuse flowering genus of plants, with extremely rich and beautiful colors; attractive for bedding, massing or bordering. Needs light, rich soil. Half-hardy perennial.

**Eschscholtzia Californica**, bright yellow. Price, per pkt., 5 cts.

**Eschscholtzia**, rose. Price, per pkt., 5 cts.  
 " mixed. " 5 cts.

**ETERNAL, or Everlasting Flowers.**

A very ornamental border plant; the blossoms are extensively used for winter bouquets.

**Eternal Flowers**, many varieties, mixed. Price, per pkt., 10 cts.



ESCHSCHOLTZIA.

**FERNS.**

This graceful and magnificent order is too well known and highly appreciated to need description. As a general rule they should be kept in a warm humid atmosphere. They should be grown in turfy peat, mixed with sand and leaf mold.

**Fern**; spores or seed, in choice mixed varieties. Price, per pkt., 25 cts.

**FEVERFEW**, see Matricaria.

**FORGET-ME-NOT**, see Myosotis.

**FRENCH HONEYSUCKLE (Hedysarum.)**

A free-growing border plant of easy culture. Hardy perennial.

**French Honeysuckle**, red and white. Per pkt., 5 cts.

**FUCHSIA (Ladies' Ear Drop.)**

A well known plant of easy culture, in pots for conservatory, parlor decorations or the open ground. Very easily grown from seed. Half-hardy green-house perennial.

**Fuchsia**; fine mixed double. Per pkt., 50 cts.

**GAILLARDIA.**

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers; continuing in beauty, during summer and autumn. Hardy annuals.

**Gaillardia**; choice mixed. Per pkt., 5 cts.

**GERANIUM,**

Probably the geranium is better known and more admired than any other plant grown. In the last few years there has been great improvement both in color and in form of the flowers, and brilliancy of foliage. Very easily raised from seed. Succeed best in sandy loam. Greenhouse perennial.



GAILLARDIA.

**Geranium**; splendid mixed. Per pkt 15 cts.

**Geranium Pelargonium, or Lady Washington**; mixed. Per pkt., 50 cts.

**Geranium Pelargonium, or Lady Washington, Odier.** " 50 cts.

#### GILIA.

Very pretty dwarf plants; will bloom in almost any situation. Desirable for massing.

**Gilia**; rose, purple, white, blue, mixed. Per pkt., 5 cts.

#### GLOXINIA.

A superb genus of conservatory and greenhouse plants, producing rich and beautiful colored flowers. Thrives best in sandy peat and loam. Sow in March on the surface, in a warm moist atmosphere; transplant carefully in pots; in following spring re-pot and water freely; will fully repay for care and attention. Stove perennial bulbs.

**Gloxinia**; very choice varieties, mixed. Per pkt., 50c.

#### GLADIOLUS.

A fine plant, with long spikes of flowers of various colors. Easily raised from seed. Half-hardy bulb plant.

**Gladiolus, French Hybrid**; choice mixed. Price per pkt., 25 cts.

#### GLAUCIUM (Horn Poppy).

A showy plant, with long silvery leaves, gracefully recurved and deeply cut and curled. Flowers bell-shaped, orange-yellow.

**Gladium Corniculatum.** Per pkt., 10 cts.

#### GLOBE AMARANTHUS, (Gomphrena).

A desirable everlasting flower; valued for its variety of colors. Flowers are cut in summer and dried for winter bouquets. Seeds germinate slowly; should be soaked in warm water before planting. Tender annual.

**Globe Amaranthus**; white; two feet. Per pkt., 5 cts.

" " purple; two feet. " 5 cts.

" " variegated; two feet. " 5 cts.

" " mixed, all colors. " 5 cts.

#### GOURDS (See Cucurbita).

#### GRASSES (Ornamental).

Many varieties of the ornamental grasses are curious and beautiful; when dried and tastefully arranged with everlasting flowers, they make very attractive winter bouquets; for this purpose they should be cut while fresh and green (before turning yellow); tied in small bunches, and hung up in the shade. They should be sown in April in good soil, thinned out or giving transplanted, each plant plenty of room.



GDADIOLUS.

**Agrostis Nebulosa**, exceedingly graceful and beautiful. Hardy annual, one foot. Price, per pkt., 5 cts.

**Briza Maxima** (large Quaking Grass), very elegant, one of the best ornamental grasses. Hardy annual, one foot. Price, per pkt., 5 cts.

**Coix Lachrymæ** (Job's Tears), a well-known variety. Half-hardy annual. Price, per pkt, 5 cts.

**Erianthus Ravennæ**, almost identical with the pampas grass, but more hardy. Hardy perennial. (For description see Gynierium Argentum. Price, per pkt., 10 cts.

**Eulalia Japonica**, new Japanese ornamental grass, height six to seven feet; circumference eighteen feet; a single plant having from thirty to forty elegant flower spikes of a violet color. Like pampas grass, it is adapted to lawns. Per pkt., 10 cts.

**Gynierium Argentum** (Pampas Grass), the finest and most noble grass in cultivation, very ornamental, almost universally grown in the public gardens of Europe; its flowers are large silvery blooms on stems about seven feet high. Price, per pkt., 10 cts.

**Hordeum Jubatum** (Squirrel Tail Grass). Very handsome. Three feet. Price, per pkt., 5 cts.

**Stipa Pennata** (Feather Grass), very graceful. Start in a hot-bed. Hardy perennial, two feet. Price, per pkt., 10 cts.

**Zea Japonica** (Stripe d Japanese Maize). Half-hardy annual, six feet. Price, per pkt., 10 cts.

#### GYPSOPHILA.

A pretty, free-flowering, elegant little plant, well adapted for rustic rockwork, baskets, and edgings, succeeding in any garden soil. Hardy annuals.

**Gypsophila elegans**; white and pink, mixed. Price, per pkt., 5 cts.





HELICHRYSUM.

**HELICHRYSUM, Everlasting Flowers.**

Flowers are mostly used for winter bouquets, for which they are cut before blooms are expanded, and dried in the shade. Hardy annuals.

**Helichrysum.** Finest mixed; all colors. Price, per pkt., 5 cts.

**HOLLYHOCK.**

The new varieties of an old favorite; rank with the Dahlia in its varied colors and stately growth. If sown early will bloom the first year. Hardy perennials.

**Hollyhock.** Fine double mixed. Per pkt., 10 cts.

**HELIANTHUS, Sun Flower.**

A well-known hardy plant, of stately growth, remarkable for the brilliancy and the size of flowers. Hardy annuals.

**Helianthus Californicus.** Double. Price, per pkt., 5 cts.

**Russian Mammoth.** Very large. Price, per pkt., 5c.

**HIBISCUS.**

One of the most gorgeous of flowering plants flowers cream color, with rich brown center; one and one-half feet. Price, per pkt., 10 cts.

**HELIOTROPE.**

A well-known fragrant flower, excellent for bedding and pot culture. Seed sown early in spring make fine plants for summer; light, rich soil. Half-hardy perennial.

**Heliotrope.** — White and shades of purple mixed. Per pkt., 10 cts.

**IBERIS, Perennial Candytuft.**

A profuse blooming, pretty little plant; useful for rockeries and hanging baskets. Hardy perennial.



HIBISCUS.

Price, per pkt., 5 cts.

**Iberis Sempervirens.** White, one-half foot. Price, per pkt., 5 cts.

**ICE PLANT, Mesembryanthemum.**

A pretty little trailing plant with thick fleshy leaves, having the appearance of being coated with ice; suitable for hanging baskets.

**Ice Plant.** Mixed. Price, per pkt., 5 cts.

**IPOMEA.**

A beautiful genus of climbing plants; indispensable ornament for greenhouse and garden decoration. Tender annuals.

**Ipomea Quamoclit** (Cypress Vine). Mixed. Price, per pkt., 5 cts.

**Ipomea Coccinea** (Star Ipomea). Bright scarlet, ten feet. Price, per pkt., 5 cts.

**Ipomea,** in many fine varieties. Mixed. Price, per pkt., 5 cts.

**IPOMOPSIS.**

Remarkable, handsome free-flowering plants, almost unsurpassed for brilliancy and beauty; effective for conservatory or out-door decoration; succeed in light rich soil.

**Ipomopsis.** Fine mixed varieties. Price, per pkt., 10 cts.

**JACOBEEA.**

A useful and showy class of plants, of easy culture; do well in light, rich soil. Hardy annual.

**Jacoea.** Fine mixed. Price, per pkt., 10 cts.

**KAULFUSSIA.**

Pretty little free-flowering plants, of a neat, compact growth, exceedingly effective in beds or mixed borders. Hardy annuals.

**Kaulfussia.** Rose, white, violet, mixed. Price, per pkt., 5 cts.

**LATHYRUS, Everlasting Pea.**

Showy, free-flowering plants, growing in any common soil. A good climber for covering fences or walls. Hardy perennial.

**Lathyrus.** Mixed colors. Price, per pkt., 10 cts.

**LANTANA.**

These plants are rapid growers, forming small, hardy shrubs. The flowers are in Verbena-like heads, and embrace every shade of pink, purple, orange, and white. Half-hardy perennials.

**Lantana,** mixed. Price, per pkt., 10 cts.

**LARKSPUR.**

Very ornamental plants, combining brilliant colors with great duration and profusion of bloom. The dwarf varieties are more effective in groups. The tall varieties are more desirable for large beds and cut flowers. Growing in good garden soil. Hardy annual.

**Larkspur,** double dwarf rocket, mixed. Price, per pkt., 5 cts.

" tall rocket, fine, mixed. Price, per pkt., 5 cts.

**LAVENDULA, (Lavender).**

A genus of plants cultivated for the delicious fragrance of its flowers. They succeed in any common garden soil. Hardy perennial.

**Lavender,** lilac, two feet. Price, per pkt., 5 cts.

**LEPTOSIPHON.**

Very desirable plant for edgings, rock-work and ribbon-beds, combining a great profusion of bloom with variety of colors. Hardy annual.

**Leptosiphon,** white, rose, lilac, mixed. Price, per pkt., 10 cts.

**LIMNANTHES.**

An elegant and fragrant annual, very free blooming; good for beds, clumps, or edgings; easy of cultivation, and growing freely in any good garden soil. Hardy annual.

**Limnanthes Douglasii,** yellow, white dwarf. Price, per pkt., 5 cts.

**LINUM, Flowering Flax.**

One of the most effective and showy bedding plants. Hardy annual.

**Linum Grandiflorum,** crimson, very fine. Price, per pkt., 10 cts.

**LOASA.**

A handsome genus of rapid growing, free-flowering, climbing plants, with curious and beautiful flowers, succeeding out of doors in any light soil.

**Loasa,** orange, scarlet, and yellow, mixed. Price, per pkt., 10 cts.

**LOPHOSPERMUM.**

Exceedingly ornamental climbing plants, with large and handsome flowers; very effective for conservatory or garden.

**Lophospermum.** Carmine, ten feet. Price, per pkt., 10 cts.

**LUPINS, (Sun Dials).**

A splendid genus of ornamental and free-flowering garden plants. Seed should be sown in the open ground, where they are to remain.

**Lupins,** mixed, hardy. Price, per pkt., 5 cts.

**LOBELIA.**

Exceedingly pretty, profuse blooming plants of easy culture and well adapted for bedding, edging rockeries, hanging baskets and vases. Seeds should be covered lightly.

**Lobelia, Gracilis,** light blue for baskets. Price per pkt., 10 cts.

**Lobelia, Speciosa,** very effective variety for bedding. Per pkt., 10 cts.

**Lobelia, Crystal Palace Compacta,** a beautiful new variety. Per pkt., 10 cts.

**Lobelia, Cardinalis** (Cardinal Flower); perennial. Per pkt., 15 cts.

**Lobelia, Fine Mixed Varieties.** Per pkt., 10 cts.



LOBELIA.



**MARIGOLD.**

Well known, extremely showy garden plant with handsome double flowers of rich and varied color. Succeeds in garden soil. Half-hardy annual.



MARIGOLD.

**Marigold.** African orange; two feet. Pkt., 5c.  
**Marigold.** French, brown and orange; one foot. Per pkt., 5 cts.

**MARVEL OF PERU (Mirabolis--Four O'clock.)**

Few plants combine so much beauty, both of flowers and foliage. Seeds to be planted where the plants are to remain. Half-hardy perennial.

**Marvel of Peru**, mixed. Per pkt., 5 cts.

**MATRICARIA (Feverfew).**

Handsome, profuse flowering, ornamental plants; fine for the garden or pot-culture. Half-hardy perennial.

**Matricaria**, white double. Per pkt., 5 cts.

**MAURANDIA.**

This superb climber cannot be too highly recommended, either to decorate the conservatory or the flower garden. Blooms the first year from seed. Half-hardy perennial.

**Maurandia Barclayana**, deep violet. Price per pkt., 10 cts.

**Maurandia**, choice mixed, violet, pink, white. Price per pkt., 10 cts.

**MIGNONETTE (Reseda).**

A well known fragrant favorite, if well thinned out, the plants will be stronger and the flowers larger. Blooms throughout the season. Hardy annual.

**Mignonette**, sweet, (25 cts. per oz.) Price per pkt., 5 cts.

**Mignonette**, large flowered. Per pkt., 5 cts.

" Parson's new white. Per pkt., 10 cts.

" improved large flowering pyramidal. Per pkt., 10 cts.



MAURANDIA.

**MIMULUS.**

Comprises numerous varieties, white, yellow-spotted, crimson, scarlet and pink. Fine for baskets, conservatory, and sheltered places in the garden. Needs cool situation and rich soil. Half-hardy perennials.

**Mimulus punctatus (Monkey Flower)**, large beautifully spotted blossoms; blooms first year. Per pkt., 10 cts.

**Mimulus Cardinalis**, scarlet; one foot. Per pkt., 15 cts.

**Mimulus Tigrinus**. An exceedingly beautiful new blotched and spotted hybrid, rivaling the Calceolaria in the variety of its bright colors. Mixed Per pkt., 10 cts.

**MOMORDICA.**

Very curious trailing plants, with ornamental foliage and remarkable fruit. Half-hardy annuals.

**Momordica Balsamina (Balsam Apple)**—From East Indies, ten feet. Pkt., 5 cts.

" **Charantia (Balsam Pear)**—Ten feet. Price, per pkt., 5 cts.



MYOSOTIS.

**MUSK PLANT.**

Cultivated on account of the musky odor of the plant. Needs rich soil and plenty of moisture. Cover the seeds slightly with earth, and keep the young plants warm and moist.

**Musk Plant (Mimulus Moschatus)**—Price, per pkt., 10 cts.

**MYOSOTIS, (Forget-me-not).**

A charming little plant, very popular; producing beautiful, star-like flowers in great profusion. They succeed best in moist situations; will flower the first season if sown early. Half-hardy perennials.

**Myosotis (True Forget-me-not)**—Pkt. 10c.

**MORNING GLORY.** (See Convolvulus.)

**MOURNING BRIDE.** (See Scabiosa.)

**NASTURTIUM.**

The dwarf varieties are among the most useful garden favorites, of close, compact growth, and rich colored flowers. The tall varieties are fine climbers, useful for vases, rock-work, trellises and baskets. Hardy annuals.

**Nasturtium**, dwarf, mixed; tall, mixed; tall, crimson; tall, yellow. Price, each per pkt., 5 cts.; per oz., 30 cts.

**NEMOPHILA**

This is one of the best dwarf hardy annuals, of very compact growth, with very, beautiful flowers of varied shades and colors. Will do well all summer, if planted in a cool, shady place.

**Nemophila**, all colors, mixed. Price, per pkt., 5 cts.

**NIGELLA, Love in a Mist, or Devil in a Bush.**

A very interesting, free-flowering plant, with curious looking flowers and seed pods. Grows freely in any garden soil. Hardy annuals.

**Nigella**, mixed. Price, per pkt., 5 cts.



**NOLANA.**

A beautiful genus of free-growing, trailing plant; fine for rockwork, hanging baskets, old stumps, etc. Needs light soil. Hardy annuals.

**Nolana**, blue, violet, white, yellow, mixed.

**ENOTHERA, Evening Primrose.**

A fine free-flowering and useful class of plants for beds, borders or rock-work. Succeeds in any good garden soil.

**Enothera**, fine mixed varieties. Price, per pkt., 10 cts.



ENOTHERA.

**OXALIS.**

Very attractive and beautiful plants, with richly-colored flowers and dark foliage, suitable for the house, conservatory, rockwork, and baskets. Half-hardy perennials.

**Oxalis rosea**, rose-colored flowers. Price, per pkt., 10 cts.

**PASSIFLORA, or PASSION FLOWER.**

Magnificent ornamental climbers, with remarkably handsome flowers; very fine for conservatories and gardens.

**Passiflora**, blue and white, mixed. Per pkt., 10 cts.

**PANSY (Heartsease).**

Too well known to need description. Seed may be sown under glass or in the open ground; if sown in the early spring, the plants will blossom late in the summer; and during the fall. They need very rich soil and good care to keep the flowers large and fine. Young plants give the largest flowers.

**Pansy**. English, choice mixed. Per pkt., 25 cts.

" **New Fancy**, of the finest European collection. Per pkt., 50 cts.

" **Odiar, or Five Blotched**. French, mixed. Per pkt., 25 cts.



**Pansy**, bronze; blue; Faust, or King of the Blacks; golden flowers; violet; purple; variegated or striped; white; Emperor William, brilliant blue, with well-defined purple eye, splendid. Price, each, per pkt., 15 cts.

**Pansy**, good, mixed. Per pkt., 10 cts.



**PHLOX DRUMMONDII.**

For a brilliant mass of colors, and a constant display, is not excelled by any other plant. The colors range from white to the deepest shades of purple and crimson. Seed may be sown in the ground or started in a hot-bed. Half hardy annuals.

**Phlox Drummondii**, *grandiflora*, choice, mixed; white; purple, white eye; scarlet; rose. Price, each, per pkt., 10 cts.

**Phlox Drummondii**, perennial, finest hybrid. Per pkt., 25 cts.

**PICOTEE.**

Equally suited for outdoor or indoor culture, flowering freely, and having a delicious fragrance. Half-hardy perennial.

**Picotee Pink**, choice varieties. Per pkt., 50 cts.

**PORTULACA.**



DOUBLE PORTULACA.

Beautiful and popular hardy annuals of the easiest culture doing well in a sunny position, and blooming profusely through-

out the season.

**Portulaca**, red, white, orange, mixed. Price, per pkt., 5 cts.  
 " double, choice mixed. " " 15 cts.

## PENSTEMON.

Plants of a highly ornamental character, remarkable for the beauty and abundance of their blossoms. Half hardy perennials.

**Penstemon**, fine mixed, yellow, scarlet. Price, per pkt., 10 cts.

## PERILLA.

Ornamental foliaged plant for garden decoration; leaves are mulberry or blackish purple; useful for ribbons or mixed flower borders. Half-hardy annual.

**Perilla Nankinensis**, one and a half feet. Price, per pkt., 5 cts.

## PETUNIA.

A highly ornamental, easily cultivated garden and greenhouse favorite. Succeeds in any rich soil. If



PETUNIA.



PENSTEMON.

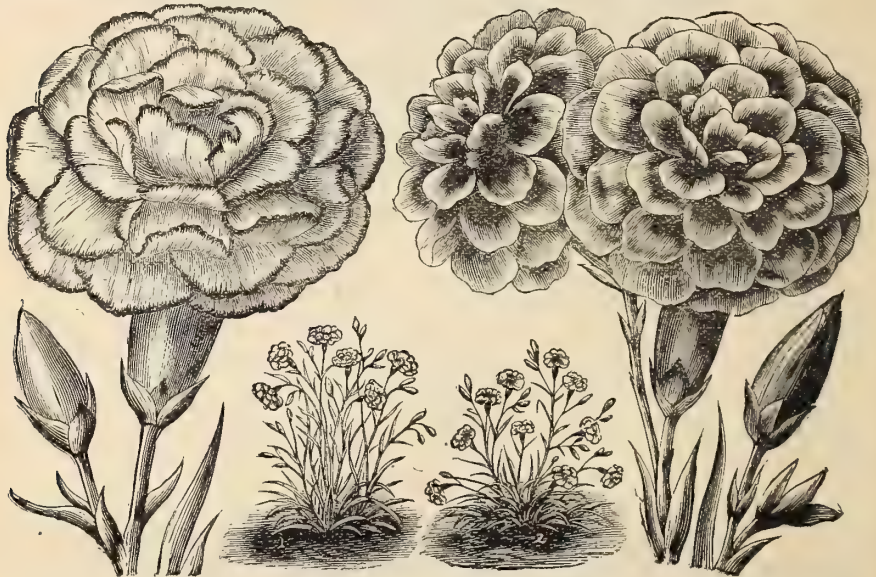
sown early in the spring will blossom in June. Half-hardy perennial.

**Petunia hybrida grandiflora**; large flowering; fine mixed. Price, per pkt., 10 cts.

**Petunia grandiflora alba**; large flowering pure white. Price, per pkt., 10 cts.

**Petunia**; new, double. Price, per pkt., 50 cts.

**Petunia**; mixed, single. Price, per pkt., 5 cents.



PINKS.

A highly valued and well-known plant of easy culture, and of great beauty, doing well either in the garden or greenhouse. Hardy perennial.

**Pink**; choice varieties, mixed. Price, per pkt., 10 cts.

## POLYANTHUS.

Splendid spring flowering plants, either for pot culture or the open border. Hardy perennials.

**Polyanthus**; mixed. Price, per pkt., 10 cts.



## POPPY.

A genus of showy, free-flowering plants, producing a rich and effective display in large mixed borders. Hardy annuals.

**Poppy, Carnation-flowered**, double, mixed; two feet. Price, per pkt., 5 cts.

" **French**, Ranunculus-flowered, double, mixed. Price, per pkt., 5 cts.

" **Pæony-flowered**, double. Price, per pkt., 5 cts.

" **New Papaver Umbrosum**. This makes a gorgeous display in the garden; its flowers are a rich vermilion, with a shining black spot on each petal. One of the showiest plants in our grounds last summer. Price, per pkt., 15 cts.

**Poppy, Bracteatum**. Very large orange scarlet flowers, averaging five inches in diameter. Perennial. Price, per pkt., 10 cts.

## PRIMULA, Chinese Primrose.

One of the finest winter-blooming plants; the single varieties blooming more freely than the double; fine for a window plant or the greenhouse. Succeeds best in sandy loam and leaf-mould. Greenhouse perennial.

**Primula sinensis fimbriata alba**, fringed white. Price, per pkt., 50 cts.

**Primula sinensis fimbriata rosea**, fringed rose. Price, per pkt., 50 cts.

**Primula sinensis fimbriata**, mixed. Price, per pkt., 50 cts.

**Primula sinensis fimbriata**, double, white. Price, per pkt., \$1.00.

**Primula sinensis fimbriata**, double, red. Price, per pkt., \$1.00.

**Primula sinensis fimbriata**, double, mixed. Price, per pkt., \$1.00.

**Primula Japonica**, saved from the most beautiful varieties. Per pkt., 25 cts.

## PYRETHRUM.

Handsome, free-flowering, ornamental plants, producing a fine effect for borders. Hardy perennials.

**Pyrethrum parthenifolium aureum** (Golden Feather). Price, per pkt., 10 cts.

**Pyrethrum roseum**, light red, two feet. Price, per pkt., 10 cts.

**Pyrethrum Parthenifolium** (Double Feverfew). White. Per pkt., 10 cts.

## RHODANTHE.

This is one of the handsomest annuals ever introduced, valuable alike for the

decoration of the conservatory and flower garden; they are among the prettiest everlasting flowers for winter bouquets. Succeed best in light, rich soil, and a warm, sheltered situation. Half-hardy annuals.

**Rhodanthe**. Price, per pkt., 10 cts.

## RICINUS.

A very striking, ornamental foliaged plant, fine for single specimens in the garden, giving quite an Oriental aspect. Half-hardy annual.

**Ricinus** (Castor Oil Plant).—Price, per pkt., 10 cts.

## ROCKET (Hesperis).

Very pleasing early spring, profuse blooming plants, with very fragrant flowers; easily raised; grows freely in any soil.

**Rocket**, mixed. Price, per pkt., 5 cts.

## SALPIGLOSSIS.

Remarkably beautiful autumn-blooming plants with funnel-shaped flower, curiously veined and marbled. Half-hardy annuals.

**Salpiglossis**, choice mixed. Price, per pkt., 10 cts.

## SALVIA, Flowering Sage.

Fine bedding plants, with gorgeous spikes of scarlet, white and blue. Seeds sown in March, under glass, will flower in July. Half-hardy perennials.

**Salvia**, mixed. Price, per pkt., 10 cts.



PRIMULA.

**SCABIOSA, Mourning Bride, or Sweet Scabious.**

A beautiful border plant, producing a great profusion of flowers in various shades of carmine, purple, and white. Easy to raise in any good garden soil.

**Scabiosa**, tall, mixed; dwarf, mixed. Price, each, per pkt., 5 cts.

**SCHIZANTHUS.**

A splendid class of plants, combining elegance of growth and profusion of beautiful flowers; valuable in the garden and greenhouse. White, purple, yellow, and crimson. Half-hardy annual.

**Schizanthus**, finest mixed colors. Price, per pkt., 5 cts.

**SENSITIVE PLANT.**

A curious annual plant, the leaves closing if touched or shaken. Should be raised under glass, and not transplanted to the open ground until the weather is warm, or kept in the conservatory.

**Sensitive Plant** (*Mimosa pudica*). Price, per pkt., 5 cts.

**SILENE.**

Ornamental genus of free-flowering plants, well adapted for spring and summer, blooming in beds, rockwork, etc. Purple, white, pink, and lilac. Hardy perennial.

**Silene**, choice colors, mixed. Price, per pkt., 5 cts.

“ **Pendula Compacta**. Plant dwarf and compact, forming dense cushions, two or three inches in height, and from nine to twelve inches in diameter, which during the season, are perfectly solid with bloom. Price, per pkt., 10 cts.

**SNAPDRAGON, see Antirrhinum.****STATICE.**

Should be extensively cultivated on account of its exceedingly interesting blossoms, which remain long in beauty; ought to be in every garden. Sow in sand or in loam in the house, and transplant into the garden. Hardy perennial.

**Statice spicata**, rosy pink; choice mixed. Price, each, per pkt., 10 cts.

**STOCK, German Ten-Week.**

The Stock Gillyflower has for many years been a general favorite, but of late years the Germans have grown them in such a perfection that they are considered almost indispensable where a fine display is wanted. The seed is grown with such great care that a very large proportion of double flowers are produced from the seed, and of great fragrance and beauty. To have them in bloom early, start in hot-bed, and transplant when small into pots, and turn out in June to open border. They will blossom late in the season if planted in open ground. One foot high. Hardy annual.

**Stock, ten-week**, large flowering, extra fine, mixed. Price, per pkt., 20 cts.

“ “ “ white, crimson, carmine, yellow. Price, each, per pkt., 15 cts.

**STOCK, Intermediate.**

The Intermediate Stocks are valuable on account of their flowering late in the fall, also as pot plants for early spring blooming, for which purpose the seeds should be sown in July or August. If the Intermediate Stocks are sown at the same time as the Ten-Weeks, they will succeed them in bloom.

**Stock, Intermediate**, choice mixed. Price, per pkt., 10 cts.

**STOCK, Brompton and Emperor.**

The Emperor, or Perpetual Flower, may be treated in the same manner as the Intermediate Stock; they frequently last several years, if protected from the frost. The Brompton is a biennial of branching habit, producing a grand display when in bloom. Two feet.

**Stock, Emperor, or Perpetual**, finest mixed. Price, per pkt., 15 cts.

“ **Brompton, or Winter**, “ “ “ 10 cts.

**SWEET SULTAN, Centaurea Moschata.**

Sweet-scented, profuse-flowering plants, very effective in mixed or shrubby borders; grow freely in rich soil. Hardy annuals.

**Sweet Sultan**, mixed, purple, white, yellow. Price, each, per pkt., 5 cts.

**SWEET PEAS.**

Exceedingly useful and well-known climbers, with beautiful fragrant flowers. Fine for covering fences or walls. Sow three inches deep, an inch apart, and as early as possible. Hardy annuals.

**Sweet Peas**, Violet Queen. Price, per pkt., 10 cts.

“ “ mixed (per oz., 15 cts.). Price, per pkt., 5 cts.

“ “ black “ “ “ 20 “ “ 10 “

“ “ purple, scarlet, white, scarlet invincible (each per oz., 20 cts.) Price, each, per pkt., 5 cts.



**SMILAX, *Myrsiphyllum Asparagoides*.**

There is no climber in cultivation which surpasses this in graceful beauty of its foliage and orange fragrance of its flowers; can be used either to droop or to climb. Unsurpassed for light wreaths and floral decorations. Easily raised from seed. Greenhouse climber.

**Smilax.** Price, per pkt., 25 cts.

**SWEET WILLIAM, *Dianthus Barbatus*.**



SWEET WILLIAM.

A well-known, popular favorite, very hardy. Has been greatly improved of late years. Hardy perennials.

**Sweet William,** dwarf, extra fine mixed. Price, per pkt., 10 cts.

**Sweet William,** fine mixed. Per pkt., 5c.  
 " " mixed, double. " 10c.

**TAGETES.**

A beautiful, delicate, fern-leaved plant, forming a compact globular bush, and covered with bright yellow blossoms, with a reddish brown stripe through the center of each petal. Half-hardy annual.

**Tagetes Signata Pumila,** one foot. Price, per pkt., 10 cts.

**THUNBERGIA.**

A slender and rapid-growing climber with extremely pretty flowers and handsome foliage. Good for greenhouse or warm situations out of doors. Seeds require to be started under glass. Half-hardy annual.

**Thunbergia,** buff, white, orange flowers, mixed. Price, per pkt., 10 cts.

**TORENIA.**

A very fine, new annual, with large, sky-blue blossoms, with three large spots of dark indigo blue, and a yellow stain in the center. Sown from February to April in pots, and kept under glass, it will flower from June to September. The prettiest annual for cultivation under glass, but will thrive well in open air during the warmer season of the year. In open air the plants are dwarfer and more robust, flowering well till cold weather.

**Torenia, Fournieri.** Price, per pkt., 25 cts.

**TROPOLEUM.**

Beautiful and easily cultivated climbers; well adapted for conservatory or for trellises, verandas, and rustic work out of doors. Half-hardy annuals.

**Tropeolum Peregrinum** (Canary Bird Flower). Price, per pkt., 10 cts.

" **Lobbianum,** choice mixed..... " " 10 "

**VALERIAN, Jacob's Ladder.**

Very showy border plants; will grow in almost any soil. Hardy perennials.

**Valerian,** red, white, mixed. Price, per pkt., 5 cts.

**VENUS' LOOKING GLASS.**

A very pretty hardy annual, succeeding well in any soil; grows about a foot high, and is useful for borders and edging. Flowers are blue and white

**Venus' Looking Glass** (*Campanula Speculum*), mixed. Price, per pkt., 5 cts.

**VERBENA.**

No plant equals the Verbena as a bedding plant. The flowers are almost every shade and color, blooming freely the first year from seed. Sow the seed under glass, early in the spring, and transplant where they are to remain when four inches high. Half-hardy perennials.

**Verbena Hybrida,** coccinea, scarlet; blue; purple; Italian striped; white, large flowered; fine, mixed. Price, each, per pkt., 10 cts.

**VINCA.**

A genus of beautiful greenhouse shrubs; if sown early in heat, and transplanted to a warm situation in the garden about May or June, they will flower beautifully in the autumn, and may be potted for the house before frost.

**Vinca Rosea,** rose, with dark eye; two feet. Price, per pkt., 10 cts.

" **Alba,** white, with crimson eye..... " " 10 cts.

## VERONICA.

Showy plants for pot culture or the open border. Half-hardy annuals.

**Veronica**, blue and white, mixed. Price, per pkt., 10 cts.

## VIOLET.

A well-known favorite, much admired for the delicate fragrance of its flowers, and its profusion of bloom. Suitable for edgings and borders, doing best in a cool, sheltered situation. Hardy perennial.

**Viola Oederata**, sweet-scented, blue. Price, per pkt., 10 cts.

“ “ “ white. “ “ 20 cts.

## VIRGINIAN STOCK.

Extremely beautiful free-flowering little plants for beds, baskets, or edgings, growing freely in any soil. Hardy annuals.

**Virginian Stock**, red and white mixed; one and a half feet. Price, per pkt., 5c.

## VISCARIA, Rose of Heaven.

Pretty, profuse-flowering plants, adapted for beds, edgings, or clumps, growing readily in any garden soil. Hardy annuals.

**Viscaria**, pink, white, magenta, mixed. Price, per pkt., 10 cts.

## WALL-FLOWER.

A well-known plant, much esteemed for the delicious fragrance of its flowers. Easily raised from seed; suitable for a back-ground and among shrubbery. Half-hardy perennials.

**Wall-flower**, mixed, single; per pkt., 5 cts.; mixed, double; per pkt., 10 cts.; mixed, double, German; extra; per pkt., 25 cts.

## WHITLAVIA.

An elegant annual, producing handsome blue and white bell-shaped flowers. Needs a light, sandy soil; plant the seeds where they are to remain.

**Whitlavia Grandiflora**, mixed. Price, per pkt., 10 cts.

## WISTARIA.

This is one of the most popular of our hardy vines, growing rapidly to a height of fifty feet or more, and when in bloom is truly magnificent, bearing long, pendulous clusters of pale blue flowers. Needs good soil.

**Wistaria sinensis** (Chinese Wistaria). Price, per pkt., 20 cts.

## XERANTHEMUM.

A showy class of everlasting; the flowers, when gathered young, are useful for winter bouquets. Hardy annuals.

**Xeranthemum**, mixed. Price, per pkt., 10 cts.

## ZINNIA ELEGANS.

Very handsome fall-flowering plants of great richness and variety of color. The double Zinnia is one of the finest annuals in cultivation, its splendid double flowers rivaling in beauty, size and form, moderate sized Dahlias. Half-hardy annuals.

**Zinnia**, double; carmine; double, purple; double, crimson; double, orange; double, lilac; double, deep scarlet; double, pure white; double, mixed, very fine. Price, each, per pkt., 10 cts.

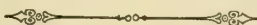
## Quantity of Seed Required to Produce a Given Number of Plants or Sow a Certain Quantity of Ground.

Artichoke.....	1 oz. to 500 plants	Leek.....	1 oz. to 200 ft. of drill
Asparagus.....	.....	Lettuce.....	1 oz. to 5,000 plants
...1 oz. to 60 ft. of drill, or 500 plants		Melon, Water.....	1 oz. to 30 hills
Beans, Dwarf.....	1 lb. to 50 ft. of drill	Melon, Musk.....	1 oz. to 75 hills
Beans, Tall.....	1 lb. 75 hills	Okra.....	1 oz. to 50 ft. of drill
Beet.....	1 oz. to 50 ft. of drill	Onion, Seed.....	1 oz. to 150 ft. of drill
Brocoli.....	1 oz. to 2,000 plants	Onion, Top Sets.....	1 lb. to 20 ft. of drill
Brussels Sprouts.....	1 oz. to 2,000 plants	Parsnip.....	1 oz. to 200 ft. of drill
Cabbage.....	1 oz. to 2,000 plants	Parsley.....	1 oz. to 200 ft. of drill
Carrot.....	1 oz. to 200 ft. of drill	Peas.....	1 lb. to 50 ft. of drill
Cauliflower.....	1 oz. to 2,000 plants	Pepper.....	1 oz. to 1,000 plants
Celery.....	1 oz. to 5,000 plants	Pumpkin.....	1 oz. to 40 hills
Chicory.....	1 oz. to 100 ft. of drill	Radish.....	1 oz. to 100 ft. of drill
Corn.....	1 lb. to 150 hills	Salsify.....	1 oz. to 60 ft. of drill
Cress.....	1 oz. to 100 ft. of drill	Sage.....	1 oz. to 200 ft. of drill
Cucumber.....	1 oz. to 75 feet	Spinach.....	1 oz. to 100 ft. of drill
Egg Plant.....	1 oz. to 2,000 plants	Squash, Early.....	1 oz. to 50 hills
Endive.....	.....	Squash, Winter.....	1 oz. to 15 hills
...1 oz. to 200 ft. of drill, 3,000 plants		Tomato.....	1 oz. to 4,000 plants
Kale.....	1 oz. to 2,000 plants	Tobacco.....	1 oz. to 10,000 plants
Kohlrabi.....	1 oz. to 2,000 plants		



Quantities of Seed Required to Sow an Acre of Ground.

	LBS. TO THE ACRE.		LBS. TO THE ACRE.
Alfalfa.....	20	Grass, Mesquite.....	35
Barley, broadcast.....	125 to 150	Grass, Hungarian.....	25
Beans, dwarf or bush—hills.....	40	Grass, Millet.....	25
Beans, " " drills.....	8c	Grass, mixture for mow- ing or grazing	{ Clover... 10 Timothy. 12 Red Top 15
Beans, Tall or Poll—hills.....	25	Hemp—broadcast.....	40 to 50
Beet, Garden.....	10	Melon, Water—hills.....	2 to 3
Beet, Field.....	8	Melon, Musk—hills.....	2
Broom Corn—drills.....	12	Oats, broadcast.....	80
Buckwheat—broadcast.....	45	Onion, Black Seed—drills.....	5
Cabbage, in beds, to cover an acre after transplanting.....	1/4	Onion, Top Set—drills.....	250
Carrot—drills.....	3	Onion, Black Seed, for bottom sets... 30	
Clover, Red alone—broadcast.....	10	Parsnip—drills.....	5
Clover, White alone—broadcast.....	8	Peas—drills.....	100
Clover, Alsike—broadcast.....	6	Peas—broadcast.....	200
Corn, Sweet or Field—hills.....	15	Potatoes—hills.....	500 to 600
Corn, to cut green for fodder; drills or broadcast.....	125	Pumpkins—hills.....	5
Cucumber—hills.....	2	Radish—drills.....	8
Flax (when wanted for seed).....	30	Rye—broadcast.....	100
Flax (when wanted for fibre).....	50	Sage—drills.....	8
Grass, Kentucky Blue (for pasture)... 30		Spinach—drills.....	10
Grass, Kentucky Blue (for lawns) 50 to 60		Squash, Bush Varieties—hills.....	4
Grass, Orchard.....	40	Squash, Running Varieties—hills.... 3	
Grass, English or Australian Rye (for meadow).....	50	Tomato—in beds, to transplant..... 1/8	
Grass, English or Australian Rye (for lawns).....	75	Turnip and Rutabaga—drills..... 1 1/2	
Grass, Italian Rye.....	30 to 40	Turnip and Rutabaga—broadcast... 3	
Grass, Red Top.....	30	Vetches—broadcast.....	150
Grass, Timothy.....	20	Wheat—broadcast.....	100
		Wheat—drills.....	75



## FRUIT TREES.

*Please Read the following Carefully before Ordering.*

Letters are answered the same day as received, when the name and address are written in full and plainly. Orders are executed as promptly as possible; but as they have to be taken in rotation, some little delay may occur in the midst of the busiest season. In mixed small orders, we sometimes substitute varieties similar to those ordered which we may be sold out of, unless instructions are to the contrary.

### BE VERY PARTICULAR TO SAY WHETHER OR NOT WE MAY SUBSTITUTE.

Prices quoted are for *extra size Trees*, smaller Trees we can offer at lower prices. Special estimates made for Trees in large quantities. Cash must accompany all orders from unknown persons, unless satisfactory reference be given; otherwise, goods will be sent C. O. D. by Express, or if large orders, will be forwarded by Freight, consigned to ourselves, the Bill of Lading endorsed to parties ordering being sent Express, C. O. D. A deposit will be required on orders booked sometime previous to the commencement of the season, or when it is desired that stock be reserved for weeks or months after season commences.

## APPLES.

PRICE—Two years old, 25 cts. each; \$15.00 per hundred; one year old, 20 cts. each; \$12.50 per hundred.

### SUMMER APPLES.

**American Summer Pearmain.** Size above medium; mostly covered with red; quality best. Tree a poor grower; bears well. August.  
**Early Harvest.** Medium to large; pale yellow; fine for eating and cooking. June. July. The earliest good apple.

- Red Astrachan.** Large, deep crimson, flesh white, juicy, rich, acid flavor; best summer apple. June and July.
- Red June Carolina.** Small or medium, deep red; good production, hardy, quite popular. June to July.
- Gravenstine.** A beautiful, large striped roundish apple, of first quality; tree vigorous and very productive.
- Maiden's Blush.** Medium to large size, flat, skin yellow, with beautiful red cheek; good grower and bearer; an excellent apple.
- Chango Strawberry.** Large, red and yellow, handsome. Tree grows and bears well.
- Early Strawberry.** Medium size, covered with red; fine flavor.
- Large Yellow Bough.** Large, pale yellow, sweet, tender and juicy. August.
- William's Favorite.** Large, oblong, rich and excellent; a good bearer. It originated near Boston, Massachusetts, and is highly esteemed in all the New England States.
- White Astrachan.** Large, roundish, skin very smooth and nearly white; a good market sort. August.

### AUTUMN APPLES.

- Alexander.** Very large, mottled with red, mild sub-acid; moderately productive. A very showy apple.
- Fall Pippin.** Very large, rich yellow. Ripens about middle of autumn.
- Gloria Mundi.** Very large, greenish yellow. Valuable for cooking and drying. October.
- Golden Pippin.** Large, pale greenish yellow, tender, very agreeable flavor. November.
- Golden Russet.** Medium, russet color, fine grained with flavor. November.
- Jonathan.** Medium, mostly covered with red, tender, juicy and rich; very productive. October.
- King of Tompkins County.** Large, deep red in stripes, tender, juicy aromatic, sub-acid, strong grower. Ripens October.
- Rambo.** Medium sized, streaked with pale yellow and red, rich, fine flavor. October.
- Rhode Island Greening.** An old, well-known variety which succeeds well everywhere. Can hardly be termed a *winter* apple in this climate.
- Roxbury Russet.** This popular New England apple is a profuse bearer on this coast, but does not keep late.

### WINTER APPLES.

- Baldwin.** An old, well-known, large red apple, succeeds well in all the upper portions of California.
- Ben Davis.** Large, yellowish, almost covered with red; tender, pleasant, sub-acid. October to November.
- Buff.** A large southern apple; where it keeps late; color, yellow, striped with crimson.
- Bell Flower.** Large, yellow; every way desirable, but ripens in November, and is scarcely a winter apple here.
- Esopus Spitzenberg.** Large, rich, red color; fruit of best quality; rather a shy bearer in the lower valleys, but in the northern portion of the State bears freely.
- Grimes' Golden.** This favorite Western apple has not been extensively tested on this coast; size, full medium; color, rich golden yellow; keeps well in its native locality—Western Virginia.
- Hubbardston Nonsuch.** Large, roundish, oblong, striped with yellow and rich; flesh juicy and tender; tree a strong grower, and a good bearer. December.
- Nickajack.** A southern apple, and one of the few which will keep well in the Southern States; large, round, striped apple of fair quality; a strong grower and very hardy and productive.
- Northern Spy.** Fruit large, skin greenish yellow, striped and shaded with dark crimson; flesh fine grain, tender, sprightly and acid, retaining its freshness remarkably to the last; tree vigorous and productive.
- Rawles' Janet.** Full, medium in size, finely striped with red, good quality, and keeps well.
- Rome Beauty.** Fruit large, skin yellow, shaped and striped with bright red; flesh yellowish, tender, juicy, sprightly, sub-acid. October to December.
- Swaar.** Large, pale yellow, tender, rich and spicy; good table apple.
- Smith's Cider.** Large, mottled red and yellow, tender, crisp, sub-acid; very hardy and productive. October to November.
- Wagoner.** One of the very best of our apples; medium or above in size; yellow, covered with scarlet; will keep till mid-winter; tree very prolific.



- Winesap.** Medium size, dark red in the sun, striped, flesh crisp, rich and high flavored; tree a moderate grower and good bearer. November.
- Yellow New Town Pippin.** Large, yellow, firm, crisp, juicy, rich, and highly flavored. This is the best California winter apple. December.
- White Winter Pearmain.** Large, pale yellow, extra high flavor; one of the best for Southern California. December.
- Newton Spitzenberg (Vandevere).** Yellow, striped with red, crimson next the sun, medium size, flesh yellow, rich, and fine grain; tree a fair grower and good bearer. October.

### CRAB APPLES.

- Hyslop.** Large, dark rich red; fine for cooking or cider.
- Red Siberian Crab.** A beautiful little fruit, produced in rich clusters; highly esteemed for preserving. September.
- Yellow Siberian Crab.** Large, beautiful golden yellow.

### PEARS.

#### SUMMER PEARS.

- PRICE—Two years old, 35 cents each; \$3.50 per dozen; \$25.00 per hundred; one year old, 30 cents each; \$18.00 per hundred.
- Bartlett.** Large, bright yellow; the best early pear; excellent for canning and market. August.
- Bloodgood.** Medium; buttery, good. Ripens before Bartlett.
- Beurre Giffard.** Medium, yellowish; flavor very agreeable. Tree hardy and very productive. Ripens after Madeleine.
- Clapp's Favorite.** Large yellow, much like the Bartlett, but a few days earlier. A fine new pear.
- Dearborn Seedling.** Small, pale yellow, melting, fine-grained. Quality best. An early bearer. July.
- Madeleine.** Medium size, juicy, melting, sweet, delicate flavor, very early. June to July.
- Tyson.** Medium or above, melting, juicy, and sweet. August and September.

#### AUTUMN PEARS.

- Belle Lucrative.** Medium size, melting, rich, delicious. September.
- Beurre Boso.** A large and beautiful russet pear; very distinct, with a long neck; high flavored and delicious. October.
- Beurre Clairgoan.** Large, pyriform; rich color. Valuable for market, and bears transportation well. Late fall.
- Beurre d'Anjou.** Large, greenish yellow, sprinkled with russet, and sometimes with a red cheek; flesh melting; tree a beautiful grower and very productive. November.
- Beurre Diel.** One of the latest pears; buttery, rich, and fine. A rapid grower. October
- Beurre Hardy.** Large, greenish, rich, good. It has few superiors as a fall pear, and is a good shipper.
- Beurre Superfino.** Large, yellow, juicy, melting, with a high vinous or sub-acid flavor, a better pear than Louise Bonne de Jersey, which it much resembles in its acid flavor. September.
- Columbia.** A large, showy, good quality fruit; tree of vigorous growth; good shipping pear. November to December.
- Duchesse d'Angouleme.** Very large, sometimes weighs over a pound; greenish yellow, with some russet; very juicy, rich and excellent flavor. October.
- Boyenne du Comice.** A new variety, large, fine, yellow, buttery, vinous perfumed flavor.
- Fall Butter.** (*Virgalieu*.) (White Doyenne.) This old and well-known pear succeeds well in this State, and should be in every collection, however small. Ripens about mid-autumn.
- Flemish Beauty.** Large, pale yellow, with reddish-brown cheek, juicy and sweet. September and October.
- Howell.** Large, handsome, sweet, melting; tree vigorous, hardy, and productive. September.
- Louise Bonne de Jersey.** A large, handsome pear; yellow, with dark-red cheek; melting, buttery, and good. September and October.
- Swan's Orange.** (*Onandaga*.) A very large, melting, sprightly vinous pear, hardy, and extremely productive. October.
- Urbaniste.** A large, melting, buttery pear, of first quality; tree a compact and beautiful grower. September to October.
- Seckel.** Small; yellowish-brown; the richest, highest flavored pear known. September.

## WINTER PEARS.

- Beurre Bretonneau.** Large, golden yellow, melting, sugary, vinous. Keeps till April.
- Doyenne d'Alencon.** Rather large; rich color when ripe; keeps till midwinter; valuable as a shipping pear.
- Easter Beurre.** Excels as a winter pear; fruit large; flesh rich and melting; very delicious; keeps all winter.
- Jean de Witte.** Medium size, yellow, juicy, sweet, pleasant. November.
- Emile d'Hyst.** A large, pyramidal fruit, of the first quality; tree vigorous; a great bearer and good keeper. December.
- Glou Morceau.** Large, fine, yellow, fine-grained, sugary, rich. November.
- Josephine de Malines.** Medium to large size, roundish; pale straw color; melting and delicately perfumed; first quality. January.
- Pound Pear.** A monstrous, very showy fruit, often weighing three pounds; yellow, red cheek; tree very vigorous and productive.
- Vicar of Winkfield.** Quite large, pale yellow, good for cooking. Tree a fine grower and prolific bearer. October.
- Winter Nelis.** Medium; melting and buttery, with rich flavor. One of the best winter pears; November.
- Winter Seckel.** (Dana's Hovey.) Medium size. This is one of the highest-flavored pears; rank next to the Seckel, which it much resembles. December.

## DWARF PEARS ON QUINCE STOCK.

The following varieties we recommend for planting in small gardens in cities and towns. Price, 50 cents each.

Bartlett, Seckel, Beurre Hardy, Doyenne du Comice, Duchesse d'Angouleme, Buerre Diel, White Doyenne, Easter Beurre, Vicar of Winkfield, Winter Nelis, and Winter Seckel.

## PEACHES.

PRICE—One year old, 25 cents each, \$2.50 per dozen, \$15.00 per hundred.

- Brigg's Red May.** Large, bright red on white; juicy, rich. Very early. June 15th.
- Early Crawford.** Very large, flesh yellow, melting, rich, excellent.
- Early Rivers.** A large peach, of good quality; creamy white with light cheek.
- Early Strawberry.** Medium size, flesh whitish, very juicy, delicious flavor.
- Early Tillotson.** Medium size, white with red cheeks; a splendid early peach.
- Hales Early.** Of medium size, flesh white, juicy, rich and sweet.
- Late Admirable.** Very large, flesh greenish white, excellent late peach.
- Late Crawford.** A very large yellow peach with a vinous flavor.
- Madeleine de Courson.** Medium size, flesh white, juicy, rich.
- Morris White.** Rather large; creamy white; flesh white; good rich flavor. Very fine for canning.
- Myers Early Rare Ripe.** Medium size, flesh white, very juicy, delicious.
- Old Mixon Free.** Large, flesh white, rich, sugary vinous flavor.
- Waterloo.** Originated in New York; specimens picked measured ten inches in circumference and ripened several days before Alexander and Amsden, so described by Ellwanger & Barry, of Rochester, N. Y., who introduced this new peach.
- Picquet's Late.** Large; yellow, bright red cheek; juicy, fine flavor. A very desirable late peach.
- Salway.** Large; yellow with brownish-red cheek; very productive. The best very late freestone.
- Bileyeu's Late October.** Large; white with red cheek; flesh white; rich, juicy, and firm; ripens ten days after Smock.
- Bonanza.** Very large; white with red cheek; very fine quality; very vigorous and productive. Really a fine freestone, and from ten to twenty days later than Salway.
- Italian Dwarf.** (*Dwarf Orleans.*) Medium; skin white, juicy, and pleasant. This very curious little tree will prove to be one of the best varieties for orchard houses. A specimen in a pot, in our collection, produced a dozen fine sized peaches. Height of tree, two feet.
- Parson's Early.** Medium size, flesh white, very early. Originated at Sacramento.
- Red Cheeked Melacatone.** Large, flesh yellow, melting, rich.
- Smock's Late.** Large; orange red on yellow, red at stone.
- Ward's Late.** Large; whitish wite red cheek. One of the finest late peaches.
- White Imperial.** Large; flesh white; melting, juicy, delicious flavor.
- Yellow Rareripe.** Large; flesh yellow, sweet, pleasant flavor.



## PEACHES, Clingstones.

- George's Late.** Large; flesh white; splendid new late Clingstone; originated in Sacramento.
- Heath.** Very large, flesh greenish white, juicy, rich, luscious flavor.
- Lemon.** Large, flesh yellow, rich, vinous, sub-acid.
- Newington.** Large; white, juicy, rich.
- Old Mixon.** Large; flesh white, very melting and juicy, rich, luscious, high flavor.

## CHERRIES.

PRICE—Two years old, 40 cents each, \$30.00 per hundred; one year old, 35 cents each, \$25.00 per hundred.

## HEART AND BIGARREAU.

- Banman's May.** Small, heart-shaped, dark red, juicy and sweet. May.
- Bigarreau, Cleveland.** Large, clear red, juicy, rich, sweet, fine flavor.
- Bigarreau, Napoleon** (Royal Ann). Very large, amber spotted with deep red, very firm, excellent flavor, good and constant bearer; late.
- Bigarreau, Rockport.** Large, bright red, sweet, rich, fine flavor.
- Black Eagle.** Large, nearly black, rich, high flavored juice.
- Black Tartarian.** Very large, bright black, rich and delicious; one of the best.
- Brandywine.** Large, yellowish, tender, juicy; fine for culinary purposes.
- Burr's Seedling.** Large, whitish yellow; rich, excellent flavor.
- Coe's Transparent.** Medium size, round, pale amber, very tender, rich, juicy, excellent flavor.
- Downton.** Large, cream color, delicious; rich flavor.
- Early Purple Guinge.** Medium size, purple, juicy, rich flavor; very early.
- Elkhorn.** Large, deep black, very firm.
- Elton.** Large, pale yellow, juicy, very rich, luscious flavor.
- Governor Wood.** Large, light yellow shaded with red, juicy, rich, delicious; one of the best.
- Knight's Early Black.** Large, black, rich and sweet, of high flavor.
- Monstrous de Mezel.** (Great Bigarreau.) Very large, nearly black, firm and juicy

## DUKE AND MORELLO.

- Arch Duke.** Large, dark red, juicy, rich, sub-acid flavor.
- May Duke.** Large, dark red, very juicy, rich, fine flavor, very early.
- Belle de Choisy.** Medium size, pale amber, delicate sweet flavor, good for dessert.
- Early Richmond.** Rather small, rich acid flavor; good for cooking and drying.
- Reine Hortense.** Very large, bright red, juicy, sub-acid delicious.
- Rumsey's Late Red.** Large, rich, red, juicy, very late.

## APRICOTS.

- PRICE—Two years old, 35 cents each, \$30.00 per hundred; one year old, 30 cents each, \$20.00 per hundred.
- Breda.** Small, rich orange yellow, good flavor.
- Early Golden.** When well grown it is medium in size; good quality; tree a great bearer and a great bearer and strong grower; ripens very early in the season.
- Hemskirke.** A large and very fine apricot, nearly as large as Moorpark, and ripens a little earlier.
- Large Early.** Large, juicy, and rich; ripens after Dubois' and before Moorpark.
- Moorpark.** Largest size, rich, yellow; one of the best varieties; freestone.
- Royal.** A fine early variety; popular in many places as a regular bearer; ripens its fruits early on both sides; very vigorous; freestone.
- Shipley.** (Blenheim.) Above medium, flesh juicy and rich; ripens a little earlier than Moorpark.

## PLUMS AND PRUNES.

- PRICE—Two years old, 35 cents each, \$25.00 per hundred; one year old, 30 cents each, \$20.00 per hundred.
- Bleeker's Gage.** Roundish, oval, above medium size, yellow flesh, juicy and rich; separates from the stone.
- Bradshaw.** Very large, purple, juicy, pleasant flavor; flesh adheres to stone. The tree is a strong grower and great bearer.
- Cherry Plum.** A very early, medium size plum, pale red, sweet, juicy.

- Coe's Golden Drop.** An old English variety of superior excellence; large, oval, pale yellow with dots of rich carmine on sunny side; flesh juicy and rich. September. Very valuable for canning.
- Coe's Late Red.** Medium size, round, red, with a red vinous flavor. October and November.
- Columbia.** Very large, purple, round, fine flavor; parts from the stone; is one of the best for drying.
- Damson.** Small, purple with a blue bloom, melting, sub-acid; very productive; good for preserving.
- Duane's Purple.** Large, oval, deep purple; ripens early in the season, and is valuable for market or drying.
- Early Golden Drop.** Small, bright yellow, sugary and rich; separates freely from stone. Early July.
- General Hand.** Very large, yellow, parts from the stone; very productive and good for drying.
- German Prune.** Medium size, oval, purple; make an excellent dried prune; ripens late in season.
- Green Gage.** Small, nearly round, green with golden dots in sun; fruits of the best quality; tree a poor grower but bears freely.
- Ickworth's Imperatrice.** Above medium size, purple, firm, sweet and rich; a valuable variety for market; will keep a long time after being gathered; late.
- Imperial Gage.** Medium size, oval, greenish, very juicy, sweet and rich; valuable for canning. August.
- Jefferson.** Large, oval, yellow, with slight blush on sunny side; freestone; valuable for market or drying.
- Magnum Bonum.** White (Yellow Egg). Very large, yellow, sweet. August.
- Magnum Bonum.** Red (Red Egg). Large, deep red, rather firm and coarse, sub-acid flavor. August.
- Petite Prune d'Angen** (French Prune). Medium size, purple, very sweet, and probably the best prune we have for the purpose of making dried prunes; parts freely from the stone.
- Prince Englebert.** This is one of the best plums; tree a good bearer; fruits large; skin purple, covered with bloom, flesh yellowish green, juicy, sugary; very good. August.
- Peach Plum.** Very large, reddish brown color, nearly round, very handsome; freestone; fine for market.
- Quackenboss.** Very large, nearly black when ripe, flesh sweet and good, adheres to the stone; ripens rather late, and is a good market sort.
- Reine Claude de Bava.** Large, greenish yellow, melting, rich, excellent flavor. Late.
- Royal Hative.** Medium size, light, purple, rich, sweet high flavor. July
- Smith's Orleans.** Large, reddish purple, very juicy, rich vinous flavor.
- Victoria.** An English variety of largest size; beautiful light purple color; sweet but not high flavor; a fine sort for market; freestone.
- Washington.** Large, nearly round, pale yellow, with blush in the sun. It is one of the very best for drying, parts freely from the pit, and the tree is a great constant bearer.

## NECTARINES.

- PRICE—Two years old, 40 cents, \$35.00 per hundred; one year old, 30 cents each, \$20.00 per hundred.
- Boston.** Large, oval yellow, with mottled cheek. Flesh sweet and rich. Freestone.
- Downton.** Fruit large, skin pale green, with a deep violet red cheek, flesh pale green, slightly red at the stone, melting, rich, and very good.
- Early Newington.** Large, pale green, red in the sun; flesh pale red at the stone, juicy and rich, adheres to the stones.
- Hardwicke.** Large, pale green, with violet red cheek, juicy, rich and high flavor. Early August.
- New White.** Large, white, very juicy, with a rich vinous flavor. August.
- Stanwick.** An English variety that has attracted much attention. Many pronounce it as one of the finest variety grown.

## FIGS.

- PRICE—35 cents each, \$25.00 per hundred.
- Black Ishia.** Medium size; dark violet; very sweet and luscious.
- Brunswick.** Very large; brown; rich and excellent flavor
- Brown Turkey.** Very large; purplish brown; excellent flavor.



- Bull's No. 1.** A new variety imported from Australia; said to be among the best.  
**California Black.** Large; dark purple; very productive.  
**Smyrna.** Very large; pale yellow; the best in cultivation in California.  
**White Ischia.** Small; high flavor; good, early bearer.  
**White Marseilles.** Medium size; greenish white; very sweet and rich.

## QUINCES.

- PRICES—Two years old, 50 cents each, \$35.00 per hundred; one year old, 25 cents each, \$25.00 per hundred.  
**Apple or Orange.** Large; bright yellow; abundant bearer.  
**Angers.** Large; yellow; late.  
**Portugal.** Rather superior to all the others in quality; largest size; not so deep orange color as the others; unfortunately a rather shy bearer.

## NUT TREES.

- Almond, Duchess or Paper Shell.** Fruit large, shell very thin; kernel flat and sweet; can be crushed with the fingers. Price, each, 25 cents.  
**Almond, King's Soft Shell.** Shell very thin and soft; bears abundantly. Price, each, 25 cents.  
**Almond, Languedoc.** The well known variety; most extensively planted. Price, each, 25 cents.  
**Chestnut, Italian or Spanish.** A highly ornamental tree; bears a large, excellent fruit. Price, each, 50 cents.  
**Chestnut, Marron de Lyon.** A French variety, fruit very large. Price, each, 50 cents.  
**Chestnut, Marron Combale.** Not so large, but more productive than the former. Both are highly prized and grown largely in Southern Europe. Price, each, 50 cents.  
**Chestnut, Japanese.** A monstrous fruit; larger than the European, and flavored like the "Sweet American." Tree bears quite young. Price, each, 50 cents.  
**Chestnut, Sweet American.** Our native species; smaller than the Spanish, but sweeter. Price, each, 50 cents.  
**Filberts, English Red Hazel.** Price, each, 50 cents.  
**Filberts, Purple-leaved.** Very ornamental; good fruit. Price, each, 50 cents.  
**Hickory, or Shell-bark.** Common in Eastern forests. Price, each, 50 cents.  
**Pecan Nut.** Price, each, 50 cents.  
**Walnut, English or Madeira Nut.** Price, each, 50 cents.  
**Walnut, Dwarf Prolific (*Preparturiens*).** A dwarf-growing, early-bearing variety; suitable for small gardens. Price, each, 75 cents.  
**Walnut, White or Butternut.** Another well-known native species. Price, each, 50 cents.  
**Walnut, Black American.** Native species also, and valuable for its timber. Price, each, 25 cents.  
**Walnut, California.** Native species also, and valuable for its timber. Price, each, 25 cents.

## FOREIGN GRAPES.

- PRICE—25 cents each, \$2.00 per dozen, \$10.00 per hundred.  
**Black Cluster.** Berries middle size, sweet and good.  
**Black Hamburgh.** Bunches and berries large, black, very sugary and rich; one of the best.  
**Black Malvoisa.** Bunches large and long; good for wine and table use.  
**Black Morocco.** Very large, rich, sweet.  
**Black Prince.** Large, juicy, sugary, sprightly flavor; same as Rose of Peru.  
**Bowood Muscat.** A new variety; resembles Muscat Alexander.  
**Buckland Sweetwater.**  
**Buist's Superb.**  
**California Black.** The well-known Mission Grape.  
**Canon Hall Muscat.** Medium size, white grape, very sweet.  
**Chasselas de Fontainbleau. Deacon's Superb, De la Palestine. Early White St. Peters.**  
**Fia Zagos.** A large, white grape.  
**Golden Hamburgh.** A new variety, berries large, white, juicy, sweet, rich.  
**Gros Blue.**  
**Joslin's St. Albans.** (*Chasselas Musque*.)  
**Lady Downs.** Above medium size, black, sweet, richly flavored, very late. November.

- Large Oswellads Noll. Large Black Gubislin. Muscat Black Native. Miller's Burgundy.**  
**Muscat Hamburgh.** A new variety; resembles Black Hamburgh, with Muscat flavor.  
**Muscat of Alexandria.** Bunches and berries large, pale amber, sweet, rich, fine Muscat flavor; one of the best for raisins.  
**Reine de Neice.** (Flame Tokay.) Bunches and berries very large, firm, sweet, very good flavor.  
**Pineau. Resslering.**  
**Rose of Peru.** Very large bunches, berries rounding, brownish black.  
**Trousseau. Syrian. Traminer. Verdal. Victoria Hamburgh. White Frontignan. White Malvasia. White Nice.**  
**White Sweetwater.** Medium size, watery, sweet, one of the earliest.  
**Wilmot's Black Hamburgh.**  
**Zinfandel.** Bunches large, requires to hang several weeks after coloring before it is ripe; valuable for wine.

## AMERICAN GRAPES.

This class of grapes is useful in localities where the more tender foreign varieties will not succeed on account of the severe winters. They are also the best for arbors and trellis growing.

PRICE—25 cents each, \$2.00 per dozen.

- Catawba.** Medium size bunches, berries large, of a coppery red to purple; sweet, foxy flavor.  
**Delaware.** Bunches small and compact; berries small, round, light red to violet; sweet, vinous, with a musky aroma.  
**Concord.** Bunches large, compact; berries large, round, light red, sweet, foxy flavor.  
**Hartford Prolific.** An early ripening sort, with black berries; very hardy.  
**Isabella.** Bunches long and loose, berries large, oval, purple-black, sweet and musky.  
**Rebecca.** This is one of the finest of American grapes, with white berries of a fine and delicious flavor.

## CURRENTS.

Well-rooted bushes, \$1.50 per dozen, \$6.00 per hundred.

- Black Naples.** Berries large and black.  
**Cherry Currant.** The largest of all red currants, a half inch in circumference, bunch fair length, plants vigorous and productive.  
**La Fertile.** Very large, fruit handsome and showy; early and productive.  
**La Versailles.** A French variety, resembling the cherry; of very large size, great beauty and productiveness.  
**White Grape.** Bunch and berry large, with fine transparent skin; less acid than the red currants and excellent for the table.  
**White Dutch.** A fine old white variety, very productive and excellent; not so acid as the red varieties.

## BLACKBERRIES.

PRICE—50 cents per dozen, \$4 00 per hundred.

- Lawton.** This fine old variety is none the worse because it is old. If the berries are allowed to hang on the bushes until fully ripe, they will be sweet and rich. They turn black some days before they are ripe.  
**Kittatinny.** Large, glossy black, sweet and excellent; commences to ripen early, and continues four or five weeks; hardy, vigorous, productive.  
**Wilson's Early.** Fruit large, one of the earliest, succeeds only in certain localities. \$1 50 per dozen.

## RASPBERRIES.

PRICE—50 cents per dozen, \$4 00 per hundred, except where noted.

- Clark.** Large, red, productive; a strong grower.  
**Fastolif.** An English variety of high reputation; strong, erect canes; very large purplish red fruit; rich and high flavored; one of the best.  
**Franconia.** Fruit large, obtuse, conical, dark purplish red, of a rich flavor, and much more tart and brisk than that of the Red Antwerp.  
**Herstine.** A new variety; large, oblong, light, bright crimson, very sweet and high-flavored; separates from the core, moderately firm, perfectly hardy and productive.  
**Knevit's Giant.** Large, red, good.  
**Naomi.** Fine, large red berries, and if irrigated during summer will produce continually from the young canes; the best paying market variety.



- Queen of the Market.** (*Cuthbert*). This is the most promising raspberry in the in the Eastern States; fruit large, of a bright crimson color; being quite firm it stands shipping to distant markets as well as any other raspberry. \$1.00 per doz.
- Red Antwerp.** Large, dark red; good market variety.
- Davison's Thornless.** An early variety of the Black Cap; canes without thorns. \$1.00 per dozen.
- Doolittle's Improved Black.** It is a fine table fruit, medium size, dark purplish black, with a brisk, pleasant, sub-acid flavor.
- Mammoth Cluster.** A variety of the American Black Cap, with stronger and more vigorous canes. It has but few spines, and is the largest and best Black Cap known.

GOOSEBERRIES--American.

- Downing.** Roundish oval, skin smooth, excellent flavor. 25 cents each.
- Houghton's Seedling.** Vigorous grower and free from mildew; very productive. 25 cents each, \$1.50 per dozen.
- Smith's Seedling.** A strong grower; flesh moderately firm, sweet and good. 25 cents each.

GOOSEBERRIES--English.

- PRICE—50 cents each, \$5.00 per dozen.
- Crown Bob.** Very large skin thin, hairy, bright, red, flavor first-rate.
- White Smith.** Fruit large, roundish oblong, downy; flavor excellent. This variety is less liable to mildew than any other English gooseberry.

ORANGES AND LEMONS.

- PRICE—Two years old from graft, \$1.50 each; one year from graft, 75 cents each.
- |                          |                      |                           |
|--------------------------|----------------------|---------------------------|
| <b>Sicily Orange.</b>    | <b>Permaetta.</b>    | <b>Mandarian.</b>         |
| <b>Pernambuco.</b>       | <b>Pumilo.</b>       | <b>Kolah.</b>             |
| <b>St. Michael.</b>      | <b>Navel Orange.</b> | <b>Variegated Orange.</b> |
| <b>Variegated Lemon.</b> | <b>Lisbon Lemon.</b> | <b>Sicily Lemon.</b>      |
|                          | <b>Limes.</b>        |                           |

MISCELLANEOUS FRUITS.

	Each, cents.
<b>Pomegranate</b> .....	.25 to 50
<b>Olives, California</b> .....	50
<b>Olives, Italian</b> .....	75
<b>Loquat (Japan Plum)</b> .....	50
<b>Medlar</b> .....	75
<b>Mulberry, American and Downing's</b> .....	75

STRAWBERRY PLANTS.

- PRICE—\$1.50 per hundred, except where noted.
- The roots encased in damp moss will reach any part of the coast in perfect order for planting. The ground should be sandy loam, well pulverized.
- Boyden's No. 30.** (Seth Boyden), Fruit very large, sweet, bright crimson. Excellent plants, vigorous, healthy, productive, and profitable either for market or home use.
- Captain Jack.** Medium to large, uniform, bright red, firm, handsome, of poor flavor, a healthy, vigorous grower, and very productive. Highly profitable for market.
- Crescent Seeding.** Immensely productive, size medium, rather soft berries bright scarlet, flavor poor. Pistillate.
- Charles Downing.** Grows well in all soils, and is one of the very best for home use or near market; medium to large size, juicy, of the best flavor; bright crimson color.
- Col. Cheney.** Very large, often double, flesh color, and in all respects an excellent table fruit. It is not so attractive as a market berry as the red sorts, nor does it carry so well as the Jucunda, it being too soft for hauling.
- Downer's Prolife.** Plant vigorous, very productive, early and valuable for market; fruit large, conical, bright, clear scarlet, juicy and rich.
- Glendale.** Very late, large, very firm; a strong grower, and very productive; valuable as a market berry on account of its lateness and firmness. 50 cents per dozen; \$2.00 per hundred.



- Jucunda.** This is a splendid berry in all respects; large, bright scarlet, making it very saleable in market; stands up high from the ground, on a stout stem, and bears immense crops. \$1.50 per hundred.
- Monarch of the West.** A very strong grower; color bright red, large to very large size; flavor excellent, productive; does well in all soils everywhere, but pays to give it good care.
- Miner's Great Prolific.** Large to very large; globular, often irregular; deep crimson; good quality and moderately firm. A strong grower, with clean, healthy foliage, and so enormously productive that the berries are literally heaped about the plants. Late.
- President Wilder.** A beautiful berry; we consider it the best flavored of all strawberries; does not succeed well in all localities; large, very firm, juicy, and delicious. 50 cents per dozen; \$2.00 per hundred.
- Sharpless.** A mammoth variety in every respect; berries uniformly very large, deep clear red, moderately firm, sweet, and excellent; vine a strong grower, and very productive.
- Triomphe de Grand (H).** An old sort of the best quality; suitable only for garden culture.
- Wilson's Albany.** Perhaps no strawberry has proved more productive on a great variety of soils than this; fruit large, conic, deep crimson, flesh tender, with a brisk acid flavor.

## JAPANESE PERSIMMONS.

A magnificent new fruit from Japan; tree highly ornamental; fruit beautiful in appearance and excellent in quality. We offer the following varieties imported directly from that country. Each 35 cents, \$3.50 per dozen.

- Among.** Large, round, a little flattened orange color.
- Haycheya.** Large, oblong, rich color; one of the best.
- Kurokuma.** Large, round, a little flattened at the stem.
- Seedless.** Very large, oblong, pointed, high colored, and often nearly or without seeds.
- Zingi.** Medium size, ripens early, and is of the best for drying.
- Masu.** Represented as a new variety of the largest size and finest quality.

## NUMBER OF TREES OR PLANTS ON AN ACRE AT GIVEN DISTANCES APART.

Distance Apart each way,	No. of plants
1 foot.....	43,560
2 feet.....	10,890
3 feet.....	4,840
4 feet.....	2,722
5 feet.....	1,742
6 feet.....	1,210
7 feet.....	888
8 feet.....	680
9 feet.....	537
10 feet.....	435
12 feet.....	302
14 feet.....	222
15 feet.....	193
16 feet.....	176
18 feet.....	134
20 feet.....	108
25 feet.....	69
30 feet.....	48
35 feet.....	35
40 feet.....	27

**RULE**—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which divided into the number of feet in an acre (43,560), will give number of plants or trees to the acre.



# ROSES.

Forty cents, except where noted.

c. CHINA. n. NOISSETTE. b. BOURBON. t. TEA.

## MONTHLY ROSES.

- c. **Agrippina.** Bright crimson.  
**Banksia.** White; very double and fragrant.  
*t.* **Bella.** White.  
**BelleFleur d'Arzens.** Rose, shaded carmine  
*t.* **Bon Silene.** Carmine, tinted with salmon.  
*t.* **Caroline.** Rosy flesh.  
*n.* **Cloth of Gold.** Yellow.  
*t.* **Duchesse de Brabant.** Light carmine.  
*n.* **Euphrosine.** Creamy buff.  
*t.* **Gen. Tartas.** Deep rose, shaded salmon.  
*t.* **Gloire de Dijon.** Cream, shaded flesh.  
*b.* **Hermosa.** Pink.  
*t.* **Isabella Sprunt.** Canary yellow.  
c. **Imperatrice Eugenie.** Rose, shaded salmon.  
*n.* **James Sprunt.** Strong grower; crimson.  
*t.* **Jean d'Or.** Yellow; quite hardy.  
*t.* **Jean Pernet.** Clear yellow; fine bud.  
*n.* **Lamarque.** White, shading to lemon.  
*t.* **La Pactole.** Pale lemon.  
*t.* **Letty Coles.** Rose colored; 75 cents.  
*t.* **Mad. Azalie Imbert.** Salmon yellow.  
c. **Mad. Bureau.** Blush, changing to white.  
*t.* **Mad. de Vatry.** Bright pink.  
*n.* **Marechal Niel.** Yellow, tea-scented.  
*t.* **Maria Sisley.** Yellowish white, margined with rose.  
*t.* **Marie Guillot.** White, with lemon tinge.  
*b.* **Mrs. Bosanquet.** Pale flesh; large and double.  
*t.* **Niphetos.** Pure white; 50 cents.  
*t.* **Pauline La Bonte.** Creamy flesh.  
*b.* **Peerless.** Crimson; hardy.  
*b.* **Phoenix.** Rosy-purple; hardy.  
*b.* **Pierre de St. Cyr.** Rosy-carmine; hardy.  
*b.* **President d'Olbecque.** Crimson; free bloomer.  
*b.* **Queen of the Bourbons.** Carmine and rose.  
*t.* **Safrano.** Saffron-yellow.  
*n.* **Solfaterre.** Light canary-yellow.  
*b.* **Souvenir de la Malmaison.** Pale flesh, large.  
c. **Sanguinea.** Deep Crimson.

- n.* **Washington.** White cluster.  
*n.* **Woodland Marguerite.** White.  
*t.* **White Tea.** Pure white.  
*t.* **Yellow Tea.** Lemon-yellow.

## HYBRID PERPETUAL ROSES.

- Achille Gonod.** Clear, bright rose.  
**Augusta Mie.** Deep blush.  
**Belle Normandic.** Light rose; large and fine.  
**Baron Provost.** Deep rose; very large and full.  
**Caroline de Sansal.** Delicate blush.  
**Doctor Marx.** Rosy-carmine; full; extra.  
**Gen. Jacqueminot.** Crimson-scarlet; fine bloomer.  
**Gen. Washington.** Crimson-scarlet; fine.  
**La France.** White, back of petals rose.  
**La Reine.** Deep rosy-lilac; blooms all summer.  
**Louise d'Arzens.** White.  
**Madame Plantier (Hyb. China).** Pure white.  
**President Lincoln.** Dard red.  
**Souvenir du Comte de Cavour.** Bright crimson.  
**Sydonie.** Light pink.

## CLIMBING ROSES.

- Baltimore Belle.** Pale blush; nearly white.  
**Gem of the Prairies.** Carmine-crimson.  
**Greville, or Seven Sisters.** Blush and crimson.  
**Queen of the Prairies.** Rosy-red.

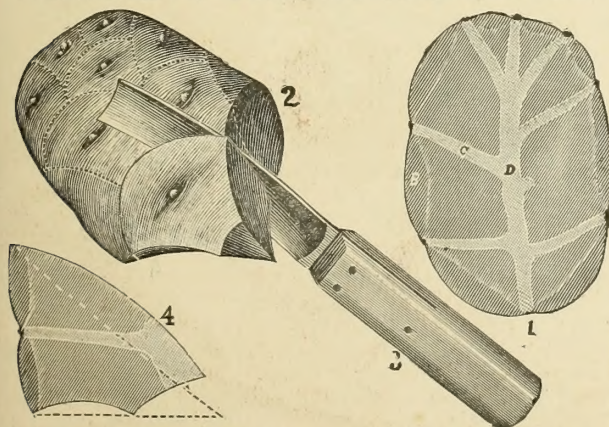
## MOSS ROSES.

Fifty cents each.

- Alice Leroy.** Rosy-lilac.  
**Countess of Murinais.** Pure white.  
**Glory of the Moses.** Rose color; large.  
**Luxembourg.** Brilliant red.  
**Madame Alboni.** Clear pink, changing to purple.  
**Mrs. Wood.** Bright rose; very mossy.  
**Princess Adelaide.** Pink.  
**Salet.** Bright rosy-red.  
**White Perpetual.** White.

NO PLANTS BY MAIL.

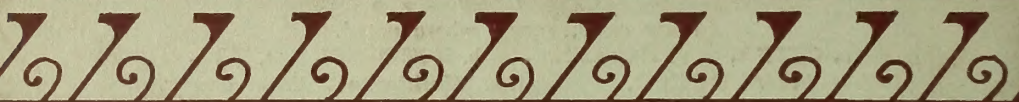
## HUMPHREY'S CONCAVE AND CURVED SEED POTATO-KNIFE.



Cut a potato lengthways (from seed to stem end) through the center (using a thin, sharp, straight knife); then cut a slice about  $\frac{1}{2}$  in. thick from one piece and hold up between you and the light, and feeders will show as in C, Fig. 1 and central stem as D. If these feeders are severed or cut too close in preparing potatoes for seed, the vitality will be greatly reduced. With the Concave and Curved Knife, Fig. 3, this can be avoided. In the combination of Fig's 2 and 3 we show how potatoes can be cut in the best possible manner for seed. Fig. 4, a section of piece actually cut with this knife, shows feeder and portion of main stem. The dotted lines indicate how a straight knife would cut same piece. We claim this knife will cut two or three eyes in a piece. That one eye will be as good or better than a half potato cut the usual way. That a larger yield of all merchantable tubers can be raised with seed cut by this knife. That potatoes can be cut easier, makes a valuable tool for potato grow-

faster and better. The knife is thin, sharp, and being just right shape, ers. Price, 35 cents, postpaid.





THOS A COX & CO.  
409 SAN SOME ST.  
SAN FRANCISCO, CAL.