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# Germain & Sanitt Co.

## CATALOGUE OF SEEDS,

AGRICULTURAL  
& HORTICULTURAL  
SUPPLIES,

And GUIDE FOR THE  
Garden, Field & Farm.

SEED STORE

143 & 145 SOUTH MAIN ST.

NURSERY DEPT.

R. OF 4<sup>th</sup> & LOS ANGELES STS.

Los Angeles, Cal.

1892  
1893.

Price 10 cts.





F. W. BRAUN & CO.,  
Importers and Wholesale DRUGGISTS,

AND HEADQUARTERS FOR

Sulphur, Blue Stone, Copperas, —  
— Insect Powder, Cyanide Potash,

AND ALL CLASSES OF

*Ranch Drugs and Chemicals.*

OFFICE AND SALESROOMS:

401, 403, 405, 407 North Main Street,  
LOS ANGELES, CAL.



MAKES pleasure in placing before the people in Southern California a line of

## Fancy and Staple Groceries

equal in quality and as great in assortment as can be found in any store in the United States. Importing many goods direct, and buying from Manufacturers, Packers and Producers in large quantities, we are, to the delight of the new comers, able to place nearly all goods in our line at prices as low as generally sold in large Eastern cities. Our constant aim is to please the people, and so well have we succeeded, that our present quarters, though enlarged four times since our start nine years ago, are taxed to their utmost capacity.

## Our Tea Department

has received the closest and skillful attention, and we never fail to please the most exacting in their wants of a fine cup of Tea. You will find in our stock the choicest **Formosa Oologs, Moyune Gunpowders and Young Hysons, Pan Fired and Basket Fired Japans, English Breakfasts, Indian and Assam Teas,** varying in price from 25 cents to \$1.50 per pound, very excellent qualities at 50 cents per pound.

A trial will convince you that we are the house to buy Tea from.

136 & 138 NORTH SPRING ST.,  
LOS ANGELES, CAL.



# To Our Customers and the General Public.

**Notice of Removal.**—On account of our large and rapidly increasing business, we have been compelled to remove from the "Baker" Block to more commodious premises, and have consequently leased the extensive premises at 143 and 145 South Main Street, (three doors from the Chamber of Commerce.) Our new store and warehouse is 175x55 feet, with cellar corresponding, thus giving us nearly 20,000 square feet of room for storage purposes. We have had it handsomely fitted up, and it will bear favorable comparison with any Horticultural store in this country, outside of New York City.

Our Customers will find it replete with every Horticultural requisite, including Vegetable, Tree, Flower, Grass, Fruit and Agricultural Seeds of all kinds. Implements, (Agricultural and Horticultural) Plants, Cut Flowers, etc., etc. We have also fitted up a Floral room for the display of all kinds of Fancy Goods, as Baskets, Wreaths, Dried and Dyed Flowers and Grasses, etc. We can assure our country visitors that it will be found one of the principal attractions of the city, and we invite all our friends and customers to pay us a visit and judge for themselves.

**This Catalogue** will be found to contain only those varieties of approved worth *in this climate*. We have carefully weeded out those kinds that, from our own experience, do not succeed well in this section.

**Testing.**—Our Seeds, on arrival, are immediately thoroughly and carefully tested, *by count*, and only those stocks that grow a very strong percentage are kept in stock and sent out. Those of inferior growth are at once returned and charged back to the growers.

**Sources of Supply.**—Our sources of supply are world-wide. Whenever California grown seeds are obtainable, and will prove equal in quality to Eastern and European seeds, we prefer them, on account of their superior germinating power.

In the case of Cabbages, Cauliflowers, and some other seeds, we find that those saved in colder climates are *surer to head*, and so we contract with the most reliable Eastern and European growers for them.

**Prices.**—On account of the extremely wet spring in the Eastern States and Europe, many seeds are very scarce and dear this year. We have, however, secured a full supply, and have endeavored, as far as in our power, not to increase our prices to any appreciable extent. We are satisfied that no other firm in California can undersell us, the quality of the seed offered by us being taken into consideration. Poor and inferior seeds, of doubtful quality, are worse than worthless to the buyer, as he loses not only the time and labor expended, but the season also. Poor, cheap seeds are the dearest in the end. The prices annexed to Vegetable Seeds by the pound, to Beans, Peas, Corn, Grass and Clover Seeds, Bird Seeds, Agricultural Seeds of all kinds, and Onion Sets, being regulated by the Eastern markets, *will be liable to fluctuation*, and we can not bind ourselves to fill orders at the prices herein given for the entire season.

Our customers may, however, rest assured that we will give them every advantage as to price, and, as before intimated, that for seeds of first quality, we will not be undersold.

Our Flower Seed list has been thoroughly revised, and instructions especially suited for this section of the country have been appended by a skilled botanist. Descriptions are also added, as fully as space will allow in a Seed Catalogue.



**Our Tree, Shrub and Palm Seeds** are specially collected for us in different parts of the world, and as they ripen at various seasons, orders for them will be filled as far as possible, and any varieties not on hand will be booked and immediately forwarded on arrival of New Seeds.

**In Our List of Eucalypti** will be found several varieties not before offered in California. We have endeavored to classify the *Eucalypti* according to their uses, and hope it will simplify the work of selection of varieties to our customers.

**Our Trade in Alfalfa, Clover, Grass,** and all other agricultural seeds is the largest in this section, and everything is supplied clean and true to name.

**Our Bulb, Plant and Tree Lists** contain those varieties most suitable for Southern California and vicinity. They can be personally inspected at our Nurseries, corner Fourth and Los Angeles streets.

Among our floral decorations will be found many novel art designs, especially would we call attention to the beautiful metallic designs recently imported by us from Germany. (Incidentally we may remark that this importation was the first bonded lot of goods opened and examined at the new Los Angeles Custom House.) These designs are practically imperishable. Yet their resemblance to nature is so great as to frequently deceive all but the most experienced eyes. We have also a magnificent line of artificial plants in pots, manufactured by the most skillful artists, imitating nature with the utmost fidelity. They are made of metal, with perfect leaves, buds and flowers. We have marked these goods down, and now they are within the reach of everyone.

Our list of horticultural tools and requisites will commend itself. Therein will be found everything that will economize time and labor in garden, field and orchard operations, also all the most effective Insecticides and Fertilizers.

**Non-Warranty of Seeds.**—We exercise the utmost care and vigilance in testing all seeds sold by us, but owing to uncontrollable influences and accidents, (such as bad weather, improper soil, insects, etc.,) the best seeds will sometimes fail. We have therefore, in common with all other large seed firms in the United States—members of the American Seed Trade Association—adopted the following disclaimer: “While we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions, they must be returned at once, and the money that has been paid for the same will be refunded.” Our customers may, however, rest assured that we shall sell none but the best seeds, both as to germinating power and purity of stock.

We shall greatly value your recommendation of our “tested” seeds to your friends and neighbors, and should the recipient or recipients of this catalogue have no use for it, will he or they kindly hand it to some one interested in horticulture.



# Instructions to Correspondents.

**How to Order.** With this catalogue is enclosed an "Order Sheet" which explains itself, and which we request all our customers to use. Should our customers require more order sheets we will, at all times, mail them free on application. Please remember to write your *Name, Post Office, County and State* as distinctly as possible, especially the name; also the *nearest Express Office*, or, if on a stage route, send us the special directions, giving us the name of the Express Company delivering goods, when ordered to be shipped in this way. When these conditions are complied with, we will guarantee the safe arrival, in good condition, of all orders shipped by us.

**How to Remit.** We decline sending perishable goods, as bulbs and plants, C. O. D., unless a remittance of 50 per cent. accompanies the order, to insure us against loss. Orders from unknown correspondents must be accompanied by cash, or satisfactory reference. Cash may be remitted by Post Office order, Registered Letter, or, in the case of large sums, by Express. Small sums of less than one dollar may be forwarded in postage stamps.

**Mode of Forwarding.** We will forward, free by Mail, to any part of the United States, at the retail price annexed, all Vegetable, Tree and Flower Seeds, with the exception of Beans, Corn and Peas, and where otherwise noted, for either of which ten cents per pound must be added, when ordered by mail. We, however, reserve the right to send parcels of seeds by Express, *prepaid*, when it is to our advantage. All Bird, Grass, Clover and other Agricultural Seeds, when ordered by Mail, will be subject to a charge of ten cents per pound for Postage. When Postage is not added these goods will be sent by Express or Freight at purchaser's expense.

**Order Early.** We would advise our customers to order early, as in the press of the busy season it is sometimes impossible to fill orders the same day as received. We endeavor to avoid delay, and our system of rechecking is as nearly perfect as can be, thus very few errors occur in our business. Still, we cannot claim infallibility, therefore, should any customers detect any error in the execution of their orders, they will at once please notify us of the fact and we will rectify immediately, if possible.

We issue a *Wholesale Price List to Dealers and Storekeepers*, which will be mailed on application, if *business card is enclosed*.

This catalogue will be mailed free to all our former customers. *Non-customers* will please, on application, enclose ten cents to cover postage, which may be deducted from first order amounting to *One Dollar* sent us.

Soliciting your esteemed orders, which shall have prompt and careful attention, we are, yours faithfully.

GERMAIN FRUIT COMPANY,

Seed and Nursery Department.

EUGENE GERMAIN,

President, Treasurer and General Manager.

Los Angeles, Cal., November 1st, 1892.





## A FEW SIMPLE RULES

—FOR—

# Successful Seed Sowing and Vegetable Raising.

First. Choose the location for your garden on a sheltered, sunny slope, if possible, and with thorough drainage.

Second. Do not attempt too much. Two acres well cultivated will produce more than five under slovenly cultivation.

Third. Fertilize liberally before plowing or harrowing.

Fourth. Plow deeply and repeatedly and work the soil to as fine a tilth as possible before planting.

Fifth. Keep weeds down. The old adage, "One year's seeding makes seven year's weeding," is correct.

Sixth. Cultivate frequently. Good tillage always pays, and prevents the soil from baking.

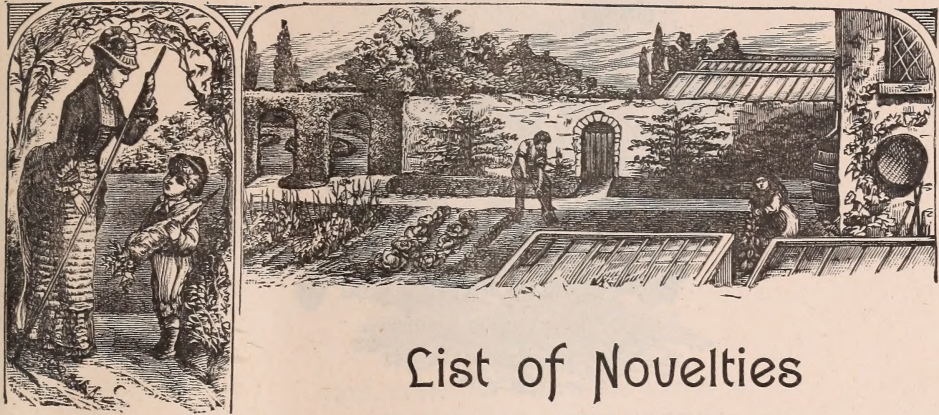
Seventh. Attend strictly to *Rotation of Crops*. Do not let two tap-rooted crops, (as Carrots and Parsnips), follow each other, nor two exhaustive *Head Crops*, (as Cabbages and Cauliflowers). Let the soil have time to recuperate its exhausted fertility. Follow Carrots, for instance, with a surface, shallow feeding crop, as Peas, or Vine crops, as Melons and Squashes.

Eighth. Watch closely for insects. Hammond's "Slug Shot" is very valuable to dust over young plants, as it is only destructive to insects, and is innocuous to larger forms of animal life. It does not harm poultry, and acts on the plant as a fertilizer.

Ninth. Buy your seeds only from a reliable seed house, whom you are sure test them before sending out, and supply only varieties true to name.







1892

1893

## List of Novelties

And varieties of Special Merit never before offered by us. These are all expected to be on hand by December 1st, but should we not possess any variety ordered, we will book it, and forward the same immediately on arrival.

### BEANS.

Canadian Wonder, (see cut). This is without exception the most productive dwarf bean yet introduced. The pods, which are produced in the greatest abundance, are very fleshy and exceedingly tender when cooked. Excellent as an exhibition variety



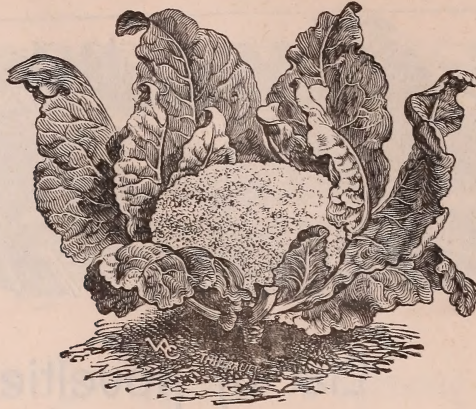
CANADIAN WONDER BEANS.

In  $\frac{1}{2}$  lb. pkts., by mail, 25c.; in 1 lb. pkts, by mail, 40c.

### CAULIFLOWER.

Early Puritan, (see cut). A new variety, highly recommended as being very early, solid, of good size, and a sure header.





CAULIFLOWER—EARLY PURITAN.

Per pkt. 25c. ; per  $\frac{1}{4}$  oz. \$1 00; per oz. \$3 00.

## CUCUMBER.

Climbing Delicatessen, (see cut). A distinct new variety, climbing up stakes and trellises, 8 feet in height, producing cucumbers 8 to 10 inches in length, of very fine flavor. Habit of plant very vigorous and healthy, but a shy seeder. Seed very scarce. Per pkt. of 10 seeds, 25c.



CUCUMBER—CLIMBING DELICATESSEN.

Per pkt. Per oz. Per  $\frac{1}{4}$  lb. Per lb.

Crosse & Blackwell's Pickling. The variety used by the above celebrated London firm. Very early and productive, flesh crisp and tender; fruit dark green, which color it retains as pickles, 10c. 20c. 50c. \$1 50

New Siberian. The earliest cucumber known, having produced fruits five inches long within *fifty-five days*, from the time of sowing the seed *in the open ground*. Of medium size, a splendid free bearer, fruit straight, smooth, tender and crisp, 10c. 20c. 50c. \$1 50

## LETTUCE.

New Longstanding White Cos, (blackseed), (see cut). In shape this variety resembles the White Seeded Giant Cos lettuce, but it heads much better and the leaves are firmer and more numerous. It is very slow to run to seed, and withstands the heat better than any other variety.





LONG STANDING WHITE COS LETTUCE.

Per pkt. 10c, per oz. 30c, per  $\frac{1}{4}$  lb. \$1 00.

### MELON—WATER.

Dixie. A new Southern variety surpassing the famous Kolb's Gem as a shipping melon, and is unexcelled for quality and productiveness. Of large size and fine flavor.

Per oz. 20c, per  $\frac{1}{4}$  lb. 50c, per lb. \$1 50.

### OKRA.

New White Velvet, pods round, smooth, free from seams, exceedingly tender, well flavored and very prolific. The best of the Okras.

Per pkt. 10c, per oz. 25c, per  $\frac{1}{4}$  lb. 75c.

### PEPPER.

Red Cluster. As implied by the name, this variety fruits in bunches at the end of each branch. The thin peppers are of a brilliant coral red color, and very hot in flavor.

Per pkt. 10c, per oz. 50c.

### ROSELLA.

(Hibiscus Rosella). A tropical plant, native of India, which will succeed in this climate. The seed should be sown in February, on bottom heat, and treated like the egg plant. From the fleshy calyx of the flower a beautiful preserve is made in Australia, which is like, but an improvement upon, that made from black currants. The flowers are also very handsome.

Per pkt. 25c.

### SUGAR BEET.

New Kleinwanz-lebener, (see cut). This new German variety, as reported by Dr. H. W. Wiley, of the U. S. Department of Agriculture, exceeds all others in the amount of sucrose in its juice, and also in its yield. According to his analytical table, the yield of the Kleinwanz-lebener was  $22\frac{1}{2}$  tons of beets per acre, from which upward of 6,200 lbs. of sugar were extracted, being 400 lbs. more sugar per acre than extracted from any of five other varieties tested and analyzed under the same conditions. It has also been largely experimented with at the various State agricultural stations throughout the country, with the same gratifying results.



BEET—KLEINWANZ-LEBENER.

Per pound, by mail, post paid, 50c. In lots of 10 lbs. by express, at purchaser's expense, per lb. 35c. Prices for large lots sent on application.

## GRAINS.

### BUCKWHEAT.

New Japanese, (see cut). A distinct variety, with grains nearly twice as large as those of the common kind. The straw is stouter and heavier, it branches more and does not need to be sown as thickly. It is a very heavy cropper, and less likely to blight than the other varieties.



Per lb., by mail, postpaid, 25c; by express, at purchaser's expense, per 100 lbs., \$10.



**BARLEY.**

Chevalier. Originated in Scotland, where the growers claim the extraordinary yield of 3,500 lbs. per acre. It is a two rowed barley, and sells well for malting.

California raised, per 100 lbs. \$2.25. Imported, per 100 lbs., price on application.

**OATS.**

Lincoln.—Claimed to be the earliest and thinnest hulled oat yet introduced. Enormously productive. Average weight 45 lbs. per measured bushel.

In sealed bags only, (each bag containing one standard bushel of 32 lbs). At \$2 50 per bag.

**NEW GRASS.**

Natal Red Grass.—This variety thrives well in the hot, dry climates of Australia and South Africa. It is particularly adapted for dry, sandy soils; stands repeated cropping, and is much relished by stock of all kinds. We think it will prove very valuable in this section, and expect to be able to procure a small quantity for trial.

In sample packets only. Per pkt. 15c.

**NEW AND RARE FLOWER SEEDS.**

- |   |                 |
|---|-----------------|
| Allamanda Schottii.—A handsome climbing shrub, producing immense numbers of large, funnel shaped, deep yellow flowers. They delight in a warm, moist situation, and require protection against frost,   | Per pkt.<br>25c |
| Anchusa Capensis, (Cape Alkanet.)—An annual, with charming azure blue flowers; a long bloomer; splendid for bouquets,   | 15c             |
| Asperula Odorata, (Woodruff.)—A hardy perennial plant, with white flowers and delightful fragrance. When wilted it has the odor of new mown hay, and if kept among clothes will preserve them from moths. This plant forms the chief ingredient of the German "Maitrank," | 15c             |
| Boltonia Latisquama, (see cut.)—A plant belonging to the compositæ family, and much resembling the Aster, blooming abundantly, with whitish flowers; a good plant for borders,  | 25c             |



BOLTONIA LATISQUAMA.



Carnation Pink, "New Marguerite," (see cut.)—A new class, which has justified the highest expectations. Seedlings begin blooming the fourth month from time of coming up and produce constantly a rich display of very sweet scented flowers.

25c



Echium Creticum, "Vipers' Bugloss."—This plant belongs to the same family as the Heliotrope. Of easy growth, with fine scarlet flowers; excellent for bees, -  
 Hollyhocks.—We have often been asked for distinct colors of this noble plant, but have hitherto been unable to supply them. This season we have secured a supply of seed in the following separate colors, saved from Sutton's choicest English strains, and from the finest double flowers only:

15c

- Double white,
- “ “ shaded rose,
- “ “ “ purple,
- “ crimson,
- “ cream, shaded purple,
- “ maroon,
- “ pink,
- “ salmon rose,
- “ yellow.

Any of each of the above colors, - - - - -  
 One pkt. of each of the above nine separate colors for \$1 25.

15c

Humulus Japonicus, "Japanese Hop."—A beautiful annual climber, which may be sown in open ground in spring, and attaining immense proportions in a short time. The foliage is nearly similar to that of the common hop, and it will be found very useful for covering verandahs, trellis work, fences, etc., - - -

15c

Hyacinthus Candicans.—A showy perennial bulbous plant, throwing up a spike 3 to 4 feet high, bearing from 20 to 30 Yucca like flowers, pure white and fragrant,

15c



- Lasiandra Macrantha*.—A most beautiful plant, producing flowers abundantly 3 to 4 inches across, and of a rich violet blue, one of the finest autumn flowering evergreen shrubs, - - - - - 25c
- Nicotiana Colossea*, "New Giant Tobacco."—This plant is said to be one of the finest and most distinct novelties sent out for many years. It is a biennial, with a strong, tree like trunk. Its leaves are elliptic in form, about 3 feet in length by 1½ feet wide, dark green and velvety, with pink midrib. It attains a height of 8 feet, and is of a pyramidal form. Should be largely planted in parks and large gardens for decorative purposes, - - - - - 25c

### SWEET PEAS.

New "Sherwood Hall" varieties.

The following are among the best and newest of the famous "Sherwood Hall" collection:

- |   | Per pkt. |
|---|----------|
| Mrs. Gladstone.—Delicate pink standards, wings blush, edged with delicate pink, exquisite, - - - - -                            | 15c      |
| Empress of India.—Clear, rosy pink standards, with white wings, very large and pleasing, - - - - -                              | 15c      |
| Purple Prince.—Maroon standards, shaded with bronze and purple blue wings, very fine and distinct, - - - - -                    | 15c      |
| Mrs. Sankey.—Pure white, a large, bold flower. A fine improvement on the whites, very grand, - - - - -                          | 15c      |
| Primrose. A near approach to yellow, quite novel and distinct in color. Standards and wings of a pale primrose color, - - - - - | 15c      |
| Countess of Radnor, pale mauve, magnificent, - - - - -  | 15c      |
| Countess of Radnor, dark mauve, magnificent, - - - - -  | 15c      |
- One pkt. of each of above new varieties of sweet peas, free by mail, for 75c.

### TREES AND SHRUBS.

- |   | Per Pkt. |
|---|----------|
| <i>Grevillea Buxifolia</i> , "Box leaved Grevillea." A neat growing evergreen shrub, about 8 feet high. - - - - -   | 25c      |
| <i>Grevillea Cinerea</i> . Shrubby growing, about 4 feet in height, with ashy gray foliage, - - - - -   | 25c      |
| <i>Grevillea Hillii</i> . A fine small tree, growing about 15 feet high, with evergreen, poplar like leaves, - - - - -  | 25c      |
| <i>Sterculia Platanifolia</i> . Very ornamental, with large plane-like leaves. This and the following variety make excellent trees for avenue or park planting, - - - - - | 25c      |
| <i>Sterculia Populifolia</i> . ( <i>Heterophylla</i> ). A very ornamental tree with poplar-like foliage. Height 40 feet, - - - - -  | 25c      |

### HEDGE PLANTS.

African Box Thorn, (*Lycium horridum*). A very valuable hedge plant. We quote the following extract from the Los Angeles "Evening Express" of July 29th, 1892, relative to its merits:

#### PROOF AGAINST HORSE AND HOG.

*A New Hedge which Will be Introduced in this Locality.*

"Thomas B. Merry, who was formerly connected with the Melbourne Exposition, has presented the Park Commissioners a package of the seed of the Australian box thorn, ob-



tained originally from South Africa. Mr. Merry says in his letter to Commissioner Hutton: 'I deem it the greatest hedge plant in the world. It can either be sown where it is meant to grow, or it can be sown in a nursery and planted from the quicks. Once planted it is eternal. Its seed comes in a pod something like those of the rose bush. If planted this fall when the rains come you would have seed to sell by November, 1895. My idea would be to have only the outer boundary of Elysian Park planted with it. It will make a live fence proof against *horse, hog or rhinoceros*, and last for ages.' "

Per pkt. 25c, per oz. \$1 00.

*Ulex Europæus*. "Furze," "Gorze" or "Whin." This is by no means a novelty, but it is rarely seen in California. A valuable hedge plant, with bright yellow flowers. Sheep and cattle browse on the young growth with avidity.

Per oz. 25c., per lb. \$2 50.

PALMS, CYCADS, ETC.

	Per seed.	Per 10 seeds.
<i>Bowenia Spectabilis</i> .—A rare and remarkable Queensland Cycad, with fern like fronds, and much valued in botanical collections on account of its beauty and rarity.	20c	\$1 50
<i>Draçena Cannœfolia</i> .—Broad, Canna like leaves. Grows to a height of 8 feet. Per 100 seeds. \$1 00.		
<i>Kentia Exorrhiza</i> .—From North Australia. A beautiful palm, with pinnate leaves, very rare,	20c	1 50
<i>Kentia Moorei</i> .—The "Dwarf" palm of Lord Howe's Island, and the most graceful of the genus. Seeds are smaller than any of the other Kentias. This is nearly extinct, and very rare. Per 10 seeds \$2 50, per 100 seeds \$20 00.		
<i>Macrozamia Corallipes Gyrata</i> .—This is a Cycad, native of New South Wales, with curious twisted fronds. Trunk sometimes found as large as a flour barrel. Seeds as large as a Brazil nut,	25c	2 00
<i>Macrozamia Dennisonii</i> .—Native of Queensland, and one of the most ornamental Cycads, and if known generally, would supersede <i>Cycas Revoluta</i> for decorative purposes,	25c	2 00
<i>Sagus Vitiensis</i> , "True Sago."—A native of the Fiji Islands and a beautiful, tall growing palm. This is the palm from which the True Sago of commerce is prepared, not the <i>Cycas Circinalis</i> , as generally and erroneously supposed,	30c	3 00
<i>Zamia Spiralis</i> .—A beautiful Cycad. Native of Australia. Like other Cycads, it is intermediate between the tree ferns and palms. This is one of the best of the genus,	20c	1 50





## Vegetable Seeds---General List.

NOTICE.—In ordering Seeds, please notice that ounce prices will be charged for quantities less than one-quarter pound, and pound prices for less than ten pound lots. All Vegetable Seeds, except where otherwise priced can be supplied in packets at 5 cents each—50 cents per dozen. We have affixed the names of the Vegetable Seeds in three languages—the first, Spanish; second, German; third, French. The English name is of course given in the heading.

### ARTICHOKE.

*Alcachofa—Artichoke—Artichauto.*

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. The parts used are the fleshy substance on the bottom of the scales of the immature flower heads.

**Large Green Globe**—The largest and best (see cut). oz. 30c.; lb. \$3 50.



Large Green Globe.

### ASPARAGUS.

*Esparrago—Spargel—Asperge.*

Sow in rows a foot apart. Keep carefully hoed and clear from weeds, and the plants will be in condition to set out when one year old. The soil for the permanent beds should be thoroughly manured and trenched to a depth of at least two feet. Plant in rows three feet apart, and one foot between the plants in the rows; spread the roots well out, and let the crown of the plant be covered about six or eight inches when established. Previous to sowing the seeds, soak in tepid water for twenty-four hours.



Conover's Colossal.  
Per oz. Per lb.

Conover's Colossal, unexcelled in quality and productiveness, (see cut).....	Per oz.	Per lb.	Palmetto, an excellent variety, very large.....	Per oz.	Per lb.
	10c	50c		25c	\$2 50

### BEANS—ENGLISH.

*Haba—Puff bohne—Feve de Marais.*

All beans ordered by mail will be charged 10 cents per pound additional for postage.

Drop early in spring, three inches apart, in drills two or three feet apart. When in full bloom nip an inch or two off the end of each stem. A strong, heavy soil, with considerable portion of clay, suits them best.

Early Long Pod, good and productive..	Per 100 lbs.	Per lb.	Broad Windsor, largest and best.....	Per 100 lbs.	Per lb.
	\$6 00	10c		\$6 00	10c

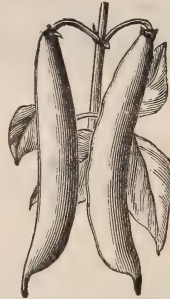
**BEANS—DWARF or BUSH.**

*Frijoles—Bohne—Haricots Nains.*

Select light, rich soil and plant two inches deep, in drills two feet apart. The plants should be about three inches apart, and the earth around them kept loose and clean. The vines should not be disturbed when they are wet, as it would be liable to cause rust. It is better to defer planting until the weather has become warm and settled, as these varieties are not hardy, and will not endure the least frost or cold.



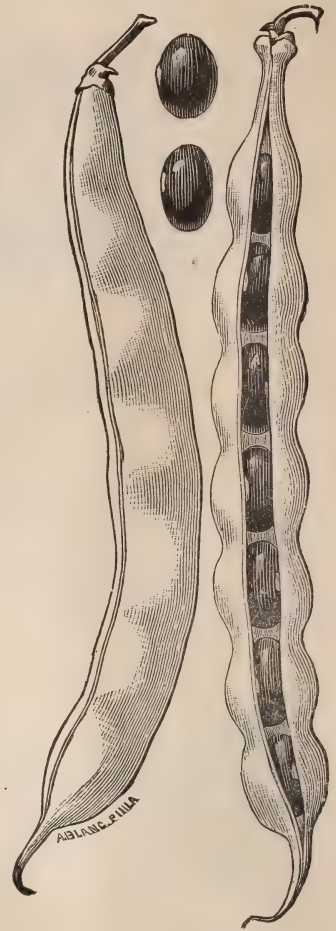
Flageolet.



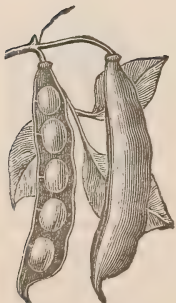
Dwarf Golden Wax.



Early Red Valentine.



Dwarf Black Wax.



Early Long Yellow Six Weeks.

	Per 100 lbs.	Per lb.
<b>Dwarf Black Wax</b> , pods transparent and yellow; a superior variety (see cut).....	\$12 50	15c
<b>Dwarf Golden Wax</b> , (see cut), an early stringless Bean; pod of golden wax color, and of excellent quality,.....	12 50	15c
<b>Dwarf White Wax</b> , seeds white; pods very tender and delicious.....	12 50	15c
<b>Early Fejee</b> , extremely early and very prolific; pods green.....	15 00	20c
<b>Early China</b> , or "Red Eye," an old standard variety, very popular.....	12 50	15c
<b>Early Mohawk</b> , very hardy and productive.....	12 50	15c
<b>Early White Navy</b> , or <b>Pea Bean</b> , a small almost round variety, very productive; standard field sort.....	4 00	5c
<b>Early Valentine</b> , productive, tender, and of excellent flavor (see cut)....	12 50	15c
<b>Flageolet Wax</b> , one of the best wax sorts; early, very productive, with pods fully one-third longer than any other variety of Wax Bean (see cut).....	17 50	20c

	Per 100 lbs.	Per lb.
<b>Long Yellow Six Weeks</b> , tender and succulent; a much esteemed variety (see cut).....	\$12 50	15c
<b>Large White Kidney</b> , excellent as a shelled bean, green or ripe, of tender quality and good flavor...	12 50	15c

	Per 100 lbs.	Per lb.
<b>Refugee</b> , or <b>Thousand-to-One</b> , a very productive sort; best for pickling.....	\$12 50	15c
<b>White Marrowfat</b> , exclusively grown as a bean for winter use.....	12 50	15c

**Dwarf Lima**, very productive.....per lb. 15c



**BEANS—POLE OR RUNNING.**

*Frijole, de Bejuco—Stangen Bohne—Haricots a Rames.*



German Wax Pole.



Lazy Wife's Pole Bean.



Snake or Asparagus Bean.

These varieties require a strong, rich soil. Plant in well manured hills, three feet apart each way, covering to a depth of two inches. In each hill set a pole eight or ten feet long around which plant five or six beans, and afterwards thin out, leaving four strong, healthy plants to each hill. They may also be grown without poles, allowing the vines to run, planting in hills four feet apart.

	Per 100 lbs.	Per lb.
<b>Large Lima</b> , unsurpassed in quality as a pole bean; plant when the ground is dry and warm.....	\$8 00	10c
<b>Lazy Wife's</b> , very productive; a fine snap bean (see cut).....	15 00	20c

	Per 100 lbs.	Per lb.
<b>Asparagus, or Snake</b> , produces pods 12 to 18 inches long, thin and very tender (see cut), per oz. 10c.....		75c
<b>Boston Market Pole Cranberry</b> , favorite sort with market men .....	\$12 50	15c
<b>Cut Short</b> —Our stock is the pure variety. It is the finest cornfield bean grown; takes to the corn as no other bean will. Very productive; very rich when green or dry.....	12 50	15c
<b>Dutch White Case Knife</b> , one of the earliest; very productive.....	12 50	15c
<b>Dreer's Improved Lima</b> , larger yield, and much earlier than the large Lima..	15 00	20c
<b>German Black Wax</b> , excellent variety, either for snaps or shelled; fine, tender, rich colored pods; very productive (see cut).....	15 00	20c
<b>King of the Garden Lima</b> , new variety; pods long, containing from 5 to 6 beans	15 00	20c
<b>Scarlet Runner</b> , height, six feet; cultivated for the beauty of its flowers, and also for a useful vegetable. A leading table pole bean in European markets.....	15 00	20c

**BEETS.**

*Remolacha—Rothe-Ruben—Betterave.*

Select a deep, rich, sandy loam, and manure with well decomposed compost. Sow in drills fourteen to sixteen inches apart, and cover one inch deep. When the young plants appear, thin to four or five inches apart. The plants make excellent "greens." The Mangel Wurzels are grown principally for stock, and as they grow larger require more room. They should be grown in drills two and a half feet apart, and the plants be thinned to twelve or fifteen inches in the row. One ounce of seed will sow about 50 feet of row.



Eclipse Blood Turnip.



Long Smooth Blood.



Egyptian Turnip Beet.



Dewing's Early B. T. Beet.

**BEETS—Continued.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Bastian's Early Blood Turnip</b> , one of the earliest; color very dark red.	10c	50c	<b>Egyptian Dark Red Turnip</b> , very early; roots deep red, tender and delicious (see cut).....	10c	75c
<b>Dewing's Early Turnip</b> , an excellent variety for summer or winter use; roots good red, handsome shape, and of fine quality (see cut).....	10c	50c	<b>Long Smooth Blood</b> , one of the best varieties for general or winter use (see cut).....	10c	50c
<b>Early Bassano</b> , one of the earliest; very tender and juicy.....	10c	50c	<b>Swiss Chard, or Silver</b> , this variety is cultivated for its leaf-stalks, which are served up much like Asparagus, and for its leaves, cooked as Spinach. Cut often, new and more tender stalks will be produced.....	10c	80c
<b>Eclipse Blood Turnip</b> (see cut), an early variety of excellent quality....	10c	50c			
<b>Edmund's Blood Turnip</b> , very desirable for market gardeners.....	10c	50c			

For best varieties of Sugar Beet and Mangel Wurzel for feeding stock, see Agricultural Seeds.

**BROCCOLI.**

*Brocoli—Spargelkohl—Broccoli.*

Closely allied to the Cauliflower, but hardier. Sow the seeds in beds and transplant to rich, mellow ground, two feet apart. A light free loam, well enriched with rotted stable manure is best. Cultivate the same as Cauliflower. If possible choose land which has not been similarly cultivated for two seasons; assist growth by watering with liquid manure. One ounce of seed will sow a bed of forty square feet.



White Cape Broccoli.

	Per pkt.	Per oz.	Per lb.
<b>Early Purple Cape</b> , very hardy; heads solid and compact; color greenish purple.....	10c	30c	\$3 00
<b>White Cape</b> , later than Early Purple Cape; heads medium size, firm, and a rich creamy color (see cut).....	10c	30c	3 00
<b>Walcheren White</b> , unsurpassed in quality; large, firm, white heads.....	10c	50c	5 00

**BRUSSELS SPROUTS.**

*Berza de Brussels—Rosen Kohl—Chou de Bruxelles.*



Dwarf Improved.

This plant produces from the sides of the stalks numerous little Sprouts resembling Cabbages, one or two inches in diameter. They are very tender and sweet. Sow in seed-beds, transplant and cultivate like Cabbage. Use the hoe often, and keep clean. A few liberal soakings with liquid manure given during the growing season will be of great service toward securing strong plants covered with strong Sprouts. One ounce will sow a bed of 40 square feet.

**Dwarf Improved**, very fine; heads of good quality (see cut), per oz., 15c; per lb., \$1.50

**CABBAGE.**

*Berza de repollo—Kopf kohl—Chou Pomme.*



All Seasons Cabbage.

Commence to sow the seeds of the early varieties in September, and each following month until spring for succession. Transplant as soon as large enough, to fresh, rich soil, in rows two feet apart and eighteen inches in the rows. For late use, sow the Drumhead sorts in spring, and transplant to well manured ground three feet each way. In planting Cabbage or Cauliflower, care should be observed that the stem is set under the ground as far as the first leaf. The ground should be well worked, to produce good heads, and hoed as many as three times during the season, drawing the earth slightly about the stems. One ounce will sow a bed of forty square feet.



**CABBAGE—Continued.**

**EARLIEST VARIETIES.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Early Dwarf Ulm Savoy</b> , one of the earliest; unsurpassed in quality; capital for family use.....	20c	\$2 00	<b>Early Ox-heart</b> , a popular sort; heads very close and firm.....	20c	\$2 00
<b>Early York</b> , one of the earliest; an old favorite variety.....	20c	2 00	<b>Early Peerless</b> , very early; round and uniform in shape; fine grained, short stump; few loose leaves; will remain long in the ground after maturing without cracking; very desirable,	25c	2 50
<b>Early Jersey Wakefield</b> ; this cabbage is grown extensively by the leading market gardeners in the vicinity of New York and Boston; resembles Ox-heart; very early; heads of medium size and good quality.....	25c	2 50	<b>Early Blood or Dark Red Erfurt</b> , early, heads round and solid, fine color and excellent quality.....	20c	2 00



Fottler's Early Brunswick.



Large Late Drumhead.



Henderson's Early Summer.



Drumhead Savoy.

**SECOND EARLY VARIETIES.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>All Seasons</b> , similar in form to Stone Mason; solid, compact; claimed to be as early and larger than the Henderson's Summer; comparatively new; wherever tried has given surprising satisfaction. (See cut).....	25c	\$2 50	<b>Early Deep-Head</b> , a decided improvement over the Common Brunswick; it grows very solid, and is much deeper, as the name indicates; a good keeper and excellent shipper...	25c	\$2 50

**Early Winningstadt**, one of the best for general use; heads large, solid and keep well. Heads uniformly in the hottest weather; a standard variety. (See cut)... 15c \$1 50

**Fottler's Early Drumhead, or Brunswick**; this variety produces fine, large heads, unsurpassed in quality; very popular with market gardeners; can not be too much recommended. (See cut)..... 20c 2 00

**Henderson's Early Summer**; this is the earliest of the Drumhead varieties; heads large, solid, and keeps well. An excellent variety for market gardeners. (See cut)... 20c 2 00

**Large French Ox-Heart**, an excellent variety; coming in use after the Early York; it grows low on the stump, and heads very close and firm—with but few loose leaves.. 15c 1 25

**Large York**, larger than the Early York, and a little later; round head..... 15c 1 25



Early Winningstadt.

**Succession**, a valuable new variety, heading surely at any season. Recommended as being the most sterling novelty sent out for many years..... Per pkt., 10c 35c \$3 50

**LATE VARIETIES.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Drumhead Savoy</b> , cross between Savoy and Drumhead; produces large solid heads (see cut)	20c	\$2 00	<b>Improved American Savoy</b> , a good heading and very desirable kind; very tender and sweet.....	20c	2 00
<b>Large Late Drumhead</b> , a well-known variety, with large, round, compact heads (see cut).....	20c	2 00	<b>Marblehead Mammoth Drumhead</b> , the largest variety in the world, some specimens weighing upwards of 60 pounds.....	20c	2 00
<b>Stone Mason Drumhead</b> .			<b>Red Dutch Pickling</b> .		



Stone Mason Drumhead.



Red Dutch Pickling.

**CABBAGE—Continued.**

**LATE VARIETIES.**

	Per oz.	Per lb.
<b>Premium Flat Dutch</b> , large and excellent for winter ; of superior quality.....	20c	\$2 00
<b>Stone Mason Drumhead</b> , an excellent, sure heading variety ; solid, tender and sweet; very popular (see cut).....	20c	2 00
<b>Red Dutch</b> , used for pickling ; medium size, very solid, color deep red (see cut).....	20c	2 00

**CARROT.**

*Zanahoria—Mohre—Carotte.*

Of root crops the Carrot ranks among the first in value and importance. The soil best adapted to it, and root crops in general, is a light loam, which should be richly manured, deeply ploughed, and afterwards dragged until thoroughly pulverized. Sow in rows fifteen inches apart, and thin the plants five or six inches in the rows. One ounce of seed will sow about one hundred an fifty feet of row. Three pounds to the acre.



Early French Short Horn.

**VARIETIES FOR TABLE USE.**



Half Long Danvers's.



Early Short Scarlet.



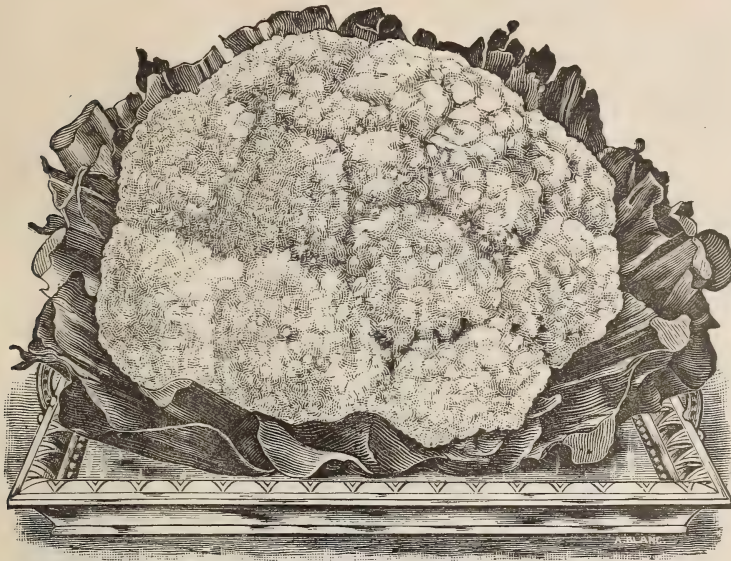
Ox-heart, or Guerande.



Half Long Scarlet Stump Rooted.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Chillingham</b> , large and finely flavored ; color bright orange red ; good for garden or field cultivation.....	10c	75c	<b>Early Short Scarlet</b> , the most desirable for forcing (see cut).....	10c	75c
<b>Chantenay</b> , a rich, dark orange color, and in shape is very symmetrical. The stock has been so well bred that the carrots have attained to such a uniformity in shape they are almost duplicates of each other.....	10c	80c	<b>Early French Short Horn</b> , small, best for table ; generally used for forcing (see cut).....	10c	75c
<b>Charentan</b> , a French coreless table variety ; excellent.....	10c	80c	<b>Half Long Scarlet Stump Rooted</b> , larger than the Short Horn, and a desirable table variety (see cut).....	10c	75c
<b>Danvers</b> , half-long, a splendid cross between the stump-rooted Short Horn and Long Orange. It is a first-class Carrot for any soil ; rich, dark orange in color, very smooth and handsome, and from its length is easier to dig than the Long Orange (see cut).....	10c	75c	<b>Half Long Scarlet Pointed Root</b> , a very desirable Carrot either for table or feeding ; sweet and productive.....	10c	75c
			<b>Improved Long Orange</b> , extra clean ; rich color ; best adapted for general crop ; good for stock.....	10c	75c
			<b>Ox-heart, or Guerande</b> , a very choice strain of the Stump-Rooted variety ; roots very short, and remarkably tender (see cut).....	10c	\$1 00





Henderson's Early Snowball.

**CAULIFLOWER.**

*Coliflor—Blumen Kohl—Chou-fleur.*

■ This is one of the greatest luxuries which the garden affords. It requires care and a favorable season for successful cultivation. For early use, sow in September and transplant in rows two and a half feet apart, and two feet between the plants. For late crop, transplant and pursue the same course as with Cabbage. The soil should be rich, moist and deep. One ounce of seed will sow a bed of forty square feet.



Early Dwarf Erfurt.



Large Algiers.



Lenormand's Short-Stemmed.

	Per pkt.	Per oz.
<b>Early Dwarf Erfurt</b> , a good, compact heading variety, of fine quality (see cut), per lb., \$20.....	20c	\$2 00
<b>Erfurt, Very Earliest Dwarf</b> (extra selected), an extra early variety, and the sort so much prized in Germany for early market use. Scarcely a plant fails to produce a good head. It is of dwarf habit, compact growth, short outside leaves, and can be planted 20 inches apart each way. Highly recommended for early market and family use, and we think can be entirely relied upon, as the seed is selected with extra care by one of the most careful growers in Germany.....	25c	\$4 00
<b>Half Early Paris</b> , heads large, white and tender; very popular; per lb., \$7.	10c	75c
<b>Henderson's Early Snowball</b> , a variety held in great estimation by market gardeners for its earliness and reliability as a sure header. Tested with several other varieties, it has proved to be as early, if not earlier, than any other sort (see cut).....	20c	\$3 50

	Per pkt.	Per oz.
<b>Large Algiers</b> , an extra fine variety for late sowing, and is the variety almost exclusively used by the Cauliflower growers of Eastern Long Island, who almost wholly supply the New York markets (see cut); per lb., \$10...	10c	\$1 00
<b>Large White French</b> , a favorite variety with the Paris market gardeners; early, large, and of splendid quality; per lb., \$6.....	0c	60c
<b>Lenormand's Short-Stemmed Mammoth</b> , very fine, large heads, white and compact; one of the very best for late cultivation (see cut); per lb., \$8.....	10c	75c
<b>Nonpareil</b> , a choice early variety; per lb., \$6.....	10c	60c
<b>Walcheren</b> , the latest of all Cauliflowers, and the hardest. The head forms very slowly; it is handsome, large, very white, and of a fine, close grain; per lb., \$5.....	10c	50c

**CELERY.**

*Apio—Sellerie—Celeri.*

Sow seed in frame or open ground. Transplant four inches apart, when three inches high, in rich soil finely pulverized; water and protect until well rooted, then transplant into rows five or six feet apart, either on surface or in well manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from eight to twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the centershoots. One ounce of seed will sow a bed of four and one-half by twenty feet.

The Celeriac or Turnip-rooted may be planted either on level ground or in shallow drills, and cultivated in a manner similar to Celery. The roots are used as a salad.

	Per oz.	Per lb.
<b>Boston Market</b> , one of the best of the white varieties; early and hardy (see cut).....	20c	\$2 00
<b>Carter's Dwarf Crimson</b> , fine dark crimson color; stalks sweet and crisp; a first-class variety.....	20c	2 00
<b>Crawford's Half Dwarf</b> , the original of Henderson's Half Dwarf. When blanched, it is of rather a yellowish white, and is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large-growing sorts in weight of bunch (see cut).....	20c	2 00
<b>Celeriac, or Turnip-Rooted</b> , forming turnip-shaped bulbs of Celery flavor (see cut).....	20c	2 00



Golden Self-Blanching.

Per oz. Per lb

**Golden Dwarf, or Golden Heart.**

This differs from the Half Dwarf white kinds only in color; when blanched, the heart, which is large and full, is of a waxy golden yellow color; the most favorite sort for general cultivation.....

20c \$2 00

**Golden Self-Blanching**, similar to the White Plume in its self-blanching characteristics, but of a deep, golden yellow color; it is said to be an excellent keeper, and in some localities is preferred to White Plume (see cut)....

30c 3 00

**Large White Solid**; the most popular of the large varieties (see cut).....

15c 1 50

**White Plume.** 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 a hoe or plow, so as to keep the soil that has been squeezed against the Celery in place, the work of blanching is completed. Its eating qualities are equal to the very best of the older sorts, being crisp, solid, and of a nutty flavor, while its white feather-like foliage places it ahead of all others as a table ornament.....

20c 2 00



Large White.



Celeriac.



Crawford's Half Dwarf.



Boston Market.



**CHERVIL.**

*Perifollo—Kerbel—Cerfeuil.*

Cultivate and use like Parsley. Sow at any time in the spring, in shallow drills, one foot apart.

**Curled.** The leaves of this are used for flavoring soups and stews, and for garnishing, same as Parsley.....per oz. 10c; per lb., \$1 00

**CHICORY.**

*Cichorie—Chicoree.*

Sow the Large-Rooted, or Coffee variety, in the spring; in the fall the roots require to be taken up and cut in small pieces and put where they will dry, requiring the same treatment used in drying apples. When required for use it should be roasted and ground like coffee.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Common, or Wild,</b> used as <i>Barbe de Capucin</i> , a salad much used in France. Sown in spring, the roots are transplanted in autumn into sand in a cellar. The shoots which will come up soon, form the <i>Barbe de Capucin</i> .....	10c	\$1 00	<b>Large-Rooted, or Coffee,</b> much used in Europe as a substitute for coffee, and large quantities of the prepared root are annually exported to this country for a similar use.....	10c	90c

**COLLARDS or COLEWORT.**

*Cabu—Blatter Kohl—Chou-Cabu.*

A species of Cabbage which is eaten when young, and used quite extensively as greens. Sow in spring in drills one foot apart. Thin plants to eight inches, and treat as Cabbage.

**True Georgia,**.....oz. 15c; lb. \$1 50

**CORN—SWEET.**

*Maiz—Welschkorn—Mais.*

Plant the smaller varieties in drills three feet apart and stalks ten inches apart in the rows; or in hills three feet apart each way and three or four grains in a hill. The taller varieties on rich soil should be given a space of four and one-half feet between the drills and one foot between the stalks, use some rich manure in the drills, hoe often, keeping the earth well stirred, drawing it in slightly about the roots.

The following are all Eastern grown from extra selected stocks. (If ordered by mail, will be charged 10 cents per pound additional, for postage.)



Early Minnesota.



Crosby's Early.



Stowell's Evergreen.



Early Mammoth.



Egyptian.

<b>Black Mexican</b> , the sweetest, richest, and tenderest of all sweet corn; it is remarkably productive. Our California climate suits it exactly. Second early; it is very white when suitable for cooking, but the kernels are bluish-black when ripe.....	\$12 00	15c
<b>Cory</b> , a new variety resembling the Marblehead in appearance, but larger and a few days earlier; one of the best for market gardeners... 10 00	10 00	15c
<b>Crosby's Early Sweet</b> , very early, sweet and productive (see cut)..... 10 00	10 00	15c
<b>Early Minnesota Sweet</b> , one of the earliest, with ears of suitable size for market purposes (see cut)..... 10 00	10 00	15c
<b>Early Marblehead</b> , one of the earliest varieties of sweet corn; dwarf in habit. The ears which are very fine flavored, are of a fair market size, and set very low down on the stalk. The grain is red when dry..... 12 00	12 00	15c

<b>Early Mammoth.</b> This variety produces the largest ears of any variety of early sweet corn; the quality is excellent, sweet, tender and delicious. When planting always select a warm soil for the early Mammoth, (in fact this should be done for all the early varieties), as the difference in soil and exposure will make at least a week's difference in the time of maturity, besides insuring a good crop, (see cut)..... 10 00	10 00	15c
<b>Late Mammoth.</b> Similar to the above, but about three weeks later.. 10 00	10 00	15c
<b>Egyptian</b> , a large variety and of superior quality; largely used for canning, (see cut)..... 10 00	10 00	15c
<b>Moore's Early Concord</b> , very early, large, well-filled ears..... 12 00	12 00	15c
<b>Russell's Prolific</b> , a very superior early variety. It is the earliest <i>first-class</i> sweet corn. Ears 8 to 10 inches in length..... 10 00	10 00	15c
<b>Stowell's Evergreen</b> , a well-known late variety, remaining green longer than any other kind (see cut) 10 00	10 00	15c
<b>Sweet Fodder Corn</b> , for soiling or ensilage..... 5 00	5 00	10c

**CORN SALAD.**

*Macha o Valerianilla—Lammer Salat—Mache.*

Commonly called Lamb's Lettuce. For a summer supply, sow early, in shallow drills one foot apart; and for early spring use, sow about the first of September.

**Large Seeded, Round Leaved**.....oz. 10c; lb. \$1 00

**CRESS or PEPPERCRASS.**

*Berro o Mastuerzo—Kresse—Cresson.*

Select good, rich soil, sow the seeds thickly at frequent intervals for a succession, in drills one foot apart, covering lightly. A cool, moist soil and shady location is best for summer sowings. One ounce of seed will sow a bed of sixteen square feet.

**American**, an excellent substitute for Water Cress..... Per oz. 10c Per lb. 75c  
**Extra Curled**, very fine; excellent for salads..... 10c 50c

**CRESS (WATER).**

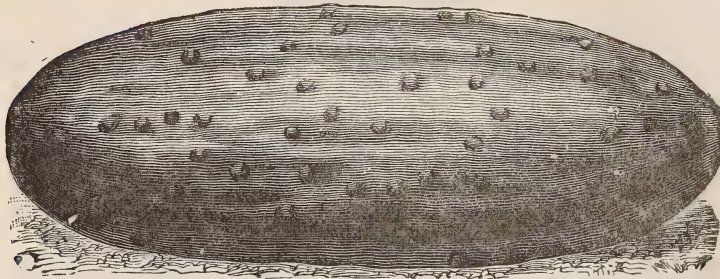
*Brunnenkresse—Cresson de fontaine.*

The plant is cultivated by sowing the seeds by the side of running water, or near springs. Transplanting, however, is always surer than sowing, and is therefore, preferred. The distance between the plants should not generally be less than ten or fifteen inches. Stirring the earth about the roots from time to time is useful, but having once taken root, no further care is necessary.

**Water Cress** is an aquatic plant with small, oval leaves, and prostrate habit. The leaves are universally used and eaten as an early and wholesome salad in spring. Pkt. 10c; oz. 40c; lb. \$4 00.

**CUCUMBER.**

*Pepino—Gurke—Concombre.*



Nichol's Medium Green.

sects thin to four plants in each hill. Cucumber, as well as Melon and Squash seeds, are considered best when two or three years old; they run less to vines, and bear earlier and more abundantly. One ounce will plant one hundred to one hundred and twenty-five hills.

	Per oz.	Per lb.
<b>Boston Pickling</b> , medium size; a very productive kind, of superior quality (see cut).....	10c	80c
<b>Early Russian</b> , the earliest; grows about four inches long.....	10c	80c
<b>Early Frame</b> , a very popular variety; short and prolific.....	10c	70c

	Per oz.	Per lb.
<b>Early Cluster</b> , very productive; grows in clusters; short and prickly (see cut).....	10c	70c

<b>Long Green</b> , an old standard sort; makes hard, brittle pickles...	10c	70c
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Boston Pickling.



Long Green.



Early White Spine.

	Per oz.	Per lb.
<b>Long Green Turkey</b> , a most excellent variety, of good color, firm and crisp (see cut).....	10c	\$1 00
<b>Nichol's Medium Green</b> , of recent introduction; one of the best for general use (see cut).....	10c	80c
<b>Short Green, or Gherkin</b> , good for pickling; very productive.....	10c	80c
<b>Tailly's Hybrid</b> , a cross between the White Spine and an English Frame variety, combining the hardness of the former and the beauty and size of the latter.....	10c	1 00
<b>White Spine</b> , excellent for the table or pickling; a great bearer (see cut)	10c	70c
<b>West India Gherkins</b> , oval shaped, prickly, are for pickling only. Pkt. 10c	20c	2 00



Early Cluster.



**DANDELION.**

*Amargon—Kuhblume—Pisse-en-lit.*

This vegetable has become very popular as an early healthful green, and the roots also are used when dried as a substitute for coffee. Its use in either of these forms is particularly recommended to those who are inclined to any disease of the liver. Sow in drills one foot apart, covering the seed half an inch deep. A rich soil is preferable, but this plant will thrive anywhere.

	Per pkt.	Per oz.		Per pkt.	Per oz.
Dandelion, common variety.....	10c	30c	Improved, large leaved.....	10c	75c



New York Improved.

**ECC PLANT.**

*Berengena—Eierpflanze—Aubergine.*

A tender annual, producing large egg-shaped fruit and considered a delicacy. Its use and culture are steadily increasing. Sow seed in a frame if possible. When three inches high transplant into small pots, so that the plants may become stocky and are readily planted out from the pots. When the season becomes sufficiently warm, transplant into thoroughly worked and well enriched soil about three feet apart each way. Draw the earth up to the stems, when about a foot high. Egg plant seed will not vegetate freely without substantial heat, and if the plants get the least chilled in the early stages of their growth they seldom recover—repeated sowings are sometimes necessary. One ounce of seed will produce about two



Pekin Black.

	Per pkt.	Per oz.		Per pkt.	Per oz.
Early Long Purple, of easy culture; thrives well in almost any section.....	10c	35c	Pekin Black, fruit round, or globular, deep purple, almost black, weighing 4 to 6 pounds each; skin smooth and glossy. It is very prolific, and as early as the Long Purple; the flesh is white, fine-grained, and more delicate in flavor than the old varieties (see cut).....	10c	60c
Guadaloupe Striped, fruit nearly ovoid, smaller than the Long Purple; skin white and variegated with purple; very ornamental.....	10c	75c			
New York Improved Purple, an improved variety of the Round Purple, of deeper color, larger size, and finer quality; a superior market variety (see cut)	10c	50c			

**ENDIVE.**

*Escarola o Endivia—Endivien—Chicoree.*

This vegetable is highly esteemed as a salad. Sow small quantities at different times to insure a plentiful supply, as these crops soon run to seed. When the plants are three or four inches high transplant one foot apart each way, and keep free of weeds until the leaves are six or eight inches long; then blanch the leaves by gathering them carefully together when perfectly dry, and tying them by their tips in a conical form with Roffea to exclude light and air. From three to six weeks is required to thoroughly blanch. One ounce of seed will sow a bed of about eighty square feet, or one hundred and fifty feet of row.



London Green Curled.

	Per oz.	Per lb.		Per oz.	Per lb.
Broad-Leaved Batavian, leaves broad, nearly plain; light green; best for soups.....	15c	\$1 50	London Green Curled, the common and the best known kind, crisp and tender (see cut).....	15c	\$1 50
French Moss Curled Green, moss-like appearance, beautifully curled; a very desirable variety.....	15c	1 50	Large Curled, or Ruffle Leaved, a variety largely grown and recommended by the French for salad.....	15c	1 50

**GARLIC.**

*Knoblauch—Ail.*

(If ordered by mail, 10 cents per pound additional will be charged for postage.) Plant in well enriched and rather dry soil, light loam is the best, in drills one foot apart, two inches deep and four or five inches apart in the rows. Cultivate same as onions, keeping the soil loose and the plants free from weeds. When the leaves turn yellow, the plants may be taken up and having been dried in the sun, they should be tied up in bunches by the stalks and hung up in a dry, airy room for use.

Garlic Sets,..... lb. 15c; 100 lbs, Market Price.



Green Curled Scotch.

**KALE, or BORECOLE.**

*Col—Blatter Kohl—Chou Vert.*

Sow the seeds in beds—covering lightly. Transplant into rich, mellow ground, and cultivate the same as cabbage. They are rendered very tender and delicious by moderate touches of frost. One ounce of seed will sow a bed of forty square feet.

- |   |         |         |
|---|---------|---------|
|   | Per oz. | Per lb. |
| <b>Dwarf Curled, or German Greens,</b> very hardy; sow in the month of September, in rows one foot apart, and cultivate the same as Spinach; excellent greens for spring use are thus obtained..... | 10c     | \$1 00  |
| <b>Green Curled Scotch,</b> the kind most commonly used; grows to a height of 18 inches, and with good cultivation spreads to 3 feet in diameter; leaves bright green and curled (see cut).....     | 10c     | 1 00    |

**KOHL RABI.**

*Colinabo—Kohlrabi—Chou-rave.*



Early White Vienna.

Sow the seed frequently throughout spring for a succession, in rows two feet apart; thin the plants to one foot apart. One ounce of seed will produce about two thousand plants.

- |  |         |         |
|--|---------|---------|
|  | Per oz. | Per lb. |
| <b>Early White Vienna,</b> flesh white and tender, very productive (see cut) | 15c     | \$1 50  |
| <b>Early Purple Vienna,</b> very hardy; flesh of bluish purple color.....    | 15c     | 1 50    |

**LEEK.**

*Puerro—Lauch—Poireau.*



Broad Scotch.

Sow in drills one foot apart, and one inch deep, in light rich soil, liberally manured; thin the plants to ten inches. One ounce of seed will produce about two thousand plants.

- |  |         |         |
|--|---------|---------|
|  | Per oz. | Per lb. |
| <b>Broad Scotch, or Flag,</b> a large and strong plant; hardy (see cut).....   | 20c     | \$2 00  |
| <b>Large Musselburgh,</b> a standard old Scotch variety; per pkt., 10c.....  | 20c     | 2 00    |
| <b>Monstrous Carentan.</b> A superior variety, with distinct and dark colored leaves; stout in habit, and hardy..... | 25c     | 2 50    |

**LETTUCE.**

*Lechuga—Lattich—Laitue.*

Select rich, moist soil, and prepare beds or draw drills; thin or transplant, when an inch or two high, to one foot apart for heading; hoe frequently to prevent them from going to seed. One ounce of seed will sow a bed of one hundred and twenty square feet.

- |  |         |         |
|--|---------|---------|
|  | Per oz. | Per lb. |
| <b>All the Year Round,</b> heads compact and crisp; may be sown for succession all the year round; valuable for forcing.....                         | 10c     | \$1 00  |
| <b>American Gathering,</b> a distinct variety, the tips of the leaves marked with red, solid, very crisp, and good flavor; free from bitterness..... | 10c     | 1 00    |
| <b>Black Seeded Butter,</b> resembles the Tennis Ball, but is much larger and later; is very desirable for out-door culture.....                     | 10c     | 1 00    |



Tomhannock.



Salamander.



satisfaction.



Giant White Cos (Romaine).



**LETTUCE—Continued.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Black Seeded Satisfaction</b> , very large, tender heads, remaining fit for use a long time; very suitable for summer use (see cut).....	10c	\$1 00	<b>New York Head</b> , the best Lettuce for summer; its size is immense, heads not unfrequently weighing four pounds each. The outer leaves are dark; the heads blanch white, and are crisp, tender and of excellent flavor.....	15c	1 25
<b>Black Seeded Simpson</b> , new; leaves almost white; stands the heat well; size nearly double that of the Curled Simpson; prized by all who have cultivated it; our seed is from pure stock	10c	1 00	<b>New Oak-Leaved</b> . This differs from all other varieties, in the fact of its having oak-shaped leaves, which are light green; very tender.....	15c	1 25
<b>Boston Curled</b> , very ornamental, superior quality; does not form solid heads	10c	1 00	<b>Prize Head</b> , heads of large size; remains tender and crisp throughout the season; very hardy.....	10c	1 00
<b>Boston Market (White Seeded Tennis Ball)</b> , white and crisp; the best and earliest for forcing, making small, compact heads.....	10c	1 00	<b>Red Edged Victoria</b> , one of the best varieties for general use; heads are large, solid, compact and tender; slow in forming heads, but very productive.	10c	1 00
<b>Buttercup</b> , quite distinct; has beautiful yellow solid heads, and is suitable for forcing or out-of-doors.....	15c	1 50	<b>Salamander</b> , one of the best summer varieties, forming good-sized, compact heads; color light green outside, and white on the inside; its great merit, however, is that it will withstand drouth and heat, and remain longer in head than any other variety we have met with (see cut).....	15c	1 25
<b>Early Curled Silesia</b> , rather loose heads; leaves large and light.....	10c	1 00	<b>Tennis Ball, Black-Seeded</b> , one of the earliest heading varieties; similar to White Seed Tennis Ball, and like that variety, much used for forcing....	10c	1 00
<b>Early Curled Simpson, White Seeded</b> , an improved variety of the Early Curled Silesia; good for main crop; the earliest, and a desirable market variety.....	10c	1 00	<b>The Deacon</b> , an excellent variety, both for early use and for summer.....	15c	1 25
<b>Giant White Cos</b> , heads upright, tender and crisp; should be tied up to blanch 10 days before cutting; excellent quality (see cut).....	10c	1 00	<b>Tomhannock</b> , a new variety, remarkable for its long-keeping qualities; for family gardens it has few superiors (see cut).....	15c	1 25
<b>Golden Stonehead</b> , a new variety with solid heads; of superb quality and great beauty. It is quite as early as White Tennis Ball, has larger heads, and is unsurpassed for table use. Its very handsome appearance commands a ready sale on market.....	15c	1 25	<b>White Summer Cabbage</b> , heads well formed and of good size; excellent for summer, and greatly used about New York.....	10c	1 00
<b>Hanson</b> , heads very large, tender, crisp; green outside, white within; stands the heat well; of good quality.....	10c	1 00	<b>Yellow-Seeded Butter</b> , like the Salamander, this withstands summer heat well, and remains in head long before running to seed; it is a very distinct sort, making large, dense yellow heads; crisp and tender, and excellent in flavor	10c	1 00
<b>Laciniated Beauregard</b> , heads medium size and firm; slow to run to seed; leaves are green and deeply fringed; very valuable for a cutting Lettuce....	10c	1 00			
<b>Large Drumhead, or Malta</b> , good summer variety; heads large and of good flavor.....	10c	1 00			

**MARTYNIA.**

*Gemsenhorn.*

A hardy annual plant, with strong branching stem; grows about three feet high. The young pods, which are used for pickling, are produced in great abundance, and should be gathered when about half grown, or while tender and succulent. Sow in seed-bed, and transplant to any rich garden soil, two and a half feet apart each way. **Martynia Proboseida**.....Per pkt., 10c; per oz., 30c.

**MELON—(MUSK).**

*Melon Muscatel—Cantalupen—Muscade.*

Select light, warm soil. Plant in hills six feet apart each way, six or eight seeds to a hill; thin out to three or four plants when in a forward state. The hills should be prepared by digging out the soil a foot and a half deep, thoroughly mixing in each hill a couple of shovelfuls of well decomposed stable manure, filling up a little above the level. The planting should be deferred until warm, settled weather. One ounce of seed will plant about one hundred hills.

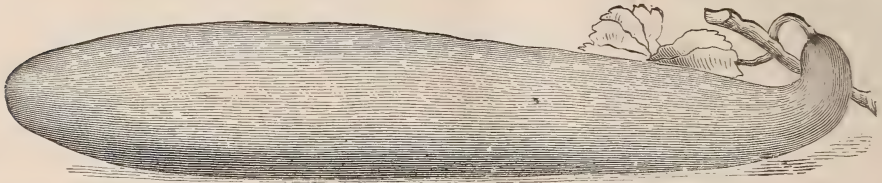
MUSK MELON—Continued.



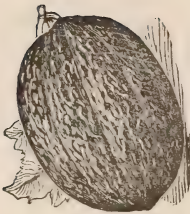
Montreal Nutmeg.



Large Hackensack.



Banana Citron.



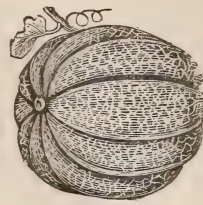
Bay View.



Cassaba.



Prolific Nutmeg.



Skillman Fine Netted.



Surprise.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Baltimore</b> , a very prolific melon, largely cultivated by market gardeners for city and hotel trade; it is rich in flavor, thick flesh, bright green in color; shape somewhat long, netted and deeply ribbed.....	10c	80c	<b>Large Hackensack</b> , of very large size; very prolific; rich in flavor; thick juicy flesh (see cut).....	10c	1 00
<b>Banana Citron</b> , creamy white outside, flesh salmon color, possessing both the flavor and fragrance of the Banana, (see cut).....	10c	1 00	<b>Montreal Nutmeg</b> , grows to an immense size; deep ribbed; flattened at both ends, very thick flesh, rich in flavor (see cut).....	10c	80c
<b>Bay View</b> , (see cut) very desirable on account of its shipping qualities; prolific and early; green flesh.....	10c	80c	<b>Osage</b> , the most fragrant and delicious Musk Melon grown.....	20c	2 00
<b>Christiana</b> , very early; medium size; flesh reddish yellow.....	10c	80c	<b>Pineapple</b> , early and productive; flesh green, thick and juicy.....	10c	80c
<b>Casaba</b> , a very new variety, oblong and very large; fine flavor, yellowish green flesh and netted skin (see cut).....	10c	80c	<b>Prolific Nutmeg</b> , a very good, hardy, and prolific variety; fruit medium size, sometimes pretty large; roundish, netted; flesh thick, green, and of very excellent flavor (see cut).....	10c	80c
<b>Emerald Gem</b> , small, extra early; smooth, dark green skin, and orange flesh; of first rate quality; very sweet, 15c	15c	1 50	<b>Sill's Hybrid</b> , (true) salmon colored; flesh rich, sweet and delicious.....	10c	80c
<b>Green Citron</b> , flesh green, quite thick, and of rich flavor.....	10c	80c	<b>Skillman's Fine Netted</b> , flesh deep green, of delicious flavor; early (see cut).....	10c	80c
<b>Large Yellow Cantaloupe</b> , good size and productive; flesh reddish orange, sweet and of good flavor.....	10c	80c	<b>Surprise</b> , this sort has a thin, cream-colored skin, and thick, salmon-colored flesh; is an early variety of delicious flavor (see cut).....	10c	80c
<b>Nutmeg</b> , skin deep green; flesh greenish yellow, very fragrant, and of delicious quality.....	10c	80c	<b>White Japan</b> , a medium sized, roundish variety; flesh sweetest of all, and a rich cream color.....	10c	80c
<b>Jenny Lind</b> , small, round, extra early, fine netted, of good flavor.....	10c	90c			



**MELON—(WATER).**

*Zandia—Wassermelone—Melon d' Eau.*



Evolution from the Water Melon.



Mountain Sprout.

As soon as the weather becomes settled and warm, select soil and manure as recommended for Musk Melons. Plant in hills 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 end of the most luxuriant shoots.

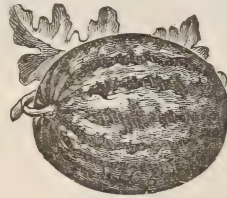


Phinney's Earley.



Dark Iceing.

Per oz. Per lb.

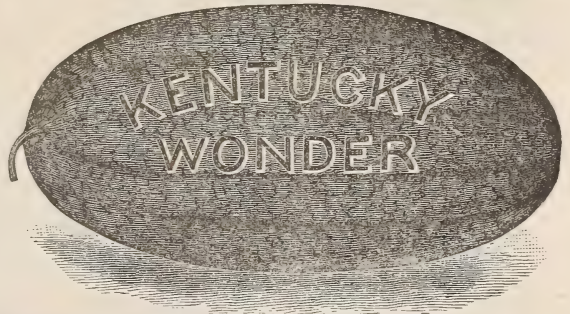


Mountain Sweet ;



Cuban Queen.

- Black Spanish**, medium size, round, black-seeded, red flesh, thin rind, small vine; will admit of closer planting than the other varieties; a fine melon, of the best quality..... 10c 70c
- Citron, for Preserves**, the standard old variety for preserves..... 10c 70c
- Colorado Preserving Melon**, distinct from the Standard Citron for preserves; flesh very firm and solid, with a small proportion of seeds.... 10c 1 00
- Cuban Queen**, (see cut) beautifully marked, light and dark green; solid, crisp, bright red flesh; grows to an immense size..... 10c 70c



*A. J. Blanch & Co.*

Mammoth Ironclad.



**MELON—(WATER)—Continued.**



Kolb's Gem.

	Per oz.	Per lb.
<b>Dark Iceing, or Ice Rind</b> , round, solid, thin rind, very delicious in flavor; not desirable for shipping, owing to its thinness of rind (see cut).....	10c	70c
<b>Florida Favorite</b> , a new, superior strain; improvement on Rattlesnake; earlier.....	15c	1 00
<b>Georgia Rattlesnake, or Gypsy</b> , standard Southern variety, possessing remarkable shipping qualities; oblong; scarlet flesh, crisp and juicy.....	10c	70c
<b>Green and Gold</b> . This variety was introduced in 1888; besides the novelty of color, a golden yellow, it possesses all the excellent qualities of the older varieties...	10c	1 00

	Per oz.	Per lb.
<b>Johnson's Christmas</b> . The originator claims for this Melon: That it is a good shipper; very productive; early, and of good flavor; qualities that entitle it to a trial.....	10c	\$1 00
<b>Kentucky Wonder</b> , a new variety, highly recommended, enormously productive (see cut).....	10c	1 00
<b>Kolb's Gem</b> , flesh bright crimson, solid, sweet and luscious, increasing in popularity every year (see cut).....	10c	70c
<b>Lodi</b> , a large, solid, cream-colored melon, with red flesh, of a rich, delicious flavor, with only a half an inch of rind; white-seeded; originated in California about ten years ago; a great favorite in the San Francisco market. As a market melon, wherever introduced, it sells at extra prices on account of beauty, size, and fine quality.....	10c	70c
<b>Long Light Iceing</b> , a very excellent melon for general purposes; fine quality, equaling that of the White-Seeded Ice Cream; very desirable for home use.....	10c	70c
<b>Mammoth Iron-Clad</b> , a variety that all large growers of melons for shipping should give a trial (see cut).....	10c	70c
<b>Mountain Sprout</b> , oval, large growing, bright scarlet, crisp, good keeper; is later than the Mountain Sweet (see cut).....	10c	70c
<b>Mountain Sweet</b> , a large, long melon; flesh red, firm and sweet, solid to the centre; a well-known standard variety (see cut).....	10c	70c
<b>New Favorite</b> , a new Southern variety of surpassingly fine flavor; fine for family use.....	20c	2 00
<b>New Orange</b> . The rind will peel like an orange when fully ripe.....	10c	70c

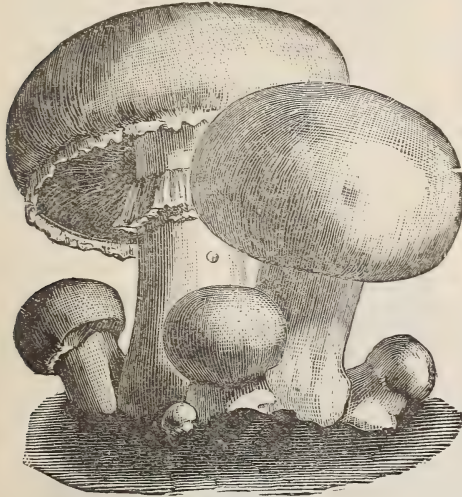
	Per oz.	Per lb.
<b>Peerless, or White-Seeded Ice Cream</b> , nearly round, pale green, thin rind, scarlet flesh, delicious in flavor; an old standard variety, and cannot be too highly recommended.....	10c	70c
<b>Phinney's Early</b> , the earliest of all varieties; medium size, oval, quick-growing variety; thin rind, red flesh; very hardy and productive (see cut)...	10c	70c
<b>Pride of Georgia</b> , new; dark green in color, oval in shape, and ridged like an orange; crisp and sweet.....	10c	75c
<b>Scaly Bark</b> , very generally grown in the Southern States for shipping; very prolific, and gives satisfaction as to quality; the skin is a dark green, mottled, and striped light green.....	10c	70c
<b>Seminole</b> , new; extra early, extra large, enormously productive, and of most delicious flavor.....	10c	80c
<b>The Boss</b> , an acquisition to the melon family; of good size, deep green color; oblong, solid; quite early; worthy a place in every garden.....	10c	70c
<b>The Volga</b> ; this new variety came originally from Russia, and is one of the finest flavored melons; it is a perfect globe in shape, of small size, the weight rarely exceeding 15 lbs.; flesh is a bright crimson, and in crispness and delicacy of flavor is unsurpassed...	15c	\$1 50
<b>Wild Watermelon</b> , highly spoken of in Florida, where it is grown by many in preference to the cultivated varieties; we have imported a select stock for trial; much used by the Seminole Indians.....	15c	1 50



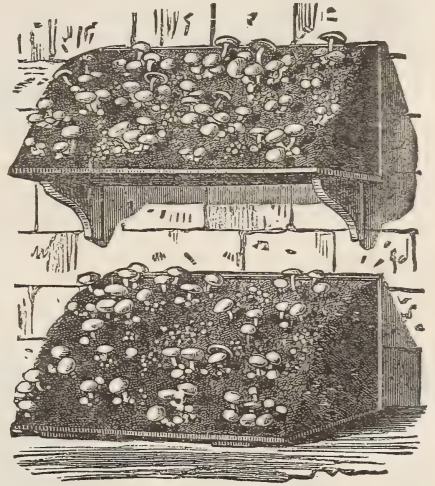
**MUSHROOM SPAWN (See Cut.)**

*Blanc de Champignon—Seta—Champignonbrut.*

**CULTURE.**—Mushrooms may be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 60 degrees can be kept. Secure fresh horse dung, free from straw and litter, and mix in an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed of the required size. Three or four feet wide, eight inches deep and any length desired, are the proper proportions for a bed; these may be varied. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way, into which put pieces of the spawn two or three inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to a depth of two inches, and cover with three or four inches of hay, straw or litter. Examine the bed often to see that it does not get dry. When water is given it should be at a temperature of about 100 degrees. Mushrooms will appear in from four to six weeks, according to the season. (See cut of Mushroom beds.)



Mushroom.



Mushroom Beds.

**English Spawn**,..... 1 lb. Bricks, each, 25c; doz., \$2 50  
**French Spawn**, in 2 lb. Boxes, including book of cultural directions, each, \$1 00; 4 lb. Boxes, \$2 00  
 When ordering by mail, add 10 cents per pound to cover postage.

**MUSTARD.**

*Mostaga—Senf—Moutarde.*

Used as a salad early in spring, sometimes with Lettuce and Cress. Sow at intervals throughout the spring, in rows six inches apart and rather thick in the rows. Cut when about two inches high.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Brown or Black</b> , more pungent than white.....	5c	20c		<b>White London</b> , best for salads or medicinal purposes.....	5c 20c

**NASTURTIUM.**

*Maraneula—Indianische Kresse—Capucine Grande.*

The tall or climbing varieties are used to cover arbors or fences, or to climb or twine upon the sides of a house; they may be planted in rows; the dwarf kinds in hills or rows, four feet apart. The seeds, picked when young and green, are used for pickles, and the leaves for salads. One ounce of seed will sow twenty-five feet of row.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Dwarf</b> , very ornamental.....	20c	\$2 00		<b>Tall</b> , an excellent climber.....	15c \$1 50

**OKRA.**

*Quimbombo—Essbarer—Gombo.*

This vegetable produces long nutritious pods, which, when young, are used in soups and stews, to which they impart a rich flavor. It is easy of culture, grows freely, and bears abundantly on any ordinary garden soil. Sow after the ground has become warm, in drills two inches deep, and two and a half feet apart; thin out the plants to nine inches in the row; hoe often and draw the earth up to the stems. One ounce of seed will sow 100 feet of row.

	Per oz.	Per lb.
<b>Early Dwarf</b> , early and productive; pods white, round and smooth (see cut)..	10c	75c
<b>Long Green</b> , later and more productive; long ribbed pods.....	10c	75c



Early Dwarf.



**ONION.**

*Cebolla—Zwiebel—Ognon.*



Mammoth Silver King.

Select fine, light soil, and manure heavily with the oldest and strongest compost that can be procured. Plow to a depth of five inches, and work well with the cultivator. Plow again at right angles with the first furrows, and again thoroughly cultivate. The ground will then be in fine working order, and should be leveled smoothly with a rake. Drill fourteen inches apart, sowing the seed thinly—about four pounds to the acre—cover a quarter of an inch deep with fine soil, and press down with the back of a spade or light roller.

We recommend the Planet Jr. Seed Drill for sowing Onions. It will do it better than possibly can be done by hand. See "Implements," etc.

When the young plants are strong enough, thin gradually, so that they stand finally four inches apart. Keep clean of weeds, and take care that the earth does not accumulate about the bulbs, but allow them to bottom above the ground. When the greenness has left the tops storing. One ounce of seed will sow a bed four

of the Onions, pull them, and let them dry a few days before and a half by twenty-five feet. Four pounds to the acre.



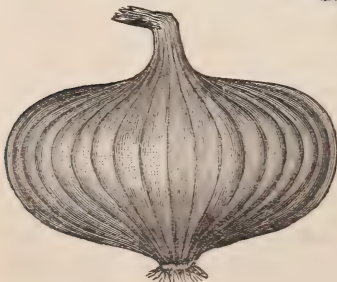
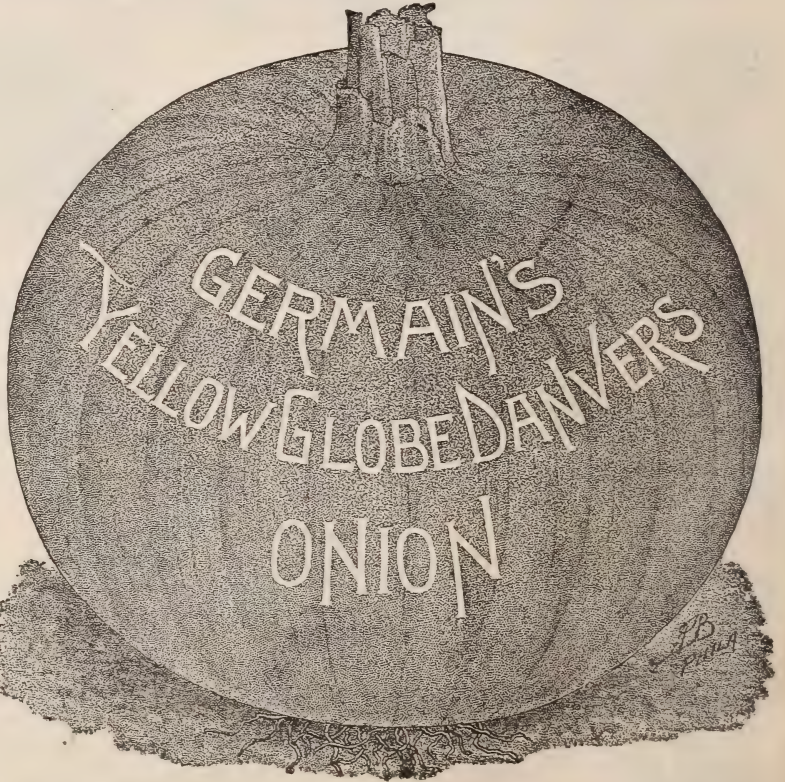
Extra Early Red.



Extra Early Pearl.



Giant White Tripoli.



El Paso.



Large Red Wethersfield.



Southport Yellow Globe.



White Portugal.



**ONION—Continued.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Bermuda</b> , the well-known Onion of commerce; very mild and of excellent flavor.....	20c	\$2 00	<b>Marzagole, or Neapolitan</b> , an extra early Silver Skinned variety of great merit .....	25c	\$2 50
<b>Early Red Globe</b> , similar to Extra Early Red except in shape.....	15c	1 00	<b>New Queen</b> , a small white Onion, of quick growth and remarkable keeping qualities; good for pickling .....	25c	2 50
<b>El Paso, or Large Mexican</b> , large size, mild and tender (see cut).....	20c	2 00	<b>Silver Skin Pickling</b> , a small French variety, used extensively in Europe for pickling, its white color, in contrast with the fine green veins or lines, gives it a very agreeable appearance.....	20c	2 00
<b>Extra Early Red</b> , a very early flat variety; heavy, close grained, productive, and keeps well (see cut).....	15c	1 25	<b>Southport Red Globe</b> , a very handsome late variety; large cropper and of good quality.....	15c	1 50
<b>Extra Early Pearl</b> , new Italian variety; pure white skinned, mild flavor (see cut).....	25c	2 00	<b>Southport Yellow Globe</b> , handsome globe-shaped variety of excellent quality (see cut) .....	15c	1 25-50
<b>Germain's Yellow Globe Danvers</b> , a thick, heavy, straw-colored Onion, mild flavored, and yields abundantly; ripens early and keeps equal to the best (see cut).....	15c	1 00	<b>Spanish King, or Prize-Taker</b> , largest Onion known; will grow to full size in California .....	25c	2 50
<b>Giant Rocca</b> , very large, globular form, with bright brown skin, and delicate flavor .....	20c	2 00	<b>White Globe</b> , very fine shape, skin white; fine grained, mild and pleasant flavored; keeps well .....	25c	2 50
<b>Giant White Tripoli</b> , a mild flavored flat Onion of quick growth; grown from sets it attains a very large size (see cut).....	20c	2 00	<b>White Portugal, or Silver Skin</b> , flavor mild, grows to a fair size and handsome shape; does not keep well; excellent for summer and fall use (see cut) .....	25c	2 50
<b>Large Red Wethersfield</b> , grows very large; keeps well, and is pleasant flavored (see cut).....	15c	1 25	<b>Welsh White</b> . This variety is used for salads; must be pulled when green.....	15c	1 50
<b>Mammoth Silver King</b> , new, very large, particularly mild and pleasant flavored (see cut) .....	25c	2 50			

**ONION SETS.**

Bottom Onions, or Onion Sets, are produced by sowing the seed thickly late in the spring, in beds or drills, and about the end of August, or whenever the tops lie down, the little bulbs or sets are gathered and kept spread thinly in a dry, airy loft, and reset in the spring to make large Onions.

<b>Yellow Bottom Sets</b> (see cut).....	Per lb., 25c
<b>White Bottom Sets</b> .....	" 25c

If ordered by mail, 10 cents per pound will be charged additional for postage.

Price per 100 lbs. on application.

Top, or Button Onions, are the little round bulbs growing on top of the stalk, and are planted early in the spring, in shallow, twelve-inch drills, about four inches apart, slightly covered; and will produce large Onions, maturing much earlier than from the seed. If the large Onions are planted again in the spring, they will produce a number of small bulbs, growing on the top of the stalk, which serve as a substitute for seed in propagation. Per lb., 25c, postage added as above.

Price per 100 lbs. on application.

**PARSLEY.**

*Perijil—Petersilie—Persil.*

Parsley succeeds best in rich, moist soil. Soak the seeds a few hours in tepid water; sow thickly in drills one foot apart and a half an inch deep. The seed germinates slowly, and frequently remains in the ground two or three weeks without showing any signs of vegetation, and in case of drouth is apt to decay. When the plants are two inches high, thin them out to four inches apart. One ounce of seed will sow about two hundred feet of row.



Extra Curled.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Champion Moss-Curled</b> , a very select stock; leaves beautifully curled; the finest variety for garnishing.....	10c	75c	<b>Fern Leaved</b> , invaluable as a garnishing plant or for mixing with ornamental foliage plants for table decoration.....	10c	\$1 00
<b>Extra Curled</b> , a fine dwarf variety; leaves beautifully curled (see cut).....	10c	75c	<b>Hamburg, or Turnip-Rooted</b> , the roots are excellent for flavoring soups.	10c	1 00



**PARSNIP.**

*Chirivia—Pastinake—Panais.*

A deep, richly-manured soil, susceptible to moisture, should be selected for Parsnips. This vegetable requires a long season to mature, and the seed should therefore be sown early. Drills half an inch deep and fifteen inches apart should be marked out; drop the seed in thickly, for where the seeds are few they are apt to perish in the ground, not having sufficient strength to open the pores of the earth. One ounce of seed will sow about 200 feet of row.



		Per oz.	Per lb.		
<b>Hollow Crowned</b> , best Parsnip grown either for table or stock (see cut) .....		10c	50c		
<b>Improved Guernsey</b> , a standard variety; roots medium in length, white, smooth and tender.....		10	50c	Round.	
<b>Round, or Turnip-Rooted</b> , excellent for shallow soil (see cut).....	Per oz.	10c	75c	Per oz.	Per lb.
				<b>Sutton's Student</b> , a variety possessing delicious flavor; medium sized.....	10c \$1 00

**PEAS.**

*Chicaros o Guisantes—Erbse—Pois.*

The Pea is one of our most important crops, and to be successfully grown must be liberally treated. A deep, rich soil, well pulverized, and incorporated with a fair allowance of well decayed manure, should be chosen for the principal crops. For early Peas the ground does not require to be so rich. Sowing of the first early variety should be made in October, and the other varieties for successive crops, plant every two weeks until the first of April.

Peas are sown in single or double rows, from two to six feet apart, according to the variety or the height to which they attain. Have the rows of the dwarf varieties two feet apart, and those of the medium sorts from three to four feet, and the tall varieties from five to six feet apart. They can also be grown to advantage in rows twelve feet apart, and some other crop between them, as by this means both sides of the row get the full benefit of light and air, and yield a greater abundance of pods. When a crop is grown between the rows, the rows should be run if possible from north to south, to give both the Peas and the intervening crop free access to the sunlight. When raised for market, Peas are not staked but sown in single rows; when intended for private use, they should be sown in double rows about nine inches apart, and covered two inches deep. Staking up should be commenced when they are three inches high. The dwarf varieties may be grown without sticks, but are benefited by being kept from the ground. Two pounds will sow from 150 to 200 feet of row. The holes which are sometimes found in Peas, are caused by the Pea Weevil (*Bruchus pisi.*) The beetles lay their eggs on the young pods, and the larvæ, as soon as hatched, make their way through the pods to the nearest Peas. They do not however, as generally supposed, destroy the germ. (If ordered by mail, will be charged 10 cents per lb. additional, for postage.)



Stratagem.

**FIRST EARLY VARIETIES.**

	Per 100 lbs.	Per lb.		Per 100 lbs.	Per lb.
<b>American Wonder</b> , the earliest dwarf wrinkled Pea in cultivation; quality unexcelled .....	\$12 00	15c	<b>Kentish Invicta</b> , the earliest blue Pea; prolific and of good flavor; 2½ feet (see cut).....	\$10 00	15c
<b>Cleveland's Alaska</b> , the earliest Pea known; excellent for market gardener's use (see cut).....	12 00	15c	<b>Laxton's Alpha</b> , a first early blue wrinkled marrow, with large, and well filled pods; very productive; 3 feet.....	12 00	15c
<b>First and Best</b> , an early, productive Pea of good flavor; one of the best early round kinds; 2½ feet.....	10 00	15c	<b>McLean's Blue Peter</b> , remarkably dwarf, very early; a capital bearer and of excellent quality; 10 inches..	12 00	15c
<b>Improved Daniel O'Rourke</b> , a favorite early variety; productive, pods large and well filled; 2½ feet...	10 00	15c	<b>McLean's Little Gem</b> , a green, wrinkled, early marrow, of delicious flavor; 1 foot.....	12 00	15c



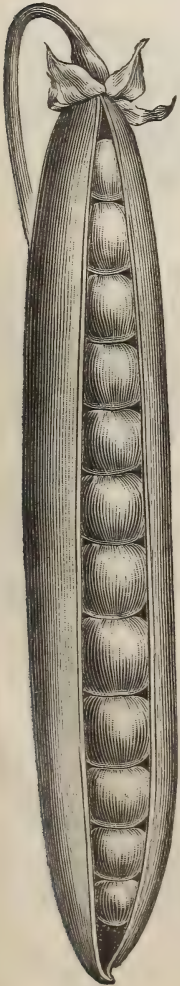
**PEAS—Continued.**

**SECOND EARLY VARIETIES.**

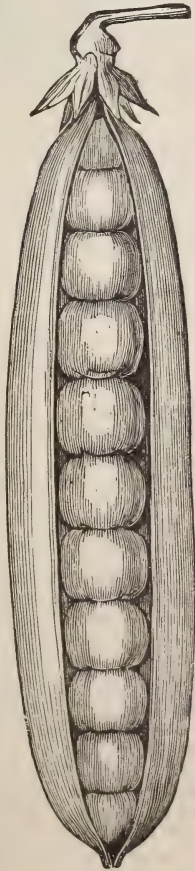
	Per 100 lbs.	Per lb.
<b>Abundance</b> , an immense bearer; Peas large and of excellent quality (see cut).....	\$12 00	15c
<b>Laxton's Superlative</b> , large and fine; pods have been grown seven inches in length; very prolific and excellent; 7 feet.....	15 00	20c
<b>Laxton's Prolific Long-pod</b> , a very productive and long podded variety of excellent flavor; 4 feet..	12 00	15c
<b>McLean's Advancer</b> , a green, wrinkled variety, of fine flavor and and very productive; 2½ feet (see cut) .....	12 00	15c
<b>Pride of the Market</b> , pods 5 to 7 inches in length, well filled; quality excellent (see cut).....	12 50	15c
<b>Stratagem</b> , the most elegant and showy Pea in cultivation (see cut)...	12 00	15c
<b>Yorkshire Hero</b> , the favorite Los Angeles market Pea; a sure cropper (see cut).....	8 00	10c

**GENERAL CROP.**

	Per 100 lbs.	Per lb.
<b>Black-eyed Marrowfat</b> , excellent for a general crop; favorite market sort; 4 feet.....	\$6 00	10c
<b>Blue Imperial</b> , prolific, and of fine flavor; excellent for table use; 3 feet.....	8 00	10c
<b>Champion of England</b> , green wrinkled; a great favorite; unsurpassed in quality and productiveness; 4 feet	8 00	15c
<b>Everbearing</b> , remarkably prolific; pods very fine and closely filled; Peas soft, juicy and of excellent flavor (see cut).....	12 00	15c
<b>Long Island Mammoth</b> , a universal favorite with Eastern market gardeners.....	15 00	20c
<b>Telephone</b> , handsome pods, well filled with Peas of large size and good quality (see cut).....	12 50	15c
<b>Veitch's Perfection</b> , extra fine green, wrinkled marrow; an excellent cropper of most delicious flavor; 4 feet.....	12 00	15c
<b>White Marrowfat</b> , a standard variety; good flavor, very productive; 4 feet.....	6 00	10c



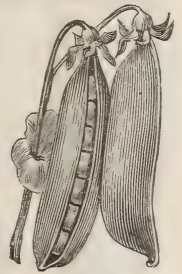
Telephone.



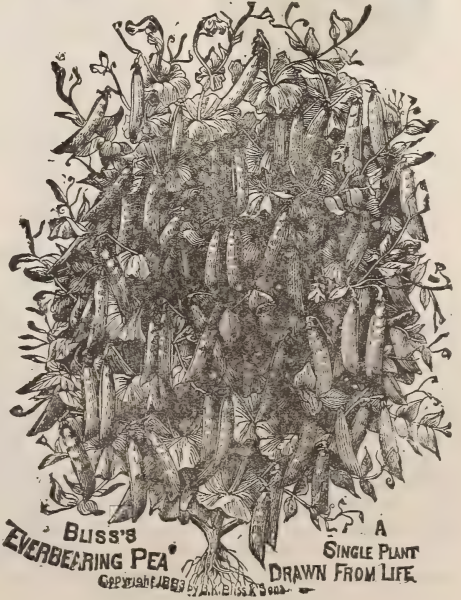
Pride of the Market.



Abundance.



McLean's Advancer.



Bliss's EVERBEARING PEAS. A SINGLE PLANT DRAWN FROM LIFE. Copyright 1885 by Wm. Bliss & Co.

Bliss's Everbearing.

**PEAS—Continued.**



Yorkshire Hero



Cleveland's Alaska.



Kentish Invicta.

**PEPPER.**

*Pimiento—Pfeffer—Piment.*

Cultivated largely for pickles. Sow early in spring in a frame. Transplant when the weather is favorable to open ground, in rows eighteen inches apart and ten inches in the row. The ground should be highly manured before transplanting. When about six inches high, hoe the plants and earth up slightly.



Large Bell or Bull Nose.



Ruby King.

**Large Sweet Mountain**, very large, and excellent for Mangoes (see cut)... 30c \$3 00  
**Long Red, or Santa Fe**, beautiful and productive; 3 to 4 inches in length; flesh thick and pungent; a good substitute for Cayenne ..... 30c 3 00

	Per oz.	Per lb.
<b>Cayenne</b> , pods small, long and tapering; coral red when ripe; very hot and strong; best kind for seasoning pickles; the Cayenne Pepper of commerce (see cut) .....	25c	\$2 75
<b>Celestial</b> , new; a marvel from China, both useful and ornamental. Pkt. 10c .....	75c	
<b>Cherry</b> , small, round, smooth and productive; a good variety.....	35c	3 50
<b>Chili</b> , pods pendant, sharply conical, about 2 inches in length, half an inch in diameter; very piquant; excellent for pickles .....	40c	4 00
<b>Golden Dawn</b> , a beautiful Pepper, resembling the Bell; very mild in flavor.....	30c	3 00
<b>Large Bell, or Bull Nose</b> , early, sweet, and of good flavor; standard sort (see cut) .....	25c	2 75



Large Sweet Mountain.



Long Red Cayenne.

	Per oz.	Per lb.
<b>Ruby King</b> , large size, splendid color, mild and productive (see cut).....	30c	\$3 00
<b>Squash</b> , excellent for pickling alone; large, thick fleshed; skin smooth.....	30c	3 00

**POTATOES.**

*Patatas—Kartoffeln—Pommes de Terre.*

The soil best adapted to the production of fine and clean tubers is a naturally good friable loam, rather light than otherwise, and free from stagnant water. In such soil the produce is abundant and the quality good. Thin sandy soils also produce well flavored Potatoes, but of course to obtain quantity of produce, the assistance of manure is necessary. The worst soils for the Potato are those which are naturally wet and heavy.

*As prices are apt to fluctuate, quotations on Seed Potatoes will be mailed upon application.*

**Burbank's Seedling**, one of the most prolific of the late sorts; not liable to rot; handsome and of excellent quality.  
**Early Rose**, the standard variety for earliness, quality and productiveness; a universal favorite.  
**Late Rose**, ripens two or three weeks later than Early Rose, of excellent quality; a splendid keeper.  
**Peachblow**, an old variety, largely grown for market; a standard of excellence in quality.

**Peerless**, one of the best sorts for general cultivation.  
**Rural Blush**, very productive, second early variety, of beautiful appearance, and excellent quality.  
**Snow-flake**, one of the earliest varieties, ripening about the same time as the Early Rose; flesh is of exceedingly fine grain; snow-white and mealy when cooked; unsurpassed in quality.  
**White Elephant**, unquestionably one of the best for main crop; productive, good keeper, and of fine quality.



**PUMPKIN.**

*Kurbis—Courge.*

Plant in manured hills eight feet apart, and leave three strong, healthy plants in each hill. When planted among corn, take every fourth row. Keep as far from Melons and Cucumbers as possible, as they are apt to mix. One pound of seed will plant about 400 hills.

	Per oz.	Per lb.
<b>Cashaw</b> , (Crook-neck), solid flesh, fine and sweet; keeps well.....	10c	75c
<b>Cheese</b> , size large; skin reddish orange; flesh thick, fine and sweet.....	10c	75c
<b>Large Yellow Field</b> , the true Eastern kind for stock; seeds are much used medicinally.....	10c	40c
<b>Mammoth Tours, or Jumbo</b> , an imported variety of immense size, often		

	Per oz.	Per lb.
weighing 150 lbs.; very productive and good keeper; flesh salmon color; desirable for cooking purposes and stock feeding.....	15c	\$1 50
<b>Quaker Pie</b> , best for cooking purposes, Sugar, medium size, excellent for cooking.....	10c	1 00
<b>California Field</b> , correctly a squash; fine for stock.....	10c	75c
	5c	20c

If ordered by mail, 10 cents per lb. additional will be charged for postage.



White Strasburg.

**RADISH.**

*Rabanos—Radieschen—Radis.*

The Radish will succeed well in any good garden soil, not over moist, or too heavy. A sandy loam enriched by well rotted manure is best. For early and late crops a warm sheltered situation should be chosen; whilst for those sown in the heat of summer a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be deeply dug and raked fine. The seed is generally sown thinly broadcast, in beds from four to five feet wide, with one-foot alleys between, the soil from the latter being used to cover the seeds, but only slightly. The surface is then raked smooth, and in light soils pressed with the back of the spade. The winter varieties should be sown in drills one foot apart, and thinned to six inches apart in the rows, and if roots of large size are required, as much as nine inches may be allowed.

The crop is sometimes entirely destroyed by a maggot or grub, which attacks the root of the plant. The best way to prevent it is by a top-dressing of common salt, at the rate of twenty-five pounds to the rod; and later, when the ground is ready for planting, give a top-dressing of fresh, air-slacked lime, or sprinkle some in the row, before sowing the seed; or, in addition to the top-dressing of lime, apply fine Bone Meal in the drill with the seed. This remedy has been successful on land where previous to this treatment Radishes could not be grown. One ounce of seed will sow about one hundred square feet.

	Per oz.	Per lb.
<b>Black Spanish Winter, Long</b> , grows to a large size, of oblong shape, quite solid; if stored in pits or packed away in sand, will keep good until spring (see cut).....	10c	60c
<b>Black Spanish Winter, Round</b> , similar to the above except in form.....	10c	60c
<b>Beckert's Chartier</b> , decidedly distinct in appearance from any radish in cultivation (see cut).....	10c	75c
<b>California Mammoth White</b> , a winter sort introduced into California by the Chinese; 8 to 12 inches long and 2 inches in diameter; flesh white, firm, and of excellent flavor (see cut).....	10c	60c
<b>Carter's Selected Long Scarlet</b> , an excellent variety; a favorite with market gardeners.....	10c	60c



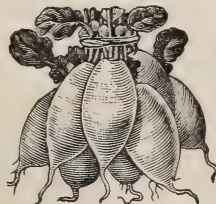
Long Black Spanish.



Beckert's Chartier.



Scarlet Olive-Shaped.



White Olive-Shaped.



Chinese Rose.

**RADISH—Continued.**



Fireball.



French Breakfast.



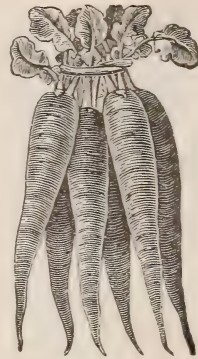
Early White Turnip.



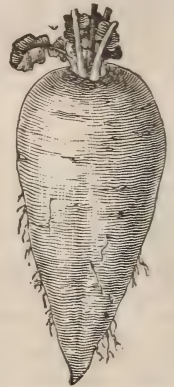
Early Scarlet Turnip.

	Per oz.	Per lb.
<b>Chinese Rose Winter</b> , considered the best kind for winter use; medium size and tender (see cut).....	10c	80c
<b>Chinese White Winter</b> , an excellent winter radish, like Chinese Rose except in color.....	10c	80c
<b>Early Long Scarlet Short-Top</b> , roots long, of a pinkish color; flesh white, crisp, and of good flavor (see cut).....	10c	60c
<b>Early Purple Turnip</b> , similar to the Red Turnip variety except in color, which is a bright purple.....	10c	75c
<b>Early White Giant Stuttgart</b> , a round, white variety, producing very large roots within a short time, almost as early as the White Turnip Radish.....	10c	75c
<b>Fireball</b> , brilliant scarlet color and very mild flavor; a rapid grower, bearing a small top (see cut).....	10c	75c

	Per oz.	Per lb.
<b>French Breakfast</b> , a fine, early variety; olive-shaped, scarlet body with white tips (see cut).....	10c	60c
<b>Gray Turnip</b> , an excellent summer variety; a favorite with market gardeners.....	10c	80c
<b>Long White Naples</b> , beautiful, long, clear white, tinged with green at top; excellent for late use.....	10c	80c
<b>Scarlet Olive-Shaped</b> , oval; very early and handsome; flesh rose-colored, tender, and brittle (see cut).....	10c	60c
<b>Scarlet Turnip</b> , an excellent early variety, crisp and tender (see cut).....	10c	60c
<b>Scarlet Turnip, White Tipped</b> , a new introduction, of excellent quality.....	10c	60c
<b>Small Black Summer Turnip</b> , a new variety of the Black Spanish type, but much earlier and of finer flavor.....	10c	80c
<b>White Olive-Shaped</b> , same as the Rose Olive-Shaped except in color (see cut).....	10c	60c
<b>White Strasburg</b> , new; one of the most valuable summer radishes in cultivation (see cut).....	10c	75c
<b>White Turnip</b> , similar to Scarlet Turnip; a few days later (see cut).....	10c	60c
<b>Yellow Turnip</b> , of excellent quality; best variety to stand the drouth of summer.....	10c	80c



Long Scarlet.



Cal. Mammoth White.

**RHUBARB, OR PIE PLANT.**

*Ruibarbo—Rhabarber—Rhubarbe.*

Sow the seed early in spring, in drills eighteen inches apart, and cover one inch deep; thin the plants to six inches apart, and keep them free from weeds. On the approach of winter, cover the plants with some light litter, which should be removed in the early part of the spring, and beds prepared by trenching rich ground two feet deep, and thoroughly mixing a liberal quantity of manure. The plants then being one year old, should be removed to the prepared beds, and placed three feet apart each way. Do not cut until the second year, and apply a dressing of manure every fall. The most expeditious mode of obtaining a supply is to procure roots which will produce the first season. The roots will last many years if manured every fall. Never allow the plants to run to seed, as it exhausts them.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>New Giant</b> , a superior variety of large size.....	20c	\$2 00	<b>Royal Albert</b> , a very early variety, with long thick red stalks of excellent flavor.....	15c	\$1 50
<b>Myatt's Linnaeus</b> , grown extensively in private gardens and for early crop for market; best flavored kind we know of.....	15c	1 50	<b>Victoria</b> , very large, and fine for cooking; cultivated largely by market gardeners for main crop late in the season (see cut).....	15c	1 50



**SALSIFY, or VEGETABLE OYSTER.**

*Ostion Vegetal—Haferwurz—Salsifis.*

Select light, rich soil. Sow the seed thickly in drills, twelve inches apart, and cover one inch deep. When the plants are two or three inches high, thin out to six inches from each other in the rows; hoe often, and keep the earth loose and clean around them. The roots may be taken up and stored in moist sand to exclude the air, or left in the ground; they are boiled or stewed like Parsnips, the flavor resembling the oyster. One ounce of seed will sow fifty feet of row.

	Per oz.	Per lb.		Per oz.	Per lb.
Long White.....	15c	\$1 50	Sandwich Island, of enormous size, very tender and delicious.....	30c	\$3 00

**SORREL.**

*Acedara—Sauerampfer—Oseille.*

Sow in spring, in drills eighteen inches apart, in a rich soil, and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable. One ounce will sow 150 feet of drill.

Large Leaved French.....Oz. 15c lb. \$1 25.

**SPINACH.**

*Espinaca—Spinat—Epinard.*

For summer use, sow early in spring in drills one foot apart, and thin the plants six inches from each other in the row. For early spring use, sow in August and September. Soak the seed six hours before planting. Deep, rich soil, well manured, is required for Spinach. One ounce of seed will sow about one hundred feet of row.



Prickly, or Fall.



Round, or summer.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Bloomsdale Savoy-Leaved</b> , the leaves of this variety are large, of good substance, and much wrinkled or curled, like the Savoy cabbage; it is a summer variety, and growing in favor.....	10c	40c	<b>New Zealand</b> , produces leaves in great abundance throughout the summer: should be transplanted 3 feet apart each way into light rich soil.....	10c	\$1 00
<b>Large Round Leaf Viroflay</b> , a new variety, with very large, thick leaves...	10c	40c		<b>Prickly, or Fall</b> , very hardy; used for fall planting; leaves 7 or 8 inches long and thin in texture (see cut).....	10c
<b>Long Standing</b> . The valuable characteristic of remaining a long time before running to seed is even more marked in this variety of Spinach than in the Thick-Leaved Round; in all other respects the Long Standing closely approaches the well-known Round Leaf.	10c	40c	<b>Round, or Summer</b> , the variety used for early spring planting; leaves large, thick and compact (see cut).....	10c	30c
			<b>Thick Leaved Round</b> , one of the very best market varieties; produces a large, thick, strong, green leaf, somewhat crumpled, and possesses the valuable quality of standing a long time before running to seed.....	10c	40c

**SQUASH.**

*Calabaza—Kurbiss—Courge.*

Light, warm soil is best adapted to the growth of the Squash. The seed should not be sown until all danger from frost is past. Plant in hills—prepared in the same manner as for Cucumbers and Melons—the Bush kinds about four feet apart, and the Running varieties from six to nine, according to their nature, as some will run more than others. Plant about half a dozen seeds in each hill. The earth about the plants should be kept loose and clean from weeds until runners are well started. Cutting off the leading shoots



Early White Bush Scalloped.



Winter Crook-Neck.

of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from forty to eighty hills.

**SQUASH—Continued.**



Long White Vegetable Marrow.



Perfect Gem.  
Per oz. Per lb.

	Per oz.	Per lb.
<b>American Turban</b> , the best fall variety; fine grained, dry and sweet.....	10c	80c
<b>Boston Marrow</b> , a standard fall squash of rich orange color; very productive, and keeps well,	10c	80c
<b>Cocoanut</b> , a beautiful little squash for table use; the color is cream and orange mixed, and the bottom of a rich grass-green; flesh is fine grained; very solid, and the quality excellent.....	10c	80c
<b>Early Golden Bush Scalloped</b> , an early variety, well flavored and productive; excellent for market.....	10c	80c
<b>Early White Bush Scalloped</b> , one of the earliest; similar in shape to the yellow (see cut).....	10c	80c
<b>Essex Hybrid</b> , a good keeper, of excellent flavor.....	10c	\$1 00
<b>Hubbard</b> , the best of all winter varieties; grows to a large size.....	10c	80c
<b>Long White Vegetable Marrow</b> , an English squash of very superior flavor (see cut).....	10c	\$1 00
<b>Mammoth Chili</b> , grows to an immense size, often weighing over 200 lbs.; very productive; quality good; excellent for stock.....	15c	\$1 50

	Per oz.	Per lb.
<b>Marblehead</b> , new; an excellent winter squash; good keeper; dry and sweet; the shell is much harder than the Hubbard, and light blue in color.....	10c	80c
<b>Pike's Peak or Sibley</b> , entirely original and distinct; considered an improvement on the Hubbard.....	25c	\$2 50
<b>Perfect Gem</b> , equally desirable either as a summer or a winter squash (see cut).....	10c	\$1 00
<b>Summer Crook-Neck</b> . This is the richest summer Bush Squash; very early and productive (see cut).....	10c	80c

	Per oz.	Per lb.
<b>The Butman</b> . Its color is bright grass-green, intermixed with white; remarkably dry, sweet and delicious, size and flavor similar to the Hubbard.....	15c	80c
<b>White Pineapple</b> , a novelty of great merit; peculiar and distinct in form...	15c	\$1 25
<b>Winter Crook-Neck</b> , an old standard sort; a good keeper; considered excellent for making pies.....	10c	80c

**TOBACCO.**

*Tabak—Tabac.*

The seeds may be started in hot-beds, or sown in the open ground as soon as the ground is warm, in rich, dry soil; rake off the bed, and sow broadcast, pressing down firmly and evenly, covering the seed very slightly; keep free from weeds, and water frequently if the weather is dry; set out when all chance of frost is past, three feet apart, in land that has been heavily manured with wood ashes if obtainable—brush burned on the ground will answer the purpose. Look out for the tobacco worm, which must be removed as soon as it appears, or it will destroy the crop. One ounce will sow twenty-five feet square, and produce plants for one acre.

	Per oz.	Per lb.
<b>Big Havana</b> , a Hybrid Havana, or Cuban seed leaf; a heavy cropper, of fine texture, delightful flavor and the earliest cigar variety to mature and ripen; will make two crops from one planting in the South, whilst its earliness makes it most desirable for high latitudes; best Americanized Havana.....	25c	\$2 50
<b>Big Oronoko</b> , an old variety and a good one; has a large, broad, finely shaped leaf, and for strips and dark wrappers, has no equal.....	25c	\$2 50
<b>Brazilian-American</b> , the finest Brazilian strain acclimated; makes fine cigars, and delightful aromatic pipe-smoking tobacco; give it a trial.....	25c	\$2 50
<b>Connecticut Seed Leaf</b> , the two largest, finest and best strains of this indispensable kind; every seed-stalk carefully selected.....	35c	\$3 50
<b>General Grant</b> , one of the finest, earliest and most popular kinds for cigars; grows more in demand every year.....	25c	\$2 50
<b>Harby</b> , new; a Turkish variety which stands heat and drouth beyond all others, and may be topped for 25 leaves or more; superior to Latakia, and possesses a very agreeable odor and flavor.....	25c	\$2 50
<b>Primus</b> , leaves large, fibres fine and texture silky; yields big crops of extra fine quality; suited for manufacture of cigars; new.....	25c	\$2 50



**TOMATO.**

*Tomates—Liebesapfel—Tomate.*

Sow the seed in frame or sheltered bed. When the plants are two or three inches high, thin them out and set them in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day, if possible; in the absence of rain, water and protect until well rooted. Set the plants four feet apart each way and support by driving two or three stakes around each plant, and encircle with as many barrel hoops; this will serve to keep the fruit off the ground. One ounce of seed will produce three thousand plants.

The Tomato requires a rather light soil to ripen early; but if handsome fruit and a plentiful crop be desired, very rich soil should be selected.



Livingston's Beauty.



Livingston's Favorite.



Livingston's Perfection



The Mikado.

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Acme</b> , very early, of delicious flavor; color glossy dark purple; ripens all over; has no core and but few seeds.....	20c	\$2 00	<b>Improved Tree, or De Laye</b> , the earliest of all to ripen a part of its fruit. Well adapted for pot culture. Per pkt. 10c. Per oz.....	75c	
<b>Canada Victor</b> , large, smooth and productive; a splendid flavored, early variety, very hardy.....	20c	2 00	<b>Livingston's Beauty</b> , extra early, growing in clusters of four or five (see cut).....	20c	\$2 00
<b>Cardinal</b> , this is a beautiful tomato, being of a brilliant cardinal red, very glossy looking when ripe, the flesh of the same brilliant color. Ripens evenly through, having no hard green core, like many others; in shape it is round, smooth and solid.....	20c	2 00	<b>Livingston's Favorite</b> , one of the most perfect-shaped tomatoes grown (see cut).....	20c	2 00
<b>Cherry</b> , flavor unsurpassed; fruit small, a wonderful cropper; best for pickling	35c	3 50	<b>Livingston's Perfection</b> , large; blood red; perfectly smooth and handsome form (see cut).....	20c	2 00
<b>Conqueror</b> , very early, smooth, productive and of medium size.....	20c	2 00	<b>Mayflower</b> , very early and productive; large and of splendid shape.....	20c	2 00
<b>Dwarf Champion</b> , in this new variety we have a tomato that is entirely distinct.....	35c	3 50	<b>Paragon</b> , a large, round, solid tomato, which has given great satisfaction, a first rate sort to grow either for family use or market.....	20c	2 00
<b>Early Richmond</b> , extra selected; a favorite winter variety with our Los Angeles gardeners, in frostless districts	25c	2 50	<b>Ponderosa, or Henderson's Four Hundred</b> , grows to an enormous size, sometime weighing from 2 to 3 lbs. each. Very smooth and solid. Per pkt. 10c. Per oz.....	75c	
<b>General Grant</b> , a well-known and highly esteemed variety; flesh firm, solid; popular market variety.....	20c	2 00	<b>Strawberry, or Ground Cherry, (Alkekengi)</b> , a distinct species; grows enclosed in a husk; excellent for preserves; will keep with husks all winter	30c	3 00
<b>Golden Trophy</b> , identical in form and size with the Red Trophy. Color a beautiful canary-yellow, slightly tinged with red; desirable for table use and preserving.....	30c	3 00	<b>The Mikado</b> , a new variety of very large size and superior quality (see cut).....	25c	2 50
<b>Green Gage</b> , a prolific English variety, bearing clusters of fruit of a beautiful citron color; quite distinct in color, form and flavor.....	35c	3 50	<b>Trophy</b> , one of the largest and best flavored sorts cultivated, fruit solid and excellent, often weighing one pound and upwards.....	20c	2 00
<b>Yellow Plum</b> , small, elegant, smooth and firm fleshed; fine for preserving.....	30c	3 00			

**TURNIP.**

*Nabo—Ruebe—Navet.*

For earliest crops sow the Early White Flat Dutch, Munich or Milan varieties during the winter; and for summer crops sow any of the other varieties at intervals of a fortnight until June, in drills twelve inches apart; cover the seeds lightly unless the season be very dry; thin out the plants to six or eight inches apart. For fall or winter use sow the Golden Ball, White Stone or Purple and White Top Strap Leaf varieties. Success in raising Turnips depends greatly on the selection of soil and its subsequent preparation as well as the quality of seed.

**GARDEN VARIETIES.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Early Purple Top Milan</b> , the earliest of all Turnips.....	10c	60c	<b>Purple Top Strap-Leaf</b> , a popular kind, very productive, matures quickly; flesh white and sweet (see cut).....	10c	50c
<b>Early Purple Top Munich</b> , one of the earliest varieties (see cut).....	10c	50c	<b>Purple Top White Globe</b> , a variety of decided merit, globular in shape, very handsome, and of superior quality, either for the table or for stock. It is a heavy producer, early, of rapid growth, and an excellent keeper.....	10c	50c
<b>Early White Flat Dutch</b> , white flesh, medium size, quick growth (see cut)...	10c	50c	<b>White Stone</b> , fine and early.....	10c	50c
<b>Early White Egg</b> , an egg shaped variety, for spring and fall sowing; flesh firm, fine grained, mild and sweet; an extra keeper, and in every respect a first-class table and market sort.....	10c	50c	<b>White Top Strap-Leaf</b> , an excellent variety; flesh white, sweet and tender,	10c	50c
<b>Golden Ball</b> , a round, smooth English Turnip of fine quality; skin bright yellow, good keeper.....	10c	50c			



Early White Flat Dutch.



Purple Top-Strap Leaf.



Early Purple Top Munich.



Imperial Purple Top.

**RUTABAGA, OR SWEDISH TURNIPS.**

Extensively grown for a farm crop; also esteemed for table use; the roots are close grained, very hard and will endure a considerable degree of cold without injury. Select light, clean soil and sow in drills two feet apart, and thin out to eight or ten inches in the row, two pounds of seeds to the acre.

**FIELD VARIETIES.**

	Per oz.	Per lb.		Per oz.	Per lb.
<b>Imperial Hardy Purple Top</b> , large, handsome roots, of fine quality (see cut).....	10c	50c	<b>Skirving's Purple Top</b> , grows to a large size, of oval shape; flesh firm, solid and sweet; good keeper.....	10c	50c
<b>Laing's Improved Purple Top</b> , the earliest variety; succeeds well on rich free soil; very handsome roots, and of excellent quality; keeps well.....	10c	50c	<b>Sweet German, or Russian</b> , large, white, sweet and excellent; a first rate keeper, and good for either table or stock.....	10c	50c





# Culinary Roots and Plants.

NOTE—When ordered to be sent by mail, remit, in addition to price, for Cabbage, Cauliflower, Celery, Sweet Potato and Tomato plants, 15 cents per doz., 50 cents per 100; Egg and Pepper plants, 10 cents per doz., 40 cents per 100. Pot grown plants, double postage.

	Per doz.	Per 100.	Per 1000.
<b>Asparagus, (Conover's Colossal.)</b> One year old roots equal to two-year old eastern grown		\$1 00	\$7 50
<b>Cabbage Plants.</b> Early Winningstadt, Henderson's Early Summer, Fottler's Early Brunswick, Premium Flat Dutch and Red Drumhead.....	40	3 00	
<b>Cauliflower Plants.</b> Early Erfurt, Snowball, Lenormand's Mammoth and Large Algiers.....	1 00	7 50	
<b>Chives or Schnittlauch.</b> For flavoring soups, salads, etc.....per clump 25c	\$2 50		
<b>Egg Plants.</b> New York Improved Large Round Purple, grown in pots.....	75c	5 00	
<b>Garlic Sets.</b> Per lb., 15c; per 100 lbs., market price.....			
<b>Hop Vine Roots.</b> .....	50c	3 50	
<b>Horse Radish Roots, or Sets.</b> Thrive best in low, damp land. Plant in rows two feet apart, and in the rows, eighteen inches apart.....	25c	1 50	
<b>Pepper Plants.</b> Chili, Large Bell or Bull Nose, Sweet Mountain, etc.....	50c	3 50	
<b>Rhubarb Roots.</b> Linnaeus and Victoria, strong roots.....each 20c	2 00	12 00	
<b>Sweet Potato Plants.</b> Yellow Nansemond, and Large White.....	50	4 00	
<b>Tomato Plants.</b> Perfection, Beauty, Favorite, Mikado, Mayflower, New Dwarf, Champion and Ponderosa.....	25c	1 50	

## Seeds of Pot, Sweet and Medicinal Herbs.

A well assorted selection of the various kinds of Herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Some kinds are aromatic, while others are used for medicinal purposes. Care should be taken to harvest on a dry day, just before they fully blossom.

They may be sown in a sheltered, well prepared border, merely deep enough to cover the seeds. When plants appear they should be thinned out to a foot apart. Water carefully with a fine rose watering pot, and keep the surface soil loose. A slight mulching of fine litter will be found beneficial the first summer.



Lavender.



Rosemary.

	Per pkt.	Per oz.	Per lb.
<b>Angelica, Garden.</b> ( <i>Archangelica Officinalis.</i> ) Useful on account of its medicinal qualities.....	5c	35c	
<b>Anise.</b> ( <i>Pimpinella Anisum.</i> ) Seeds and leaves are both aromatic and carminative. Official and medicinal.....	5c	10c	75c
<b>Balm.</b> ( <i>Melissa Officinalis.</i> ) For making Balm Tea; valuable in cases of fever.....	5c	50c	
<b>Basil, Sweet.</b> ( <i>Ocimum Basilicum.</i> ) Culinary herb; used for flavoring soups, etc.....	5c	25c	

**SEEDS OF POT, SWEET AND MEDICINAL HERBS—Continued.**

	Per pkt.	Per oz.	Per lb.
<b>Bene.</b> ( <i>Sesamum Orientale</i> .) The leaves are used for dysentery and diarrhoea.....	10c	30c	
<b>Borage.</b> ( <i>Borago Officinalis</i> .) Used for salads; excellent for bees.....	5c	15c	
<b>Caraway.</b> ( <i>Carum Carvi</i> .) Principally cultivated for its seeds, which are used in confectionery and medicine. The under leaves are also sometimes used for flavoring soups.....	5c	10c	30c
<b>Catnip.</b> ( <i>Nepeta Cataria</i> .) Has medicinal qualities.....	10c	75c	
<b>Coriander.</b> ( <i>Coriandrum Sativum</i> .) Seeds highly aromatic; much used in confectionery.....	5c	10c	25c
<b>Cumin.</b> ( <i>Cuminum</i> .) Leaves and seeds both used for flavoring.....	5c	10c	30c
<b>Dill.</b> ( <i>Anethum Graveolens</i> .) Seeds aromatic; much used to flavor pickles.....	5c	15c	\$1 00
<b>Fennel, Sweet.</b> ( <i>Anethum Foeniculum</i> .) Used for flavoring soups and salads.....	5c	10c	1 00
<b>Horehound.</b> ( <i>Marrubium Vulgare</i> .) Valued highly as a remedy for Coughs and Pulmonary diseases.....	10c	30c	
<b>Hyssop.</b> ( <i>Hyssopus Officinalis</i> .) The leaves and flowers are dried and used medicinally..	10c	25c	
<b>Lavender.</b> ( <i>Lavandula Vera</i> .) A well known, popular, aromatic plant, used for distilling Lavender Water (see cut).....	5c	25c	
<b>Marigold, Pot.</b> ( <i>Calendula Officinalis</i> .) The flowers are used in soups.....	5c	25c	
<b>Marjoram, Sweet.</b> ( <i>Origanum Marjoram</i> .) Used for seasoning (see cut).....	5c	25c	



Sweet Marjoram.

<b>Rosemary.</b> ( <i>Rosmarinus Officinalis</i> .) An aromatic herb; the leaves are used for making hair-wash (see cut).....	10c	40c
<b>Rue.</b> ( <i>Ruta Graveolens</i> .) Used for medicinal purposes; also used as a remedy for croup in towels.....	5c	25c
<b>Saffron.</b> ( <i>Carthamus Tinctorius</i> .) Used medicinally, and also in dyeing.....	5c	15c
<b>Sage.</b> ( <i>Salvia Officinalis</i> .) Used in dressing and sauces.....	5c	20c
<b>Savory, Summer.</b> ( <i>Satureja Hortensis</i> .) Used as a culinary herb.....	5c	15c
<b>Savory, Winter.</b> ( <i>Satureja Montana</i> .) Used for the same purposes as the preceding—Perennial.....	5c	50c
<b>Thyme, Broad Leaved.</b> ( <i>Thymus Vulgaris</i> .) Used in soups, sauces and dressings, as seasoning.....	5c	30c
<b>Wormwood.</b> ( <i>Artemisia Absinthium</i> .) Used for medicinal purposes.....	10c	25c

**VARIOUS KINDS OF VEGETABLES USED FOR PICKLES.**

Directions for Culture of each will be found under the proper head.

Beans, Refugee.	Gherkin.	Pepper, Squash.
Beet, Blood Turnip.	Martynia.	Tomato, Green Gage.
Brussels Sprouts.	Nasturtium, Tall.	“ Red Cherry.
Cabbage, Red Dutch.	Onion, Silver Skin and Queen.	“ Strawberry.
Cauliflower, Early Paris.	Pepper, Chili.	
Cucumber, Nichol's Medium Green.	“ Sweet Mountain.	

**VARIOUS KINDS OF VEGETABLES USED FOR SALADS.**

Borage.	Celery.	Curled Cress.	Endive.	Mustard.	Onion, Welsh.
Water Cress.	Corn Salad.	Dandelion.	Lettuce.	Pepper.	Sorrel.

For Prices, see body of Catalogue.

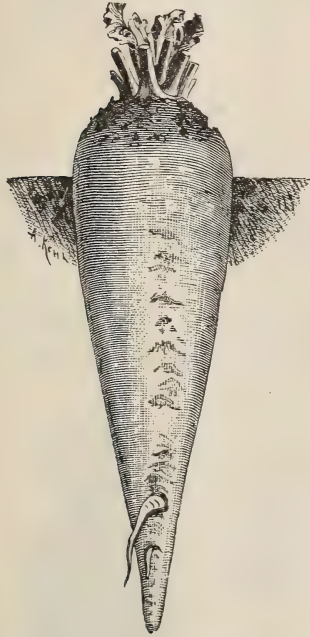


# Agricultural.

## ROOT CROPS.

We can recommend the Seeds of Root Crops offered by us with the greatest confidence. They are saved only from the finest selected Roots, and their purity and germinating power can be relied upon.

### BEET—SUGAR VARIETIES.



Lane's Improved Imperial.

The growth of Sugar Beets has attained such mammoth proportions in this State that we have made arrangements for an extraordinarily large supply for this season. We will quote prices per ton on application.

**Culture.**—Sow in beginning of March, first plowing and subsoiling to the depth of at least fifteen inches. The Seed should be soaked for twelve hours before sowing, and be covered at least one inch when sown. The rows should be fifteen inches apart, and the plants should be thinned to eight inches apart in the rows. Any vacancies can be filled up by transplanting. Sow none but the best selected Seed, as inferior Seed will produce inferior roots, both as to size and saccharine matter. The latest authorities, viz. Prof. H. W. Wiley's report, and the large raisers at Chino, California, recommend the sowing of from 15 to 17 lbs. per acre, thus doing away with the work of transplanting to fill up vacancies.



Vilmorin's Improved White Sugar.



White Munich.

**Klein Wanzlebener.** New. (For description and price see Novelty List.....)

**Lane's Improved Imperial.** An American variety originated in Vermont; contains a large percentage of Sugar; is a very large, uniform cropper, and is highly esteemed both for Sugar purposes or for feeding Stock. Has yielded 40 tons per acre, (see cut) .....

**Vilmorin's Improved White Sugar.** A much improved variety of the White Silesian, extensively cultivated as a Sugar producing Beet. Very valuable, (see cut)

**White Munich.** Large, good cropper, symmetrical, and rich in saccharine matter, (see cut).....

**White Silesian.** Grows to a large size. Is very useful for Sugar purposes or stock feeding. Very sweet and tender, (see cut)

Per oz. Per lb.

10c 35c

10c 35c

10c 35c

10c 30c



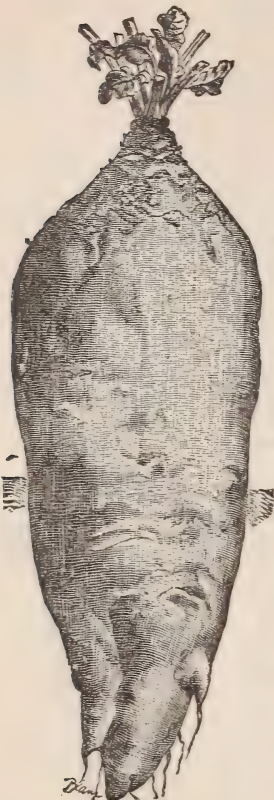
White Silesian.

**MANCEL WURZEL.**

Cultivated extensively for stock, being greatly relished by cattle and horses. Select a deep, rich loam and manure well. Sow any time from the middle of February until April, in drills two and a half to three feet apart, and thin to nine inches in the row. The long varieties should be given a deep, sandy loam; the round varieties should have the same soil, if possible, but will succeed well on strong, stiff land, where the longer sorts would fail. Sow six pounds to the acre.

**VARIETIES.**

	Per Per lb.	100 lbs.
<b>Champion Yellow Intermediate.</b> Very large, handsome and productive.....	40c	\$30 00
<b>Golden Tankard.</b> Bright yellow, handsome and sweet. A large cropper, and highly esteemed by dairymen.....	40c	30 00
<b>Long Yellow.</b> A good sort for main crop. Under good culture this is an enormous cropper.....	35c	25 00
<b>Mammoth Long Red.</b> A standard variety. Grows partly above ground, to an immense size, (see cut).....	35c	25 00
<b>Norbiton Giant Red.</b> Of immense size. A favorite English variety.....	35c	25 00
<b>Red Globe.</b> Roots large, of good quality. This and the three following varieties are best suited for shallow soils.....	35c	25 00
<b>Red Ovoid.</b> Very large, oval shaped.....	35c	25 00
<b>Yellow Ovoid.</b> A distinct variety; very productive.....	35c	25 00
<b>Yellow Globe.</b> A standard kind; a splendid keeper.....	35c	25 00



Mammoth Long Red.

**CARROT.**

A light, friable, sandy loam is best suited for Carrots. Apply plenty of fine, well decomposed manure, and cultivate thoroughly and often. It is important that the soil should be perfectly free from stones.

	Per oz.	Per lb.
<b>Improved Long Orange.</b> Grows to a large size, averaging a foot in length, with a diameter of three inches at the top. Good for table purposes or for stock.....	10c	75c
<b>Large White Belgian.</b> Very productive. Grown for stock feeding exclusively. Grows one-third out of the ground. Roots white, green above ground, (see cut).....	10c	60c
<b>Large Yellow Belgian.</b> Fine for stock. When young may also be used for the table. Good for winter and early spring use, being an excellent keeper.....	10c	60c



Large White Belgian

**KOHLRABI.**

Sow in spring, in rows eighteen inches apart, afterward thinning out the plants to eight inches. Will not readily transplant. Is not much used in this State, but is worthy of trial for stock, being much liked by sheep and cattle.

**Large White or Green.** This variety forms its fleshy protuberance under ground, and grows to a large size.

Per oz. 25 cents. Per lb. \$2.50.



**PARSNIP.**

One of our most valuable root crops for stock feeding. Its great nutritive qualities being generally acknowledged. Sow early in spring, on deep rich soil, in drills eighteen inches apart, and thin out to six inches apart in the rows. Hoe and cultivate often to keep down weeds.

	Per oz.	Per lb.
<b>Hollow Crown.</b> The standard variety; tender, sugary, and of excellent flavor.....	10c	50c
<b>Improved Guernsey.</b> Roots medium in length, white, smooth and tender.....	10c	50c

**TURNIP.**

For feeding Cattle and Sheep during fall and winter no crop is superior to the Turnip. Our stocks are from the best European sources and are sure to give satisfaction. The following are the most approved varieties for field culture.

	Per oz.	Per lb.
<b>Golden Ball, or Orange Jelly.</b> Very handsome; keeps well.....	10c	50c
<b>Laing's Improved Purple Top.</b> Early, handsome, of excellent quality and a good keeper	10c	50c
<b>Sweet Russian.</b> Good for either table or stock.....	10c	50c
<b>Skirving's Purple Top.</b> Very firm flesh; the best keeper.....	10c	50c
<b>Imperial Hardy Swede.</b> Very large and handsome.....	10c	50c

**Seed Grain.**

Express or Freight Charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. or ton lots of the following varieties of seeds given on application. 10 lbs. charged at 100 lb. rate.

**BARLEY.**

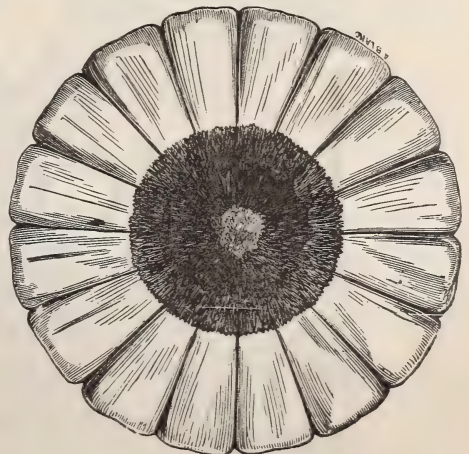
- Common.** Extra cleaned. Market price.
- Beardless.** Best for hay, being entirely free from beards, which have proven so injurious to the mouths of horses. Market price.
- Bald, or Russian.** Has no hull or husk, and considerably resembles wheat, except that the grains are very much larger in size; much esteemed for hay. Market price.

**BUCKWHEAT.**

- Common.** Buckwheat should be sown broadcast, at the rate of about 45 pounds to the acre. The average yield is from 25 to 30 bushels per acre. It should be threshed as soon as dry, on the ground or barn floor. If allowed to stand in mass it quickly gathers moisture. Excellent food for poultry and also useful for bees. Lb. 5c. 100 lbs. \$4.00.
- Silver Hull.** This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent, and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. Excellent for bees. Lb. 10c. 100 lbs. \$6.00.
- New Japanese.** See Novelty List.

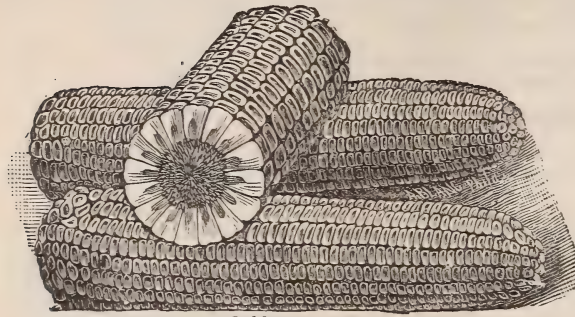
**CORN—Eastern Crown Seed.**

- Champion White Pearl** (100 days.) (See cut.) The stalk is short and thick. The ear grows low on the stalk, from seven to twelve inches in length, almost parallel throughout, of medium size, averaging sixteen rows of grain. The grains are pure white, very deep, compact, and heavy. Two grains will more than span the cob. The cob is small. It roots deeply and matures early. We recommend it highly. Selected ears, shelled. Lb. 10c. 100 lbs. \$7.50.
- Golden Beauty** (100 days.) (See cut.) The ears are remarkable in size, and filled out completely to the extreme end of the cob. The cob is the smallest, in comparison with the size of the ear, of any variety in cultivation, and when broken in half a grain will reach across. The richness of color and fine quality of the grain make it vastly superior for grinding into meal. The grains are not of a hard, flinty nature, neither are they so soft as to be greatly shrivelled. It matures early, ripening in 100 to 110 days from planting, and surpasses all in size and beauty of grain. Select ears, shelled, lb. 10c. 100 lbs. \$7.50.
- Hickory King** (110 days.) (See cut.) This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn. A single grain will completely cover the cob of an ear broken in half. Selected ears, shelled, lb. 10c. 100 lbs. \$8 00.



Champion White Pearl.

**SEED GRAIN—Continued.**  
**EASTERN CROWN CORN.**



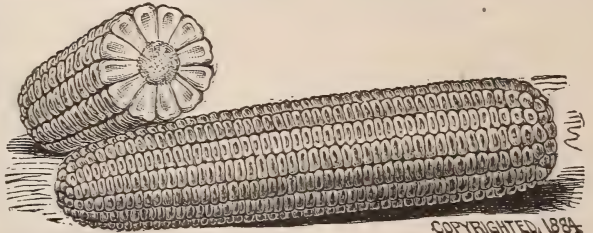
Golden Beauty.

**Improved Leaming** (90 days.) This is one of the earliest yellow Dent Corns in cultivation, ripening in 90 to 100 days from planting, surpassing the Yellow Canada and Flint varieties in earliness, productiveness, and quality. Over four tons of shelled corn have been grown on one acre. Selected ears, shelled, lb. 10c. 100 lbs. \$8.00.

**King Philip.** Very early. Usually matures three months after planting. Ears ten to twelve inches long. Kernel copper colored, smooth and of the flinty order. A favorite everywhere. Selected ears, shelled, lb. 10c. 100 lbs. \$7.50.

**White Rice Pop-Corn.** A variety most popular in the Eastern States and one that is very productive. The kernels are fine, white and pointed, and the ears from four to five inches in length, and from one to one and one-fourth in diameter. A favorite variety with retail grocers. Selected ears, shelled, lb. 10c. 100 lbs. \$5.00.

**White Flint Eight-Rowed Pop Corn.** The standard variety for market. It is largely used by pop-corn manufacturers. Grain is small, smooth, and pops out freely. Yields well, and can be husked rapidly. Selected ears, shelled, lb. 10c. 100 lbs. \$3.50.



Hickory King.

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**CALIFORNIA CROWN CORN.**

**Large Yellow.**

**Small Yellow.**

**Large White.**

**Small White.**

Prices quoted upon application.

**OATS.**

**Heavy White Oregon.** Prices quoted upon application.

**New Lincoln** (see cut). Described in Novelty List. Special circulars mailed on application, containing conditions of the competition for the \$500.00 cash prizes, offered for the largest yields by the introducers.

**LINCOLN OAT**

**\$500.00 IN CASH**

**FOR LARGEST YIELDS FROM A SINGLE BUSHEL**



**SEED GRAIN—Continued.****RYE.**

Winter.

Price quoted upon application.

**WHEAT.**

Australian, White.

Russian, White.

Sonora, White.

Prices quoted upon application.

**Clover and Grass Seeds.**

For Lawns, Meadows and Permanent Pastures.

Express or Freight Charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. lots of the following varieties of seeds given on application. 10 lbs. charged at 100 lb. rate.

**CLOVER SEEDS.**

We would call attention of purchasers to the purity and cleanliness of these seeds. Exercising the greatest care in their selection, we will engage them strictly prime always. Several varieties of Clover and Grass Seeds being subject to constant variation, it will be impossible for us to quote prices here in large quantities. We guarantee, however, that they will be found as low as the prices of any other samples—equally good—offered in market.

Prices quoted and samples sent free by mail any time upon application.

**Alsike, or Swedish.** (*Trifolium Hybridum.*) A hybrid between the Red and White Clovers, but of much stronger growth than the latter, and will yield a heavy crop on any soil. Stands drought well, yields a large return in Hay, and is unsurpassed for bees. Sow early in spring. Per lb., 25c.

**Alfalfa, or Lucerne.** (*Medicago Sativa.*) This valuable species is too well-known in California to need descriptions. It sends its roots to a great depth, and produces a prodigious amount of green food for cattle. In fact it has proven itself the best of all the Clovers grown in California. It will also answer for soiling in suitable situation. Should be cut as soon as it begins to flower or even earlier, as it is apt if cut later to become coarse and hard with woody fibre, and is less relished by cattle. As we make a specialty of Alfalfa, both wholesale and retail, we will state for the benefit of our patrons, that we purchase *none but Utah grown seed*, to guard against that parasitical evil, *Love Vine or Dodder*, the dread of all our farmers, and which has been so detrimental to the successful growing of Alfalfa in Southern California for some years past. Utah seed, owing to freight charges, is a little high in price, but the quality is generally much better than our home grown seed. Per lb., 15c; 100 lbs., market price.

**Burr Clover.** (*Medicago Maculata.*) California Burr Clover, Spotted Medick. An excellent fodder plant for the South. The stems are creeping and soon spread over a large area. Flourishes in dry soils, and is not affected by the drouth of Southern winters. The seeds are contained in small, burr-like pods, hence the name. About 12 lbs. of the burrs should be sown to the acre, and on good soil, lightly covered, will soon spread over the entire surface. Per lb., 15c; 100 lbs., market price.

**Crimson Trefoil, or Scarlet Italian Clover.** (*Trifolium Incarnatum.*) This is an annual variety greatly in use in the Southern States for feeding green. The yield in fodder is immense, and after cutting, it at once commences growing again, and continues until severe, cold, freezing weather. In warm climates, four or five cuttings are made during the season. It grows about one foot high; the roots are nearly black; leaves long; blossoms long, pointed, and of a very deep red or carmine color. Makes good hay. Sow in the spring, 12 lbs. to the acre. Per lb., 25c.

**Esparsette, or Sainfoin.** (*Hedysarum Onobrachyium.*) Cattle are very fond of this plant, both green, and made into hay. It is adapted for light dry soils, where irrigation is not obtainable. It is a perennial, from two to three feet in height, with a broad, flesh colored flower, and yields two crops a year. It has been experimented with in Utah, Idaho, Nevada, and some portions of California, along side with Alfalfa, and is said to do just as well, if not better, than this valuable clover. We should advise the sowing of about 50 lbs. of barley with 40 lbs. of Esparsette to the acre, as our experience is that without the barley for shade the crop is not always reliable in Southern California. Per lb., 20c; 100 lbs., \$15.

**Japan Clover.** (*Lespedeza Striata.*) This variety, originally introduced from Japan, has now naturalized itself in nearly all the Southern States. It will grow on the plains, and up to an altitude of 4,000 feet, stands drought well, and living after most other herbage is dead. For milch cows it is very beneficial, largely increasing the flow of milk. Sow in spring, 12 lbs. per acre. Per lb., 50c.

**Kidney Vetch or Sand Clover.** (*Anthyllis Vulnearia.*) A deep-rooted plant, valuable for dry sands and inferior soils, upon which Esparsette or Clover will not thrive. Eaten with avidity by sheep, cattle and horses. Useful in mixtures for dry soil. Also valuable for fixing loose sands. Produces abundantly of hay and seed. Sow 20 lbs. of seed per acre. Per lb., 50c; 100 lbs., \$40.

**CLOVER SEEDS—Continued.**

**Mammoth Red, or Cow Grass.** (*Trifolium Pratense Perenne.*) Quite distinct from the common Red Clover, having a shrubby stem, and a longer and more penetrating root, thus enabling it to withstand drought well. Grows five to six feet high, and is much used as a green manure. Sow 20 lbs. per acre alone, or 5 lbs. when mixed with other grasses. Per lb., 25c.

**Small Red.** (*Trifolium Pratense.*) A most valuable variety for fodder, also excellent for plowing under for manure. Will succeed on any soil of moderate fertility, and of average moisture. Another great advantage in favor of the cultivation of this variety consists in its rapid growth. But a few months elapse from the sowing of the seed before it yields, ordinarily, an abundant and nutritious crop, relished by cattle of all kinds. Per lb., 25c.

**Trefoil, or Hop Vine Clover.** (*Medicago Lupulina.*) Very distinct, bearing yellow flowers, and of erect and branching growth. Yields a large hay crop. Useful in mixtures with other Clovers and Grasses, when 2 lbs. is sufficient for an acre. When sown alone for hay, 20 lbs. should be used. Per lb., 30c.

**White Dutch.** (*Trifolium Repens.*) An excellent pasturage plant, forming in conjunction with the natural grasses, 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. It is the best variety of clover to mix with grasses for lawns. Sow early in spring. Per lb., 50c.

**GRASS SEEDS.**

The following are the most valuable Grasses for agricultural and other purposes, and the particulars we give respecting the habits and uses of the different varieties will be a guide to those who may desire to experiment in a selection of sorts suitable for permanent pastures, etc. The grass seeds we offer have mostly been collected separately by hand and afterwards thoroughly cleaned.

☞ The prices of some varieties may change as the season advances.

**Bermuda, or Couch Grass.** (*Cynodon Dactylon.*) This Grass, the "Doob" Grass of India, is one of the most valuable for hot countries, suitable either for Lawn or Pasture, and very valuable for fixing loose soils. It has become naturalized in the Gulf States, and in New Orleans is universally used for Lawns. For eight months in the year it is beautifully green; in cold weather it turns brown. It spreads rapidly, and may be easily propagated by dividing and planting in small clumps. The seed will not germinate in cold weather. April, May and September are the best months in which to sow. Sow 10 lbs. to the acre. Per lb., \$1.50.

**Crested Dog's-Tail Grass.** (*Cynosurus Cristatus.*) A valuable grass for sheep pastures, on dry, hard soil and hills. It also belongs to the family of Lawn Grasses. 25 lbs. to the acre. Per lb., 50c; 100 lbs., \$40.

**Italian Rye Grass.** (*Lolium Italicum.*) A valuable annual variety, thriving well in any soil, and yielding early and abundant crops. Sow 60 lbs. to the acre. Per lb., 15c; 100 lbs., \$9.00.

**Kentucky Blue, or Smooth Meadow Grass.** (*Poa Pratensis.*) Very valuable for California, as it thrives in moderately dry soils and withstands the hot summers. Does not become thoroughly established till the third year. Also a valuable lawn grass. For lawns sow 100 lbs. per acre; for pastures 30 lbs. is sufficient. We offer none but fancy cleaned seed. Per lb., 25c; 5 lbs. for \$1.00.

**Meadow Fescue, or English Blue Grass.** (*Festuca Pratensis.*) One of the earliest, most nutritious and productive of the Fescues. Attains its full productiveness the second year. Is much relished by stock. Sow 40 lbs. to the acre. Per lb., 25c; 100 lbs., \$15.00.

**Mesquite, Meadow Soft Grass, or Yorkshire Fog.** (*Holcus Lanatus.*) This grass will succeed on low, swampy ground, or on dry soils, and in general in situations where other grasses would perish. Per lb., 15c; 100 lbs., \$8.00.

**Orchard Grass, or Cocksfoot.** (*Dactylis Glomerata.*) A very valuable grass, all kinds of stock being greedily fond of it. Will bear cropping well. When established will withstand both floods and drought; will withstand our summer heat well, and, mixed with Red Clover, is probably the best pasture grass for this section. Sow 40 lbs. to the acre. Per lb., 20c; per 100 lbs., \$14.00.

**Perennial Rye Grass.** (*Lolium Perenne.*) (See cut.) The merits of this grass are becoming more recognized every year. It adapts itself to almost any soil, germinates freely, and seeds abundantly. Of upright habit, bearing abundance of nutritious foliage, it is much relished by stock, and its roots being fibrous and penetrating give it a permanency not possessed by many other species. It is also the basis of most mixtures. Sow 60 lbs. per acre. Per lb., 15c; 100 lbs., \$8.00.



Perennial Rye Grass.



## GRASS SEEDS—Continued.



Red Top.

**Red Top.** (*Agrostis Vulgaris.*) (See cut.) A valuable permanent Grass in mixtures for either pastures or lawns, standing heat well and growing in almost any soil. Ripens later than almost any other Grass. Sow 30 lbs. to the acre. Per lb., 15c; 100 lbs., \$10.

**Sweet Vernal Grass.** (*Anthoxanthum Odoratum.*) Useful mixed with other grasses, on account of its excellent quality and early growth. It emits an agreeable odor when cut for hay, and all kinds of stock eat it greedily. Sow 10 lbs. per acre in mixture with other sorts. Per lb., 75c.

**Timothy, or Herd's Grass.** (*Phleum Pratense.*) This grass thrives best on moist soil, or rich, wheat-bearing alluvial lands. Should be cut when seeds are ripe, as the nutritive value of the hay will be twice as great as when cut in flower. On account of its first yielding an abundant hay crop and then a nutritious aftermath, it is particularly valuable as a pasture grass. Sow 20 lbs. to the acre. Per lb., 10c; 100 lbs., \$7.00.

**Yellow Oat Grass.** (*Avena Flavescens.*) Desirable in mixture with other varieties, for dry soils. Per lb., 75c.

**Our Own Special Mixture of Best Grasses and Clovers,** in the most suitable proportions, especially suited for Southern California dry soils. Sow 50 lbs. to the acre. Per lb., 25c; 100 lbs., \$20.00.

**For Lawn Grass and Remarks on the Formation of Lawns,** see separate page (54).

## Forage Plants.

Express or Freight Charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. lots of the following varieties of seeds given on application. 10 lbs. charged at 100 lb. rate.

**Alfilaria.** (*Erodium Cicutarium.*) Commonly called California Clover, Crane's Bill or Wild Geranium as it belongs to the same family. The seed is very scarce and hard to procure, owing to the difficulty in gathering free from weeds. We are the only seedsmen who have endeavored to put it on the market in merchantable condition, and we are pleased to say with success, owing to our employing none but the most careful collectors. As to quality, it is one of the most nutritious of grasses, cattle, sheep, horses and hogs alike prefer it to any other natural product of the plains. It makes the sweetest milk and butter, and the best meat of any of the natural fodder plants of this state. When nearly at maturity it is very fattening, and may be considered a strong, safe feed for grazing animals. We are indebted to Mr. G. W. Burton, of the Los Angeles *Herald*, for the following regarding his experience in the culture of Alfilaria. He states that during the winter of 1880, he deeply sub-soiled a piece of land in the San Gabriel valley, which was allowed to lay fallow through the next year, which produced naturally an ordinary crop of Alfilaria; the next year produced a crop of the grass which grew fully two feet high, and as thick as the plants could stand in the ground. When the blossom was turned to seed, the crop cut and cured similar to other hay, it was as much as a two-horse mower could do to get through it, and the yield was fully three tons to the acre. The hay was put under cover and all winter long the animals on his farm preferred the Alfilaria to either Alfalfa or barley hay. The cattle and horses became fat beyond all experience, and the cows gave more milk than when fed on any other fodder.

We heartily recommend the Alfilaria for use on the large stock grazing ranges of Arizona and New Mexico, and to the notice of any ranchers in California where the grass does not grow naturally. Per lb., \$1. Special prices given on large quantities.

## MILLETS.



Hungarian.

**French Round White, Imported.** A very choice variety of Millet with large, round, pearly white seeds, used by the French for making into bread, generally sold in this country for feeding valuable foreign birds. Has been grown very successfully by some of our customers as an early and rich fodder plant. Per lb., 20c; 100 lbs., \$15.

**German, or Golden Millet.** This variety is not so early as the Common Millet, but yields a much larger crop. Will grow from three to five feet in height; the heads are closely condensed and the spikes very numerous. Seeds round and golden yellow in color. It will yield two crops a season. When well matured the stalks are readily eaten by all kinds of stock, and when ripe it will stand for more than two weeks without falling or wasting. Has given great satisfaction wherever grown. Per lb., 10c; 100 lbs., \$5.

**Hungarian (Grass) Millet.** (*Panicum Germanicum*). This annual forage plant is a Millet, and it is one of the most valuable for a soiling crop, as it will grow in any ordinary soil, and will withstand the most severe drouths. It may be sown in this latitude as late as the middle of June, with the assurance of a full crop of rich, green grass relished by stock of all kinds. It flourishes in somewhat light and dry soils, though it obtains its greatest luxuriance in soils of medium consistency, and well manured. As a green crop for plowing in, it is very fructifying (see cut.) Per lb., 10c., 100 lbs., \$5.

**Italian Millet.** (*Setaria Italica*.) This variety grows much larger than Hungarian Grass, and produces a heavier crop; not quite so early; heads nodding, four to six inches long, yellowish; seeds oval, slightly flattened, yellow. Per lb., 15c; 100 lbs., \$9.

**Common Millet.** (*Panicum Miliaceum*.) Very early; height two to three feet; foliage broad and very abundant; heads open, branching panicles; seeds glossy, oval, somewhat flattened. Per lb., 10c; 100 lbs., \$5.

*The foregoing Millets should all be cut while in bloom.*

**Pearl, or Egyptian Millet.** (*Pennisetaria Spicata*). This is quite distinct from all other species, and is without doubt destined to take a place in the front rank of vegetable forage plants. Sown in light, sandy soil, the plants at first appear feeble, resembling Broom Corn; but when a few inches above ground they begin to tiller, and new shoots appear very rapidly from the original root. When cultivated for fodder the seed should be dropped in drills and given plenty of room, on account of the peculiar habit of tillering. The fodder is in the best condition for cutting and curing when the stalks are five to six feet high; but, if used for soiling, it might be cut earlier or later, at the convenience of the cultivator; the stumps, sprouting and throwing up new growth, continue to grow until killed by frost. Per lb., 30c; 10 lbs., \$2.50.

**Evergreen Millet, or Johnson Grass.** (*Sorghum Halepense*.) A perennial with fleshy underground stems, about the size of the little finger. These are very tender, and are much liked by hogs. They literally fill the ground near the surface, and every joint will develop a bud. On good ground, the stems attain a height of five to ten feet, growing about as thick as they can stand on the ground. It likes dry, hot weather, and will grow luxuriantly where it is too hot and dry for most other grasses. Breaking up the land once in a few years is all the cultivation required, though it will repay for a top-dressing with manure. Sow early in the spring, at the rate of thirty pounds of seed per acre. The seed should not be sown until the weather becomes moderately warm. Per lb., 20c; 100 lbs., \$15.

## FIELD PEAS.

These are sown for marketing dry, for split Peas, for fodder or for stock. For these purposes they are sown on land in fair tith and in good heart, plowed in the autumn or early as possible in the spring, at the rate of two and one-half bushels to the acre, either broadcast or in drills. Sown at the rate of one and one-half bushels to the acre, with an equal quantity of oats, they are cut and cured with oats either as hay or to be threshed, when both grains are bound together.

**Blue Prussian.** The boiling Pea of commerce. Per lb., 10c; 100 lbs., \$3.50.

**Southern Cow Pea, Black Eye.** This is not exactly a Pea but more properly belongs to the Bean family. The pods may be harvested for the grain, and the plants plowed under to fertilize the soil. The seed or grain is ground and used for cattle fodder; the stalks and leaves also make excellent fodder, fed green. Poor, sandy land, may be greatly improved by plowing under a crop of Cow Peas, and thus made into a fertile loam. Plant in a thoroughly pulverized soil. If wanted to plow under for manure, sow with a grain drill in drills a foot apart. If grown for fodder or the seed, plant three and a half feet apart and cultivate thoroughly. The seed must not be sown until the ground has become thoroughly warm. Seed large, round, oblong; creamy white, with a large black eye. Per lb, 5c; 100 lbs., \$3.50.

## MISCELLANEOUS.

**Kaffir Corn, or Imphi.** Introduced from South Africa. This plant is low, stocky and perfectly erect. It does not tiller, but branches from the top joints. The whole stalk, as well as the leaves, cures into excellent fodder, and is good for green feed at all stages of its growth. When the grain turns white, clip the heads, and other heads will come. If required for fodder, sow in spring, either broadcast or in drills, three feet apart at the rate of 10 lbs. per acre. If required for grain, sow 4 lbs. per acre. Per lb., 15c; 100 lbs., \$10.

**Brown Dhoura, or Egyptian Rice Corn.** A wonderfully productive fodder plant that has been thoroughly tried, and is seemingly superior to all others for soiling or dry fodder. It is much sweeter than corn stalks, and cattle, horses and hogs will eat it ravenously. The seed is excellent for fowls. It stands firm against the highest wind, roots deep, and will endure without injury a drouth, that sometimes ruins corn. Culture same as corn. Sow five pounds to the acre. Per lb., 5c; 100 lbs., \$3.50.



## MISCELLANEOUS—Continued.

**White Dhoura, or Egyptian Rice Corn.** The yield of grain is very great, and cooked when the kernels are not fully ripe, like green corn, it has the flavor of chestnuts; or after fully ripe, cooked like rice, or ground into fine flour or meal, and used for baking. A favorite variety with poultry raisers. Per lb., 5c; 100 lbs., \$3.50.

**Large African Millet.** A variety growing stalks eight to ten feet high, and yielding heads of grain twelve to fourteen inches long, weighing six ounces to a half-pound when fully ripe. If the whole stalk is cut down and cured when the seeds are in the dough state, it makes excellent forage, easy to cure, keeps well in out-door shocks, and much liked by stock in the winter. If cut in the green state, it makes excellent green feed and the shoots that spring at once from the root make a second crop of forage. It bears dry weather and gives a crop where corn would wholly fail. Plant in early spring, in three-foot rows, leaving one to two plants every twelve inches in the row, and cultivate as corn. This variety will yield a heavy crop of forage, besides fifty bushels of seed per acre. Per lb., 15c; 100 lbs., \$12.50.

**White Millo Maize, or Branching Dhoura.** Valuable as a forage plant and for its grain, having great capacity to stand drouth. It can be cut and fed at any stage, or cured when heading out, for fodder. It bears grain in erect, full heads, and is almost equal to corn for feeding all sorts of stock; also makes excellent meal. It requires all summer to mature seed. Plant in April, three to five seeds in a hill, eighteen inches apart, four foot rows, and thin to two plants and cultivate as corn. It shoots out greatly and makes a great amount of foliage. Three to five pounds per acre. Can be cut for green feed several times a season. Average yield of seed about forty bushels per acre. Per lb., 15c; 100 lbs., \$12.50.

**Yellow Millo Maize, or Yellow Branching Dhoura.** This growth is tall, nine to twelve feet, stooing from the ground like the White Millo Maize, but not so much. The seed heads grow to great size on good land, often weighing three-fourths of a pound, sometimes a full pound after being fully ripe. These heads are set close and solid, with a large plump grain, double the size of White Millo, and of deep golden yellow color. By reason of size and weight, each head is fully equal in grain to a fine ear of corn. The heads begin to turn down usually as soon as formed, and when ripe it hangs on a short goose-neck stem. On account of its branching habit, and tall, massive growth, this grain should be planted in four to five foot rows, and two to three feet in the drill, according to the quality of the land, two plants in a hill. The cultivation is like corn. Average yield fifty bushels of seed. Per lb., 15c; 100 lbs., \$12.50.

**Sorghum, or Chinese Sugar Cane.** (*Sorghum Sacharatum*.) EARLY AMBER.—The earliest and most productive variety. Its saccharine matter is of first quality, fine and rich; it stands well and is not easily blown down; it grows to the height of from ten to twelve feet; makes sugar or syrup equal to any in the market. One of our best green fodder plants, producing from two to three cuttings during the summer. The seed is relished by all kinds of stock. Sow six pounds in drills, and twelve pounds broadcast to the acre. Per lb., 10c; 100 lbs., \$6.00.

EARLY ORANGE.—A well-known variety, well adapted for the South; it is from eight to ten days later than the Early Amber; produces syrup of excellent quality. Per lb., 10c; 100 lbs., \$6.00.

**Spurry.** (*Spergula Arvensis*.) Small annual plant, succeeding best in sandy soil. It can be used in a green state, or for hay. Butter made from the milk of cows fed on this is considered of a superior quality in Belgium and Holland. It serves a useful purpose, growing luxuriantly on indifferent land. Should be sown early in spring, fifteen pounds to the acre. Per lb., 20c; 100 lbs., \$15.00.

**Sweet Corn.** For Fodder, Ensilage, or Soiling. Per lb., 10c; 100 lbs., \$6.00.

**Tares, or Vetches.** (*Vicia Sativa*.) A most valuable forage plant. Also excellent as a green manure. Sow in early spring, with oats, barley or rye, which help to support it, and greatly and to its productiveness. When sown in conjunction with either of the above, 30 lbs. is sufficient for an acre; if alone 100 lbs. is required. Per lb., 15c; 100 lbs., \$10.00.

**Teosinte.** (*Reana Luxurians*.) Recommended as the most prolific forage plant yet introduced. In appearance somewhat resembles corn, but the leaves are much longer and broader. The stalk, containing much saccharine matter, is very nutritious. It can be cut several times during the season, yielding enormously. If allowed to grow without cutting, will attain a height of twelve to fifteen feet. One seed will sometimes produce twenty to sixty stalks or shoots. Should not be planted until the soil is perfectly warm in spring. Requires about four pounds of seed per acre. Plant in drills three feet apart, and two to three seeds every twelve inches in drill. Per oz., 20c; lb., \$2.00.

## Sundry Seeds of Economic Plants, Etc.

Express or Freight Charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. lots of the following varieties of seeds not given will be sent on application. 10 lbs. charged at 100 lb. rate.

**Beans.** COMMON ENGLISH HORSE BEANS. Per lb., 10c; 100 lbs., \$4.00.

**Broom Corn.** IMPROVED EVERGREEN.—This variety is more cultivated than any other, on account of the color and quality of its brush, which is of good length, fine and straight, and always green; it brings the highest market price; grows about seven feet high. Per lb., 10c; 100 lbs., \$6.00.

**Broom Corn.** LARGE CALIFORNIA GOLDEN.—One of the most popular kinds for making brooms; it has the advantage of not requiring to be bent down until ready to cut, as the brush has a leaf or sheath around its base, which keeps it from crooking or bending over; grows about twelve feet high, brush long and very straight, of a green color, tipped with red when ripe. Per lb., 10c; 100 lbs., \$6.00.

**Broom Corn.** DWARF.—This variety grows about four feet high, extra fine for making brushes or whisks. Sow twelve pounds of Broom Corn Seed of the above varieties to the acre. Per lb., 10c; 100 lbs., \$6.00.

**Broom, Scotch.** (*Genista Scoparia*.) The young growth of this Shrub is chiefly valuable as food for sheep and other animals in winter. Coarse brooms are also manufactured from it. Per oz., 10c; lb., 50c.

### SUNDRY SEEDS OF ECONOMIC PLANTS, ETC.—Continued.

**Caper Tree.** (*Capparis Spinosa*.) The undeveloped flower buds are the true Capers of Commerce. Flowers, bluish, very handsome. Per pkt., 25c.

**Caterpillars.** (*Astragalus var.*) A curious plant, interesting from the fact that the Seed Pods resemble living Caterpillars. Much fun is caused by mixing them in salads. Per pkt., 10c.

**Cotton.** SEA ISLAND.—Best variety. Per oz., 10c; lb., 25c.

**Cotton.** TENN. UPLAND.—Sow 25 lbs. to the acre. Per oz., 10c; lb., 25c.

**Fenugreek.** (*Trigonella Farnum Græcum*.) An annual, very fragrant. The Seed is often used to give temporary fire and vigor to horses; also given to cattle while fattening, causing them to drink and digest their food; also useful as a green manure for plowing under. Per oz., 10c; per lb., 60c.

**Flax, or Lin Seed.** Best Riga. Per lb., 10c.

**Garvanzas, or Chick Peas.** Largely used for Soup. Per lb., 10c.

**Hop Vine (Seed.)** (*Humulus Lupulus*.) Well known. Per pkt., 25c; per oz., \$1.50.

**Jute.** (*Corchorus Textilis*.) A textile plant, the fibres of which are used for making coarse sacks and cloth. It thrives in any good corn ground. Sow in drills eight inches apart, four pounds to the acre. It will out-grow all weeds. May also be sown broadcast, six pounds per acre. Per oz., 15c; per lb., 75c.

**Lentils.** (*Ervum Lens*.) Best Imported. Succeed best in dry, sandy soil. A leguminous annual, the seeds of which are valuable for pigeons, and also are largely used for soups. Per lb., 15c.

**Liquorice.** (*Glycyrrhiza Glabra*.) In pods; a perennial plant, the roots of which furnish the Liquorice of commerce. Per oz., 30c; lb., \$3.00.

**Peanut.** The Peanut thrives and produces best on a light, sandy, tolerably fertile soil, with a good clay subsoil. It possesses a long tap root, which extends deep into the earth, drawing thence the nutriment which is beyond the reach of many of our cultivated crops. The soil should be deep and mellow, and well broken up, so as to be ready for planting as soon as the frosts are over. April is a suitable time. They may be planted in the pod, or shelled, two in a hill; it is best to drop about four in a hill on the level ground, the rows being laid off three and a half feet wide, and the hills two feet asunder; cover them two or three inches. When they come up, thin them to two in a hill, and if there be any vacancy, transplant. It is better to plant them level than on ridges, as they are less liable to suffer from drouth. The only after culture they require is to keep the ground clean and mellow, and a slight hilling up when they are laid by. They will produce from twenty-five to seventy-five bushels per acre, according to soil and culture, and are as easily cultivated as corn. Virginian, per lb., 15c; 100 lbs., market price. Californian grown, per 100 lbs., market price.

**Poppy.** OPIUM. The seed furnishes about thirty-five per cent. of an agreeable sweet oil, good for eating, painting and illuminating. May be sown in spring, either broadcast or in drills, covering with but little earth. Also cultivated for opium. Per oz., 20c; lb., \$1.00.

**Pyrethrum Cineralefolium.** The plant from which is made the Persian Insect Powder in Europe, or "Buhach" as made in California. Per oz., \$1.00.

**Ramie.** SILVER CHINA GRASS. (*Urtica Nivea*.) This is the variety now so extensively cultivated in the South for its fibre. The seed should be germinated by sowing it on cotton, floating in a tub of lukewarm water, and transferring it to a bed, screened from the hot sun. When the plants are four inches high, transplant to a field, in rows four feet apart each way; and when the plants are three feet high, turn them over and peg to the ground, after which cover them with earth, and they will start in every direction, completely covering the field in a short time. Per oz., 75c; lb., \$9.00.

**Scurvy Grass.** (*Cochlearia Officinalis*.) Used in salads, same as cress. A good antiscorbutic. Per oz., 25c.

**Spurry.** (See cut.) (*Spergula Arvensis*.) Succeeds well in sandy soil. Is first-class for milch cows. Can be fed green or as hay. Per lb., 30c.

**Sunflower.** (*Helianthus Annuus*.) The Sunflower is rapidly acquiring a reputation as a valuable farm crop. Its seeds are superior food for poultry (said to improve the meat), and it has yielded forty bushels per acre. The leaves are claimed to make excellent cattle fodder and the stems may be used for fuel.

**RUSSIAN MAMMOTH.** Very large. Per lb., 15c; per 100 lbs., market price.



Spurry.

### BIRD SEED.

Our Bird Seeds are always re-cleaned, fresh and sweet. Rancid and musty Seed are injurious to your birds. If wanted to be sent by mail, 10 cents per pound must be added to prepay postage.

	Per lb.	3 lbs. for	Per oz.	Per lb.
Mixed Bird Seed.....	10c	25c		
Mixed Canary and Rape.....	10c	25c		
Canary .....	10c	25c		
Hemp .....	10c	25c		
	Per lb.	21 lbs. for		
Millet, Italian.....	15c	25c		
Rape, German Sweet .....	15c	25c		
<b>Maw.</b> (Blue Poppy).....			10c	20c
<b>Lettuce Seed, for Birds</b> .....			10c	50c
<b>Cuttle Fish Bone</b> .....			each 5c	50c
<b>Rice, unhulled</b> .....			10c	25c
<b>Millet, White French, excellent for all seed-eating birds</b> .....				20c

**Mixed Large Seeds, for Parrots**.....Per lb., 15c; 2 lbs. for 25c.  
**Peas, for Pigeons**.....Per lb., 10c; 100 lbs., \$6.00



# Farm Tables.

## TABLE OF WEIGHTS.

SHOWING THE STANDARD WEIGHTS PER BUSHEL OF SOME OF THE MORE COMMON SEEDS.

Barley .....	48 lbs.	Flax.....	56 lbs.	Rye.....	56 lbs.
Beans .....	60 "	Hemp .....	44 "	Red Top Grass.....	14 "
Buckwheat .....	48 "	Hungarian Grass.....	48 "	Rape.....	50 "
Blue Grass .....	14 "	Millet .....	48 "	Timothy .....	45 "
Clover .....	60 "	Oats .....	32 "	Tares, or Vetches.....	60 "
Corn.....	56 "	Peas .....	60 "	Wheat .....	60 "

## NUMBER OF TREES OR PLANTS TO AN ACRE OF GROUND.

SET AT REGULAR DISTANCES APART.

Distance Apart.	No. of Plants.	Distance Apart.	No. of Plants.	Distance Apart.	No. of Plants.
3 inches by 4 inches.....	522,720	4 feet by 4 feet.....	2,722	13 feet by 13 feet.....	257
4 inches by 4 inches.....	392,040	4½ feet by 4½ feet.....	2,151	14 feet by 14 feet.....	222
6 inches by 6 inches.....	174,240	5 feet by 1 foot.....	8,712	15 feet by 15 feet.....	193
9 inches by 9 inches.....	77,440	5 feet by 2 feet.....	4,356	16 feet by 16 feet.....	170
1 foot by 1 foot.....	43,560	5 feet by 3 feet.....	2,904	16½ feet by 16½ feet.....	160
1½ feet by 1½ feet.....	19,360	5 feet by 4 feet.....	2,178	17 feet by 17 feet.....	150
2 feet by 1 foot.....	21,780	5 feet by 5 feet.....	1,742	18 feet by 18 feet.....	134
2 feet by 2 feet.....	10,890	5½ feet by 5½ feet.....	1,417	19 feet by 19 feet.....	120
2½ feet by 2½ feet.....	6,960	6 feet by 6 feet.....	1,210	20 feet by 20 feet.....	108
3 feet by 1 foot.....	14,520	6½ feet by 6½ feet.....	1,031	25 feet by 25 feet.....	69
3 feet by 2 feet.....	7,260	7 feet by 7 feet.....	881	30 feet by 30 feet.....	48
3 feet by 3 feet.....	4,840	8 feet by 8 feet.....	680	33 feet by 33 feet.....	40
3½ feet by 3½ feet.....	3,555	9 feet by 9 feet.....	537	40 feet by 40 feet.....	27
4 feet by 1 foot.....	10,890	10 feet by 10 feet.....	435	50 feet by 50 feet.....	17
4 feet by 2 feet.....	5,445	11 feet by 11 feet.....	360	60 feet by 60 feet.....	12
4 feet by 3 feet.....	3,630	12 feet by 12 feet.....	302	66 feet by 66 feet.....	10

**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 square feet in an acre (43,560) will give the number of plants or trees to the acre.

## TABLE OF QUANTITIES.

SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

	Lbs. to the Acre.		Lbs. to the Acre.
Alfalfa.....	25 to 30	Grass, Timothy.....	20
Barley—broadcast.....	125 to 150	Grass, Mesquite.....	35
Beans, dwarf or bush—hills.....	40	Grass, Hungarian.....	25
Beans, " " —drills.....	80	Millet.....	25
Beans—Tall or Pole—hills.....	25	Hemp—broadcast.....	40 to 50
Beet, Garden.....	6	Melon, Water—hills.....	.2 to 3
Beet, Sugar.....	15	Melon, Musk—hills.....	2
Beet, Mangel Wurzel.....	6	Oats—broadcast.....	80
Broom Corn—drills.....	12	Onion, for Dry Bulbs—drills.....	4
Buckwheat—broadcast.....	45	Onion, for Black Seed, for bottom sets.....	30
Cabbage—in beds to cover an acre after } transplanting.....	¼ to ½	Parsnip—drills.....	5
Carrot—drills.....	3	Peas—drills.....	50 to 80
Clover, Red alone—broadcast.....	15	Peas—broadcast.....	150
Clover, White alone—broadcast.....	10	Potatoes—hills.....	.500 to 600
Clover, Alsike—broadcast.....	10	Pumpkin—hills.....	3
Corn, Sweet or Field—hills.....	15	Radish—drills.....	8
Corn to cut green for fodder—drills or broadcast.....	125	Rye—broadcast.....	100
Cucumber—hills.....	1 to 2	Sage—drills.....	8
Flax (when wanted for seed).....	30	Spinach—drills.....	10
Flax (when wanted for fibre).....	50	Squash, Bush varieties—hills.....	4
Grass, Kentucky Blue (for pasture).....	30	Squash, Running varieties—hills.....	3
Grass, Kentucky Blue (for lawns).....	100	Tomato—in beds to transplant.....	1
Grass, Orchard.....	40	Turnip and Rutabaga—drills.....	2
Grass, English or Australian Rye (for meadow).....	60	Turnip and Rutabaga—broadcast.....	1½
Grass, English or Australian Rye (for lawns).....	75	Vetches—broadcast.....	100
Grass, Italian Rye.....	60	Wheat—broadcast.....	100
Grass, Red Top.....	30	Wheat—drills.....	75

**FARM TABLES—Continued.**

QUANTITY OF SEED REQUIRED TO PRODUCE A GIVEN NUMBER OF PLANTS,

OR TO SOW A CERTAIN QUANTITY OF GROUND.

Artichoke.....	1 oz. to 500 plants	Lettuce.....	1 oz. to 5,000 plants
Asparagus.....	1 oz. to 60 ft. of drill, 500 plants	Melon, Water.....	1 oz. to 30 hills
Beans, Dwarf.....	1 lb. to 50 ft. of drill	Melon, Musk.....	1 oz. to 100 hills
Beans, Tall.....	1 lb. to 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
Broccoli.....	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 1,000 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 100 hills	Spinach.....	1 oz. to 100 ft. of drill
Egg Plant.....	1 oz. to 2,000 plants	Squash, Early.....	1 oz. to 50 hills
Endive.....	1 oz. to 200 ft. of drill, 3,000 plants	Squash, Winter.....	1 oz. to 15 hills
Kale.....	1 oz. to 2,000 plants	Tomato.....	1 oz. to 4,000 plants
Kohl-rabi.....	1 oz. to 2,000 plants	Tobacco.....	1 oz. to 10,000 plants
Leek.....	1 oz. to 200 ft. of drill		

**Hints on the Formation and Improvement of Garden Lawns.****CROQUET GROUNDS AND PARKS.**

The preparation of the Lawn is usually preliminary to the laying out of the Flower Beds in new grounds. This should be carefully done, as if this work is imperfect, it cannot afterward be remedied, unless by undoing the work done, and re-doing it in a proper manner. The first thing to be done is to get the ground to the proper grade desired. Then dig or plow up the ground to the depth of eight inches, afterward carefully harrowing and removing all large stones, etc. If the soil is thin, procure a supply of fine mould and spread over to a depth of five inches. If trees are to be planted, one foot to eighteen inches of soil should be applied in the places where planting is to be done. If the soil is poor, well rotted stable manure, well incorporated with the soil, will be very beneficial; or if this is unobtainable, 200 pounds of Ground Bone per acre may be applied. Then rake level, and roll well the soil to make a firm bottom. When sowing the seed, choose a calm, damp, cloudy day, and sow at the rate of 100 pounds per acre (one pound will sow well 16 feet square). The seed should be carefully raked in, and again well rolled. In dry weather, regular and careful watering is strictly essential. *Never let the ground dry out.* Should the surface once become powder dry while the seed is germinating, the latter would inevitably perish. When the grass is up to the height of three inches, it should be cut and rolled, and cutting should be repeated every week till the grass has become firm and turfy. When weeds appear, they should be carefully cut out with a sharp knife, care being taken to disturb the young grass no more than is absolutely necessary. With the most careful sowing and attention some bare spots will be found in the Lawn. These may be filled up by scoring the spots with a steel rake, and then resowing and raking in more seed. A light dressing of manure or bone-dust should be applied to every Lawn annually, and the roller should be used frequently during winter when the state of the ground and weather will permit.

**Finest Mixed Dwarf Semi-Tropical Lawn Grass,** for producing a fine, close and velvety turf, improving lawns, croquet grounds, etc. This mixture we have made up specially for Southern California. It will be found to thrive with much less watering than is required to keep a Blue-Grass Lawn in condition. We have aimed to supply only those grasses which are suitable for dry soils, and which we know will grow satisfactorily in our climate, and as the principal portion of the finer grasses thrive better growing together than separately, a more lasting sod, than can be obtained by Blue Grass may be expected. Per lb., 40c; 100 lbs., \$35.

**Kentucky Blue Grass.** Extra, fancy cleaned. The grass usually sown for lawn purposes. Per lb., 25c; 100 lbs., \$15.





## From Seeds.

### REMARKS ON SOWING AND CULTURE.

We have heard it remarked that the position of a person or nation in the scale of refinement and civilization may be judged by his or their love of two things, viz: Music and Flowers.

The use and growth of Flowers, especially, marks the progress of individuals and nations, the greatest nations of the earth being those with whom the love of Floriculture most prevails. To the lover of Flowers, what can be more interesting than to sow the seed, water, and otherwise care for the growth and development of the plant, and, at last, enjoy the expansion of the flowers? What does the sense of proprietorship of the purchaser of flowers compare to that of the grower of them? The latter feels that they are verily his own, the results of his fostering care. Among those Flowers which may be grown with a minimum amount of care and expense are those varieties which reproduce themselves from seeds. These are classed as Annuals, Biennials and Perennials, and these are subdivided into Hardy, Half Hardy and Tender varieties of each class. *Hardy Annuals* are those plants which may be sown in the open air. They grow, flower, produce seed and then die. *Half Hardy Annuals* are those varieties which require an even temperature, of at least 60 degrees to germinate the seed, and will not stand frost; consequently they must not be sown in the open ground during the fall or winter months, and not in spring till April. A good rule for those to follow who wish to sow this class is to wait for the proper weather and season in which to sow Corn, Melon or Pumpkin Seeds. These being *Half Hardy Annual Vegetable Seeds*, it follows that Half Hardy Annual Flower Seeds may be sown without risk at the same time.

*Tender Annuals* are those that require greenhouse protection as Calceolaria, etc. The seeds are usually very fine, and it requires skill and care to raise them.

*Hardy Biennials* are those that flower the second year from sowing the seed and then die.

*Hardy Perennials* are among the finest of our Border Plants. They do not usually flower till the third year after sowing, but may be relied upon to produce larger clumps of flowers year by year for many years. *Half Hardy Perennials* are those which require some protection during the coldest weather, as they will not stand frost. *Tender Perennials* are those species that require Greenhouse or other protection during the greater part of the year, as they are, generally speaking, natives of tropical countries.

The best time to sow *Hardy Annuals* is in the fall months, as they will make much stronger plants, and flower much more abundantly when wintered over. They may be sown in any finely prepared shady border, and transplanted, when large enough, to where they are to flower. *Do not cover the seeds too deep.* A good rule is to cover each seed its own depth with soil, at the same time taking care to water carefully. Never water so much that the soil gets "soggy," i. e. saturated; nor never let the top get dry. Most varieties will germinate within ten days.

They may be also sown any time during the spring months for summer blooming, care being taken to shade the young plants, after transplanting, in hot weather.

*Half Hardy Annuals* may be sown in April out of doors, or in boxes in March or earlier. If in boxes they should be covered, or removed under cover, during the night time, and during heavy rains. Those who have hot beds may sow the seed in February and grow the plants in 3-inch pots, for planting out doors in April, thus gaining two months on those who have not this advantage. If sown in boxes, the boxes should have an inch of rough soil, or gravel, at the bottom for drainage; the remainder of the box should be filled within an inch of the top with sifted, light rich soil, firmly pressed, and the seed should be sown, covered its own depth with soil, again pressed and watered. When the young plants are large enough to be handled, prick out into other boxes, planting them about one inch apart, and, when weather permits, should afterwards be planted in the open ground to the place where they are to flower.

*Tender Annuals* should be sown in pots as follows. Take a 5 or 6-inch flower pot, put an inch of drainage in the bottom, then two inches of finely sifted soil, firmly pressed, with a sprinkling of sand on top. Then sow the seed, and do not cover, but press it into the soil. Water with a very fine sprinkler, and cover the top of the pot with a sheet of glass. Remove the glass for an hour daily to dry up the damp. When seedlings appear, gradually harden them off to the air. As soon as they can be handled, prick out into 2-inch pots, and shift again when necessary.

*Hardy Biennials* and *Perennials* should be sown in September. Many varieties, if sown then, will flower the next year. If sown in spring they will not flower till a year later. They may be sown in a shady border, and when large enough, transplanted to where they are to remain.

*Half Hardy* and *Tender Perennials* should be sown in boxes, and treated as recommended for *Half Hardy Annuals*, till plants appear, when they should be pricked into two-inch pots, and shifted afterwards when necessary.

We have arranged our List of Flower Seeds, according to the various classes. Annuals [including separate lists of Ornamental Grasses and Gourds and Everlasting Flowers.] Climbers, Annual and Perennial and Biennials and Perennials in separate list.

ABBREVIATIONS: *hh* means Half Hardy Annual or Perennial; *t* means Tender Annual or Perennial. Where no abbreviation is used, the variety will prove hardy in this climate. The letter *b* affixed to a variety, means that it is useful for bouquets and cut flowers.

**ANNUALS.**

	Height in feet	Price per pkt.
<b>Abronia Umbellata.</b> Delicate rose.....	$\frac{1}{4}$	5c
The "Sand" Verbena, a beautiful native trailer.		
<b>Adonis, Flos.</b> Crimson, with black eye.....	1	5c
The "Pheasant's Eye," a beautiful, showy, free flowering plant.		
<b>Ageratum Mexicanum.</b> Imperial Dwarf		
Blue (see cut).....	$\frac{3}{4}$	5c
White.....	$\frac{3}{4}$	5c
A fine annual for bedding or mixed borders.		
<b>Alonsoa Grandiflora.</b> Vivid scarlet.....	2	5c
Warscewiczii. Scarlet, very free bloom- ing.....	2	5c
Flowers small but numerous, strikingly bril- liant and most continuous bloomers.		
<b>Alyssum, Sweet.</b> White.....	$\frac{3}{4}$	5c
Compact, dwarf white.....	$\frac{1}{3}$	5c
Well-known fragrant annuals of easy growth, b.		
<b>Amaranthus Bicolor Ruber, hh.</b> Carmine scarlet foliage.....	2	5c
Henderii, hh. Various shades of red.....	2	10c
Melancholicus Ruber, hh. Blood red.....	1	10c
Salicifolius, hh [Fountain Plant]. Purple, crimson and gold.....	3	10c
Tricolor, hh [Joseph's Coat]. Red, green and yellow.....	1	5c
Giganteus, hh.....	5	10c



Ageratum Mexicanum (Imperial Dwarf).

The Amaranthus are splendid plants to give a tropical effect in Mixed Borders and Shrubbery. Plant in sunny places, and poor soil.

<b>Anagallis, mixed, various colors</b> .....	$\frac{1}{2}$	10c
The "Pimpernel," free blooming, attractive plants for borders.		
<b>Argemone, mixed, white or yellow</b> .....	2	5c
The "Mexican Poppy." Very showy.		
<b>Asperula Azurea Setosa.</b> Light blue.....	1	10c
Dwarf. Free blooming, slightly fragrant.		
<b>Aster.</b> Dwarf Pyramidal Bouquet, mixed.....	$\frac{3}{4}$	10c
Dwarf Chrysanthemum flowered, mixed.....	1	10c
Quilled German, mixed.....	$1\frac{1}{2}$	10c
Globe flowered, mixed.....	$1\frac{1}{2}$	10c
Victoria, mixed.....	$1\frac{1}{2}$	15c
Truffant's Peony flowered perfection, mixed.....	$1\frac{1}{2}$	15c
Cocardeau, or Crown (see cut), with white centers, mixed.....	$1\frac{1}{2}$	10c
Giant Emperor. Flowers 3 inches in diameter, mixed.....	$1\frac{1}{2}$	15c
Washington, mixed.....	$1\frac{1}{2}$	15c

The Aster, when well grown, is one of the earliest blooming annuals, and presents a greater diversity of color than any other, comprising all shades but yellow. May also be grown in pots. The Victoria, Truffant's Perfection, Giant Emperor and Washington are very large and double, b.



Cocardeau.

	Height in feet,	Price per pkt.
<b>Balsam, hh.</b> Double Rose flowered, mixed.....	2	10c
Camellia flowered, mixed (see cut).....	2	10c
Dwarf, mixed.....	1	10c
Carnation striped, mixed.....	2	10c
Solferino. White, lilac and scarlet.....	2	10c
All kinds, mixed.....	2	10c

Balsams, or "Touch Me Nots," are among the finest of our annuals, either for garden or pot culture. We offer none but the finest French and German strains.

<b>Bartonia Aurea Nana.</b> Yellow.....	$\frac{1}{2}$	5c
A showy native plant. Good for borders and shrub- bery.		
<b>Brachycome Iberidifolia.</b> Blue.....	$\frac{1}{2}$	5c
White.....	$\frac{1}{2}$	5c
"Swan River Daisies." Free blooming plants, with Cineraria-like flowers. Natives of Western Aus- tralia.		
<b>Browallia Elata, hh.</b> Blue.....	$1\frac{1}{2}$	10c
White.....	$1\frac{1}{2}$	10c



Camellia Flowered.



**ANNUALS—Continued.**

	Height in feet.	Price per pkt.
<b>Browallia Roezlii</b> , <i>hh.</i> Deep red.....	1½	10c
Pretty border plants, also suitable for pot culture.		
<b>Cacalia Coccinea</b> . Scarlet.....	½	5c
"Flora's Paint Brush." A neat annual, <i>b.</i>		
<b>Calandrinia Grandiflora</b> . Reddish lilac.....	1	5c
<b>Umbellata</b> . Vivid crimson.....	¼	5c
Portulaca-like plants, fond of sunshine, well suited for rockwork.		
<b>Calceolaria Hybrida Superba</b> , <i>t.</i> Beautifully blotched and mottled.....	1½	50c
<b>Nana</b> , <i>t.</i> Dwarf, very neat.....	1	50c
<b>Striata</b> , <i>t.</i> New striped.....	1½	50c
The seed we offer has been hybridized by the best European cultivators and is the most superb strain procurable. Sow in August.		
<b>Calendula Officinalis</b> . "Meteor." Yellow, striped and bordered orange.....	1¾	5c
"Prince of Orange.".....	¾	5c
"Pot Marigolds." Of easy culture. The above are fine double sorts, <i>b.</i>		
<b>Calliopsis</b> , Bicolor, yellow and brown, semi-double.....	2	5c
<b>Burridgii</b> . Crimson, edged gold, fine.....	2½	5c
<b>Fine mixed</b> . All colors.....	2	5c
Also called Coreopsis. Showy plants for borders, <i>b.</i>		
<b>Candytuft</b> . Crimson (see cut).....	1	5c
<b>Purple</b> .....	1	5c
<b>Rocket, white</b> .....	1	5c
<b>White</b> .....	¾	5c
<b>White, fragrant</b> .....	1	5c
<b>Fine mixed</b> . All colors.....	1	5c
Well known plants of easy culture and dwarf habit. Good for bedding in masses, <i>b.</i>		
<b>Cannabis Gigantea</b> . "Giant Hemp," <i>hh.</i> .....	6	5c
Ornamental in shrubbery and sub-tropical grouping.		
<b>Catchfly</b> . Fine mixed.....	1	5c
Bright colored, free flowering, showy and pretty.		
<b>Celosia Cristata</b> , <i>hh.</i> Dark purple.....	2	10c
<b>Empress</b> , dwarf crimson, splendid.....	1	15c
<b>Glasgow Prize</b> , crimson, (see cut).....	2	15c



Candytuft.



Celosia Cristata.

	Height in feet.	Price per pkt.
<b>Celosia Cristata</b> , <i>hh.</i> Finest mixed.....	1 to	10c
<b>Pyramidalis Aurea</b> , <i>hh.</i> Yellow, plumed.....	3	10c
<b>Crimson</b> , plumed.....	2	10c
<b>Mixed</b> .....	2	10c
Celosia Cristata is the Cockscomb. These varieties make splendid decorative plants when grown in pots. Celosia Pyramidalis are the feathered varieties, which are also magnificent plants for the same purpose.		
<b>Centaurea Cyanus</b> . Emperor William. Sky blue.....	2	5c
<b>White</b> .....	2	5c
<b>Red</b> .....	2	5c
<b>Dark blue</b> .....	2	5c
<b>Mixed</b> .....	2	5c
[See also Perennials]. "Corn Flowers."—Free blooming hardy plants for mixed borders, <i>b.</i>		
<b>Centranthus Macrosiphon</b> . Pink.....	1	5c
<b>Bicolor</b> . Pink and white.....	1	5c
<b>Mixed</b> . Various colors.....	1	5c
Showy annuals, with valerian-like flowers, <i>b.</i>		

**ANNUALS—Continued.**

	Height in feet.	Price per pkt.
<b>Chrysanthemum Tricolor</b> Burridgeanum. White, with crimson ring.....	2	5c
Dunnettii, mixed. Various colors.....	2	5c
Double mixed. Various colors.....	2	5c
Coronarium. Double white.....	2	10c
Double yellow.....	2	10c
[See also Perennials]. The annual Chrysanthemum is rapidly rising in favor, being showier than the Marguerite, and of diverse colors, <i>b</i> .		
<b>Cineraria Hybrida, t.</b> Choicest mixed.....	1	50c
Dwarf.....	$\frac{3}{4}$	50c
New double.....	1	50c
[See also Perennials]. Valuable winter and spring flowering pot plants for window or greenhouse culture. Our strain is the finest obtainable. Our double strain is particularly fine, the flowers being as large and full as the Double Scabious.		
<b>Clarkia Elegans.</b> Purplish rose.....	1 $\frac{1}{2}$	5c
Double rose.....	1 $\frac{1}{2}$	5c
Pulchella. Purple.....	1 $\frac{1}{2}$	5c
Purple double.....	1 $\frac{1}{2}$	5c
Fine mixed. All kinds.....	1 $\frac{1}{2}$	5c
Well-known plants of general utility, especially useful in mixed borders and well adapted for massing in beds.		
<b>Cliaanthus Dampierii.</b> Scarlet, with black center.....	4	15c
The Australian "Desert Pea." A magnificent flower. Water sparingly after sowing.		
<b>Clintonia pulchella.</b> Blue, white and yellow.....	$\frac{1}{2}$	5c
A pretty little plant for rockwork.		



Collinsia Bicolor.



Cosmos Hybridus.

<b>Collinsia bicolor.</b> Purple and white (see cut).....	1	5c
An early, profuse blooming native plant.		
<b>Convolvulus minor roseus.</b> Pink.....	1	5c
Mixed colors.....	1	5c
"Dwarf Morning Glory." Excellent for clumps in mixed borders.		
<b>Cosmos.</b> Pure white.....	4	5c
Fine mixed, various colors (see cut).....	4	5c
Showy flowers, somewhat resembling the Coreopsis. General favorites, <i>b</i> .		
<b>Datura Huberiana, hh.</b> Double mixed.....	3	10c
Fine, showy plants for shrubbery and mixed borders, with large, double, trumpet-shaped flowers.		
<b>Erysimum Perowskianum.</b> Yellow.....	2	5c
Showy flowers, resembling a yellow Candytuft.		
<b>Eschscholtzia Californica.</b> Yellow.....	1	5c
White and carmine.....	1	10c
Orange.....	1	5c
Double.....	1	10c
Double white.....	1	10c
Mandarin. Orange and Mandarin red.....	1	10c
Fine mixed, all sorts.....	1	5c
The well known "Californian Poppy." We offer several new varieties that are not generally known. All the above are useful for rockwork.		
<b>Eucharidium, Mixed.</b> Various colors.....	1	5c
Showy, dwarf, compact plants, resembling the Clarkia.		
<b>Euphorbia Variegata, hh.</b> Leaves green and white.....	2	10c
The leaves of this plant are very useful in bouquets, <i>b</i> .		
<b>Eutoca, Mixed.</b> Various colors.....	$\frac{1}{2}$	5c
Good for bedding purposes and for cut flowers, <i>b</i> .		
<b>Fenzlia Dianthiflora.</b> Pink and white.....	$\frac{1}{4}$	15c
A charming, profuse flowering little plant, excellent for rockwork, etc.		



**ANNUALS—Continued.**

	Height in feet.	Price per pkt.
<b>Gilia Tricolor.</b> Violet, yellow and white.....	1	5c
Tall sorts. Mixed.....	1	5c
Dwarf sorts. Mixed.....	½	5c
Native Annuals, very showy, useful for massing.		
<b>Godetia.</b> Duchess of Albany. Large white.....	1½	5c
Lady Albemarle. Dark crimson.....	1½	5c
Rubicunda. Red.....	1½	5c
Splendens fl. pl. Double red.....	1½	5c
Finest mixed.....	1½	5c
Splendid profuse blooming Native Annuals for borders.		
<b>Gypsophila Muralis.</b> Pink.....	½	5c
A nice little rock plant, also suitable for edgings. [See also Perennials, b].		
<b>Hawkweed.</b> Mixed.....	1	5c
Showy plants, with double flowers, useful for borders.		
<b>Helianthus Californicus.</b> Double.....	6	5c
Globosus Fistulosus. Double quilled.....	6	5c
Green centered. Double.....	4	5c
Ornamental Double Varieties of the well known Sunflower, good for backgrounds, and for screening unsightly objects.		
<b>Hibiscus Africanus.</b> Yellow, with dark centre.....	2	5c
Very showy, flowers resembling those of the Cotton Plant. [See also Perennials.]		
<b>Ice Plant.</b> [Mesembryanthemum Crystallinum.]		
White, trailer.....	Tr.	5c
Curious and pretty, also useful for garnishing.		
<b>Kaulfussia Amelloides.</b> Blue.....	1	5c
Mixed.....	1	5c
The "Blue Marguerite," Very handsome in contrast with the white, b.		
<b>Larkspur.</b> Dwarf rocket. (See cut).....	2	5c
Tall stock flowered.....	2½	5c
Very showy Annuals, profuse blooming and well known.		
<b>Leptosiphon Androsaceus.</b> Lilac.....	¾	5c
Hybridus. Fine mixed.....	¾	5c
Profuse bloomers, with delicate foliage, useful for small clumps in mixed borders. Good for rock work.		
<b>Limnanthes Douglassii.</b> Yellow.....	¼	5c
Sometimes called "Yellow Nemophila," with which plant it contrasts well.		
<b>Linaria Biparlita Splendida.</b> Dark purple.....	1	5c
Striata. Striped.....	1	5c
"Toad Flax." Small Snap Dragon-like flowers; purple, flecked with gold. [See also Perennials.]		
<b>Linum Grandiflorum Rubrum.</b> Scarlet.....	1	5c
"Scarlet Flax." Unsurpassed for brilliancy and duration of bloom. [See also Perennials.]		
<b>Lobelia Erinus Erecta.</b> Blue.....	½	10c
Crystal Palace Compacta. Dark blue.....	½	10c
Duplex. Double.....	½	15c
Emperor William. Light blue, compact.....	½	10c
Paxtoniana. Blue and white.....	½	10c
Ramosa. Blue, erect habit.....	1	10c
Fine mixed.....	½	10c
Pretty plants for edging or pot culture, also useful for hanging baskets and vases. [See also Perennials.]		
<b>Love Lies Bleeding.</b> Crimson (see cut).....	2	5c
Amaranthus Caudatus. Showy border plant, with crimson racemes.		
<b>Lupinus.</b> Mixed Annual. Various colors.....	2 to 3	5c
Showy plants for borders and shrubbery. [See also Perennials b.]		
<b>Malope Grandiflora.</b> Mixed.....	2	5c
Of robust and vigorous growth, flowers purplish, crimson or white.		
<b>Marigold, African.</b> Lemon-colored.....	2	5c
Orange.....	2	5c
Mixed.....	2	5c
French. Dwarf yellow.....	1	5c
Striped.....	1	5c
Mixed (see cut).....	1	5c
Favorite showy plants for mixed borders. [See also Calendula, b.]		



Larkspur.

**ANNUALS—Continued.**



Love Lies Bleeding.



Marigold French.

	Height in feet.	Price per pkt.
<b>Matthiola Bicornis.</b> Purple.....	1/2	5c
The Night-scented Stock. Fragrant in the evening.		
<b>Mesembryanthemum.</b> Tricolor, purple, rose and white, trailer.....	Tr.	5c
The "Dew Plant," useful for edgings, or rock work.		



Mignonette.



Nasturtium.

<b>Mignonette, Sweet,</b> Greenish white, (see cut).....	1/3	5c
Large flowering, greenish white.....	1/4	5c
Crimson Giant.....	1	5c
Golden Queen.....	1	10c
Machet, fine for pot culture.....	1	10c
Miles's hybrid spiral, very large spikes.....	1	10c
New White, fine long spikes.....	1	10c
Reseda Odorata. Too well known to need comment. The last four kinds are particularly fine. <i>b.</i>		
<b>Nasturtium, Tom Thumb, hh.</b> Beauty, yellow and scarlet, (see cut).....	1	5c
Scarlet.....	1	5c
Dark crimson.....	1	5c
Empress of India, dark leaves and crimson flowers.....	1	10c
Golden King, dark foliage.....	1	10c
King of Tom Thumbs, dark foliage, scarlet flowers.....	1	10c
King Theodore, nearly black.....	1	10c
Pearl, white.....	1	10c
Yellow.....	1	5c
Finest mixed.....	1	5c

[For tall Nasturtiums see Climbing Plants].

Useful bedding plants, mostly of dazzling colors, also they may be planted in vases or hanging baskets. The dark foliaged kinds are very ornamental.

<b>Nemophila Insignis.</b> Beautiful sky blue.....	1/2	5c
White.....	1/2	5c
Marginata, blue with white margin.....	1/2	5c
Maculata, large—white with purple blotch.....	1/2	5c
Fine mixed.....	1/2	5c
Love Grove. Charming Californian annuals for borders.		



**ANNUALS—Continued.**

	Height in feet.	Price per pkt.
<b>Nicotiana Affinis.</b> Large, white and fragrant.....	4	10c
Macrophylla. Purple flowers, large leaves.....	4	10c
Variegata. Variegated leaves.....	4	10c
Ornamental varieties of tobacco.		
<b>Nigella Damascena.</b> Double, lavender blue.....	1	5c
Hispanica. Blue, curious flowers.....	1	5c
Alba. White.....	1	5c
"Love in a Mist," or "Devil in the Bush." Singular flowers, the upper petals being reflexed to resemble horns. <i>b.</i>		
<b>Nolana,</b> Fine mixed.....	Tr.	5c
Trailing plants, resembling Dwarf Convolvulus. Colors blue and white; good for rockwork and vases.		
<b>Obeliscaria pulcherrima,</b> Crimson maroon, with yellow borders.....	2	10c
"Obelisk" Flower. Very singular and pretty, the petals curiously reflexed.		
<b>Oxyura Chrysanthemoides.</b> Yellow and white.....	1	5c
A showy Californian plant, an abundant bloomer.		
<b>Pansy.</b> See list of Perennials.		
<b>Perilla Nankinensis,</b> <i>hh.</i> Very dark leaves.....	1½	5c
Large leaved, dwarf.....	½	10c
Ornamental leaved plants, somewhat resembling dark-leaved Coleus. Good for ribbon beds.		



Phlox Drummondii, Striped.



Phlox Drummondii, Large Flowering.

<b>Phlox Drummondii.</b> White.....	1	10c
Double.....	1	15c
Dark purple.....	1	10c
Chamois rose.....	1	10c
Bright scarlet.....	1	10c
Red, with white eye.....	1	10c
Rose, striped white (see cut).....	1	10c
Pink.....	1	10c
Rose, white eye.....	1	10c
William I., crimson striped.....	1	10c
Fine mixed.....	1	5c
Large flowering, fine mixed, (see cut).....	1	10c
Very dwarf, Fireball, brilliant scarlet.....	¼	10c
Violet.....	¼	10c
Extra fine, mixed.....	¼	10c
Cuspidata. "Star Phlox," mixed.....	1	15c
Fimbriata. Fringed Phlox, mixed.....	1	15c

We cannot praise too highly the merits of this lovely flower. The ease with which it may be grown, its neat, free flowering habit, and the diversity and brilliancy of its colors, render it an universal favorite. The large flowering section is very fine. The dwarf varieties, in bloom, appear perfect globes of flowers. The Cuspidata has its petals extended just like the five points of a star.

<b>Platystemon Californicum.</b> Yellow.....	¾	5c
A native plant, with lemon-colored flowers, early blooming. Good for borders.		
<b>Poppy.</b> Carnation, double, mixed.....	2	5c
Danebrog, Scarlet, blotched white.....	2	5c
French, or Ranunculus-flowered, mixed.....	2	5c
Mikado, new, white and purple fringed.....	2	10c

## ANNUALS—Continued.

	Height in feet.	Price per pkt.
<b>Poppy.</b> Peony-flowered, fine mixed.....	1½	5c
Shirley, mixed, a distinct new race, fine.....	2	10c
Fine Annual Poppies of brilliant colors. They make a splendid show in borders or shrubbery.		
<b>Portulaca.</b> Single. Yellow striped, <i>hh</i> .....	1	5c
Yellow, <i>hh</i> .....	1	5c
White, <i>hh</i> .....	1	5c
Scarlet, <i>hh</i> .....	1	5c
Crimson, <i>hh</i> .....	1	5c
Mixed, <i>hh</i> .....	1	5c
Double. White, <i>hh</i> .....	1	10c
Golden, <i>hh</i> .....	1	10c
Golden striped, <i>hh</i> .....	1	10c
Pink, <i>hh</i> .....	1	10c
Crimson, <i>hh</i> .....	1	10c
Scarlet, <i>hh</i> .....	1	10c
Mixed, finest quality.....	1	15c
Mixed, good quality.....	1	10c
For exhibiting a display of dazzling brilliance the Portulaca is unrivalled. It revels in sunshine and will stand quite a degree of drought. The double varieties bear flowers like miniature roses. Equally well adapted for beds, borders or rockwork.		
<b>Prince's Feather.</b> Crimson spikes.....	2	5c
A hardy Amaranth, useful in borders and shrubbery.		
<b>Ricinus Africanus Albidus.</b> White foliage.....	6	5c
Borbonieusis Arboreus. Very stately.....	15	5c
Sanguineus. Blood red foliage.....	6	5c
Ornamental varieties of the Castor Oil Bean. Very effective as single specimens or in groups on lawns.		
<b>Salpiglossis, hh.</b> Scarlet.....	1½	10c
Finest tall mixed.....	1½	10c
Finest dwarf mixed.....	1	10c
Flowers are somewhat like Petunias, with veined, velvety surface, <i>b</i> .		
<b>Sanvitalia Procumbens.</b> Single yellow.....	Tr.	5c
Double yellow.....	Tr.	5c
Profuse blooming trailing plants for beds, rockwork, etc. Sometimes called the "Trailing Sunflower."		
<b>Saponaria Calabrica.</b> Pink.....	½	5c
White.....	½	5c
Scarlet.....	½	5c
Mixed.....	½	5c
The Calabrian Pink or "Soapwort." One of the best hardy annuals, covered with small star-shaped flowers, blooming perpetually during the season, and adapted for beds, rockwork or edgings.		
<b>Schizanthus Grahamii, hh, red</b> .....	1½	10c
Grandiflorus oculatus, purple, spotted black.....	1½	10c
Pinnatus, blue.....	1½	10c
Finest mixed.....	1½	10c
Of much interest and beauty, the flowers being beautifully marked, after the style of some orchids. Good for house culture or out doors, <i>b</i> .		
<b>Senecio, or Jacobea.</b> Double White.....	1	10c
Purple.....	1	10c
Red.....	1	10c
Mixed.....	1	10c
"American Groundsel." Showy flowers, succeeding well in any soil, <i>b</i> .		
<b>Silene Pendula.</b> Red.....	1	5c
Red, double.....	1	5c
White.....	1	5c
Mixed.....	1	5c
One of the best Hardy Annuals for early spring flowering. Seed may be sown in succession at intervals of two or three weeks through the winter and early spring. Good for bedding or edging.		
<b>Solanum.</b> Weatherill's Hybrids, mixed, <i>hh</i> .....	1	10c
Decorative species for pot culture, bearing orange colored berries in winter and spring.		



**ANNUALS—Continued.**

	Height in feet	Price per pkt.
<b>Stocks. Ten Weeks. Dwarf Bouquet. Finest mixed (see cut).</b>	1	10c
Large flowered. Finest mixed.....	1	10c
Pyramidal. Finest mixed.....	1	10c
Wallflower leaved. Finest mixed	1	15c
Snowflake,		
Pure white.	1	15c
New Giant. Mixed.....	2	15c
Mixed. All colors.....	2	15c

[For Intermediate, Brompton and other Stocks, see Perennials]. The Stocks offered above are imported from a leading German firm. The seed is saved from pot grown plants, and may be relied upon to produce nearly all double flowers, *b*.



Stocks, Ten Weeks.

<b>Sultan, Sweet. Purple</b> .....	1½	5c
White.....	1½	5c
Yellow.....	1½	5c
Mixed.....	1½	5c

Pretty border plants with fragrant flowers, *b*.

<b>Venus's Looking Glass. Blue</b> .....	Height in feet 2 1/4	Price per pkt. 5c
White.....	2 1/4	5c

Pretty bell-shaped flowers, blooming profusely, well adapted for edgings and hanging baskets.

<b>Venus's Navelwort. White</b> .....	1	5c
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A profuse blooming white Annual for borders and edgings.

<b>Virginian Stock. Red</b> .....	1 1/2	5c
White.....	1 1/2	5c

Well-known. A succession of bloom may be obtained by sowing at any time of the year.

<b>Viscaria Celirosea. Rose of Heaven. Pink</b> .....	3/4	5c
Elegans Picta. Rose and scarlet.....	1	5c
Oculata. Rose, dark eye.....	1	5c
Fine mixed.....	1	5c

For mixed borders, very showy.

<b>Whitlavia Grandiflora. Violet Gloxinoides. White and blue</b> ...	1 1/2	5c
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A native plant, with profuse tubular flowers. Good for beds, edgings and mixed borders.

<b>Zinnia, hh. Finest double mixed (see cut.)</b> .....	2	5c
Finest dwarf mix'd	1	5c
New Giant mixed.	3	10c
Haageana fl. pl. double yellow.....	1	10c

"Youth and Old Age." Of great beauty and utility, rivaling Asters in form, and superior to them in variety of color. In the front rank of border flowers, *b*.



Zinnia, Double.

**ORNAMENTAL COURDS AND CUCURBITACE.**

These are nearly all Climbing Annuals, with curious, grotesque fruits. When dried, many of the shells may be utilized for various purposes, as for dippers, drinking utensils, troughs, etc. They grow rapidly in hot weather, and are very useful for screening unsightly objects, *hh, a*.

	Height in feet.	Price per pkt.
<b>Abobra Viridiflora. Greenish flowers</b> .....	6	10c
A tuberous perennial Gourd, with pretty scarlet fruits.		
<b>Bryonopsis Laciniosa Erythrocarpa</b> .....	5	10c
Very ornamental, with pleasing cut foliage, and bright colored fruits.		
<b>Cucumber, Snake. (Cucumis flexuosus)</b> .....	6	10c
Fragrant, or Pomegranate Melon.....	4	10c
Wild. Very curious.....	4	10c
<b>Gourd, Bottle-shaped. White flowers</b> .....	10	10c
Calabash-shaped.....	10	10c
Dipper.....	10	10c
Dishrag. When properly prepared this is very serviceable in many ways.....	6	10c
Egg-shaped.....	10	10c

**ORNAMENTAL GOURDS AND CUCURBITACEE—Continued.**

	Height in feet.	Price per pkt.
Gooseberry, smallest.....	6	10c
Hercules' Club. Fruits 7 to 8 feet in length.....	15	10c
Orange-shaped. (Mock Orange).....	15	10c
Pear-shaped.....	10	10c
Serpent. (Trichosanthes Colubrina.) Very long and coiled.....	10	10c
Small lemon-shaped.....	8	10c
Sugar Trough. Enormous, holding several gallons, 5 seeds, 15c.....	15	
<b>Momordica Balsamina.</b> "Balsam Apple,".....	6	10c
Charantia. "Balsam Pear,".....	5	10c



Ornamental Gourds.

The Momordicas are very handsome. The fruits burst when ripe, exposing the bright orange scarlet interior, which resembles a handsome flower.

**Ornamental Gourds.** Finest mixed kinds (see cut)..... 10c

**SEEDS OF EVERLASTING FLOWERS.**

These are always greatly admired and highly prized for Winter Bouquets. They should be cut on a dry day, when fully expanded.

	Height in feet.	Price per pkt.
<b>Acroclinium, hh.</b> Single white.....	1	5c
Pink.....	1	5c
Double white.....	1	10c
Pink (see cut).....	1	10c

One of the prettiest Everlastings; in universal demand.

**Ammobium alatum.**

White.....	1	5c
Pretty and of easy culture.		

**Globe Amaranthus,**

hh, a. Orange.....	1	5c
Pink.....	1	5c
Purple.....	1	5c
White.....	1	5c
Fine mixed (see cut).....	1	5c

**Gomphrena globosa,** also called "English Clover." If cut at the proper time will last for years.



Globe Amaranthus.



Acroclinium Roseum, Double.

**Gnaphalium Leontopodium.** White..... 1/2 15c

The true "Alpine Edelweiss," so eagerly sought for and so highly prized.

<b>Helichrysum.</b> Dwarf, double white (see cut).....	1	10c
Crimson.....	1	10c
Mixed.....	1	10c
Tall, double pink.....	2	10c
White.....	2	10c
Mixed.....	2	10c
Bracteatum. Single yellow.....	2	10c

"Straw Flowers." These will stand drought well. Should be grown in good soil, with abundance of air. They make handsome bouquets when mixed with ornamental grasses, b.

<b>Rhodanthe Maculata.</b> Pink.....	1	10c
Alba. White.....	1	10c
Manglesii. Bright rose.....	1	10c
Mixed.....	1	10c

The most beautiful and delicate Everlasting Flowers. They also make fine pot plants, b.

<b>Xeranthemum.</b> Double rose.....	2	5c
White.....	2	5c
Purple.....	2	5c
Mixed.....	2	5c

One of the oldest and most popular Everlastings. May be employed with effect in mixed borders, especially where there is an excess of foliage on other plants, b.



Helichrysum, Var.



SEEDS OF CLIMBING PLANTS.

a—Annual. p—Perennial.

	Height in feet.	Price per pkt.
<b>Adlumia Cirrhosa</b> , <i>p.</i> White.....	8	10c
The graceful "Allegheny Vine," also called "Mountain Fringe."		
<b>Ampelopsis Quinquefolia</b> , <i>p.</i> Good foliage.....	50	10c
<b>Veitchii</b> , <i>p.</i> (Japan Ivy).....	50	10c
The well-known "Virginian Creeper." Fine for covering wood or trellis work.		
<b>Aristolochia Siphon</b> , <i>h p.</i> Yellow and brown.....	40	10c
The "Dutchman's Pipe." Very odd looking and interesting.		
<b>Balloon Vine</b> , <i>hha.</i> White and green.....	10	10c
Bears a very pretty inflated capsule.		
<b>Bignonia Grandiflora</b> , <i>h p.</i> Orange-scarlet.....	15	10c
<b>Radicans</b> , <i>h p.</i> Orange-scarlet .....	15	10c
<b>Kempferii</b> , <i>h p.</i> Purple.....	15	10c
<b>Stans</b> ( <i>Tecoma</i> ), <i>h p.</i> Orange, distinct foliage.....	10	15c
<b>Tweediana</b> . Bright yellow, trumpet vine. Evergreen.....	20	15c
"Trumpet Vines," sometimes classed with <i>Tecomans</i> ; robust, hardy climbers. Very ornamental.		
<b>Canary Bird Flower</b> , <i>hha.</i> Yellow.....	8	10c
<i>Tropeolum Peregrinum</i> . A charming Annual vine, with delicate foliage.		
<b>Clematis Flammula</b> , <i>hp.</i> White.....	10	10c
<b>Viticella</b> , <i>hp.</i> Purple.....	10	10c
<b>Jackman's New Hybrids</b> . Mixed.....	10	25c
The "Virgin's Bower," well-known, profuse blooming climbers. The seed requires several months to germinate.		
<b>Clanthus Puniceus</b> , <i>hp.</i> Bright scarlet.....	6	15c
"New Zealand Glory Pea." A very handsome climber.		
<b>Clitoria Ternatea</b> , <i>hhp.</i> Blue:.....	6	15c
<b>Cobea Scandens</b> , <i>hp.</i> Purple.....	20	10c
A very rapid growing climber, with bell shaped flowers.		
<b>Convolvulus Major</b> . Blue.....	10	5c
Crimson.....	10	5c
Pink .....	10	5c
Striped .....	10	5c
Tricolor.....	10	5c
Violet .....	10	5c
White .....	10	5c
Mixed .....	10	5c
<b>Aureus Superbus</b> . Yellow.....	8	15c
The well-known "Morning Glories." We offer them in every color and shade.		

	Height in feet.	Price per pkt.
<b>Cypress Vine</b> . Scarlet, <i>hha.</i> (see cut).....	8	5c
White, <i>hha.</i> .....	8	5c
<i>Ipomea Quamoclit</i> . Well known climbers with handsome delicate foliage.		
<b>Dolichos Lablab</b> . Purple "Hyacinth Bean," <i>hha.</i> .....	8	5c
Lablab. White "Hyacinth Bean," <i>hha.</i> .....	8	5c
<b>Lignosus</b> . "Australian Pea Vine," <i>hp.</i> .....	15	10c
The Lablab has beautiful purple flowers and pods. Lignosus is a rapid growing perennial.		
<b>Eccremocarpus Scaber</b> , <i>hp.</i> Orange.....	6	10c
Very valuable to cover trellises.		
<b>Ipomea Bona Nox</b> , <i>hha.</i> "Evening Glory," large violet.....	15	10c
<b>Hederacea grandiflora</b> . Blue.....	10	5c
<b>Learii</b> . "Blue Moon-flower," splendid, <i>tp.</i> .....	15	25c
<b>Limbata Elegantissima</b> , <i>hha.</i> Purple, white margin.....	10	5c
<b>Mexicana Grandiflora Alba</b> . "True White Moonflower".....	15	25c



Cypress Vine.

## SEEDS OF CLIMBING PLANTS—Continued.



Mina Lobata.

	Height in feet.	Price per pkt.
<b>Kennedy</b> <i>Bimaculata Grandiflora</i> , <i>h.p.</i> Purple.....	10	15c
<b>Lapageria</b> <i>Rosea</i> , <i>tp.</i> Pink.....	15	25c
A beautiful greenhouse climber.		
<b>Lathyrus</b> . Fine mixed, purple or white....	6	5c
The perennial "Everlasting Pea."		
<b>Loasa</b> <i>Aurantiaca</i> , <i>h.ha.</i> Golden yellow.....	6	10c
The "Chilian Nettle" plant, with beautiful and interesting flowers. Must be handled with gloves as the leaves sting.		
<b>Lonicera</b> <i>Brachypoda</i> . "Japan Honey-suckle".....	12	10c
<i>Sinensis</i> , "Chinese Honeysuckle".....	20	10c
Well known favorite hardy climbers.		
<b>Mandevillea</b> <i>Suaveolens</i> , <i>h.p.</i> White.....	15	15c
The "Chili Jasmine." Delightfully fragrant.		
<b>Maurandya</b> , <i>h.hp.</i> White.....	8	10c
Purple.....	8	10c
Pink.....	8	10c
Fine mixed.....	8	10c

Abundant bloomers, very fine for arbors.

<b>Mina</b> <i>Lobata</i> . Red, yellow and white, <i>ta</i> (see cut).....	15	25c
Sown in March, and planted out in May, this will form by fall a dense pyramid 18 feet high, if sufficient training space is given. It is especially adapted for covering trellises, arbors, old tree stumps, etc.		

<b>Nasturtium</b> , Tall, <i>h.ha.</i> Scarlet.....	6	5c
Orange.....	6	5c
Dark crimson.....	6	5c
Scarlet striped.....	6	5c
Finest mixed.....	6	5c

Very showy climbers, good for screening. The young seed pods, pickled, are an excellent substitute for capers.

<b>Passiflora</b> <i>Cardinalis</i> , <i>h.hp.</i> Scarlet.....	8	25c
<i>Cœrulea</i> , <i>h.p.</i> Blue.....	8	25c
<i>Constance Elliott</i> , <i>h.p.</i> White.....	8	25c
<i>Edulis</i> . Edible, <i>h.p.</i> Mauve.....	8	25c
<i>Fulgens</i> . Red, <i>h.hp.</i> .....	8	25c
<i>Princeps coccinea</i> . Scarlet, <i>h.hp.</i> .....	6	25c
<i>Quadrangularis</i> ( <i>Macrocarpa</i> —Large <i>Granadilla</i> ).....	10	25c
<i>Trifasciata</i> . Three-angled stem. Edible.....	8	25c
Fine mixed.....	6 to 8	25c

The above collection comprises all the most beautiful and useful varieties of "Passion Flowers."

<b>Phaseolus</b> <i>Caracalla</i> , <i>h.hp.</i> Lilac, purple and white.....	8	15c
The "Snail Vine." Very beautiful and interesting.		

<b>Plumbago</b> <i>Capensis</i> , <i>h.p.</i> Pale blue.....	8	15c
<i>Scandens</i> , <i>h.p.</i> Nearly white.....	8	15c

Rapid growing climbers. Useful for covering fences.

<b>Scarlet Runner Beans</b> , <i>h.ha.</i> .....	10	10c
Useful and ornamental. The young Beans making good "Snaps."		

<b>Smilax</b> , <i>p</i> bulb. White.....	6	10c
Well-known. Very useful for festooning, etc., <i>b.</i>		

<b>Sweet Peas</b> , <i>ha.</i> Butterfly, white and lilac.....	6	10c
Invincible scarlet.....	6	5c
Violet Queen.....	6	5c
White.....	6	5c
Fine mixed.....	6	5c
<i>Eckford's New Hybrids</i> .....	6	10c

[See also Novelty List.] Delightfully fragrant favorites. Nothing looks finer in a garden than a hedge of Sweet Peas, *b.*

<b>Tacsonia</b> , <i>h.hp.</i> <i>Exoniensis</i> . Light red.....	6	25c
<i>Ignea</i> . Fiery red.....	6	25c
<i>Insignis</i> .....	6	25c
<i>Manicata</i> . Scarlet.....	6	25c
<i>Van Volxemi</i> . Dazzling Scarlet.....	6	25c
Mixed.....	6	25c

Beautiful climbers, resembling *Passifloras* in foliage and flowers, colors varying from scarlet to crimson. When well grown, are very ornamental.



**SEEDS OF CLIMBING PLANTS—Continued.**

	Height in feet.	Price per pkt.
<b>Thunbergia Alata, hba.</b> Mixed, white and yellow.....	6	10c
Free bloomers of rapid growth; the flowers of white and yellow shades, with striking black centre.		
<b>Tropeolum Lobbianum.</b> Spitfire, <i>tp.</i> Vivid scarlet.....	6	10c
Finest mixed, <i>tp.</i> All colors.....	6	10c
Useful climbers, which may be pegged down and used for bedding purposes. May be also grown in pots for winter flowering. Colors dazzlingly brilliant.		
<b>Wistaria Sinensis, hp.</b> Light blue.....	50	20c
A charming old fashioned hardy climber, producing its pale blue flowers in large clusters in early spring.		

**PERENNIALS.**

	Height in feet.	Price per pkt.
<b>Alyssum Saxatile.</b> Beautiful yellow.....	$\frac{3}{4}$	5c
Beautiful for borders and rockwork, <i>b.</i>		
<b>Anemone Coronaria.</b> Mixed (see cut).....	$\frac{1}{2}$	10c
The "Windflower." Beautiful early spring flowering plants.		
<b>Antirrhinum Majus.</b> Brilliant, scarlet and yellow.....	2	5c
Delila. Carmine, with white throat.....	2	5c
Galathea. Crimson.....	2	5c
Tall, mixed.....	2	5c
Dwarf mixed.....	1	5c
Tom Thumb, mixed.....	$\frac{3}{4}$	5c
"Snapdragons," Hardy Perennials, flowering the first year; unsurpassed for borders, <i>b.</i>		
<b>Aquilegia.</b> Double mixed hybrids, very fine.....	$1\frac{1}{2}$	10c
Single mixed.....	$1\frac{1}{2}$	5c
"Columbines." Handsome hardy perennials, indispensable as decorative border plants, <i>b.</i>		
<b>Arabis Alpina.</b> White.....	$\frac{1}{2}$	5c
"Rock Cross," useful for early flowering and for rockwork, <i>b.</i>		
<b>Armeria Formosa.</b> Pink.....	$\frac{3}{4}$	5c
A thrift-like Statice, useful for edgings and rockwork, <i>b.</i>		
<b>Aster.</b> Perennial varieties, finest mixed. "Michaelmas Daisies".....	3	15c
Very showy perennials, good for borders and shrubbery.		
<b>Auricula.</b> Finest English hybrids.....	$\frac{1}{4}$	25c
From the finest English collection. Fine deep colors, variously margined. Good also for pot culture.		



Anemone Coronaria.



Begonia Rex.



Bellis Perennis.

## PERENNIALS—Continued.

	Height in feet.	Price per pkt.
<b>Begonia</b> , <i>tp.</i> Tuberos rooted, splendid mixed, single and double.....	1½	50c
<i>Rex.</i> Ornamental leaved, finest mixed, (see cut).....	1	50c
Splendid decorative plants, suitable for pot culture. The tubers of the first named variety should be shaken out of the pots and kept in a dry warm place during the winter.		
<b>Bellis Perennis</b> , <i>fl pl.</i> Mixed double, fine, (see cut).....	¼	10c
Longfellow, large rose.....	¼	15c
Quilled, mixed, fine.....	¼	15c
The popular Double English Daisies. Very useful for edgings, <i>b.</i>		
<b>Bocconia Japonica</b> . White.....	4	10c
Very ornamental, planted as single specimens, or in groups on lawns.		
<b>Cactus</b> . Finest mixed.....	½ to 4	15c
Saved from the best and most distinct species.		
<b>Callirhoe Pedata Nana</b> , <i>hp.</i> Purple.....	1	5c
Handsome, free flowering plants.		
<b>Campanula Carpatica</b> . Blue.....	½	5c
Alba. White.....	½	5c
Pyramidalis. Blue.....	3	5c
Alba. White.....	3	5c
See also "Canterbury Bells." "Bell Flowers." Hardy plants, well suited for mixed borders.		
<b>Canna</b> . New French hybrids, mixed, very fine.....	5	10c
New Dwarf, mixed.....	3	10c
Zebrina, striped leaved.....	5	10c
"Indian Shot." Handsome plants for lawn decoration and for backgrounds. Soak the seed in tepid water 24 hours before sowing.		
<b>Canterbury Bells</b> . Single blue.....	2	5c
White.....	2	5c
Striped.....	2	5c
Mixed.....	2	5c
Double white.....	2	5c
Rose.....	2	5c
Blue.....	2	5c
Mixed.....	2	5c
Calycanthema, blue.....	2	10c
White.....	2	10c
Very handsome border perennials of great utility, and deservedly popular favorites. The last two kinds are of great beauty, the calyx being of the same color as the flower. They are called "Hose in Hose," or "Cup and Saucer" Canterbury Bells, <i>b.</i>		
<b>Carnation Pink</b> . Finest German, mixed.....	1	25c
Very good mixed.....	1	15c
Perpetual, or Tree, very fine.....	1	25c
New Grenadin; early dwarf, red.....	½	25c
Our collection comprises the most richly scented and beautifully marked varieties, <i>b.</i>		
<b>Castilleja Indivisa</b> , <i>hhp.</i> Red.....	1½	25c
Ornamental plants, with beautiful bracts.		
<b>Centaurea Candidissima</b> , <i>hp.</i> White foliage.....	1	15c
Clementi, <i>hp.</i> Silvery foliage.....	1	15c
Gymnocarpa, <i>hp.</i> White foliage.....	1½	15c
The "Dusty Miller." Fine plants for ribbon beds or borders.		
<b>Cerastium Biebersteinii</b> , <i>hp.</i> White leaves.....	Tr.	15c
Tomentosum, <i>hp.</i> White leaves.....	Tr.	15c
The "Jerusalem Star." Admirably adapted for edgings and rockwork.		
<b>Chrysanthemum Frutescens</b> . White, yellow-eye.....	2	10c
Indicum. Chinese, mixed.....	3	10c
Nanum (Pomponé), mixed.....	2	10c
Japonicum (Japanese), mixed.....	3	10c
Chrysanthemum Frutescens is the well-known "Paris Daisy," or "Marguerite." The other kinds are the Chinese and Japanese varieties, so extensively grown and used during the fall months, <i>b.</i>		
<b>Cineraria Maritima</b> , <i>hp.</i> Silvery foliage.....	1	10c
Acanthifolia, <i>hp.</i> Silvery foliage.....	1	10c
Candidissima, <i>hp.</i> White foliage.....	1	10c
Silvery foliated varieties, very useful for ribbon beds and borders.		
<b>Cissampelos</b> , <i>tp.</i> Finest mixed. Ornamental foliage.....	3	15c
New, large leaved, very fine.....	3	25c
Ornamental decorative leaved plants, fine for house decoration, or sub-tropical gardening.		
<b>Colvulus Mauritanicus</b> , <i>hp.</i> Lavender.....	Tr.	10c
Hardy Perennial for hanging baskets, with flowers of a bright metallic lustre.		
<b>Columbine</b> . Fine mixed.....	¼	10c
A favorite English flower, very early flowering.		
<b>Crocus Platycentra</b> . Scarlet and black.....	2	10c
The "Cigar Plant," with pretty tubular flowers.		



**PERENNIALS—Continued.**

	Height in feet	Price per pkt.
<b>Cyclamen</b> , <i>hnp</i> bulb. Persicum, fine mixed, white and pink.....	$\frac{1}{2}$ $\frac{3}{4}$	25c 25c
Giganteum, fine mixed, white and pink.....		
Charming winter flowering house plants. Our seed is the finest European strain.		
<b>Dahlia</b> , <i>hnp</i> . Large flowered. Good mixed.....	4	10c
Best quality mixed.....	4	25c
Pompone. Small bouquet, mixed.....	2	15c
Single mixed.....	4	10c
The Dahlia is well-known as one of the most gorgeous flowers. Our seed is saved from flowers, the perfection of form, and of every variety of color, <i>b</i> .		
<b>Delphinium</b> , <i>hp</i> . Cardinalis. Scarlet.....	4	10c
Cashmerianum. Dark blue.....	4	10c
Elatum. Mixed. [Bee Larkspur].....	3	10c
Formosum. Bright blue.....	4	10c
"Perennial Larkspurs." Fine border plants of brilliant colors. Unsurpassed by any other border plant in early summer, <i>b</i> .		



Laciniatus.

<b>Dianthus</b> Chinensis, <i>hp</i> . Double mixed.....	1	10c
Heddewigii. Fine mixed.....	1	10c
Crimson Belle, dark crimson.	1	10c
Diadematus. "Dble. Diadem," pink.....	1	10c
Laciniatus. Single mixed.....	1	10c
Double mixed (see cut).....	1	10c
Imperialis. Double Imperial. Pink, mixed.....	1	10c
Hybridus. Double mixed.....	1	10c
"China Pinks." Very free flowering and showy. The varieties offered above are all extra fine, and the gems of the genus, <i>b</i> .		
<b>Digitalis</b> Gloxinioides, <i>hp</i> . Fine mixed.....	3	5c
Ivery's Spotted. Superb mixed.....	3	10c
"Foxgloves," bearing fine spikes of variously spotted and blotched flowers for borders and shrubbery.		
<b>Dodecatheon</b> Media, <i>hp</i> . Lilac.....	$\frac{1}{2}$	10c
"American Cowslip." Fine for rockwork, etc.		
<b>Echeverria</b> Metallica. Red.....	$\frac{1}{4}$	25c
"Live-for-Ever." Handsome succulent plant for edgings, with metallic lustre on leaves, <i>hp</i> .		
<b>Erythrina</b> Crista Galli. Dark red.....	4	25c
"Coral Tree." Handsome decorative plant for shrubbery, etc.		
<b>Evening Primrose</b> . Yellow.....	3	5c
A well-known bright yellow Hardy Perennial for mixed borders and shrubbery.		

**Ferns.** All species mixed.....  $\frac{1}{2}$  to 2 25c  
 Saved from the choicest and most distinct varieties.

	Height in feet.	Price per pkt.
<b>Fraxinella</b> . Mixed, red and white.....	2	10c
The "Burning Bush," a hardy Perennial, purplish, crimson and white; very handsome. The seed is slow to germinate.		
<b>French Honeysuckle</b> . Red and white, mixed....	3	5c
Hedysarum Coronarium. Hardy, profuse blooming. Succeeds well near the seaside. Not to be confounded with the climbing Honeysuckle, as it is quite a distinct species.		
<b>Fuchsia Hybrida</b> . Single, finest mixed, <i>hnp</i> .....	3	25c
Double, fine-t mixed, <i>hnp</i> .....	3	50c
Favorite flowering shrubs. Seeds saved from the finest named varieties.		
<b>Gaillardia Picta</b> . Red and yellow, <i>hnp</i> .....	1 $\frac{1}{2}$	5c
Lorenziana. New double, mixed colors (see cut).....	1 $\frac{1}{2}$	10c
The "Blanket" flower. Very showy border plants, <i>b</i> .		
<b>Gazania Splendens</b> . Orange.....	Tr.	10c
"Black-Eyed Susan." A very showy border plant		
<b>Gentiana Acaulis</b> . Intense blue.....	$\frac{1}{4}$	10c
An Alpine plant of great beauty, fine for borders and rockwork.		



Gaillardia Lorenziana.

## PERENNIALS—Continued.



Geranium Zonale.

	Height in feet.	Price per pkt.
<b>Geranium.</b> Apple scented. Very fragrant	1½	25c
Double Zonale. Finest mixed	3	25c
Single Zonale (see cut). Finest mixed.....	5 to 6	15c
Ivy leaved. Finest mixed.....	Tr.	25c
Tricolor, gold and bronze leaves	2	50c
[See Pelargonium for show varieties.] Seed saved from the best varieties of all the kinds. In raising plants from this seed, the grower has a good chance to acquire valuable novelties, <i>b.</i>		
<b>Geum Coccineum.</b> Scarlet.....	2	10c
"Scarlet Avens." A Chilean plant of great beauty, very useful in mixed borders.		
<b>Gladiolus Gandavensis.</b> Splendid mixed....	3	15c
Lemoinei. Hardy varieties, mixed	2	15c
Hardy bulbous plants, universally known and admired.		
<b>Gloxinia Hybrida.</b> Finest mixed.....	1	25c
A beautiful greenhouse perennial bulb. Seed saved from the finest erect and drooping varieties.		
<b>Gypsophila Elegans.</b> Rosy white.....	1½	5c
Paniculata. White.....	1½	5c
Very graceful, flowering in panicles, and excellent for cut flowers, <i>b.</i>		
<b>Heliotropium, hp.</b> Finest mixed.....	3	10c
"Cherry Pie." Deliciously fragrant, also fine for pot culture, <i>b.</i>		
<b>Hibiscus Coccineus, hp.</b> Scarlet.....	4	10c
Roseus Grandiflorus. Pink.....	4	10c
Well-known showy perennial shrubs with brilliant flowers.		
<b>Hollyhock.</b> Finest double German mixed.....	5	15c
Chater's superb mixed English.....	5	15c
Double, pure white.....	5	15c
Favorite hardy perennials. Will flower the first season if sown early.		
<b>Honesty.</b> Purple, <i>hb.</i> .....	1½	10c
Interesting in a dried state, the membranous lining of the seed pod making a handsome orna- ment to winter bouquets, <i>b.</i>		
<b>Humea Elegans, hhb.</b> Purplish brown.....	2	10c
Fragrant foliage, with feathery blossoms, an excellent pot plant.		
<b>Hunnemannia Fumaricifolia.</b> Yellow.....	1	10c
A showy plant belonging to the Poppy family.		
<b>Iberis Gibraltarica.</b> White, suffused with rose.....	1	10c
Sempervirens. White.....	1	10c
"Perennial Candytuft." Early spring flowering plants, good for borders and rockwork, <i>b.</i>		
<b>Ipomopsis, hb, Elegans.</b> Scarlet.....	3	10c
Fine mixed.....	3	10c
"Texas Plumes." Showy scarlet and gold pyramidal blossoms and feathery foliage.		
<b>Lantana, hp.</b> Finest mixed.....	4	10c
White, rose and yellow parti-colored fragrant flowers like the Heliotrope in form, <i>b.</i>		
<b>Lavatera Arborea Variegata.</b> Purple.....	3	10c
"Tree Mallow." Foliage very handsome, striped with white and gold.		
<b>Lavender.</b> Blue.....	3	5c
A hardy shrub, well known and esteemed for its delicious fragrance.		
<b>Linaria Cymballaria.</b> White.....	Tr.	10c
"Kenilworth Ivy." A neat little plant for rockwork and hanging baskets.		
<b>Linum.</b> Perennial sorts, mixed.....	1 to 2	10c
"Perennial Flax." Very showy border plants in every shade of color.		
<b>Lobelia Cardinalis.</b> Bright scarlet.....	2	10c
The "Cardinal Flower." One of the handsomest border perennials with bronze foliage and brilliant scarlet flowers.		
<b>Lupinus.</b> Mixed perennial, all colors.....	1 to 4	5c
Very showy border plants, blooming in profusion, <i>b.</i>		
<b>Lychnis Chalcedonica.</b> Bright scarlet.....	2	5c
Alba. White.....	2	5c
All kinds mixed.....	2	5c
"Jerusalem Cross." Favorite hardy plants for borders and shrubbery, <i>b.</i>		



**PERENNIALS—Continued.**

	Height in feet.	Price per pkt.
<b>Marvel of Peru.</b> Finest mixed.....	2	5c
Dwarf.....	1½	5c
Gold-striped leaves.....	2	5c
"Four O'Clocks." This well-known plant has few rivals for beauty, expanding in the afternoon, and continuing open all night.		
<b>Matricaria Eximia.</b> Double white.....	2	10c
Crispa. Double white, curled leaves.....	2	15c
"Feverfew." Very handsome, showy flowers, continuing a long time in bloom, b.		
<b>Mesembryanthemum</b> Cordifolium Variegatum. Pink.....	Tr.	15c
A pretty trailer, excellent for carpet bedding, pot culture, or for rockwork.		
<b>Mimulus</b> Cardinalis [Monkey Flower]. Dark-red.....	1½	10c
Cupreus Duplex [Hose in Hose]. Mixed.....	1½	15c
Tigrroides. Mixed, beautifully blotched.....	1½	15c
All kinds, mixed.....	1½	10c
Brilliant perennials, flowering the first season if sown early. Flowers variously blotched and mottled. Also suitable for pot culture.		

	Height in feet.	Price per pkt.
<b>Musk Plant</b> [Mimulus Moschatus]. Yellow... Deliciously fragrant. An universal favorite.	½	10c
<b>Myosotis</b> Azorica. Dark blue.....	¾	10c
Alpestris. Light blue (see cut).....	1	10c
White.....	1	10c
Pink.....	1½	10c
Dissitiflora. Brilliant blue, earliest flowering.....	½	15c
Palustris Semperflorens. Bright blue	1	10c
Sylvatica [Wood Forget Me Not] ....	¾	10c
Finest mixed. All kinds.....	1½	10c



Myosotis Alpestris.

"Forget Me Nots." Very beautiful and much prized for spring flowers. Easily grown, although they prefer moist situations, b.		
<b>Nertera Depressa</b> , hhp. Scarlet berries.....	¼	15c
"Coral Flowered Duckweed." A charming little plant.		
<b>Nierembergia</b> Gracilis. Silvery lavender.....	1	10c
Excellent for hanging baskets, edgings, etc.		
<b>Oenothera</b> Lamarckiana. Yellow.....	4	5c
A grand Evening Primrose, with long spikes of yellow flowers.		
<b>Oxalis</b> Rosea. Pink.....		
Tropaeoloides. Yellow.....	1	10c
"Shamrock," or Wood Sorrel. Delightful little plants for edgings, hanging baskets and rockwork.		

**Pansy, or Heartsease.**

Cassier's very large flowered, finest mixed.....	½	50c
Belgian or Fancy, extra select mixed.....	½	25c
English, extra select (see cut), very large and velvety .....	½	25c
German, finest mixed, from the most celebrated Pansy grower in Germany.....	½	25c
Giant Trimardeau, mixed, very large and of vigorous growth.....	1	25c
Odier's Five Blotched, (see cut) very fine with a black blotch on each petal.....	1½	25c
Scotch Prize, from extra selected prize flowers	1½	50c
Striped and variegated varieties, mixed (see cut) .....	1½	25c

The following varieties may be relied upon to come true from seed, and are useful for bedding in masses:

**Pansy, or Heartsease.**

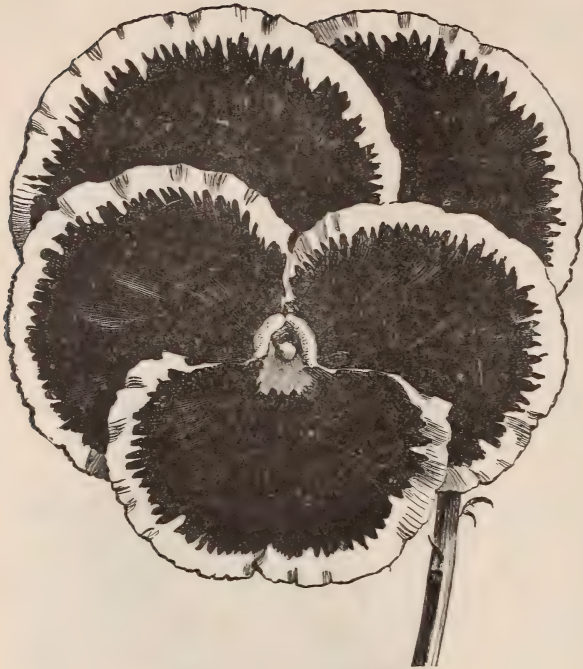
Attraction, pure white, with black centre....	¾	15c
Emperor William, ultramarine blue.....	1	15c
Faust, or King of the Blacks, coal black.....	1	15c
Golden Beauty, pure golden yellow.....	1	15c
Gold margined, brown, with gold border.....	1	15c
Lord Beaconsfield, large purplish violet.....	1	15c
Mahogany colored.....	1	15c
Sky blue.....	1	15c
Violet, white margined.....	1	15c
White, pure [Snow Queen].....	1	15c
Above colors mixed.....	1	10c



Pansy—Striped or Variegated.

Pansies should be carefully cultivated, and will richly repay liberal treatment. All the above strains are carefully saved from the choicest flowers, and are unsurpassed in color, form and substance, b.

**PERENNIALS—Continued.**



Pansy—Odiar's Five Blotched.



Pansy—English, Extra Select.

	Height in feet.	Price per pkt.
<b>Papaver</b> Bracteatum. Scarlet.....	2	10c
Nudicaule. Orange.....	2	10c
Oriental. Dark red.....	2	10c
"Perennial Poppies." Showy border plants, with large, bright colored flowers.		
<b>Pelargonium.</b> Fancy, best and richest colors, mixed.....	3	25c
Large flowered, richest colors, mixed.....	3	25c
Odiar's Five Blotched, fine.....	3	25c
A favorite bedding and greenhouse plant, with brilliant flowers. Seed saved only from the finest sorts, <i>b</i> .		
<b>Pentstemon.</b> Finest mixed.....	2	10c
Fine Herbaceous perennials, very showy in mixed borders, <i>b</i> .		

<b>Petunia.</b> Single. Beautiful Star. Purple, white-blotted, fine.....	1	15c
Countess of Ellesmere. Rose, with white throat, constant..	1	10c
Inimitable. Blotched, very handsome.....	$\frac{3}{4}$	15c
Kermesina. Crimson, constant.....	1	15c
Finest blotched and striped, large flowered, mixed.....	1	15c
Venosa. Veined varieties, mxd.	1	15c
Large flowered. Fringed, superb, mixed (see cut).....	1	25c
Good mixed.....	1	10c
<b>Double.</b> Large flowering. Green edged, very fine.....	1	50c
Fringed. Superb mixed.....	1	50c
Extra fine. Mixed.....	1	25c

Very ornamental, free flowering plants, for bedding in masses or in borders. They also make good pot plants. The Double varieties are particularly fine, and very fragrant. Our Seed is the finest German strain, and will produce at least fifty per cent double flowers.

<b>Phlox.</b> Perennial. Finest mixed.....	2	10c
A very showy, handsome plant, with large heads of flowers.		



Petunia. Fringed.



**PERENNIALS—Continued.**

	Height in feet.	Price per pkt.
<b>Phormium Tenax.</b> Long, flag-like green leaves.....	6	10c
With variegated leaves.....	6	15c
"New Zealand Flax." A first-class plant for lawn or other decoration. The leaves may also be used for tying material.		
<b>Picotee Pink.</b> Finest mixed.....	1	25c
Splendid hardy Pinks, beautifully marked on edge of petals.		
<b>Pink, Florist's.</b> From fine show varieties, mixed.....	1	25c
"Pheasant's Eye" Pinks. Very fine, usually marked with a ring in centre, double and fragrant, <i>b.</i>		
<b>Polemonium Cœruleum.</b> Blue.....	2½	10c
"Jacob's Ladder." An old-fashioned English perennial, useful in mixed borders.		
<b>Polyanthus.</b> Finest gold-laced varieties.....	1½	25c
Duplex. "Hose in Hose." Double.....	1½	25c
Charming early-flowering plants, beautifully laced and edged. Should be in all gardens.		
<b>Primrose.</b> True English yellow.....	1½	15c
An old-fashioned garden favorite, beautiful.		
<b>Primrose, Chinese, <i>tp.</i></b> Fringed white.....	1½	25c
Red.....	1½	25c
Fern-leaved, white.....	1½	25c
Red.....	1½	25c
Finest mixed, single.....	1½	25c
Double, white.....	1½	50c
Red.....	1½	50c
Mixed.....	1½	50c
Fine pot plants for winter and spring flowering, for indoor culture.		
<b>Primula Obconica, <i>tp.</i></b> Light mauve.....	½	15c
Beautiful little pot plant for indoor culture, flowering in clusters.		
<b>Pyrethrum Roseum.</b> Red. [Insect Powder Plant], (see cut).....	2	10c
Hybridum. Double mixed [Aster like flowers].....	2	10c
Parthenifolium Aureum [Golden Feather] .....	½	10c
The first two varieties are grown for their flowers, the last is the well known edging plant.		
<b>Ranunculus.</b> Finest mixed.....	1	15c
Handsome, hardy tuberous plants of brilliant colors.		
<b>Rivina Humilis.</b> White.....	2	25c
A handsome little greenhouse plant with scarlet berries.		
<b>Romneya Coulterii.</b> White, with yellow centre.....	5	15c
"California Mountain Poppy." A noble plant.		
<b>Rose Campion.</b> Crimson.....	1½	5c
Downy, silvery foliage, with crimson flowers.		
<b>Rocket, Sweet.</b> Fine mixed.....	1½	5c
"Dames' Violet." Valuable for borders, free blooming and sweet scented.		
<b>Salvia Nutans, <i>hnp.</i></b> Dark blue.....	2	15c
Patens, <i>hnp.</i> Sky blue.....	2	15c
Splendens, <i>hnp.</i> Dazzling scarlet.....	3	10c
"Flowering Sage." Brilliant flowering plants for borders, backgrounds and centres of beds, <i>b.</i>		
<b>Saxifraga.</b> Fine mixed.....	½	15c
"Mother of Thousands," or "London Pride," charming little trailing plants for hanging baskets, vases or rockwork.		
<b>Scabiosa.</b> Tall mixed.....	2	5c
Dwarf Double.....	1	5c
"Mourning Bride." A well known border plant, free blooming and fragrant, <i>b.</i>		
<b>Sedum Cœruleum.</b> Blue.....	1	10c
Fine mixed.....	1½	10c
"Stone Crop." Curious and showy plants, fine for carpet beds. Plant in sandy soil.		
<b>Sensitive Plant.</b> Pink.....	2	5c
"Mimosa Pudica." An interesting plant with the peculiarity of closing its leaves when touched or disturbed.		
<b>Stocks.</b> <i>Biennial and Perennial.</i>		
Intermediate, <i>hb.</i> Finest mixed.....	2	10c
East Lothian. Crimson, very fine.....	2	15c
Purple, very fine.....	2	15c
White, very fine.....	2	15c



Pyrethrum Roseum.

**PERENNIALS—Continued.**

	Height in feet.	Price per pkt.
<b>Stocks.</b> Brompton, <i>hp.</i> Crimson.....	2	15c
White.....	2	15c
Purple.....	2	15c
Finest mixed.....	2	15c
Cocardeau, or Giant Cape Winter, <i>hp.</i> Finest mixed.....	2½	15c
Emperor, <i>hp.</i> Very fine, mixed.....	2½	15c
[For Ten-Week Stocks, see Annuals]. All these Stocks are very double, fragrant and handsome. The East Lothian varieties are better sown in the fall. The last three species are splendid decorative border plants. The true "Gilly Flowers," <i>b.</i>		
<b>Sweet William.</b> Hunt's Auricula Flowered Perfection. Mixed.....	1½	10c
Single, pure white.....	1½	10c
Single, finest mixed.....	1½	5c
Double, finest mixed.....	1½	10c
Well-known, and very showy plants for borders; flowering early in spring, <i>b.</i>		
<b>Tritoma Uvaria.</b> Orange scarlet.....	4	10c
"Red Hot Poker" Plant, throwing up heavy spikes of flowers in fall, very showy.		
<b>Valerian.</b> Red.....	2	5c
White.....	2	5c
Mixed.....	2	5c
An old-fashioned English plant; valuable for mixed borders, <i>b.</i>		



Verbena, Auricula.



Verbena, Hybrida.

<b>Verbascum Phœniceum.</b> Mixed colors.....	3	10c
Very showy plants, useful in mixed borders.		
<b>Verbena.</b> Auricula flowered, with white centres (see cut).....	Tr.	15c
Blue.....	Tr.	15c
Italian striped; finely striped and mottled.....	Tr.	15c
Large white.....	Tr.	15c
Scarlet.....	Tr.	15c
Mammoth, mixed; very large.....	Tr.	25c
Fine mixed (see cut).....	Tr.	10c
Lemon-scented [Aloysia Citriodora]. Lavender.....	6	25c
A well-known favorite bedding plant, easily grown, and cared for. The above are splendid strains. The Lemon Verbena is a shrubby perennial in our mild climate, the seed of which is very scarce, <i>b.</i>		
<b>Veronica.</b> Fine mixed.....	1	10c
"Speedwell." Very pretty for borders; fine colors.		
<b>Vinca Rosea.</b> Red.....	2	10c
Alba. Red, with white eye.....	2	10c
Alba Pura. Pure white.....	2	10c
"Madagascar Periwinkle." Very neat evergreen perennial plants, fine for beds, or pot culture.		
<b>Viola Cornuta.</b> Mixed.....	½	10c
Odorata [Sweet Violet]. Blue.....	¼	10c
White.....	¼	10c
The Czar. Light blue, very large.....	¼	10c
Mixed.....	¼	10c
With the exception of Viola Cornuta, these favorites are too well known to need comment. Viola Cornuta resembles the Pansies, and is admirably adapted for bedding purposes, <i>b.</i>		
<b>Wall Flower.</b> Single mixed.....	2	5c
Double German.....	2	15c
Well known fragrant plants, flowering in winter and early spring, <i>b.</i>		



**PERENNIALS—Continued.**

	Height in feet.	Price per pkt.
<b>Wigandia</b> Caracasana. Violet.....	6	25c
Vigierii. Blue.....	6	25c
Plants remarkable for the large size of their leaves; much prized as single specimens for lawns and sub-tropical gardening.		
<b>Mixed Flower Seeds</b> , for woodlands, shrubbery, etc. This is a mixture of Hardy Flowers, and will make a dazzling display at little cost. Sow 1 lb. to the acre. Per oz., 25c; per lb., \$3.00.		

**ORNAMENTAL GRASSES.**

Most of these if cut before they are quite ripe, will be found very useful in the formation of winter bouquets alone, or combined with Everlasting Flowers.

**CULTURE.**—Sow in boxes in February or March, and when large enough, transplant to where they are to remain. Do not mistake the young plants for weeds.

	Height in feet.	Price per pkt.
<b>Agrostis</b> Laxiflora, <i>ha</i> .....	1	5c
Minutiflora, <i>ha</i> .....	1	10c
Nebulosa, <i>ha</i> .....	1	10c
Pulchella, <i>ha</i> .....	1	10c
Very graceful and fine for vases and bouquets. <i>Agrostis</i> <i>Nebulosa</i> especially is very beautiful.		
<b>Andropogon</b> Formosum, <i>hp</i> .....	3	10c
"Old Man's Beard." Dense spikes, very pretty.		
<b>Anthoxanthum</b> Gracile. Delicate and graceful.....	1½	10c
<b>Arundo</b> Conspicua, <i>hp</i> .....	8	10c
New Zealand Pampas Grass. Very ornamental.		
<b>Avena</b> Sterilis, <i>ha</i> .....	3	5c
"Animated Oats." Singular and curious.		
<b>Bambusa</b> Gracilis, <i>hp</i> .....	10	15c
"Slender Bamboo." Very ornamental.		
<b>Briza</b> Maxima, <i>ha</i> . Large.....	1½	5c
Gracilis, <i>ha</i> . Slender.....	1	5c
"Quaking Grass." Fine for bouquets.		
<b>Brizopyrum</b> Sciculum, <i>ha</i> . [Dwarf "Spike" Grass].....	¾	5c
<b>Bromus</b> Briziformis, <i>hp</i> .....	2	5c
Very fine for bouquets.		
<b>Chrysurus</b> Cynosuroides, <i>ha</i> .....	1	5c
Pretty for edging.		
<b>Coix</b> Lachrymæ, <i>ha</i> .....	1½	5c
Variegated.....	1½	10c
"Job's Tears." Seeds resembling a tear drop.		
<b>Cynosurus</b> Elegans, <i>hp</i> .....	1½	10c
Fine for bouquets.		
<b>Eragrostis</b> Elegans, <i>ha</i> .....	1	5c
Maxima, <i>ha</i> . Large.....	1	10c
"Love Grass," with beautiful dancing spikelets, good for bouquets.		
<b>Erianthus</b> Ravennae, <i>hp</i> .....	10	10c
"Plume Grass." Very fine and of stately appearance.		
<b>Eulalia</b> Japonica, <i>hp</i> .....	6	10c
"Japan Plume" Grass. Very effective in groups.		
<b>Festuca</b> Glauca, <i>hp</i> .....	½	10c
Procumbens, <i>hp</i> .....	¼	10c
Very neat and compact growing, fine for edgings to ribbon beds and borders.		
<b>Gynerium</b> Argenteum, <i>hp</i> .....	8	5c
Roseum.....	8	10c
The well known "Pampas Grass."		
<b>Hordeum</b> Jubatum, <i>ha</i> .....	2	5c
"Squirrel Tail Grass." Fine for bouquets.		
<b>Isolepis</b> Gracilis, <i>hp</i> .....	1	15c
Very pretty rush-like Grass for hanging baskets and pot culture.		
<b>Lagurus</b> Ovatus, <i>ha</i> .....	2	5c
"Hare's Tail Grass." Fine for bouquets.		
<b>Lasiagrostis</b> Argentea, <i>hp</i> .....	3	10c
Very graceful and fine for bouquets.		
<b>Panicum</b> Altissimum, <i>hha</i> .....	5	5c
Palmifolium, <i>hha</i> .....	6	10c
Plicatum, <i>hha</i> .....	Tr.	10c
Sulcatum, <i>hha</i> .....	3	5c
These show to greater advantage when dried than in growth, yet they are very useful in borders. <i>Panicum</i> <i>Plicatum</i> is useful for hanging baskets and vases.		
<b>Pennisetum</b> Longistylum.....	2	5c
A useful free strong growing Grass for mixed borders.		
<b>Poa</b> Amabilis, <i>hha</i> .....	2	10c
"Abyssinian Grass." Very pretty in bouquets.		

**ORNAMENTAL GRASSES—Continued.**

	Height in feet.	Price per pkt.
<b>Saccharum Maddeni</b> , <i>hha</i> .....	2	10c
A variety of the true "Sugar Cane." Very ornamental.		
<b>Setaria Macrocheta</b> , <i>ha</i> .....	1½	5c
A good useful Grass for bouquets.		
<b>Stipa Pennata</b> , <i>hp</i> .....	2	10c
"Feather Grass." Universally admired in bouquets.		
<b>Tricholena Rosea</b> , <i>hp</i> .....	3	10c
Very pretty with rose colored panicles.		
<b>Uniola Latifolia</b> , <i>hp</i> .....	4	10c
"Sea Oats." Very ornamental.		
<b>Zea Gracillima</b> . Miniature Maize, <i>hha</i> .....	1½	10c
Japonica Fol. Variegata.....		
"Striped Japanese Maize." Very ornamental.	4	5c

## Seeds of Honey-Yielding Plants for Bee Feeding.

### FOR FLOWER GARDEN.

	Per pkt.		Per pkt.
Alyssum.....	5c	Marvel of Peru.....	5c
Arabis.....	5c	Mignonette.....	5c
Calliopsis.....	5c	Nasturtium.....	5c
Clarkia.....	5c	Nemophila.....	5c
Collinsia.....	5c	Petunia.....	10c
Dahlia, Single.....	10c	Phlox.....	5c
Fraxinella.....	10c	Rocket, Sweet.....	5c
French Honeysuckle.....	5c	Scabious.....	5c
Gilia.....	5c	Stocks.....	10c
Leptosiphon.....	5c	Sweet Peas.....	5c
Limnanthes.....	5c	Venus's Navelwort.....	5c
Lupinus.....	5c	Wallflower.....	5c
Malope.....	5c	Whitlavia.....	5c

### FOR VEGETABLE GARDEN AND FIELD CULTURE.

	Per pkt.		Per pkt.
Balm.....	5c	Kale.....	5c
Basil.....	5c	Marjoram.....	5c
Borage.....	5c	Sage.....	5c
Clover, Alsike.....	5c	Savory.....	5c
White.....	5c	Thyme.....	5c
Furze, for hedges.....	10c		

## Imported Collections of Flower Seeds.

[For Descriptions and Culture of the different varieties, see our General List of Flower Seeds.]

These Collections are put up in sealed packets, each color being folded and marked in a separate bag, of the finest strains only, by the leading house in Germany, and can be relied upon to give satisfaction, and prove true to name and color. No Collections divided or sold in broken packages. Mailed free at prices annexed.

	Per collection		Per collection
<b>Antirrhinum</b> . Finest Tall. 12 varieties.....	\$0 75	<b>Hollyhocks</b> .....	6 finest varieties...\$0 50
Dwarf. 12 varieties....	75	.....12	" .. 1 00
<b>Asters</b> . Dwarf Peony flowered. Perfection.		<b>Larkspur</b> . Dwarf Rocket..12	" .. 75
8 finest varieties.....	75	<b>Pansy</b> , or Heartsease.....12	" .. 1 00
Victoria. 8 finest varieties.....	75	<b>Phlox Drummondii</b> .....12	" .. 75
Washington. 6 finest varieties.....	75	<b>Portulaca Grandiflora</b> . Double. 8 finest var's.	75
<b>Balsams</b> . Camellia flowered. 6 finest varieties	50	<b>Stocks</b> . Dwarf German Ten Weeks. 8 finest	
Rose flowered. 6 finest varieties...	50	varieties.....	75
8	75	Dwarf German. Large flowering. 8	
12	1 00	finest varieties.....	75
<b>Carnation and Picotee</b> .....12	1 25	Dwarf German. Large flowering. 12	
<b>Cockscomb</b> . Dwarf..... 6	50	finest varieties.....	1 00
..... 8	60	<b>Wallflower</b> . Double German. 10 finest var's.	75
.....12	75	<b>Zinnias</b> . Double. 8 finest varieties.....	75



**COLLECTIONS.**

[Our own putting up.]

These are from our best strains, and are selected specially to suit this climate. Where possible, they comprise mixed seed of the various species. In every case, the varieties are of our own selection.

		Per collection.
Collection A.	20 good varieties of Annuals.....	\$ 1 00
B.	20 good varieties of Perennials.....	1 00
C.	10 extra fine varieties of Annuals and Perennials .....	1 00
D.	100 good varieties of Annuals, Biennials and Perennials.....	5 00
E.	50 good varieties of Annuals, Biennials and Perennials.....	2 50
F.	20 good Annuals, Biennials and Perennials, specially suitable for sowing in fall.....	1 00
G.	20 good climbing plants.....	1 00
H.	12 good varieties of <i>Ornamental Gourds</i> .....	1 00
I.	20 good varieties of <i>Ornamental Grasses</i> .....	1 00
J.	20 good varieties of <i>Honey Yielding Flowers</i> .....	1 00

**CALIFORNIA NATIVE WILD FLOWERS.**

We offer 12 varieties, all of great beauty, some of which are very rare and difficult to obtain.

	Per pkt.		Per pkt.
<b>Antirrhinum</b> Orcuttianum (Cal. Snapdragon).....	15c	<b>Oxyura</b> Chrysanthemoides (Painted Cup).....	5c
<b>Dicentra</b> Chrysantha (Cal. Bleeding Heart)....	15c	<b>Papaver</b> Californicum.....	5c
<b>Dodecatheon</b> Clevelandii (Shooting Star).....	15c	<b>Phacelia</b> Parryi.....	10c
<b>Emmenanthe</b> Penduliflora. Very rare and handsome.....	25c	<b>Playstemon</b> Californicum.....	5c
<b>Eschscholtzia</b> Californica (Cal. Poppy).....	5c	<b>Romneya</b> Coulterii (Cal. Mountain Poppy).....	15c
<b>Lathyrus</b> Californicus (Cal. Pea) .....	15c	<b>Viola</b> Pedunculata (Cal. Violet).....	25c

The above 12 varieties, being our "Tourists' Souvenir Californian Collection," securely packed and mailed free to any part of the world for one dollar each collection.

**Tree and Shrub Seeds.**

The importance of Timber Culture is universally recognized. History shows that many countries occupied by some of the greatest nations in ancient times, and which were then fertile and productive, have been rendered sterile and barren, owing to the denudation of their forests, as nearly every one knows.

Trees, especially on hill sides, are absorbent, retentive, and retard evaporation, thereby assisting to prevent floods in winter and drought in summer. The supply of fuel is also a vital question for Southern California, and, to attain that end, the varieties of Eucalypti and other rapid-growing trees are being largely planted.

The value of Trees for shade and shelter purposes need not be enlarged upon. In raising all kinds of Tree Seeds successfully, the process of growth and germination in their natural habitat should be imitated as closely as possible. Thus the cones of Conifers shed their Seed, which falls under the tree, generally on a light soil, enriched by generations of fallen needles or "tags;" at the same time it is sheltered from too much wet by the pyramidal thick foliage of the tree, which also shades the young seedlings from the direct hot sun, and thus protected, under somewhat humid conditions, germination is sure and rapid. On the contrary, *Seeds of Deciduous Trees* lie exposed on the surface of the ground to the action of the rain and frost, till the spring, when the weather being sufficiently warm, they germinate rapidly. As a rule, all Tree and Shrub Seeds germinate slowly, compared with Vegetable or Flower Seeds.

All hard Seeds, as Acacias, Locust, Gymnocladus, Osage Orange, etc., should be soaked for twelve hours in warm water, say at 120°, before sowing. *Deciduous Tree Seeds* should be planted in this section in winter or very early spring, as most of these seeds lose their vitality very rapidly. The soil should be well prepared, rich and deep; and the Seed should always be sown in drills, and the ground kept thoroughly free from weeds. *Evergreen Tree Seeds* should be sown in boxes or pans, thoroughly well drained, and should be protected from the sun by being placed under the shelter of a hedge or fence. They are best sown in spring or fall, and should be carefully transplanted when necessary.

As many Tree Seeds are collected in distant countries, and will sometimes fail to germinate, although they may appear well enough to the eye, we wish it to be distinctly understood that we will not in any way be responsible for their failure; but, at the same time, we will use every endeavor to supply only the best.

We test and raise large quantities at our Nursery, and our customers may rely upon every precaution being taken to send out only reliable Seeds. All Tree and Shrub Seeds quoted in this list at less than 50c per ounce we can supply at 15c per packet; those quoted at 50c and upwards per ounce, at 25c per packet. No deviation from this rule. No half-ounces of any Tree Seeds supplied that are offered at less than \$1 per ounce.

**AUSTRALIAN TREE AND SHRUB SEEDS.**

We make a separate category of these, as from their value they are worthy of it. The visitor to Australia, at any season, will at once notice that all the indigenous vegetation is evergreen. The writer does not know one deciduous tree or shrub native to that country.

The most valuable are, of course, the Eucalypti. These possess great antiseptic properties, and are, no doubt, also of great value in absorbing moisture from bottom soils, thus preventing malaria. Their value as rapid growing timber is also great, some varieties making excellent fuel, while others are nearly unflamable, but are useful in carpentry, and for railway ties, platforms, piles, jetties, etc. Others are very ornamental, bearing showy flowers.

**AUSTRALIAN TREE AND SHRUB SEEDS—Continued.**

	Height in feet.	Price per oz.	Price per lb.
<b>Acacia Albicans.</b> Flowers whitish yellow. Very compact.....	6	\$1 00	
<b>Acuminata.</b> Yellow. The "Myall" of Western Australia, used for manufacturing scented pipes, also for charcoal .....	40	40	\$4 00
<b>Armata.</b> "Prickly Acacia." Much used for hedges. Good for the sea coast.....	15	40	4 00
<b>Dealbata.</b> "Silver Wattle." Very ornamental.....	15	40	4 00
<b>Decurrens.</b> "Green or Black Wattle." A medium-sized tree of rapid growth, very useful for windbreaks. Is also very rich in tannin. Wood is valuable for fuel, and for turners' and coopers' work.....	30	40	4 00
<b>Excelsa.</b> "Ironbark Wattle." Branches pendant. Wood valuable for furniture, being dark colored, heavy and durable.....	80	50	5 00
<b>Floribunda.</b> Ornamental, with very abundant, handsome flowers. Valuable for lawns, parks, cemeteries, etc.....	25	40	4 00
<b>Longissima Floribunda.</b> A scarce new variety, very ornamental, the finest of the genus.....per pkt., 25c	20		
<b>Lophantha.</b> [Albizzia Lophantha]. "Cape or Crested Wattle." One of the most rapid growing plants for first temporary shelter, succeeding in the most deso- late places. Cattle will eat the leaves .....	15	40	4 00
<b>Melanoxylon.</b> "Blackwood." In sheltered irrigated glens, this tree will reach a height of from 80 to 100 feet, with a trunk several feet in diameter. The tim- ber is very valuable for all cabinetmakers' work, also for veneers in decorat- ing. One of the handsomest furniture woods .....	80	40	4 00
<b>Mollissima.</b> An abundant blooming tree, very ornamental and suitable for lawns and shrubbery.....	25	40	4 00
<b>Ornithophora.</b> "Kangaroo Acacia." For hedges and windbreaks, making a close impervious hedge.....	15	40	4 00
<b>Pycnantha.</b> "Golden Wattle." Of rapid growth, doing especially well near the sea coast, and containing a large quantity of tannin .....	40	40	4 00
<b>Suaveoleus.</b> A pretty variety of pendulous habit.....	8	40	4 00
<b>Trovissima.</b> Thorny; for hedges. Growth rapid.....	10	40	4 00



*Araucaria Excelsa*

<b>Araucaria Excelsa.</b> Norfolk Island Pine. [Seed expected]. A noble Conifer of sym- metrical growth, and en- dures the heat well, hav- ing a truly majestic ap- pearance, (see cut).....	200	1 50	
<b>Boronia Megastigma.</b> A beautiful little shrub. Flowers cop- per-color, with a powerful violet odor. Very rare. Seed germinates slowly. [Only in pkts, per pkt.50c	3		
<b>Brachychiton Acerifolium.</b> [Flame Tree]. Of fine sturdy pyramidal growth, with large hand- some foliage, pro- ducing masses of scar- let flowers, which are thrown out well above the foliage, making a grand effect when mixed with other trees.....	20	30	3 00
<b>Casuarina Equisetifolia.</b> "Beef- wood." Wood very dur- able under ground for piles and jetties. Also very valuable for fuel... Glauca. "Blue She Oak" Very rapid growing and valuable for fuel. Also useful for staves. A good shelter tree.....	150	1 00	
<b>Casuarina Quadrivalvis.</b> "Coast She Oak." Very valuable for sea coast culture, to prevent the inroads of the sea upon sand hills. Of quick growth. Wood valuable for shingles, etc., and a first class fuel.....	60	1 00	
<b>Stricta.</b> "She Oak." Is tougher than the other species. Excellent wood for tool handles.....	30	1 00	
<b>Suberosa.</b> "Erect She Oak." A beautiful shade tree. Valuable for fuel.....	60	1 50	
<b>Torulosa.</b> "Forest Oak." Wood very valuable for timber, also for fuel, burn- ing to a clear white ash, and leaving no cinders.....	75	1 00	



**AUSTRALIAN TREE AND SHRUB SEEDS—Continued.**

	Height in feet.	Price per oz.	Price per lb.
<b>Eucalyptus Amygdalina.</b> "Messmate Gum." Belonging to this variety are the tallest trees in the world. In Gippsland, Australia, are trees over 500 feet in height. Makes first class timber for flooring boards, scantling, etc., and is well suited for avenue planting.....	400	\$1 00	
<b>Baileyana.</b> Timber splits easily, and is straight-grained. Much used in Queensland for shingles. Branches spreading, with dense foliage.....	100	1 50	
<b>Bicolor.</b> [Bastard Box]. Timber of great strength and durability. Useful for piles and railroad ties.....	150	1 00	
<b>Callosa.</b> Not to be confounded with "Colossea." A scarce variety from Western Australia. Timber of good quality, and more easily worked than most of the other kinds. Also good for fuel.....	200	2 00	
<b>Calophylla.</b> Ornamental, of rapid growth, with white flowers. Timber also valuable for carpentry above ground.....	50	1 50	
<b>Citriodora.</b> [Lemon-scented Gum]. A fine ornamental tree, with lemon-scented foliage, supplying also an useful timber. Being a native of Queensland, it is more tender than most other kinds.....	80	3 00	
<b>Colossea.</b> [Diversicolor or Gigantea]. "Karri" Gum. Very hardy, and a comparative quick grower. Timber straight grained and tough. Much used in Australia for ship-building.....	300	1 50	
<b>Cornuta.</b> "Yale Tree." A rapid growing variety, and very hardy. Wood very durable, heavy and elastic, and considered equal to Ash.....	100	1 50	
<b>Corymbosa.</b> "Blood Wood." Wood of a dark red color, easily worked while fresh, but when dry becomes very hard. Useful for fence posts and railroad ties, being durable underground. The numerous gum veins render it of little use for sawing purposes.....	200	1 50	
<b>Corynocalyx.</b> "Sugar Gum." Very ornamental, rapid growing, with dark green leaves. Highly valued in this vicinity. Timber very durable, and used for railroad ties. One of the best.....	120	2 50	\$20 00
<b>Crebra.</b> [Narrow-leaved Ironbark]. Wood reddish, heavy, elastic and durable; is ant and teredo proof. Useful for railroad ties, bridges and piles.....	100	1 50	
<b>Ficifolia.</b> [Scarlet-flowered Fig-leaved Gum]. The most ornamental of the family. Flowers bright crimson, produced well above the foliage. One of the most effective trees in cultivation..per 100 seeds, \$2.50; 20 seeds, 50c	20		
<b>Fissilis.</b> "Victorian Yellow Gum." A large rapid growing variety. Wood easily split, straight grained, and used for floor boards, scantling, etc.....	200	2 00	
<b>Globulus.</b> "Tasmanian Blue Gum." Well-known. One of the most useful of all, and a very rapid grower. Planted largely in all warm countries, on account of its malaria destroying qualities. Remarkably good for fuel, being easily sawn and split.....	150		
California saved seed.....		35	3 50
Imported seeds.....		40	4 50
<b>Gomphocephala.</b> ("Toort Gum"). Wood very strong and tough. Will stand a strain as great as "English Oak." Particularly valuable where great strength is needed.....	120	1 50	
<b>Goniocalyx.</b> "N. S. W. Blue Gum." Wood very durable, hard and tough. Much used in its native country by wheelwrights.....	200	1 00	
<b>Gunnii.</b> "Tasmanian Cider Tree." Probably the hardest of the genus. Will stand a considerable amount of frost. Recommended for all elevated and exposed positions. Good for fuel.....	80	1 50	
<b>Hæmastorea.</b> "White Gum." Good for fencing and rough building material, also makes a fair fuel. Grows particularly well on sandy soil.....	150	1 50	
<b>Hemiphloia.</b> "Common Box." Wood very hard, strong and durable above ground. Also a first-class fuel for all purposes.....	150	1 00	
<b>Leucoxydon.</b> "Victorian Ironbark." Very hard, strong and durable, excelling Hickory in strength. Recommended for underground work in mines, and for railroad ties, bridges, etc.....	100	2 00	
<b>Longifolia.</b> "Woolly Butt." A large tree, of great girth, growing well in any soil. Timber is durable and makes excellent fuel.....	200	1 00	
<b>Maculata.</b> "Spotted Gum." Wood as strong as English oak. Extensively employed in ship-building and wheelwrights' work.....	100	1 50	
<b>Marginata.</b> "W. A. Jarrah." Impervious to teredo and ants, and much sought after for jetties and piles, and largely exported for railroad ties. The timber is easily worked and takes a beautiful polish. Since Teak has become scarce, this timber has been largely used in its place for the decks and other parts of ships. Furniture made from this wood is much admired. It is of quick growth and of immense size.....	200	1 50	

## AUSTRALIAN TREE AND SHRUB SEEDS—Continued.

	Height in feet.	Price per oz.	Price per lb.
<b>Eucalyptus Meliodora.</b> "Black Ironbark." Of spreading growth, with a comparatively stout stem, and makes excellent fuel. The young trees are largely used for telegraph poles, and the flowers are much sought by bees.....	120	\$1	00
<b>Obliqua.</b> "Stringy Bark." A quick grower, and produces the best wood for flooring, scantling and shingles. Inferior as fuel, but makes the best charcoal for the forge.....	300	1	00
<b>Obtusifolia.</b> "Yellow Blackbutt." A rapid-growing variety, very good for fuel. Also useful for staves, coopers' and wheelwrights' work.....	120	1	50
<b>Paniculata.</b> "White Iron Bark." Wood hard and durable, excellent for railroad ties. Also much used for building and fencing, as it splits well, and is lasting under ground.....	150	1	00
<b>Paniculata Microphylla.</b> "She Iron Bark." Leaves smaller than those of the preceding variety. Wood softer and easier to work than that of the other Iron Barks. Also good for fuel.....	100	1	50
<b>Pauciflora.</b> [White Swamp Gum]. Of handsome appearance, with smooth white bark, and generally drooping foliage. The timber is used for building and fencing purposes. Will stand moderate frost.....	150	1	50
<b>Phenicea.</b> An ornamental variety, with brilliant crimson purple flowers. Good for lawns, parks, etc.....per pkt., 50c	30		
<b>Pilularis.</b> "Black Butt." Of rapid growth. One of the best timber yielding species, much used for flooring boards, railroad ties and telegraph poles..	300	1	50
<b>Piperita.</b> "Peppermint Gum." Timber valuable for shingles, fence rails, etc. Yields a greater quantity of oil than any other variety, and is of remarkably quick growth.....	300	1	50
<b>Platyphylla.</b> One of the best shade trees, producing very large leaves. Will thrive in open, exposed localities. Timber durable.....	200	1	50
<b>Polyanthema.</b> [Australian Beech]. The timber is much used for mining purposes, and for all underground work, being remarkably hard and durable. Also an excellent fuel.....	150	1	50
<b>Regnans.</b> [Royal Mountain Ash]. A very scarce variety, growing to a large size, and very hardy. Grows on the high slopes of the Australian Alps, near the snow line. Timber durable, and excellent for fuel.....per pkt., 25c	200		
<b>Resinifera.</b> "Forest Mahogany." A superior timber, of large size, prized for its strength and durability. Fine for interior house work.....	200	1	00
<b>Robusta.</b> "Swamp Mahogany." Thrives best in low grounds, especially near the sea coast. Timber strong and durable, and is much used where strength and resistance to strains is required. A remarkably healthy, robust variety.....	150	1	00
<b>Rostrata.</b> [Red Gum.] Well known and highly esteemed in this section. The timber is unsurpassed for durability, and is used for railroad ties, street pavements, ship building, etc.....	200		
California-grown Seed.....		60	\$6 50
Imported.....		75	8 00
<b>Saligna.</b> "Weeping Gum." Very ornamental. Leaves and general habit are like the "Babylonian Willow." Good for fuel.....	75	1	50
<b>Sieberiana.</b> "Gum Top." Wood of excellent quality, strong and elastic, and may be used for all purposes where Hickory or Ash are at present used. It splits easily, and is soft to work. Also a most excellent fuel.....	150	1	50
<b>Siderophloia.</b> "Red Iron Bark." Wood very hard, light colored and heavy, of great strength and durability, and is used for railroad ties, spokes, shingles, bridges, jetties, etc. Is stronger than Hickory. As fuel, it gives more heat than any other kind.....	200	1	00
<b>Stuartiana.</b> "Apple-scented Gum." A medium-sized tree, with drooping branches. Will thrive on any soil. Wood very dark and handsome, and takes a good polish. Useful for cabinet work, also good for fuel.....	100	1	50
<b>Tereticornis.</b> "Gray Gum." A very handsome large growing variety. Wood durable and useful for shingles, flooring, etc. Also an excellent fuel.....	200	2	00
<b>Viminalis.</b> "Manna Gum." A hardy, rapid-growing variety, and well suited for exposed situations. On rich soils it grows to a gigantic size. The wood may be used for ordinary building purposes, also for fuel. The young bark and leaves yield Australian Manna, a hard, opaque, sweet substance.....	300	1	00
<b>Ficus Australis.</b> [Australian Ban Yan Tree.] A fine evergreen tree, very useful for shade and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts, they should be sheltered till they are 4 years old, and well established.....	40	1	50
<b>Macrophylla.</b> "Moreton Bay Fig," or "Long-Leaved Rubber Tree." A magnificent ornamental shade tree, with large, bright, glossy green leaves.....	100	1	50



**AUSTRALIAN TREE AND SHRUB SEEDS—Continued.**



Grevillea Robusta.

**Grevillea Robusta** [Silky Oak.]  
(See cut.) A beautiful lawn and shade tree, with fern-like foliage, of rapid growth, and capable of resisting drought to a remarkable degree, hence one of the most eligible trees for desert culture. The wood is elastic and durable, valuable for furniture, the orange-colored flowers are also honey producing. We have secured a fine lot of seed from local sources of high germinating quality.....

[For other Grevilleas see Novelty List.]

**Pittosporum Eugenoides.** A valuable evergreen for lawns, parks or cemeteries; of graceful form and bright; light green foliage, which, in contrast with the dark colored branches, makes a fine effect. It is suitable for tall garden hedges. From South Australia.....

**Pittosporum Revolutum.** Foliage, dark green; lanceolate and bears trimming well. Good either for hedges or as single specimens.....

**Pittosporum Tobira.** A handsome evergreen shrub with shining dark green oblong leaves, borne in whorls. The bush is of a uniform globular shape, and almost completely covered in summer with charming white flowers resembling orange blossoms, and fully equal in fragrance.....per 100 seeds, \$1.00 6

**Undulatum.** A native of Southeastern Australia. Handsome evergreen, with highly fragrant flowers. Produces a wood well adapted to turners' purposes, and also as a substitute for boxwood .....per oz., 50c 15

**CONIFER AND MISCELLANEOUS EVERGREEN TREE AND SHRUB SEEDS.**

All seeds quoted at less than 50 cents per ounce, we will supply at 15 cents per packet; those quoted at 50 cents and upward at 25 cents per packet. No deviation from this rule.

	Height in feet.	Price per oz.	Price per lb.
<b>Abies Douglassii.</b> "Douglass' Spruce." Foliage rich blue, wood reddish, coarse grained, heavy, strong and valuable.....	200	\$0 60	\$6 00
<b>Menziesii.</b> "Menzie's Spruce." A native of Oregon. An excellent timber tree, strictly pyramidal in form. Very handsome.....	200	75	7 50
<b>Nordmanniana.</b> "Nordmann's Spruce." Is handsome, hardy and highly prized. Massive dark foliage, silvery underneath.....	75	50	5 00
<b>Araucaria Imbricata.</b> "Monkey Puzzler." Most beautiful for lawn decoration. Leaves stiff, smooth, shining deep green, sharply pointed, entirely covering the branchlets.....	50	50	
<b>Arbutus Unedo.</b> "Strawberry Bush." An elegant evergreen, with white bell-shaped flowers, followed in autumn by handsome scarlet berries.....	10	25	2 50
<b>Buxus Sempervirens.</b> "Evergreen Box." A hardy, compact growing evergreen of dwarf habit.....	8	20	2 00
<b>Camphora Officinalis.</b> "Camphor Tree." From this tree the Gum Camphor of commerce is extracted. An avenue of these trees is superb, the tree being of upright habit, the top forming a dense crown, with glossy light green leaves.....	50	50	5 00
<b>Cedrus Deodara.</b> [Himalayan Cedar]. A noble and beautiful evergreen of pyramidal form, foliage bluish-green, graceful and drooping.....	100	60	6 00
<b>Libani.</b> [Cedar of Lebanon]. A most beautiful evergreen for lawn decoration.....	80	75	7 50
<b>Cinnamomum Sericeum.</b> "Cinnamon Tree." Very interesting and ornamental, leaves a deep glossy green. From the root bark is prepared, the Cinnamon of commerce. Should be in every collection of rare plants.....	10	75	8 00

## CONIFER AND MISCELLANEOUS EVERGREEN TREE AND SHRUB SEEDS—Continued.

	Height in feet.	Price per oz.	Price per lb.
<b>Cryptomeria Elegans.</b> "Fine-leaved Japan Cedar." Foliage glaucous green, resembling a feathery Araucaria, which in winter turns to a reddish brown. Should be universally planted on account of its great beauty.....	50	\$ 1 00	
Japonica. "Japan Cedar." A splendid conifer for isolated situations on lawns.....	75	50	\$ 5 00
<b>Cunninghamia Sinensis.</b> A lofty evergreen tree, resembling the Araucaria Excelsa in foliage, but more feathery, and less rigid.....	100	2 50	
<b>Cupressus Goveniana</b> "Goven's Dwarf Cypress." A native variety from the coast range around Santa Cruz. Very ornamental.....	30	50	5 00
Guadalupensis. "Blue Cypress." A rapid growing upright variety, with bluish foliage. Very ornamental for lawns and cemeteries.....	40	50	5 00
Lawsoniana. "Lawson's Cypress." A native variety found in Northern California and Oregon. Wood white, fragrant, fine and close-grained. Generally known as Oregon or White Cedar.....	100	50	5 00
MacNabiana. "McNab's Cypress." Found around Mt. Shasta at a high altitude. Leaves small, and deep green in color.....	10	40	4 00
Macrocarpa. "Monterey Cypress." Too well known to need description. Useful for hedges or windbreaks.....	50	15	1 00
Sempervirens. "Italian Cypress." An European variety, very long lived, and the wood of which is almost imperishable. Fine for planting over archways, etc., as it can be trained to any required form, and bears clipping as well as Yew.....	70	30	3 00
<b>Euonymus Latifolius</b> "Spindle Tree." A handsome American shrub, with dark glossy green leaves.....	8	25	2 50
<b>Ilex Aquifolium fol. argentea variegatis.</b> (Silver variegated Holly).....	10	30	3 00
Aureis variegatis. (Golden variegated Holly).....	10	30	3 00
These two varieties are variegated forms of the English Holly, or Christmas Bush, and will yield at least 50 per cent. of variegated leaved plants.			
<b>Jacaranda Mimosefolia.</b> "Brazilian Jacaranda." A handsome tree with fern-like foliage and magnificent clusters of light-blue flowers. Hardy in this vicinity. In colder localities would require protection...75c per 100 seeds, \$6 per 1000	25		
<b>Juniperus Virginiana.</b> (Red Cedar). A well known American tree. One of the best as a wind break, and it will stand clipping and trimming to any desired form	50	20	1 50
<b>Libocedrus Decurrens.</b> "California White Cedar." Native to this coast from San Diego to Oregon. Well adapted for windbreaks, and can be used for hedges. Wood light and strong, and can be used for fence rails, etc.....	100	40	4 00
<b>Magnolia Grandiflora.</b> (Large flowering Magnolia). A native of the Southern States, where its presence indicates good soil. The noble, cup-shaped, pure white flowers, and its large green leaves, brown underneath, render it par excellence, the king of evergreen trees. Thrives and flowers well in California...	100	25	2 50
<b>Mahonia Aquifolia.</b> A native shrub, bearing yellow flowers, succeeded by clusters of blue berries.....	5	30	3 00
<b>Oreodaphne Californica.</b> "Native Bay." A well known native tree, growing between the coast mountains and the sea.....	30	30	3 00
<b>Pinus Austriaca.</b> (Black Austrian Pine). Remarkably robust, hardy and of spreading habit. Leaves long, stiff and dark green, and of rapid growth. Very valuable for lawn planting in this country.....	100	15	1 50
Canariensis. ("Canary Island Pine.") Very robust and healthy, with bright green leaves. Grows nearly as fast as the "Monterey Pine." We can highly recommend this variety for this section.....	50	60	6 00
Cembra. "Stone Pine." Handsome conical form, erect and branching.....	100	15	1 50
Contorta. [Mugho]. "Twisted Pine." A small tree, with wide, spreading and somewhat twisted branches. Native of Oregon.....	30	60	6 00
Coulterii. [Macrocarpa]. "Big Cone Pine." A fine native tree, of very robust growth, with bluish-gray leaves a foot in length. Has the largest cone of all pines, sugar-loaf shaped, and edible.....	100	40	4 00
Insignis. "Monterey Pine." This well-known native variety is of very rapid growth, and succeeds well in any kind of soil. Should be allowed plenty of room.....	80	25	2 50
Laricio. "Corsican Pine." A large, rapid-growing, majestic tree, resembling the Austrian Pine.....	80	30	3 00
Maritima. "Seaside Pine." Well adapted for planting near the sea, thriving well in a saline atmosphere.....	60	15	1 00
Monticola. "Mountain Pine." Leaves in fives, about four inches in length. Hardy, and thrives in light, sandy soils. Will grow on mountains up to the snow line.	80	50	5 00
Ponderosa. [Jeffreyana]. "Heavy or Yellow Pine." One of the largest pines in the Rocky Mountains and Sierras. Well adapted for dry, windy, and exposed situations.....	300	40	4 00
Strobus. "Weymouth or White Pine." A stately, straight and valuable tree. Wood white, and the most extensively used in the Eastern States for carpentry.....	100	25	2 50



## CONIFER AND MISCELLANEOUS EVERGREEN TREE AND SHRUB SEEDS—Continued.

	Height in feet.	Price per oz.	Price per lb.
<b>Pinus Sylvestris.</b> ["Scotch Fir"]. The economic value of this tree is well proven. Growing in the most sterile soils, the humus, or decayed vegetable matter, formed by this tree, will double that from any Deciduous variety. Wood valuable, though usually more knotted than that of the White Pine.....	100	\$0 15	\$1 25
<b>Tuberculata.</b> "Knob Cone Pine." A small native Pine, found in the Coast Range. Wood hard, dark colored, but not of much value except for fuel. Also called "Scrub Pine".....	30	50	5 00
<b>Picea Amabilis.</b> "Lovely Silver Fir." Leaves bright green above, silvery underneath. A beautiful evergreen for lawns. Native of Oregon.....	80	75	7 50
<b>Concolor.</b> "Black Balsam." Native of the Pacific coast, growing on the mountains at an elevation of 5000 feet and upwards.....	100	75	7 50
<b>Grandis.</b> "Great Silver Fir." A handsome ornamental tree. Wood soft, white and coarse grained, useful for flooring, etc. Native of California and Oregon.....	200	60	6 00
<b>Nobilis.</b> "Noble Silver Fir." Leaves 1½ inches long, rigid, curved upwards, white underneath. Found extensively around Mt. Shasta A majestic conifer.....	200	60	6 00
<b>Schinus Molle.</b> "Mexican Pepper Tree." A well-known handsome shade tree, with light feathery foliage, and bright scarlet berries. Habit very similar to the Weeping Willow.....	50	10	1 00
<b>Sciadopytis Verticillata.</b> "Japan Umbrella Pine." Curious and remarkable. Leaves are a dark glossy green, crowded into whorls at the joints of horizontal branches. Very ornamental.....per pkt. 25c	15		
<b>Sequoia Gigantea.</b> "California Big Tree." The biggest of all trees, and probably the most long lived. Specimens are often found 400 feet in height. Wood soft and white, when first felled, afterwards it turns red. It is very durable and makes a handsome park tree.....	300	1 00	10 00
<b>Sempervirens.</b> "California Redwood." Well known. Wood reddish, soft, close veined, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Ornamental for lawns or parks.....	200	40	4 00
<b>Solanum Erectum.</b> [Betaceum.] "Guatemala Tree Tomato." A handsome evergreen of good form, and bearing yellow fruits the size of an egg, with a pleasant sub-acid flavor, and which may be eaten raw, or made into an agreeable jelly. Per pkt. 25c.....	8	5 00	
<b>Thea Chinensis.</b> "Chinese Tea Plant." An interesting evergreen shrub, very ornamental, with waxy white blossoms. Its young leaves furnish the Tea of Commerce.....	10	30	3 00
<b>Thuja Aurea.</b> "Golden Arbor Vitæ." A dwarf Chinese variety; compact and globular in shape; top foliage yellowish green; very suitable for lawns, cemeteries, etc..	6	40	4 00
<b>Aurea Semper-aurea.</b> "Ever Golden Arbor Vitæ." Of dwarf habit and free growth. It retains its golden color the year round. One of the prettiest dwarf evergreens for the lawn.....	4	1 00	
<b>Compacta.</b> "Compact Arbor Vitæ." A handsome dwarf variety, of compact, globular form. Its deep green foliage and elegant appearance make it a most desirable kind for the lawn, park or cemetery.....	5	35	3 50
<b>Gigantea.</b> "Giant Arbor Vitæ." A very large and graceful tree, native of Northern California and Oregon. Wood white, soft, easily worked and very durable.....	200	75	7 50
<b>Occidentalis.</b> "American Arbor Vitæ" or "White Cedar." A common and well-known tree, native of the Atlantic States. Wood light colored, compact and durable. Prefers moist situations, and makes an excellent hedge plant.....	50	30	3 00
<b>Orientalis.</b> "Chinese Arbor Vitæ." A small elegant tree, peculiar from its flattened branches, which are dense and light green in color. Valuable for the lawn.....	10	25	2 50
<b>Torreya Californica.</b> "Californian Nutmeg." A symmetrical tree, with a clear, straight trunk. Wood light colored, close grained, hard and firm.....	60	20	2 00
<b>Viburnum Tinus.</b> "Laurustinus." One of the finest winter flowering shrubs, blooming abundantly during the winter. Flowers waxy white in clusters. Also a valuable hedge plant.....	12	20	2 00
<b>Vitex Agnus Castus.</b> "Chaste Tree." An aromatic evergreen shrub, with whitish-blue flowers, very ornamental.....	15	15	1 50

## DECIDUOUS TREE AND SHRUB SEEDS.

All those varieties quoted at less than 50 cents per oz., we supply at 15 cents per pkt.

All those quoted at 50 cents and upwards, we supply at 25 cents per pkt.

<b>Acer Macrophyllum.</b> "Large-leaved Maple." A large tree native to California and Oregon. Wood very hard, resembling that of the Sugar Maple. One of the most valuable trees found on the Pacific slope.....	100	25	2 50
<b>Pseudo Platanus.</b> "Sycamore." A vigorous rapid-growing tree, with rather coarse spreading branches. Wood hard and close grained. A good tree for the seashore.....	100	15	1 00
<b>Negundo.</b> "Box Elder." A medium-sized tree of very rapid-growth. Wood close and fine grained. A valuable ornamental tree.....	40	15	1 00

## DECIDUOUS TREE AND SHRUB SEEDS—Continued.

	Height in feet.	Price per oz.	Price per lb.
<b>Ailanthus Glandulosa.</b> "Tree of Heaven." A large spreading tree. Native of China, with coarse, blunt, stiff branches, and leaves somewhat resembling the Sumach. The stem is usually very straight, bark smooth, light gray. Wood fine grained, hard and useful for cabinet work.....	80	\$0 15	\$1 50
<b>Asinima Triloba.</b> "Paw Paw." A handsome small tree, with edible fruit, excellent and well worth cultivating. Wood light and spongy. Native of the Middle States.....	30	15	1 25
<b>Berberis Vulgaris.</b> "Common Barberry." A handsome shrub, with yellow flowers in drooping racemes, followed by orange-scarlet fruit, which makes an excellent preserve. Also valuable for hedges.....	12	30	3 00
<b>Calycanthus Floridus.</b> "Carolina Allspice." Remarkable for the scent of its flowers, which resembles that of ripe fruit. Will grow in almost any soil. Flowers brown.....	4	30	3 00
<b>Catalpa Speciosa.</b> "Indian Bean Tree." A rapid growing timber tree, and valued on account of its straight symmetrical growth. A good tree for timber claims. Flowers white and purple.....	50	15	1 00
<b>Ceratonia Siliqua.</b> "St. John's Bread." The Carob, or Locust tree of Scripture, with yellow flowers and edible saccharine pods, that possess great fattening properties.....	30	20	2 00
<b>Cercidophyllum Japonicum.</b> A slender growing tree, with smooth bark, and heart-shaped leaves, purplish when young, but becoming glossy green with age.....	60	3 50	
<b>Cornus Nuttallii.</b> "Nuttall's Dogwood." A showy native variety, with greenish white flowers, in large heads, followed by clusters of bright crimson berries. Wood close grained, and very hard.....	50	30	3 00
<b>Cytisus Laburnum.</b> "Golden Chain." A very ornamental tree, with long, pendant, showy yellow flowers in clusters.....	30	20	2 00
<b>Deutzia Crenata Fl. Pl.</b> One of the most beautiful and popular shrubs. Flowers in racemes four inches long, double white.....	5	50	5 00
<b>Diospyros Kaki.</b> "Japan Persimmon." An excellent ornamental tree, leaves large and leathery, large golden or scarlet fruit, not astringent. Striking and beautiful.....	20	30	3 00
<b>Fraxinus Oregona.</b> "Oregon Ash." A large tree with wood like Eastern White Ash. Fruit an inch long, club shaped.....	80	35	3 50
<b>Gleditschia Triacanthos.</b> "Three Thorned or Honey Locust." Hardy and of rapid growth. Will form an impenetrable hedge. Seed should be soaked in boiling water before sowing. Cultivate the young plants well the first year. When one year old, the young plants should be transplanted to where they are to remain, and the tap root shortened.....	60	10	50
<b>Gymnocladus Canadensis.</b> "Kentucky Coffee Tree." A large noble tree with pinnate leaves, two to three feet long, of a bluish green. Very ornamental.....	60	15	1 25
<b>Juglans Californica.</b> "Californian Black Walnut." A valuable tree of erect and noble habit. The great value of its wood is well known.....Per 100 lbs., \$6	60		10
<b>Larix Europea.</b> "European Larch." Hardy, of rapid growth, very durable, and desirable as an ornamental tree. The vivid, bright green of its young foliage in early spring is unapproached by any other.....	80	20	2 00
<b>Liriodendron Tulipifera.</b> "Tulip Tree." A magnificent tree, belonging to the Magnolia family, with bell-shaped flowers. Color, greenish yellow, tinged with orange. Wood light, soft, easily worked, and extensively used for interior finishing.....	125	15	1 00
<b>Maclura Aurantiaca.</b> (Osage Orange). A well known hedge plant, of rapid growth, perfectly hardy, and bears pruning well. Treat seeds and young plants as recommended for "Gleditschia Triacanthos".....	40	10	75
<b>Melia Azederach Speciosa.</b> "True Texas Umbrella Tree." Of very rapid growth, with long pinnate leaves, and wood of a reddish color, resembling the ash, durable, and makes excellent fuel. Thrives in dry soils. Very valuable for avenue planting.....	40	15	1 00
<b>Morus Alba.</b> "White Mulberry." A low-growing tree, with a stem from one to three feet in diameter. Fruit, white, sweet, but rather insipid. The leaves are used for feeding silkworms.....	30	30	3 00
<b>Nigra.</b> "Black Mulberry." The tree and leaves are larger than the preceding variety, with black fruit.....	40	40	4 00
<b>Tartarica.</b> "Russian Mulberry." A rapid growing tree, readily propagated from seed, and thrives well in dry soils. Also valuable as a hedge plant. Wood useful for cabinet work, and takes a fine polish.....	30	35	3 50
<b>Paulownia Imperialis.</b> "Empress Tree." Very rapid growing when young. It afterwards forms a broad, flat head. Flowers violet, trumpet-shaped and fragrant. Native of Japan.....	30	35	3 50
<b>Philadelphus Coronarius.</b> "Mock Orange." A well-known shrub, with large, showy white flowers, which are orange-scented.....	6	75	
<b>Pistacia Vera.</b> "Pistacia Nut." An ornamental tree, indigenous to Asia Minor. It yields the edible Pistacia Nuts of Commerce.....	15	30	3 00



**DECIDUOUS TREE AND SHRUB SEEDS—Continued.**

	Height in feet.	Price per oz.	Price per lb.
<b>Pyrus Aucuparia.</b> [Sorbus]. "Mountain Ash." A handsome ornamental tree, native of the Eastern States. Bears clusters of bright scarlet berries, remaining on the tree until winter.....	25	\$0 20	\$2 00
<b>Robinia Pseudo-Acacia.</b> "Yellow or Black Locust." Well known in this section for its beauty as a shade tree, and its value for fuel and timber. Has long bunches of fragrant, yellowish-white flowers. One of the best trees with which to plant timber claims. Treat seeds and plants the same as recommended for Gleditschia Triacanthos.....	60	10	50
<b>Salisburia Adiantifolia.</b> [Gingko Biloba]. "Maiden Hair Tree" A most beautiful and peculiar Japanese tree. Leaves fan-shaped, broad and bright colored.....	80	20	2 00
<b>Sophora Japonica.</b> "Japanese Sophora." An ornamental, medium-sized tree, with fern-like foliage, producing large bunches of cream-colored flowers. Of rapid growth, and will thrive in any soil.....	20	25	2 50
<b>Japonica Pendula.</b> "Weeping Sophora." One of our most ornamental weeping trees, with long, trailing branches, the bark of which is bright green.....	12	25	2 50
<b>Syringa Vulgaris.</b> "Purple Lilac." The common variety. One of the best; flowers and young foliage fragrant.....	8	30	3 00
<b>Vulgaris Alba.</b> "White Lilac." One of the best white varieties.....	8	30	3 00
<b>Tamarix Canariensis.</b> Has foliage somewhat resembling a Juniper. Good for planting near the sea coast, or in any exposed situation.....per pkt. 25c	10		
<b>Tilia Europea.</b> "European Linden or Lime." A very ornamental tree, with large leaves and fragrant flowers.....	80	20	2 00
<b>Ulmus Campestris.</b> "English Elm." A noble ornamental tree, with wide spreading head and drooping branches.....	150	15	1 50
<b>Viburnum Opulus.</b> "Snowball," or "Guelder Rose." An interesting shrub, with compact heads of snowy white flowers.....	15	20	2 00
<b>Weigelia Rosea.</b> A vigorous, spring flowering shrub, with fine, rose colored flowers; should be in every collection.....per pkt., 25c	3		

## Seeds of Plants Suitable for Hedges.

[For descriptions, see Tree and Shrub Seeds]. See also Novelty List.

	Price per oz.	Price per lb.		Price per oz.	Price per lb.
<b>Acacia, Prickly</b> .....	40c	\$4 00	<b>Laurustinus</b> .....	20c	\$2 00
Kangaroo.....	40c	4 00	<b>Osage Orange</b> .....	10c	75
Trovissima.....	40c	4 00	<b>Pittosporum Eugenioides</b> .....	50c	
<b>Arbor Vitæ, American</b> .....	30c	3 00	<b>Privet, Japanese</b> .....	25c	2 50
<b>Barberry, Common</b> .....	30c	3 00	<b>Scotch Broom</b> .....	10c	50
<b>Cypress, Monterey</b> .....	15c	1 00	<b>Yellow Locust</b> .....	10c	50
<b>Honey Locust</b> .....	10c	50			

## Fruit Seeds.

### CULTURAL DIRECTIONS.

**Apple, Pear and Quince.** The seeds of these varieties may be planted any time during the winter or early spring. Soak the seeds in tepid water for three days and change the water each day, or soak in cold water for eight or nine days, then sow lightly in drills two feet apart. The soil should be light, deeply and thoroughly tilled, and care taken not to allow it to become dry.

**Cherry, Plum, Peach, Almond, Etc.** The cultural directions given for the Walnut, so far as germinating the seed is concerned, may be followed; should, however, the quantity be small, the pits may be placed in layers in boxes placed on the ground in a sunny exposure. Sprinkle over each layer a coating of sand. Layers may be four to six deep. Keep constantly moist, but not soaking. As the young plants appear above ground they should be carefully removed and planted in nursery rows three feet apart. A cloudy day is most suitable for this work.

**Walnut.** The culture of the Walnut is the same as for all stone fruits. The seed may be planted in beds, during winter or spring, covering about one inch deep, and kept moist, but not wet, until they germinate, which will be in about three or four weeks, according to the temperature.

As soon as they crack and show the sprout they should be transplanted to the nursery rows, four and one-half to five feet apart, and six inches apart in the row. They will grow the first year without irrigation six to twelve inches, and with irrigation six inches to four feet; the second year from four to eight feet without irrigation, and about the same with it. They make a better tree to plant where irrigation is not practiced. The best aged tree to plant is two years old; not that age makes much difference, but the trees at that age are of a size that they can be seen, and no danger of getting damaged while cultivating. In careful hands, one-year-old trees are as good or better; and, perhaps, it would be better still to plant the seed where the

**FRUIT SEEDS—Continued.**

orchard tree is to be grown; but if planted in this way great care must be taken for two years, in cultivation, that they do not get trodden down and the tops broken off, which makes the orchard uneven and unsightly.

When planting two-year-old or large trees, they should be selected, planting the largest trees first, and keep on doing so until the orchard is finished. By doing so, you can get trees of a size together.

The soft-shell Walnut should be planted in orchard form, forty by forty feet. It is more upright in growth than the common Walnut, and will do as well forty by forty feet as the hard-shell will fifty by fifty.

If ordered by mail 10 cents per pound additional will be charged to cover postage. Prices subject to fluctuation.

Quotations for large quantities given on application.

	Price per oz.	Price per lb.
<b>Almond</b> , Hard-Shell [Prunus Amygdalus Communis], per 100 lbs \$12 50.....		\$0 20
Soft-Shell [Var. Prunus Amygdalus Communis]. For culture, see directions. The nuts will grow quicker if cracked.....		25
<b>Apple</b> [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 desired.....	10c	50
<b>Apricot Pits</b> [Prunus Armeniaca].....per 100 lbs., \$2.50		
<b>Cherry</b> , 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.....	10c	40
<b>Guava</b> , Strawberry [Psidium Guaiava]. A choice evergreen much esteemed for its fruit, which is now quite extensively used for making jelly; long a staple article of West Indian commerce. The fruit is small and plum-shaped, with a delicious strawberry flavor; sow in boxes and transplant when 2 inches high to pots.....	20c	2 00
<b>Loquat</b> [Eriobotrya Japonica]. A fine evergreen fruit tree. Fruit is oval, and can be used for pies. Is sometimes budded on the Quince Stock. Seed can be supplied in season. It, however, will not keep any length of time. ....	10c	40
<b>Peach</b> [Prunus Amygdalus Persica]. Peach stocks are raised by planting the stones 2 or 3 inches deep during winter. If the stones are cracked they are most sure to grow. The after-treatment is about the same as for Apples, though budding can be commenced sooner than grafting on Apple stock. Price on application.....		
Seedling [Prunus Amygdalus Persica]. Price on application.....		
<b>Pear</b> [Pyrus Communis]. The value of the Pear 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, and a foot apart in the row. The next season they will be fit to bud or graft, provided they have been well grown.....	20c	2 00
<b>Pecan Nut</b> . [Carya Oliveformis.] Succeeds well in California. Nuts olive-shaped. Yellowish brown, shell very thin; kernel sweet and delicious. Wood similar to the "Shellbark Hickory," and very valuable. Texas grown nuts.....		25
<b>Plum</b> , Myrobolan [Prunus Communis]. The varieties raised from seed will be inferior, but hardy; vigorous stock are thus afforded upon which to graft the choicest sorts.....	10c	60
Green Gage. Same culture as Myrobolan, and grown for the same purpose.....	10c	40
<b>Quince</b> [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 much used for preserves, pies, tarts, etc. The mucilage from the seed is often used as a toilet article for the hair.....	25c	2 50
<b>Walnut</b> , Soft-Shell [Var. of Juglans Regia]. Is now most in demand by growers owing to its early fruiting (six years from planting), and also having the advantage of taking up less room than the Hard Shell, and for being in most demand in the market at a higher value. [See Cultural directions.] Seed, 100 lbs., \$12.50.....		20
<b>Fresh Orange Seed</b> . Taken from ripe fruit, thoroughly washed and cleansed from pulp, packed under our own system in five pound boxes; will keep in good germinating condition for two months. One pound of orange seed contains about 1500 seeds.....		1 00

**Small Fruit Seeds.**

	Price per pkt.	Price per oz.
<b>Currant Seed</b> . Large varieties, mixed.....		50c
<b>Gooseberry Seed</b> . Large English, mixed.....		75c
<b>Raspberry Seed</b> . Finest sorts, mixed.....		50c
<b>Strawberry Seed</b> . Large varieties, mixed.....		50c
Red Alpine. This is the European Wild Strawberry. In shape long; is easily grown from seed, and considered to be superior in flavor to the cultivated varieties	25c	75c
<b>Vitis Riparia</b> [Wild Grape]. Native of the northern and central parts of the United States. Owing to the damage done to our vineyards by the "Phylloxera Vastatrix," it might be to the advantage of our vineyardists to follow the example of the French by using our wild grape as grafting stock for any varieties of grapes they may desire, as the root is said to offer a sufficient, if not complete, resistance to this pest. It has been proven that all European varieties will produce as well grafted on this stock as if grown on their own roots.....		40c



# Palms, Dracaenas, Etc.

As many of the seeds of this class of plants are not reliable unless fresh, and as the varieties reach us very irregularly from the collectors, we trust our customers will not feel disappointed if they do not receive all of the varieties they may order; we, however, promise to book such varieties which we cannot supply, and forward promptly upon arrival. As it is impossible to test the vitality or genuineness of this class of seed, we cannot hold ourselves in any way responsible for the results of crops. As many varieties of Palms take a long time to germinate, we advise patience and careful attention to attain successful results.

## PALMS.

Palms are among the finest and handsomest of all plants. In a young state they do not show their distinctive characters.



Areca Lutescens.

**Areca.** A genus of elegant pinnate-leaved Palms, which are widely distributed over the earth, some of the species being found in the East Indies, while others occur in the West; they exist also in the Islands of the Mauritius and its dependencies, in the Island of Madagascar, in New Zealand and in Australia.....

Price per 10 seeds. Price per 100 seeds.

- Baueri [Seaforthia Robusta]. Not very hardy in this climate, except under glass. A native of Norfolk Island ..... 25c \$2 00
- Lutescens, an extremely beautiful plant, with pinnate arching leaves; will not stand frost. Native of the Mascareen Islands (see cut)..... 25c 2 00
- Rubra, a fine plant for the decoration of apartments, or any situation where a graceful plant is required; the leaves are pinnate and arching, in a young state bright red, changing with age to dark green. Native of the East Indies; not hardy out of doors..... 25c 2 00
- Sapida, a handsome, hardy Palm, very similar to Kentia. Valuable for lawn planting. Native of New Zealand..... 25c 2 00

**Caryota Urens** [Himalayan Palm]. Native of India, ascending the Himalaya to an altitude of 5,000 feet, attaining a considerable height, though the temperature sinks in the cooler season to 40° Fahrenheit. This Palm is perfectly hardy in this climate and is well suited for lawn planting or for pot culture.....

25c 2 00

**Chamærops.** The various species of Chamærops are found scattered through Northern Asia, Northern Africa, North America, and the south of Europe. Chamærops Humilis is the only European Palm reaching as far north as Nice, in latitude 43° 44'. Leaves fan-shaped; fruit a berry and one-seeded.....

- Canariensis, a handsome Palm well worthy of culture, either for lawn or pot culture..... 25c 2 00
- Excelsa [Hardy Fan Palm]. This Palm grows to the height of from 20 to 30 feet; leaves fan-shaped; trunk enclosed by a dense mass of rough fibres. Native of the East Indies.....Per oz., 25c; per lb., \$2 00
- Humilis [Dwarf Fan Palm]. An extremely handsome plant. In its native habitat it attains a height of 20 feet, when it presents a splendid appearance, at other times it is not so effective; this is when it produces a quantity of suckers from the base. If desired to grow tall, all suckers should be carefully removed. Native of Southern Europe....Per oz., 30c; per lb., \$2.50
- Hystrix [Scrub Palmetto]. A slow growing glaucous Fan Palm. Native of the Southern States. The leaves are green above and silvery-gray below, edged with minute prickles; hardy..... 50c 4 00

Price per 10 seeds. Price per 100 seeds.

**Cocos.** An elegant genus of a noble order, many species of which grow to majestic proportions, and one yields that well-known fruit—the cocoanut of commerce.

- Plumosa. This species attains considerable size, rising upon a stout, straight column-like stem some forty or more feet in height. Fruit, drooping bunches of waxy flowers; which are succeeded by quantities of orange-colored nuts, enclosed in an edible pulp, in size about as large as a chestnut. Leaves are pinnate. Native of Brazil; does well out of doors in this climate..... 30c 2 50
- Romanzoffiana. Similar to the above. The leaves are long, beautifully arched, resembling a large plume. Native of Brazil..... 50c 4 00

**PALMS—Continued.**

Price per 10 seeds. Price per 100 seeds.

<b>Cocos Weddelliana.</b> This is perhaps the most elegant Palm we have in cultivation, but, unfortunately, one of the most delicate. The stem of this Cocos is slender, and clothed with a quantity of black, netted fibres; leaves are from 1 to 4 feet in length, or more, and beautifully arched. For table decoration there is no Palm to compare with it; no collection, however small, should be without it. Native of South America.....	50c	\$4 00
<b>Australis</b> [Brazilian Palm]. One of the hardiest of all Palms, hardier than even the Date Palm; withstanding, unprotected, a cold at which oranges and lemons are injured or destroyed.....	40c	3 00
<b>Bonneti.</b> A beautiful palm for decorative purposes; graceful in appearance. Thrifty grower.....	40c	3 00
<b>Campestris.</b> A hardy, handsome variety, well suited for open-air planting; is one of the most desirable of pinnate-leaved palms.....	40c	3 00
<b>Corypha Australis</b> [Livistona Australis]. This plant with age attains noble proportions; as a young plant it has stout, dark brown petioles, enclosed in a network of fibrous matter at the base, and armed at the edges with stout spines. The leaves are nearly circular, much plaited, divided round the edge into narrow segments, and dark green. Native of Australia; hardy.....	25c	2 00
<b>Erythea Armata</b> [Brahea Glauca]. One of the most elegant fan Palms, from the islands off Lower California. Leaves glaucous blue. Hardy.....	40c	3 00
<b>Edulis</b> [Brahea Edulis]. A rapid-growing variety from the Guadeloupe Islands. Fan-shaped leaves, bright green. Hardy.....	40c	3 00
<b>Geonoma Compacta.</b> A dwarf decorative Palm, quite hardy.....	20c	1 50
<b>Kentia Belmoreana.</b> This fine Palm is a valuable addition to our collections; its leaves are pinnate, dark green, and so beautifully crisp as to gain for it the name of the "Curly Palm." It is very elegant and graceful in habit; a native of Lord Howe's island, where it attains a height of 40 feet.....	40c	3 00
<b>Canterburyana.</b> This is a truly handsome species, native of Lord Howe's Island, with pinnate leaves and a very robust habit. It is called in its native country the "Umbrella Palm." It is an exceedingly ornamental plant, and well adapted for decorative purposes. Grows tall and hardy.....	70c	6 00
<b>Fosteriana.</b> In its native country this plant is known as the Thatch Palm, on account of its leaves being used in thatching houses. It is a robust-growing species, often attaining a height of from 40 to 50 feet. Leaves pinnate, and very deep green; native of Lord Howe's Island.....	50c	4 00

**Latania Borbonica.** Native of the Isle of Bourbon. Leaves large, fan-shaped, armed edges, and enveloped at the base in a network of brown fibrous tissues. It is a beautiful lawn plant, and when grown in large tubs or pots, this Palm is the one best suited, and most largely used, for the decoration of hotel verandas. Hardy...Oz., 25c; lb. \$2.50

**Oreodoxa Regia** [Royal Palm]. Native of Cuba. This noble palm attains a height of 60 feet. Leaves pinnate. Is largely grown for house decoration, but can scarcely be considered hardy out of doors here..... 20c 1 50

**Phoenix Canariensis** (see cut). An elegant and most hardy variety of the Date Palm, much used around Los Angeles for lawns. Very handsome and durable..... 15c 1 00

**Dactylifera.** The Date Palm; is an erect, handsome Palm, with long, pinnate, dark green leaves. It will withstand a lower temperature than perhaps any other Palm. It is, in fact, a majestic plant, and worthy to be planted in every garden. Native of Northern Africa and Tropical Asia, where the Palm attains a height of 80 feet. Lives to a great age, and yields the Date fruit of commerce. Hardy.....Oz., 10c; lb. 75c



Phoenix Canariensis.



**PALMS—Continued.**

Price per 10 seeds. Price per 100 seeds.

- Phoenix Reclinata.** A very fine, large-growing species; the stem becomes stout and tall with age. Leaves pinnate. Largely used in Nice, Cannes and in the South of France for avenues; also the best for that purpose here, as it will stand severe frosts. A native of the Cape of Good Hope. Hardy..... 20c \$1 50
- Rupicola.** This is one of the most exquisitely graceful Palms, and in elegance takes a similar place to that of *Cocos Weddelliana*. It is of acaulescent habit, with wide-spreading, arching, pinnate leaves; a most valuable acquisition. Native of the East Indies. Hardy..... 20c 1 50
- Sylvestris.** This is sometimes called the Wild Date. It resembles *Phoenix Dactylifera* somewhat, but is more lax in its growth. Very hardy, but not to be compared with *P. Dactylifera* or *Reclinata*. Native of the East Indies..... 20c 1 50
- Tenuis.** This is a very hardy, elegant and desirable variety of Date Palm, with long, bright sea-green leaves; much used here for lawn planting..... 20c 1 50
- Ptychospermum Alexandræ** [The Alexandra Palm]. This is an extremely handsome Palm, although a somewhat slender-stemmed species. Leaves pinnate and beautifully arched, light green. Native of Australia, where it attains a height of 100 feet. This variety will not stand much frost, but is very ornamental for pot culture..... 25c 2 00
- Sabal Palmetto** [Cabbage Palm]. A native of our Southern States; it attains a height of 50 feet, with a diameter of 12 to 15 inches. The timber is said to be valuable in ship building, being indestructible in salt water, and not attacked by the teredo. The leaves are five to six feet long, and are used in the manufacture of hats (palm leaf), baskets and mats; the young unexpanded leaves constitute one of the most delicious vegetables for the table..... 20c 1 50
- Adansonii** [Dwarf Palmetto]. Extremely slow-going species, very seldom having an erect stem. Native of Southern States of America..... 20c 1 50
- Umbraculifera** [Savannah Palm]. A native of the West Indies, attaining a height of 80 to 100 feet. Though naturally a tropical Savannah Palm, it has proved even harder than the Orange..... 20c 1 50
- Seaforthia Elegans.** One of the most beautiful of the Palm family, and one of the finest subjects in cultivation for the conservatory, greenhouse or sub-tropical garden. Height 20 feet. Leaves from two to ten feet in length, dark green. It stands quite a low temperature. Native of New South Wales..... 20c 1 50
- Washingtonia Filifera.** Our own now well-known California Fan Palm, which also goes under the names of *Pritchardia Filamentosa* and *Brahea Filamentosa*. This variety is one of the very finest of Fan Palms, attaining a large size; is very hardy, and should be planted everywhere. Fine for avenues, being of rapid growth, and bright, healthy appearance. Is much grown as a pot plant in Eastern cities..... Oz. 20c; lb. \$2.00

**SEEDS OF DECORATIVE PLANTS.**

**Agaves.** Six fine varieties, viz., *Deserti*, *Lechequilla*, *Palmeri*, *Schottii*, *Shawi*, *Virginica*, each per pkt. 25c. One packet of each of above varieties for \$1.

**Dracæna Amabilis.** The ground color of the leaf is glossy green, becoming beautifully marked and suffused with pink and creamy white..... 25c 1 50

**Australis.** [Cordylina]. A palm-like tree growing to a considerable height; the stem is stout, leaves from two to three feet in length, oblong, lanceolate and bright green; splendid for avenues, native of New Zealand. Pkt. 25c; oz. \$1.

**Draco.** Yields the dragon's blood resin; the stem of this species is stout at the base; leaves are closely set, eighteen inches in length and two broad, thick and fleshy, dark green, and ending in a long, thin unarmed point. A fine, massive ornamental species, one that is a superb ornament to any semi-tropical garden; native of South America; hardy. Pkt. 25c; 1000 seeds, \$5..... 75

**Indivisa.** [Cordylina Indivisa]. (See cut). Sometimes called *Dracæna Stricta*. A most graceful palm-like tree, suitable for decoration either in or out of doors. Leaves are from two to four feet in length, and one to two inches in breadth, tapering to a point, pendant and dark green. Fine for avenues. Native of New Zealand. Oz. 40c; lb. \$4



*Dracæna Indivisa.*

**SEEDS OF DECORATIVE PLANTS—Continued.**

	Price per 10 seeds.	Price per 100 seeds.
<b>Dracæna Indivisa Lineata.</b> Oz. \$1.25.....		\$0 20
Latifolia. 1000 seed \$2.....		25
Latifolia Major. 1000 seeds \$3.....		40
Veitchi. A beautiful variety. 1000 seeds \$2.....		25



Abyssinian Banana.

<b>Musa Ensete.</b> [Abyssinian Banana]. (See cut). Native of Abyssinia in mountain regions. This magnificent plant attains a height of 30 feet, the leaves occasionally reaching the length of 20 with a width of 3 feet. This plant produces no suckers and requires several years to come into flower and seed, then it dies off like the Sago Palm, the Caryota Palm and others which flower but once without reproduction from the root.....	\$0 30	\$2 50
<b>Strelitzia Augusta.</b> A handsome stately plant native of the Cape of Good Hope; has large, pale, green leaves and singular, richly colored flowers. If given a protected situation on the lawn it will thrive and be much admired for its tropical appearance.....	1 00	8 00
Reginæ. Orange and purple.....	1 00	8 00
<b>Yuccas.</b> Assortment of six varieties for \$1.00 Each variety separate. Per pkt. 25c.		
<b>Yucca Quadricolor.</b> A large and magnificent kind. Leaves are stout, spreading horizontally and tapering to a point, where they are armed with a sharp spine from one to two inches in length. The upper surface creamy yellow, in the center tinged with crimson and orange yellow and broadly bordered with dark shining green. Native of Mexico. Hardy. 1000 seeds \$2.....		25

**SUMMER FLOWERING BULBS.**

[Our Fall Bulb Catalogue is published annually, about the first of September, and is mailed free to all our customers, and to others on application].

	Price each.	Price per doz.
<b>Amaryllis.</b> A beautiful class of plants of the easiest possible culture. May be grown in the open border, or in pots. Plant in spring, covering the bulb so that the neck will be even with the surface of the soil.....		
Bella Donna. "Bella Donna" Lily. Beautiful rosy purple, flowering before the leaves appear.....	\$0 50	
Formosissima. "Jacobean Lily." Velvety crimson, very striking and beautiful...	20	\$2 00
Johnsonii. Flowers of various shades of red, striped white, nearly 5 inches in diameter, of easy growth. Strong bulbs.....	1 00	
Purpurea. [Vallotta]. Splendid bright scarlet. A good variety for pot culture...	1 00	
Vittata, mixed. Most beautiful shades, and coloring, extra choice.....	1 00	



**SUMMER FLOWERING BULBS—Continued.**

<b>Anemone.</b>	A beautiful and showy flower, of neat and compact growth, with elegantly cut foliage. May be planted any time from November to March. Plant 3 inches deep, in light rich soil.....		Price per doz.	Price. per 100.
Double.	Bright scarlet.....	\$0	40	\$3 00
	King of Scarlets. Dazzling scarlet .....		40	3 00
	Mixed. Various colors.....		30	2 25
Single.	Fulgens. [Scarlet wind Flower] .....		40	3 00
	Scarlet.....		25	1 50
	The Bride. Pure white.....		40	3 50

<b>Begonias.</b>	Tuberous-rooted. Single varieties. Fine mixed.....	\$0	25	\$2 50
	Double varieties. Fine mixed.....		75	7 50

This new class of Begonias, producing large brilliant-colored flowers as showy as Tulips, and blooming profusely until frost, has proven to be just what was wanted for beds wholly or partially shaded. The flowers are large, erect, rising well above the foliage, of the most brilliant colors, scarlet predominating, and are produced abundantly, being a mass of bloom until the very end of the season. The tubers may be planted in March or April.



Calla Ethiopica.

**Calla Ethiopica.** "Lily of the Nile." (See cut). Well known and valued for its large, pure white flowers. Useful as a bedding plant, or for forming hedges, flowering very freely out of doors in this climate. Also will succeed well grown in water.

Extra sized roots.....	10	1 00
Good sized roots.....	5	50

**Cannas.** "Indian Shot." Very effective on lawns, or as backgrounds to borders.

<b>Ehemannii.</b> The finest of the species. Rich crimson flowers, with fine, massive foliage.....	20	2 00
Fine new French hybrids. Mixed...	10	1 00

**Colocasia** Esculentum. A tropical plant, growing to a height of three or four feet, with corresponding breadth. The leaves are of immense size, often eighteen inches by two feet. As a single plant for lawn or large flower borders it has no superior. Commonly called "Elephant's Ears."

First size bulbs.....	40	4 00
Second size bulbs.....	25	2 50

**Dahlias.** We have a fine collection of Dry Tubers of this gorgeous flower. Should be planted in deep, well-drained soil, and when large enough should be staked and tied. Hardy in Southern California.

Double, large flowering, all colors.....	25	2 50
Bouquet or Pompon, all colors .....	25	2 50
Single, all colors .....	25	2 50

**Gladiolus.** No class of hardy bulbs can equal the brilliancy and diversity of this beautiful genus, comprising, as they do, almost every shade of white, pink, scarlet, yellow, etc. They do exceedingly well in this climate, and their culture is very easy, merely requiring to have the soil well broken up and a liberal quantity of decayed manure dug in, planting the bulbs three inches deep. As cut flowers they have much to recommend them, and will continue in all their brilliancy for ten or twelve days if put in water, developing every unopened bud. When it is required to have a succession of flowers, they may be planted at intervals from March to June.

White and light shades, extra fine mixed.....	15	1 25
Pink and rosy shades, extra fine mixed.....	10	1 00
Red shades, extra fine mixed.....	10	1 00
Yellow shades, extra fine mixed.....	15	1 50
All shades, extra fine mixed.....	Per 100, \$7.00	10 1 00
Good mixed .....	Per 100, \$3.50	5 50



**SUMMER FLOWERING BULBS—Continued.**



Lilium Auratum.

**Liliums.** Culture in open ground. Any good garden soil will answer, providing it be free and well drained. Dig well, add some sand and well-rotted manure (except for Auratum, which will not bear manure) and plant about five inches deep. Each autumn a top dressing of well-rotted manure should be carefully forked in between the rows.

Culture in pots. Put plenty of drainage in the bottom of the pot, adding over this some charcoal, moss or fibrous peat to secure good drainage; then fill up with compost, consisting of good, rich soil, peat and river sand; place the bulbs firmly on this and cover them about one inch below the surface; give no water until the plants appear above ground, then water freely. Re-pot as soon as the stems die down, giving an entire change of soil.

In California the Lily may be planted any time during the winter or spring, or as long as the bulbs are in good condition. When planted too late in the season they are apt not to flower until the following spring—the grower, however, may feel certain of ultimate success.

**Lilium Auratum.** "Golden Banded Lily." (See cut). The finest and most magnificent of the genus. Flowers white, spotted crimson, with a distinct golden stripe running through each petal.

First size bulbs.....	\$0 30	\$3 00
Second size bulbs.....	20	2 00
<b>Candidum.</b> "Annunciation Lily." Pure white, fragrant. A well known garden favorite.....	15	1 25
<b>Harrisii.</b> "Bermuda Easter Lily." Flowers large, trumpet-shaped, pure white and very fragrant. Perfectly hardy, of easy culture and one of the finest plants for border decoration. Can also be forced to bloom at any required season. Is largely used at Easter.		
First size bulbs.....	25	2 50
Second size bulbs.....	20	2 00
<b>Humboldtii.</b> A native variety, 4 to 5 feet high, orange colored, with dark spots.....	50	
<b>Lancifolium Album.</b> "White Japan Lily." Pure white, very fragrant.....	25	2 50
<b>Lilium Lancifolium Roseum.</b> White, spotted pink.....	25	2 50
<b>Rubrum.</b> Crimson spotted.....	25	2 50

The varieties of Lancifolium are very handsome and distinct. They are the well known "Japan Lilies."

**Madeira** or Mignonette Vine. [Boussingaultia Baselloides]. A perennial climber in Southern California, with fleshy, glossy, light green leaves, and racemes of small, fragrant, white flowers. In colder districts, when frost has killed the tops, the tubers should be lifted and stored in a dry room or cellar till the following spring. Large tubers.. 10 1 00

**Montbretia** Crocosmeflora. Bulbs of comparatively recent introduction, bearing long spikes of showy, orange-colored flowers, spotted with purple. Very brilliant and showy.. 10 1 00



**SUMMER FLOWERING BULBS—Continued.**

**Ranunculus.** (See cut). Showy, brilliant plants, with double flowers, resembling Bouquet Dahlias, and admirably suited to Southern California. Plant 2 inches deep, and 3 inches apart, in light, rich soil, any time between November and March.....

	Price per doz.	Price per 100.
Persian. Finest mixed.....	\$0 20	\$1 00
Turban or Turkish. Finest mixed.....	20	1 00
French. Finest mixed.....	20	1 00

**Tigridia.** "Mexican Tiger Flower." Flowers of exquisite beauty. Of singular shape, only lasting one day, but succeeded regularly by other flowers, daily through the season. Plant in spring, when the ground has become warm.

After the foliage has died down, lift the bulbs, and store in a dry place. Care should be taken against mice, as they are very fond of these bulbs.



Ranunculus.

**Conchiflora.**

"Shell Flower"	Price each.	Price per doz.
Orange, spotted black.....	\$0 15	\$1 25
Grandiflora Alba.		
White, spotted reddish brown.	15	1 25
Pavonia. Scarlet, spotted yellow.	10	1 00



Tuberose "Polianthes Tuberosa."

	Price per doz.	Price per 100.
	10c	75c

**Tuberose** "Polianthes Tuberosa." (See cut). One of the most beautiful summer and fall flowering bulbs in cultivation. Flowers pure white, and of exquisite fragrance. Admirably adapted for cut flowers, and of easy cultivation. Plant in open ground, when the soil has become warm. May also be started indoors in pots, earlier, and afterwards planted to where they are to flower. Hardy in Southern California

**Double Pearl.** Far superior to the old double variety, growing only about two feet high, with large individual double white florets, which have longer footstalks than the old variety, rendering them more useful for cut flower purposes. Large bulbs.....

	10c	75c
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# Agricultural and Horticultural Requisites.

## INSECT, BLIGHT AND VERMIN DESTROYERS.

We take pleasure in offering the following tried remedies for the destruction of Insects; they not only destroy, but promote a vigorous growth to the plants.

**Buhach** [Persian Powder]. Our superior grade is made from buds and half-open flowers of Pyrethrum Cinerariifolium. The cheap grades made from open flowers and stems are almost worthless. It is resinous, impalpable and non-poisonous, and kills all sorts of insects and worms by filling up the pores and acting on the skin. It is so fine it penetrates hidden crevices when blown on with a gun or bellows, and many Southern cabbage growers say it is the only effectual remedy for the cabbage worm. Apply when everything is dry, as moisture destroys its properties. Price, per 1/4 lb., 35c; per lb., \$1.00. [Special price given in large quantities.]

**California Orchard Soap.** May be used at any time during the year; it is not injurious to trees and other plants nor to human life; it may be used in hot as well as in cold water, or in combination with flour paste; in this combination it frees the trees, etc., from any kind of scale insects or from fungus growth at once. Circulars upon application. Sold in 1 lb. cans, 25c, and in 5 gallon cans at \$3 each; in barrels at 6c per lb.

**Fir Tree Oil.** This new insect destroyer has proved to be one of the most reliable for red spider, green fly, mealy bug, scale, ants, thrip, onion fly, caterpillars, slugs, blight, etc. Dilute with water and apply with ordinary or bellows syringe, or by dipping the plants. One of the most valuable insecticides. Price, per 1/2 pint, 50c. [Larger quantities at special prices.]

**INSECT, BLIGHT AND VERMIN DESTROYERS—Continued.**

- Flour of Sulphur.** American. Prevents and cures mildew on Roses, Grapes, etc. Apply with a gun or bellows while the leaves are damp. Price, per lb., 5c; per 100 lbs., \$2.50.  
 Imported, French. Of greater strength than the preceding. Price, per lb., 10c; per 100 lbs., \$2.50.
- Genuine Paris Green.** Unexcelled for potato bugs and other insects that eat foliage. Price, in 1 lb., 2 lb. and 5 lb. boxes, 35c per lb. [Larger quantities at special prices.]
- Hammond's Slug Shot.** An impalpable powder, containing agents that will destroy the Cut Worm, Potato Bug, Chinch Bug, Rose Bug, Rose Slug, Curculio, and all Lice, Worms or Caterpillars upon Cucumbers, Squash or Grape Vines, Tobacco, Cotton or Egg Plant, Currants, Fruit or Ornamental Trees, and all Shrubs and Flowering Plants. It is an excellent fertilizer; plants upon which it is used will grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age.  
 On low growing plants it should be dusted on with a very fine sifter. On tall Shrubs and Trees it should be applied with the Double and Single Cone Bellows. Price, per lb., 10c; per 100 lbs., \$7.50.
- Mildew Preventive.** A fluid for preventing and destroying mildew. One pint is sufficient for 18 gallons of water. Apply with an ordinary or bellows syringe. Price, per bottle, 75c.
- Ongerth's Insecticide, No. 1.** Stops spread of the Curly Leaf on Peach trees. Kills Mildew, Black Smut, etc. In 1 lb. cans, with sifter attached, each 50c; in 4 lb. cans, without sifter, per can, \$1.00.
- Ongerth's Insecticide, No. 2.** Prevents and destroys all fungus disease in vineyards, such as Mildew, Coulure, Mal Nero, etc. No other remedy, nor sulphur need be applied. Where this powder has been used the cleanest, finest grapes have been produced, which is of greatest importance to raisin growers and wine-makers. Sold in barrels of about 250 lbs. at 10c per lb. Less quantity, 15c per lb.
- Tobacco Dust.** Kills green and black fly, etc. To be dusted or blown on the foliage while moist. Per lb., 20c.
- Tobacco Soap.** Makes an excellent wash for plants and trees infested with green fly, lice and eggs of insects. Dissolve 2 oz. in a gallon of water. Price, per lb., 30c.
- Tobacco Stems.** For fumigating plants infested with green fly. Price, per sack, 50c.
- Whale Oil Soap.** Makes an excellent wash for trees and plants, kills insects and eggs on the bark. Price, per lb., 20c; 2 lbs., 35c; 5 lbs., 75c.
- The Famous Invincible Squirrel Exterminator.** This new preparation is well and favorably known in the vicinity of Los Angeles. Will do its work effectually, destroying *Squirrels*, *Gophers* and other vermin. Directions for use. For *Squirrels*, scatter from the hand a teaspoonful from 3 to 6 feet from the hole, when vegetation is either green or dry. The poison attracts them, and kills them outright on top of the ground. For *Gophers*, excavate to runway and place a teaspoonful therein, then cover immediately. The poison will not evaporate, and is only injured by rain. Price, 1½ lb. cans, 50c; 3 lb. cans, \$1.00; 7 lb. cans, \$2.00; in 5 gallon cans, 25c per lb.

**INSECTICIDE APPLIANCES.**

	Each.
<b>Atomizers.</b> Glass, with Rubber Ball.....	\$0 35
<b>Bellows.</b> Used for dusting plants, with sulphur, slug shot, tobacco dust, etc .....	1 25
<b>Guns,</b> for applying Persian insect powder. Small size.....	10
Jumbo. Large size.....	25



Climax Pump Sprayer, No. 2.



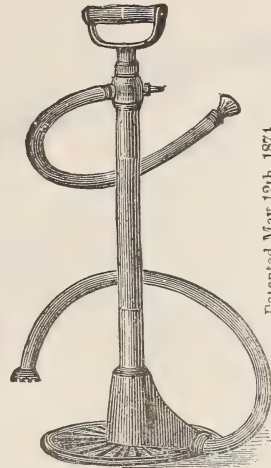
Little Climax Sprayer.



## SPRAY PUMPS.



Climax Pump Sprayer, No. 3.



THE EXCELSIOR PUMP.

Patented May 12th 1871.

**The Little Climax Sprayer** (see cut). Our smallest complete Spray Pump. It is made of iron and brass, all parts that have to bear any considerable strain being malleable. The pump is firmly bolted to a strong iron base, supported on three legs made of gas pipe. These legs are unscrewed, and the pump is put in a small, neat box for shipping; and they are easily screwed into place by the purchaser. The legs are turned out at the bottom sufficiently to make them stand firmly. We furnish with this pump four feet of  $\frac{1}{4}$ -inch cloth insertion, rubber tubing and two climax nozzles; also, suction hose, as shown in the cut, to draw the liquid from the bucket or other vessel, as the case may be. We also furnish the rod for holding the hose, as shown in the cut; with this the Spray may be thrown straight upward, out at any angle desired, or horizontally, without touching the hose or turning a screw. We especially recommend this pump for spraying in green-houses, flowers and shrubs on the lawn, or for garden and small orchard work. All who try this pump will be more than pleased with it. Price, complete, \$12.50.

**Climax Pump Sprayer, No. 2** (see cut). This pump is made entirely of iron and brass, all parts that have to bear any strain being malleable iron. The legs are made of gas pipe and screw firmly into the base. This pump can be taken apart and shipped in a very small box and easily set up by the purchaser. It can be attached to any kind of vessel or tank by means of our brass connections, in ten minutes; or the suction hose can be dropped into a barrel, trough or cistern with equal success. We sell this pump complete, with twenty feet of hose, sixteen feet discharge, four feet suction, two nozzles, and the necessary connections for it. Similar in appearance to Climax Pump, No. 3, with the exception of being a little lighter and having but one discharge orifice. Price, complete, \$17.50.

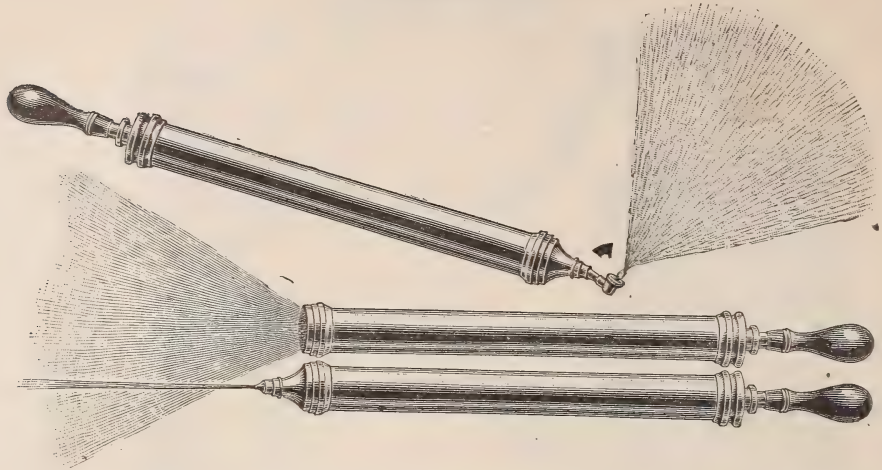
**Climax Pump Sprayer, No. 3** (see cut). Valuable for orange orchards, etc. It has two discharge orifices, and is supplied with two lengths of discharge hose, each  $16\frac{1}{2}$  feet long, and four nozzles. This pump can be used in all cases where a spray or solid stream is desired, and is capable of throwing a spray nearly as fine as mist, twenty feet in the air, or a solid stream fifty feet. This pump will be especially appreciated by all who desire to spray orchard trees rapidly, but are not able to purchase one of our higher priced machines. A single hose may be used at a time, if desired, by unscrewing the other hose and attaching cut-off furnished with pump. This is one of the most powerful and easy working pumps on the market. We warrant all of the above machines. Price, complete, \$25.00.

Extra Nozzles for either of the above, \$1.50 each.

**Excelsior Pump and Portable Fire Engine** (see cut). This compact, portable engine can be used for horticultural purposes, etc. All its working parts are of brass, and of easy access to the valves, which can be cleansed at any time. It will draw the water from a stream, tank or pail, near by or at a distance, is of simple construction and easily worked, throwing a continuous stream 50 feet. It has 3 feet of suction and 2 feet of discharge hose. \$8.50. Extra hose, 20c a foot, and hose coupler, 50c additional.

**Lewis's Combination Force Pump.** Endorsed by all leading entomologists. Will thoroughly spray a ten-acre orchard in a day. It makes three complete tools, viz: a Combination Force Pump, an Agricultural Syringe, also a Veterinary Syringe. Made of brass, and will throw water 50 feet. Price, complete, \$4.50.

**SYRINGES.**



**Syringes.** Brass. Of the best American make and of various sizes and patterns, fitted with roses for ejecting water in one stream, or in a fine or coarse spray. They are strongly made, of the best workmanship, and far superior to the common light imported Syringes.

A. A.	Length of barrel, 7½ inches; diameter, ½ inch. For parlor use.....	\$1 25
A.	(See cut). With one stream and jet.....	2 00
C.	Length of barrel, 14½ in.; diameter 1 5-16 in., with one stream and jet.....	3 50
D.	Length of barrel, 15½ in.; diameter 1½ in., with one stream and jet.....	4 00

The above Syringes are all of one pattern, but of increasing length and diameter. We recommend them as efficient, attractive and cheap.



No. 12



No. A



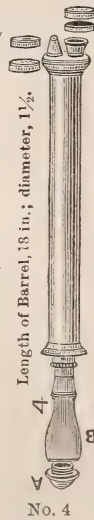
No. 0



No. 2



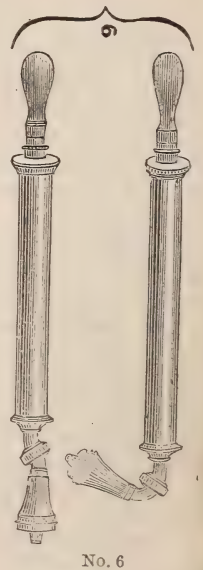
Nos. 3 & 11



No. 4



Nos. 5 and 10



No. 6

<b>Syringes.</b>	No. 0. (See cut). With one spray rose, fast end, large holes. Specially adapted for throwing whale oil soapsuds.....	\$2 50
	No. 1. Length of barrel 12½ in.; diameter, 1 5-16 in. A ladies' Syringe, with one spray rose 2 50	
	No. 2. (See cut). Ladies' Syringe, with jet and two spray roses, which, when not in use, are screwed on the sides of the barrel, as shown in cut.....	4 00
	No. 3. (See cut). Best Plate-valve Syringe, large size, with one stream and two spray roses, with side pieces on barrel.....	6 00
	No. 4. (See cut). Best Conical-valve Syringe, large size, with one stream and two spray roses, which are placed, when not in use, in the handle of Syringe. The handle is strongly mounted with a solid brass cap and ring. The finest spray should only be used in very clean water.....	6 50

Price each.



	Price each.
<b>Syringes.</b> No. 5. (See cut). Best Conical-valve Syringe, large size, with one stream and two spray roses. This Syringe is generally used by florists and horticulturists. Side pieces on barrel.	\$6 50
No. 6. (See cut). Best Conical-valve Syringe, large size, with one spray rose and goose-neck angle-joint, turning in all directions, for washing the under surface of the leaves of plants and flowers, cleansing them from insects, etc. Length of barrel, 18 in., diameter, 1½ in.	7 00
No. 7. Best Conical-valve Syringe, large size, with one stream and two spray roses, with knuckle joint, turning in all directions, for the same purpose as No. 6, with side pieces on barrel. Length of barrel, 18 in.; diameter, 1½ in.	8 00
No. 8. Best conical valve, with cross handle and one spray rose, 10 in. long and 1¾ in. in diameter	7 00
No. 10. Same as No. 5, but of lighter material.	5 50
No. 11. Same as No. 3, but of lighter material.	4 50
No. 12. (See cut). Two spray roses and jet; 14 in. long, diameter 1 in.	3 00
"Eclipse." Throws a continuous stream or spray, as desired. Price, with 4 ft. of hose, \$6.00; or, with elbow joint for sprinkling under the foliage.	6 75

**GARDEN HOSE AND ATTACHMENTS.**

We have a large stock of Hose of different brands at low prices. We do not cut any less length than 25 feet, and all Hose is cut to a multiple of 25 feet, such as 25, 50, 75, 100, and so on.

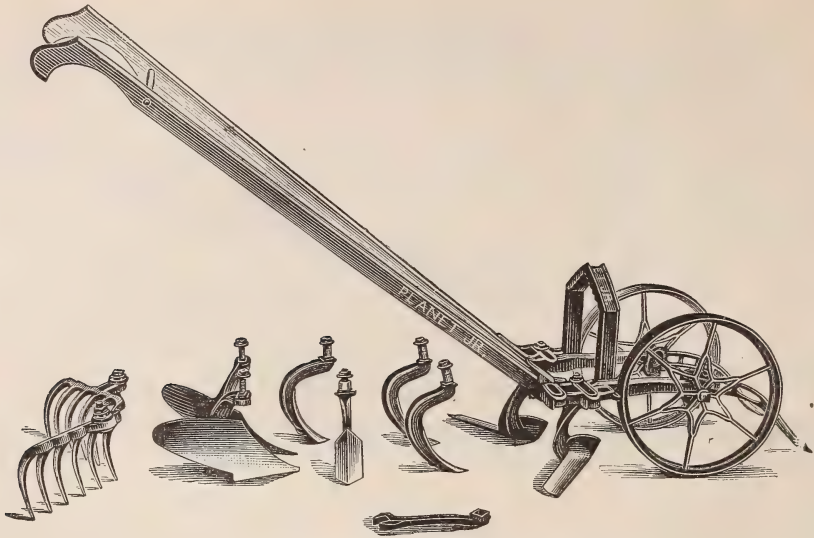
<b>Cotton Hose.</b> ¾ in. diameter.....	per foot	10c
<b>Rubber Hose.</b> ½ in. diameter.....	per foot	10c
<b>Competition.</b> ¾ in. diameter.....	per foot	10c
<b>Rubber Hose,</b> 3-ply. ¾ in. diameter.....	per foot	15c
4-ply. ¾ in. diameter (according to quality).....	per foot	15, 16, 18c
Wired. ¾ in. diameter (according to quality).....	per foot	15, 25c
Very heavy black. ¾ in. diameter.....	per foot	20c
Carbonized. ¾ in. diameter (very durable).....	per foot	25c
4-ply. 1 in. diameter.....	per foot	20c
<b>Hose Couplings, brass.</b> 1 in. ....	each	25c
¾ in. ....	each	35c
<b>Menders, wood</b> .....	per doz.	50c
Iron. ¾ in. ....	per doz.	\$1.00; each 10c
<b>Nozzles, brass</b> .....	each	50 and 75c
<b>Reducers</b> .....	each	25c
<b>Rubber washers</b> .....	per doz.	10c
<b>Reels or Trucks, on wheels, wooden</b> .....	each	\$2 00
<b>Reels or Trucks, on wheels, top in one piece</b> .....	each	2 50
<b>Reels or Trucks, on wheels, iron</b> .....	each	3 00

**"Planet Jr." Labor Saving Garden Tools.**

**FOR HAND USE.**

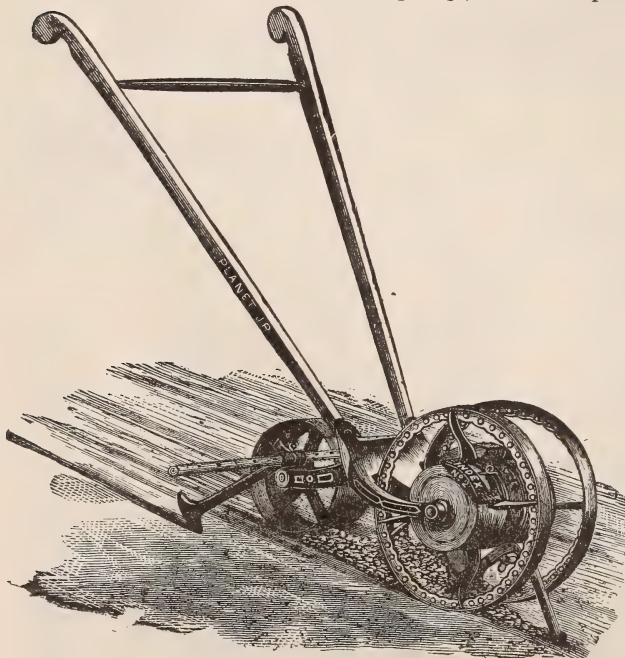
These are the most perfect garden tools made, and have long been the most popular. They are known the world over, and beyond question are the most complete in equipment and most practical and labor-saving in the field that have yet been invented. Our special "Planet Jr." Catalogue, fully illustrating and describing the different sorts of work accomplished, free on application.

**The "Planet Jr." Double Wheel Hoe.** (See cut). Cultivator, rake and plow combined. This exceedingly useful and popular tool has this season the extensive outfit shown in this illustration. All the blades are steel, hardened in oil, tempered and polished. The tool is especially adapted to save the labor of the Market Gardener, Onion Grower, Nurseryman and Root Grower. The changes from one form to another are easily and quickly made, and changes in depth of width also. The tool is light and strong; can be used by man or boy, and in much of the most tedious and particular work it does as much as six to ten men with the common hand hoe, and with half the labor. You can hoe or plow to or from; cultivate, rake, etc., deep or shallow, safely when plants are just coming through the ground, and until they are fifteen inches high, and all the time both sides at once or between the rows, at the speed of a moderate walk. The rakes level and fine the ground for planting; gather stones and trash; cultivate plants when small, cover seeds, etc. The hoes cut close and clean, killing every thing they meet, leaving the ground nearly level. The cultivator teeth mellow the soil deep or shallow, and are useful for marking out rows for plants, seeds, sets, etc. The plows lay out deep furrows and cover them, and hill up or plow away, as desired. The leaf guards in front are just the thing needed when hoeing large plants, such as Beets, Carrots, Parsnips, Beans and Peas, enabling you to cultivate them perfectly, when otherwise the leaves would be torn off and the plant seriously injured. They are detachable. Price, \$8.00.



The "Planet Jr." Double Wheel Hoe.

**The "Planet Jr." No. 2 Seed Drill.** (See cut.) This standard drill holds two and one-half quarts. It sows all garden seeds accurately any desired thickness or depth. It opens, drops, covers and rolls down and marks the next row, all at one passage, in the most perfect and reliable manner. Its construction is

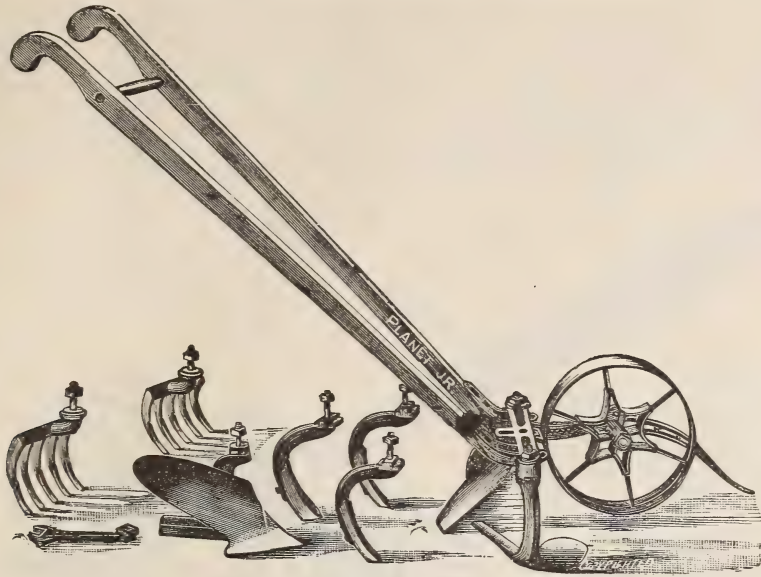


The "Planet Jr." No. 2 Seed Drill.

simple; it has neither cogs, cams, springs, brushes, levers, chains, belts nor shakers to wear out, run hard or get out of order; nor are its stirring devices in any way dangerous to the vitality of seeds. The seed hopper revolves with the wheels, having in its center a spring brass drum, with twelve discharge openings, easily regulated all at one time to the proper size. Each one of these is covered by a bucket or shield, in such a manner as to cause the drill to sow a *single thimbleful* of fine seed with regularity for the distance of one hundred feet, yet it will sow *five pounds* of seed with the same perfection. The continual revolution of this hopper keeps the seed in a most perfect and loose condition, and makes the sowing of such difficult seeds as carrots, parsnip, beet, salsify, etc., easy and satisfactory. The machine operates without noise, and the opening, covering and rolling down are automatic and perfect. The plow is directly between the wheels, and therefore opens the furrow at a perfectly regular depth; and the covering is also for the same reason very accurate. Seeds can be put in one-eighth or one-quarter of an inch deep with entire regularity, an important point in the sowing of delicate varieties. The roller can be used to roll light or heavy, or entirely removed. The seed index has upon it the names of the principal seeds, and the discharge openings can be set in a moment. The combination of the necessary good points is so completed that we can assure our customers that it will give them every satisfaction. Price, \$10.00.

**The "Planet Jr." Single Wheel Hoe.** (See cut.) Cultivator, rake and plow combined. Great strength, easy running, simple combinations and variety of attachments, are striking features of this implement. The full equipment is shown in the cut. All the blades are steel, hardened in oil, tempered and polished. The wheel has an extra broad face, and is readily raised and lowered, and can be attached at one side of the frame so that one can cultivate both sides of a row of small plants at one passage. As with the Double Wheel Hoe the rakes level the ground, gather the trash, cultivate, etc.; the curved hoes work closely and safely, deep or shallow, while the plow opens furrows, covers and plows, to and from, as desired. The cultivator blades work admirably, especially in deep work, and also mark out rows for garden crops, while the leaf guard is invaluable for work among large plants. All rows from six to eighteen inches apart can be perfectly hoed at one passage, and this tool, though not as well adapted to large fields of garden crops as the

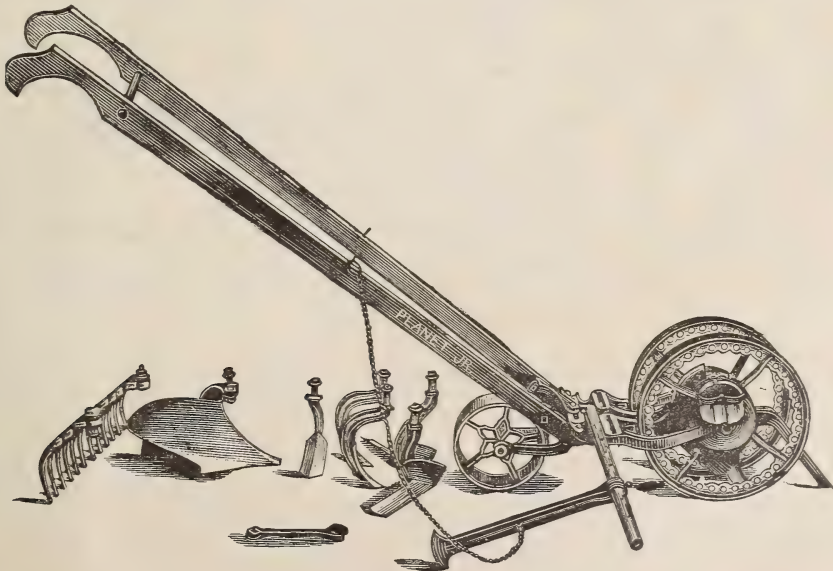




The "Planet Jr." Single Wheel Hoe.

Double, is still a great favorite with many for that class of work. For the home vegetable garden, its work is exactly what is needed for the easy cultivation of crops without the aid of a horse. Its lightness, strength and simplicity recommend it to all who examine it. Price, \$6.00.

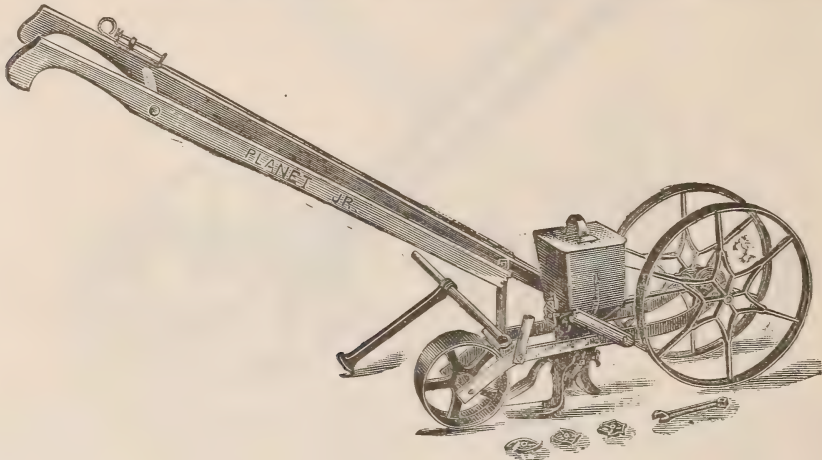
**The "Planet Jr." Combined Drill, Wheel, Hoe, Cultivator, Rake and Plow (see cut).** This tool is unquestionably the most popular, as it is the most perfect machine of its kind made. It is unrivaled in design, finish, convenience and capacity for work. As a seed drill it is the same as the No. 2, except in size; it holds one quart. The tools sent out with each machine are shown in the cut. All the blades are steel, hardened in oil, tempered and polished. The curved rakes are invaluable in preparing ground for planting, and for delicate after-cultivation of the crop, and for covering seeds, etc., etc. The hoes work closely and safely both sides of the row at once, when plants are small, and between them when large,



The "Planet Jr." Combined Drill.

working all rows up to sixteen inches wide at one passage, leaving the ground nearly level. The plow opens furrows and covers them, hills, plows to and from, etc. In small gardens, where a horse is seldom used, it is invaluable for working the coarser crops, such as corn, cabbage, potatoes, celery, etc. The cultivator teeth are made after an admirable model, and when worn out at one end are readily reversed, when they work as good as new; are admirably adapted to deep mellowing of the soil. The teeth can be used for marking out two rows at once, up to eight inches apart; and one for marking out sets, plants, and large seeds. Price \$12.00.

The "Planet Jr." Hill Dropping Garden Seed Drill (see cut), for Rows or Hills. This machine not only sows in rows, but in hills. It opens, sows, covers, rolls down, and marks the next row, all at one operation. The hopper holds two quarts, and is adapted for all conditions of land, working well in fresh ground, or when planting on a ridge, as it has two fifteen-inch driving-wheels, placed six inches apart. The most important feature of any drill is even sowing, and in that this machine excels. It is set for the different seeds, with the greatest accuracy, by a neat thumbscrew, which regulates the flow by a rod connecting the seed index, or dial, with the discharge opening. This dial contains the names of all the principal seeds, and is in plain sight and within easy reach. To sow any particular seed, it is only necessary to



"Planet Jr." New Seed Drill, Hill-dropping.

move the index finger (by the thumbscrew) till it is opposite the name of the seed to be sown. The flow of seed may be stopped instantly by a single movement of the thumb, and a reverse movement will again set it going. The opening plow is adjustable, and the coverer oscillating, and the marker makes a clear line for rows, any required distance up to 20 inches. It sows in a continuous row, with the greatest regularity, and it will drop neatly in hills, either 4, 6, 8, or 12 inches apart. The distance is regulated by the number of teeth on the four different feed-wheels, which insure regular dropping of the seed at the exact distances required. The change from hill to drill work is done in a moment, by hooking up the cut-off, and from drill to hill by releasing it. This machine is especially adapted for sowing Sugar Beet, Mangel, Carrot, Turnip, or any other seeds, which eventually have to be thinned out to a certain distance apart. Price \$12.50.

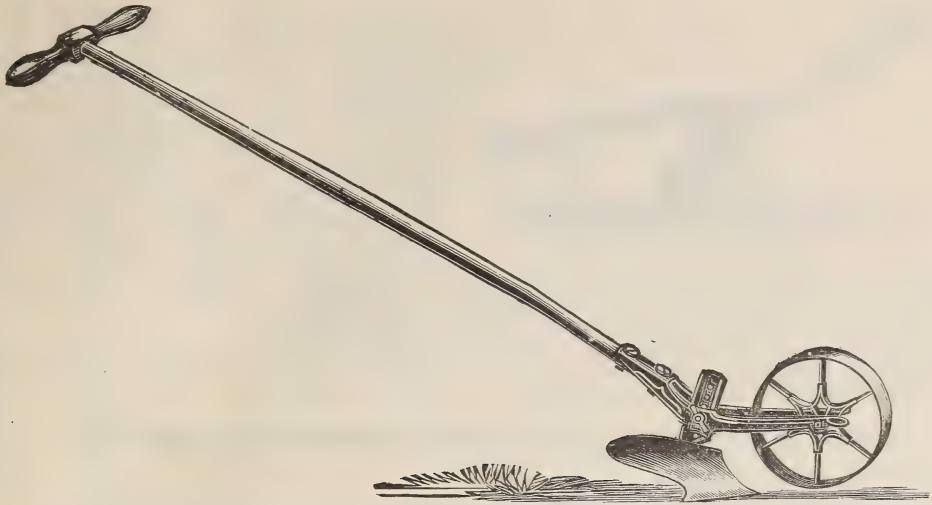
The "Planet Jr." Combined Hill Dropping and Fertilizer Drill. This machine will not only do all that the preceding one will do, but at the same time sow fertilizers either above or below the seed, as wanted, and in any required quantity. It holds about one peck, and works with regularity whether there is much or little in the hopper. Is regulated by an index similar to that of the hill dropper, and the discharge of both drills may be cut off or started instantly. Like the hill dropper, it does not sow when drawn backward, and can quickly be thrown out of gear. A great boon to farmers and market gardeners, and the most perfect machine of its kind ever made. Price \$18.00.

The "Fire Fly" Wheel Garden Plow (see cut). The "Fire Fly" Plow has given great satisfaction, and is now much improved in strength and design. To be appreciated, this little labor-saver must be seen in actual work. Its cost is soon saved in a family vegetable garden, even if but twenty feet square. By going twice in each furrow the ground can be plowed up in the spring ready for planting. Then the tool can be used to open shallow or deep furrows for various crops. These can be covered with it. When the plants appear above the surface, the little "Fire Fly" can be used to plow or hoe away from each side of the row when, after the weeds directly in the row have been removed by hand, the earth can be neatly thrown back, and this can be repeated throughout the season, working deep or shallow, as each particular crop demands at the time. Some owners of the "Fire Fly" Wheel Plow say they want no other tool in their vegetable garden. The low price brings it within the reach of all. In many gardens it will save its cost twice a year. Price, \$3.00.

The Fire Fly Single Wheel Hoe, Cultivator and Plow Combined. This neat and convenient machine is a prime favorite, light, strong and adjustable to a great variety of work. The tools supplied with it are: One pair of Curved Point Hoes, one pair of Narrow Cultivating Teeth, one wide Cultivating Tooth and one large Garden Plow. The new patent star wheel, with extra broad face, is used, and two handles having been found preferable are adopted. The reversible Cultivator Teeth can be used in a set of two or three for extra deep work. This is a good tool for the boys, and a pleasant one, though a thorough, strong, all-day tool for a hard-working laborer. Price, \$5.00.

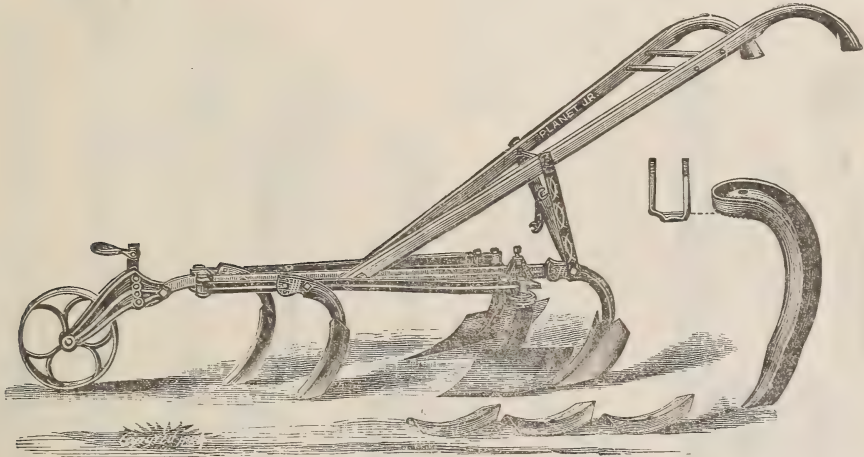
The "Planet Jr." Grass Edger and Strawberry Vine Cutter. This perfect little tool does either straight or curved work, most accurately, edging at the desired angle and at the rate of a mile an hour. It should be a constant companion of the Mower, as it neatly finishes the lawn, after the Mower has done its best. Strawberry growers will find it a rapid and perfect tool, for cutting off surplus runners. For this work the hoe may be removed. By removing the disc, the hoe may be used with great satisfaction in the vegetable garden, and among Strawberries; first cutting away from the crop and then returning the earth. Very suitable for light lands and small places. Price, \$4.00.





"Fire Fly" Wheel Garden Plow.

The "Planet Jr." (All Steel) Horse Hoe and Cultivator Combined, with wheel. When reversed is a Corn Hiller (see cut). A light and graceful tool, made entirely of steel, except some small malleable iron parts, and the handles. The machine—now—is better than ever before, and every important feature in a one-horse cultivating tool has been carefully developed, so that the machine is capable of a much greater variety of work than anything of the same style ever before made. Each machine is supplied with

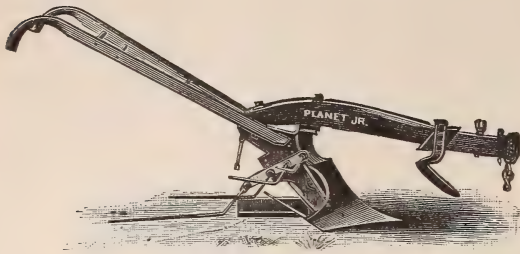


Corn Hiller—Horse Hoe and Cultivator Combined.

five Cultivator Plates, two Side Hoes and one Shovel Plate. When the Side Hoes are reversed in such a position, in which the rounded edge is foremost, an immense amount of work can be saved on all crops usually hoed or hilled up by hand. Especially useful to market gardeners and to Broom Corn growers, and to all who grow crops, where hand-labor is generally required. It is usually used reversed at the first cultivation, but for the second and third cultivations, it is used in the correct position, as shown in cut. Price, \$10.00.

The "Planet Jr." Double Celery Hiller. Of late years the demand for these machines has largely increased, and they have been improved each season, until now they are considered invaluable to large celery growers everywhere. The leaf lifters are a great improvement. They can be adjusted sidewise and arranged in height to suit the work. Some of the largest celery growers in the United States claim to hill their celery with these machines, without any handling whatever. The hilling blades are 43 inches long, and are adjustable in height at the heel, by means of a slotted piece, which is necessary as the hilling becomes higher. The double machine works all rows up to four feet apart. Before hilling, the ground should be thoroughly worked with a horse-hoe. Price, \$15.00.

The "Planet Jr." Single Celery Hiller. The single hiller runs lighter and throws rather higher than the double; is very strong and easily handled. It works rows of any width, and where market gardeners have their celery planted close, and first bleach every other row and having marketed that, wish to bleach the remaining rows, it is "just the thing." Price, \$11.00.



Potato Digger.

**The "Planet Jr." Irish Potato Digger** (see cut). Has the standard, share and landslide of the ordinary plow, a short steel-prong moldboard and a digging fork with four laterally extending tines, and a steel rake, which assists greatly in digging, and leaves the potatoes in a narrower row. In operation the plow is run directly under the row of potatoes; when the moldboard turns the furrow slice on edge, breaking it somewhat, the fork follows, and the upper tine (the foremost) cuts off about three inches of the upper edge of the slice, spreads it out and exposes the potatoes to view, the second and third each take three inches more, and

the fourth finishes the furrow, when the rake completes the operation. There being no gearing, the tool, with a few shares, will last a lifetime. Price, \$20.00.

A Special Catalogue of all the "Planet Jr." Machines mailed free on application.

**Iron Age Cultivator.** This is of Chicago manufacture, and much valued in the Mississippi Valley. The frame, teeth, wheels and handles are made of the very best materials, and handsomely finished. Try it, and you will get value received. Price \$7.00.

**MISCELLANEOUS TOOLS AND GARDEN REQUISITES.**

<b>Corn Planter.</b> Eclipse .....	Each.	\$1 50
Improved American.....		1 75
<b>Dandelion Puller.</b> Whitnall's. Excellent for removing docks, dandelions, and other tap-rooted weeds from lawns.....	(Postpaid)	55
<b>Dibbers.</b> For transplanting vegetable plants, with steel points.....		50
New French. Wooden. Just the thing for making holes for pot plants.....		35



Ladies' Small Floral Set.

Weeding Fork, American.

Ladies' Floral Set, 3 pieces.

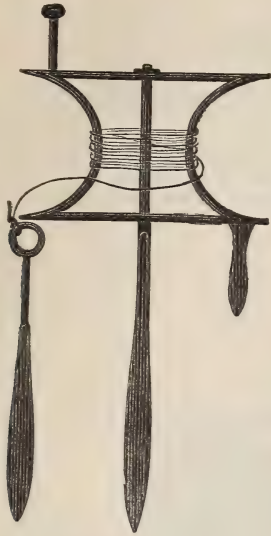
Price per set.

Garden Floral Set.

**Floral Sets of Tools.** Ladies' Small Floral Sets. (See cut). Four pieces. Cast steel blades. Extra fine polished. Bronzed shanks.....\$1 00  
 Ladies'. Three pieces. (See cut). Polished blades, bronzed shanks and varnished handles..... 1 25

Sets of Tools. Smallest size. For little children. Polished and gilded. Three pieces.....\$0 65  
 Boys'. Heavy and strong tools, all well made. Three piece..... 1 75  
 Garden. (See cut). Four pieces. Extra varnished handles..... 1 20  
 Strawberry. Two pieces. For transplanting strawberry runners..... 50

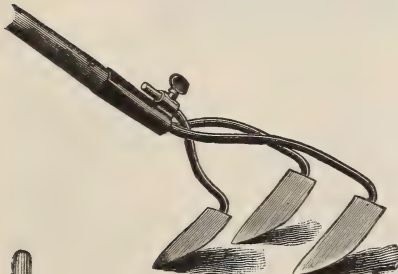




Garden Line Reel.



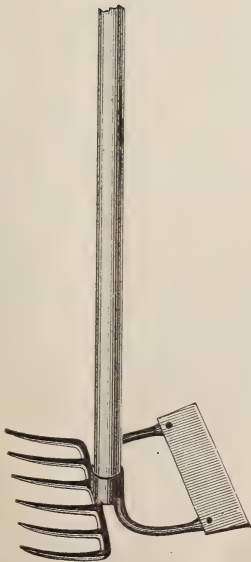
Garden Roller.



The "Osborne" Hand Cultivator.



Ladies' Hoe.



Combined Rake and Hoe.

<b>Forks.</b>	Digging. Short, D. handle, 4-pronged.....	\$1 25	Price each.
	Long, straight handle, 4-pronged.....	1 10	
	Garden. (Light). For ladies and children; 20 in. long.....	25	
	Hickory Stable, 3-pronged .....	75	
	Hay, or Pitch, 2-pronged.....	50	
	Hand Weeding. Imported, best steel .....	60	
	American. (See cut).....	25	
	Manure, 4-pronged .....	1 00	

<b>Garden Lines.</b>	Best braided.....	
	Per 100 ft., 75c; per 200 ft., \$1.40	
	Small, thin yellow.....Per 100 ft., 50c	
<b>Line Reels.</b>	(See cut).....	65
<b>Rollers.</b>	One section, 12x24 in., 200 lbs. (See cut) .....	20 00
	Two sections, 20x24 in., 250 lbs.....	25 00
	24x24 in., 400 lbs.....	35 00

<b>Grafting Compound.</b>	Ongerth's Improved. In 1-lb. cans .....	75
	5-lb. cans .....	2 50

<b>Wax.</b>	Trowbridge's..... $\frac{1}{4}$ -lb., 15c; $\frac{3}{8}$ -lb., 25c, 1-lb. 40c; postage 10c per lb.	
	Bees' Wax [subject to fluctuation] .....	per lb., 30c
	Prices for large quantities on application.	

<b>Grass Hooks or Sickles.</b>	Two sizes.....	50c and \$0 60
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**Hand Cultivator.** "The Osborne" (see cut). This tool will cultivate both sides of a row of vegetables at the same time. Three times the amount of work can be done with this than with an ordinary hoe. Hence it will facilitate the work in a garden, and render it less laborious than any other tool now on the market. It consists of three shovels, one being moveable, so as to work the two shovels on both sides or straddles of the row, the other, or centre one, can be inserted and used when working between the rows. This tool can also be used for seeding..... 1 75

<b>Hoes.</b>	Draw. "Acme Plow." This hoe is composed of one 5-in. blade and two cultivating teeth, on the reverse side, all cast in one solid piece...	80
	Ordinary.....6-in., 75c; 7-in., 90c; 8-in., 1 00	
	Jackson. Blade, with curved triangular attachment on reverse side.....	85
	Ladies', light (see cut).....	30
	Monarch, 7-in.....	60
	Warren [Bayonet Hoes] .....	70
	Planters'. Very useful, sharp cutting, 9-in., 55c; 11 in.....	70
	Grubbing [without handles].....	75c and 1 00
	Handles extra.....	15

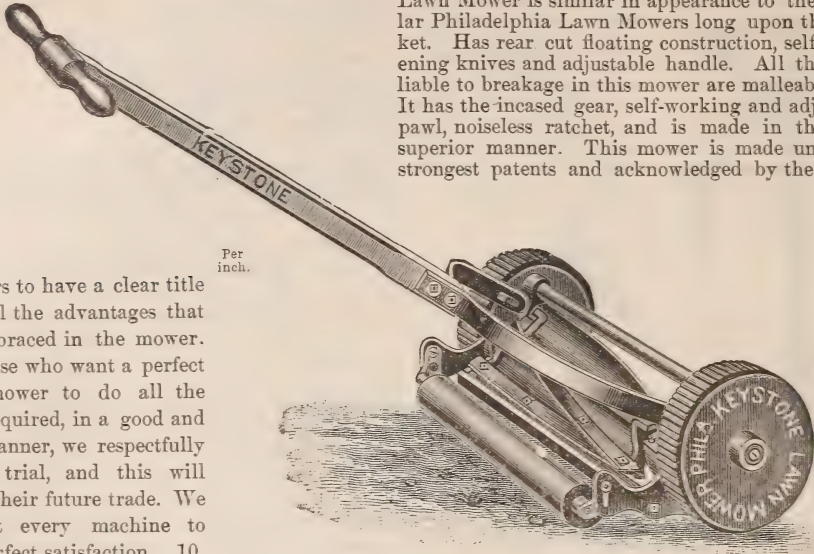
<b>Scuffle, or Dutch. "Push Hoes."</b>	A very useful garden tool for keeping down weeds, 6-in., 50c; 7-in., 60c; 8-in., 75c; 9-in., 85c; 10-in., 1 00	
	Straight. "Push Hoes." Can also be used as edging knives for cutting borders...70c and 75	

<b>Hoe and Rake Combined</b>	(see cut). According to size, 25c, 35c, 40c, and.....	60
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<b>Knives.</b>	Budding. Best Sheffield make, with ivory handles, each, \$1.00, \$1.25, and.....	1 50
	Pruning. "Keen Kutter." Sheffield make, plain handles, \$1.00, buck-horn.....	1 25
	Combination [Budding and Pruning]. Two-bladed, buck-horn or smooth handles.....	1 25
	For Cutting Asparagus.....	50
	Corn. Long, kris-shaped .....	50

<b>Labels.</b>	Wooden Pot [plain], 4-in.....	20c	Price per 100.
	5-in.....	25c	Price per 1000.
	6-in.....	30c	
	Tree. Notched or pierced, $3\frac{1}{2}$ -in.....	20c	75
	Garden. 8 in. long by $1\frac{1}{2}$ in. wide... 60c	5 00	
	Pot [painted], 4-in.....	25c	1 00
	5-in.....	30c	1 25
	6-in.....	35c	1 50
	Tree. Notched or pierced.....	25c	1 00

**Lawn Mowers.** [The Keystone Lawn Mower]. Open or Solid Wiper. (See cut). The Keystone Lawn Mower is similar in appearance to the popular Philadelphia Lawn Mowers long upon the market. Has rear cut floating construction, self sharpening knives and adjustable handle. All the parts liable to breakage in this mower are malleable iron. It has the incased gear, self-working and adjustable pawl, noiseless ratchet, and is made in the most superior manner. This mower is made under the strongest patents and acknowledged by the manu-



Per inch.

facturers to have a clear title upon all the advantages that are embraced in the mower. For those who want a perfect lawn mower to do all the work required, in a good and easy manner, we respectfully ask a trial, and this will insure their future trade. We warrant every machine to give perfect satisfaction. 10, 12, 14, 16 and 18 inch,.....

75c

Keystone Lawn Mower.

<b>Lawn Mowers.</b>	Keen Klipper [high cut], open wiper, 14, 16 and 18 inch.....	\$0 75
	[low cut], open wiper, 14, 16 and 18 inch.....	65
	Trojan. A good servicable machine, open wiper, 12, 14, 16 and 18 inch.....	55
<b>Lawn Sprinklers.</b>	The Boss. Works with top and regulator, $\frac{3}{4}$ in. guage.....	1 00
	Dandy. Fitted with spike to go into the ground, nickel plated, $\frac{3}{4}$ in guage.....	1 00
	Mikado. Rotary, on three legs, $\frac{3}{4}$ in. guage.....	2 50

Per

inch.

\$

75

65

55

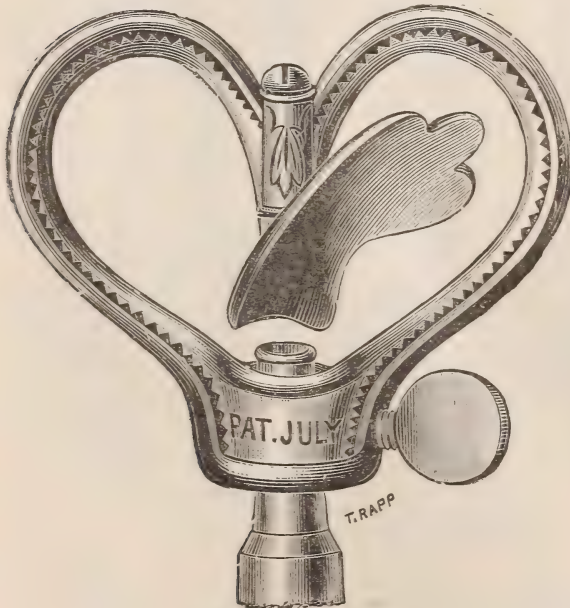
Each.

1 00

1 00

2 50

Pasadena. On three legs, each jet perforated, with fast top, $\frac{3}{4}$ in. guage.....	2 50
Flat rose, alone withoutstand pipe.....	1 00
Pomona. On three legs, with four jets $\frac{3}{4}$ in. guage.....	2 50
Propeller. With spike, rotary.....	60



Lawn Sprinkler, Merrill's Rotary.

Deakins' Lawn Sprinkler and Fountain. The work of this sprinkler is done through perforated arms and beveled balls so arranged as to water the lawn or garden uniformly and as perfect as a shower of rain. It will throw the water over a space of 40 to 50 feet in diameter, according to the pressure of water. By unscrewing the top, putting on the perforated ball and blank balls on the arms, converts it into a portable fountain. All parts, except standard nickel plated..... 8 50

The Deluge. A two jet lawn sprinkler mounted upon a sled base, it can be easily changed to any required position, without turning the water off, or drenching the operator. Will throw from 7 feet up to 50, and will last for years. We keep three sizes. Price \$1.50, medium \$2.50, extra large 4 00

Merrill's Rotary. (See cut). A good rotary sprinkler..... 75

75

Price

each.

\$0

75

1 00

1 25

60

60 and

<b>Lawn Rakes.</b>	Davis' patent.....	1 00
	Galvanized.....	1 25
	With two wheels.....	60
	Wooden—22 teeth.....	60c and
	Wooden frame, iron teeth, 2 sizes.....	1 00



**Matthews' Garden Seed Drill.** A well known and valuable machine. It accurately opens the furrows to the desired depth, drops the seed, covers and lightly rolls it, and at the same time time marks the next row..... \$12 00

**Mats.** For shading, sheltering and tying material. Archangel, 9 feet by 4½ feet ..... 1 00

**Manure Hooks.** Steel..... 1 00

**Pencils.** Wolf's Indelible, solid ink, will dispense with painting labels..... 15

**Potato Hooks.** 4-pronged..... 1 00

**Post Hole Digger.** "Samson"..... 4 00

**Plant Bed Cloth.** An excellent substitute for glass, and being light, can be easily and safely shipped to sections of country where it would be impossible to send sash. We do not sell less than 25 yards of a kind :

Per yard.		Per yard.	
Light, 25 yards and upward .....	6 c	Medium, 100 yards and upward.....	9½c
100 yards and upward.....	5½c	Heavy, 25 yards and upward.....	14 c
Medium, 25 yards and upward.....	10 c	100 yards and upward.....	13½c

**Plant Boxes.** Cottonwood. Price, per 100, \$9.00; per 1,000, \$80.00.  
 Redwood. Price, per 100, \$12.00; per 1,000, \$110.00.

**Plant Protector, Folding.** (Patent Nov., 1889.) A perfect protection from frost, sun and insects. They are light, durable, airy and strong. Galvanized iron folding frames covered with plant fibre cloth. Will last ten years and give satisfaction.

	Price each.	Price per doz.
No. 1. Size, 14x16 inches, 16 inches high.....	40c	\$4 00
No. 2. Size, 11x13 inches, 11 inches high.....	35c	3 50
No. 3. Size, 8½x10 inches, 8½ inches high.....	25c	2 50

**Plant Stakes.** Round, painted green and smoothly turned :

	Price per doz.	Price per 100.		Price per doz.	Price per 100.
2 feet.....	\$0 25	\$2 00	4 feet, light .....	\$0 70	\$5 00
2½ feet.....	30	2 50	4 feet, heavy .....	1 00	7 50
3 feet, light.....	40	3 00	5 feet, light.....	85	6 50
3 feet, heavy.....	85	6 50	5 feet, heavy.....	1 50	12 00
3½ feet, light.....	55	4 00	6 feet, heavy.....	2 00	15 00

**Plant Stakes.** Square, painted green :

	Price per doz.	Price per 100.		Price per doz.	Price per 100.
1½ feet.....	\$0 25	\$1 75	3 feet.....	\$0 40	\$2 50
2 feet.....	30	2 00	4 feet.....	50	3 50

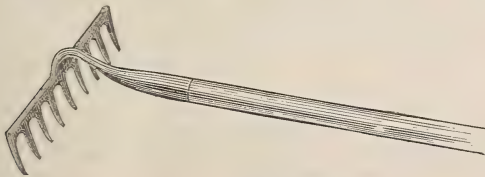
**Plant Stakes.** Redwood, unpainted. 4 feet..... 1 25 8 00  
 5 feet..... 1 50 9 00

**Pliers—Florists.** For making floral designs.....35c and \$0 50

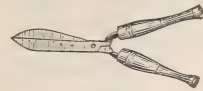
**Pruner and Saw, combined.** "Little Giant"..... 2 00

**Potato Eye Cutter, Lightning.** Does the work many times faster and is more accurate than the knife. It is guaged to cut enough flesh with each eye to strengthen and vitalize it, and does the work in a scientific manner..... 25

**Potato Knife, Humphrey's Concave and Curved.** Do not fail to give this knife a trial as per direction, which also accompany each knife. Hold the potato in the left hand with the stem end toward the right, cut the first eye from the stem end, and turning the potato, cut or scoop out in a curved manner each eye as it appears; always cut the bottom eye each time, and it will be easy to cut them right..... 25



Ladies' and Boys' Rake.



Hedge Shear.

**Rakes.** Cast steel, 10 teeth, with handles..... 40  
 12 teeth, with handles..... 50  
 "Diamond," with handles, extra finished..... 70  
 14 teeth, with handles..... 55  
 16 teeth, with handles..... 65  
 Ladies' and Boys (see cut)..... 6 teeth, 35c; 11 teeth, 45

**Roffea.** The best tying material for plants or buds.....per lb., 30c; price for larger quantities on application.

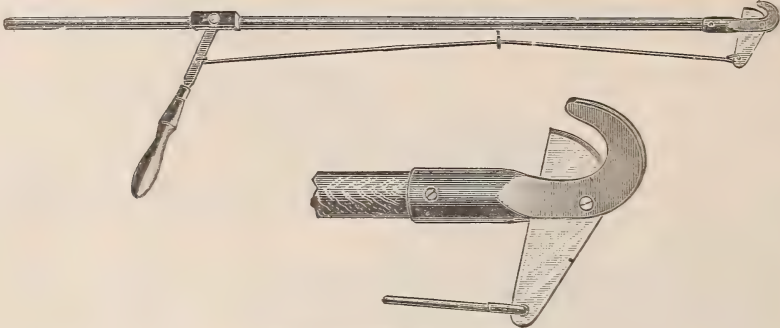
**Rubber Putty Bulbs.** For applying white lead and putty in glazing ..... 1 00

**Rustic Work.** "Manzanita and Lemon Wood." Settees.....\$8.00 to 14 00  
 Chairs.....\$4.00 to 5 00  
 Tables..... 3 50

**Sacking Twine.** Hackensack. In bundles of about 12 lbs.....per lb., 35c.

**Seed Tryers or Samplers.** For pocket, with cap, nickel-plated..... 1 00

	Price each.
<b>Saws, Pruning</b> —Disston's. A Greek saw, cuts upward.....	\$1 00
Jackson. A tennon saw for pruning.....	1 25
Tree. "Giant." Without handle. Worked from leverage.....	2 00
<b>Shears</b> —Border. For edging lawns; long handles; 9-inch.....	3 00
Hedge. Sheffield make (see cut); 9-inch.....	2 00
10-inch.....	2 25
Ladies' Rose Pruning. Of fine steel; specially manufactured for ladies' use; nickel-plated.....	1 25



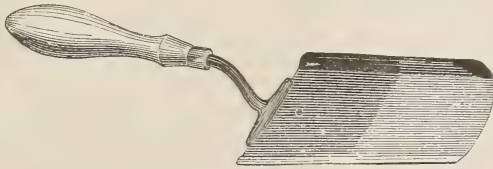
Lee's Telegraph Tree Pruner.

Florists' Scissors, of best steel.....	1 25
German Pruning Shears.....	Two sizes, each \$1.75 and 2 00
French Pruning Shears.....	2 00
Lee's "Telegraph" Tree Pruner. (See cut). It has many features which should commend it to the favor of the fruit grower or nurseryman; it is, in fact, a modified form of the Waters' Pruner, and while it is not recommended as a substitute for that implement, it works well and is very strong and durable. The blade can be taken out to be sharpened; there is a steel coiled spring for throwing out the blade; the socket has a thread on the inside, and can thus be easily screwed on to a pole of any length.....	.6 ft., \$1.75; 8 ft., \$2.00; 12 ft., 2 50
Sheep Shears. Also useful for trimming edges of lawns. Sheffield make.....	1 50
American.....	60
Tree Lopping. Buckeye.....	1 50
Eagle.....	3 00
<b>Scythes.</b> "Minnesota Chief" Razor edge, blades only, 3 ft.....	1 00
"Keen Kutter." Razor edge, blades only, 3 ft.....	1 25
"Blood's Champion Brush." Razor edge, blades only.....	1 00
Snaths, including patent fasteners.....	75
Stones. Talacre. Imported. Finest Scotch.....	25
Domestic.....	15
<b>Seed Sower.</b> Cahoon's Broadcast. A useful labor-saving invention.....	5 00
<b>Shovels.</b> Short, D handles.....	\$1.00 and 1 25
Solid shank, D handles.....	1 75
Long handled.....	\$1.10, \$1.50 and 1 75
<b>Spades.</b> Boys' or ladies', small.....	55
Ames' Best, full size, D handles.....	1 75
"Grafton," for draining, D handles.....	2 00
Maynard's Digging, D handles.....	1 75
Wightman's Digging, D handles.....	1 00
Long handled.....	1 25
<b>Sprinkler.</b> Scollay's Rubber. Indispensable for floral work and window gardening; also very useful for dampening clothes or sprinkling in any way. Beware of imitations, as this is the best.....	In three sizes: Large, \$1.00; medium, 75c; small size, 60
<b>Spuds, or Thistle Cutters.</b> Long handles.....	75
<b>Thermometers.</b> Fahrenheit. Japanned iron frame.....	25
Wooden frame.....	60
Glass bulb.....	1 25
<b>Trellises.</b> Fan: 18 in., 20c each; 2 ft., 35c; 2½ ft., 45c; 3½ ft., 60c; 4x2½ ft. wide, 75c; 5x2 ft. 8 in. wide, \$1.00; 6x3 ft. 2 in. wide, \$1.25; 7x3 ft. 6 in., \$1.50.	
Veranda. 5 feet long by 18 inches wide, each, 85c; 6 feet, \$1.00; 7 feet, \$1.25; 8 feet, \$1.50.	
<b>Turf Edger.</b> For trimming edges of walks, with handle, each, 75c.	
<b>The "Planet Jr." Lawn and Turf Edger.</b> For trimming the edges of walks, roads and flower beds. This little tool trims the turf around the edges of flower beds, walks, etc., the revolving cutter does perfect work, either on a straight or curved border, edging accurately at just the correct angle, and at the speed of a mile an hour, while the hoe cleans the bottom of the walk. It is invaluable in giving a finished appearance to the lawn. Strawberry growers will find it a rapid and perfect tool for cutting runners. Price, complete, each, \$4.00.	



**Transplanters.** The Avery. Just the thing for gardeners. It marks out a new era for transplanting, doing it better and quicker, saving plants and time enough to many times pay its cost. Plants removed by it do not wilt. The tool is a good one and every gardener should have it. Price, small single-hand size, each, 60c; large two-hand size, \$2.50.  
 Widney's. Well known here. Invaluable for Blue Gums, Cypress, etc., 1½ inch in diameter, \$2.00; 2 inches, \$2.25; 3 inches, \$2.50.

<b>Traps.</b>	Rat Cage, of best wire.....	Price each.	\$1 00
	Gopher.....	.25c and	35
	Mole [Hale's].....		2 50
<b>Trowels.</b>	Garden. Angle, for transplanting.....		25
	American, 6 inches, gilded.....		75
	7 inches, plain.....		15
	8 inches, plain.....		25
	Disston's blued steel, 6 inches.....		40
	7 inches.....		50
	Flat Transplanting, for Strawberry Runners (see cut).....		30
<b>Transplanting Trowels</b> (see cut).....			60



Transplanting Trowels—Strawberry.



Trowels—Transplanting.

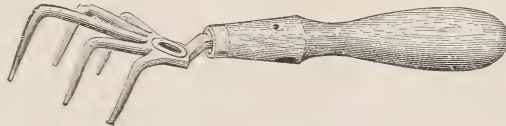
**Watering Pots.** French galvanized zinc, with brass sprinklers, each, 1 gallon, \$2.25; 2 gallons, \$2.50; 3 gallons, \$3.50.

**Weeders, Hand.** "Little Gem." This will be found to be one of the most useful hand weeders ever offered to the public. The teeth are about 2½ inches long, light and strong. It is about 10 inches in length, and weighs about half a pound. It will not clog, but works through the ground with perfect freedom and ease, leaving it nice and smooth. The extra prong on top will pull weeds that it would be impossible to pull with the fingers. Sent to any address on the receipt of price, 30c.

**Excelsior** (see cut). A very useful little tool, for weeding seed beds, stirring the ground, etc., 25c each; by mail, postpaid, 35c.



Lang's Hand Weeder.



Excelsior Weeding Hook.

**Weeders, Hand.** Hazeltine. Of the best solid steel, good size, and durable ..... 30c  
 Noyes. Well known, a standard article ..... 30c  
 Lang's Hand (see cut). One of the best, allowing free use of the hand while working ..... 30c

## Flower Pots.

LOS ANGELES MAKE.

2-in.....	Price per 100.	\$1 00	6-in.....	Price per 100.	\$ 8 50
2½-in.....	1 50		7-in.....		12 50
3-in.....	1 75		8-in.....		17 50
4-in.....	3 00		9-in.....		25 00
5-in.....	4 00		10-in.....		30 00

Packing extra. A liberal discount on large quantities.

We have also a fine stock of Ornamental Pottery, Japanese and Terra Cotta, in all shapes and styles. Prices at the store, or on application by letter.

## Fertilizers.

**Gypsum, or Land Plaster.** [Sulphate of Lime]. We strongly recommend this on all black alkali land, as it is the best leacher we know of. Drainage and leaching will convert our black alkali soils, and make them productive. It should also be used in urinals and stables, as it will fix ammonia, and preserve this volatile manure. In 100-lb. bags 50c; per ton, \$9.00; per 10 tons, at \$8.00 per ton.

**Pure Granulated Bones,** for Lawns, etc. We warrant them to be pure, unadulterated. Recommended for plants and fruit trees. If sown thickly, forms an excellent restoring and quickening power on grass plots in gardens, pleasure grounds, etc., but should be rolled in after being sown; also fine for mixing with the soil for potting plants. Per ton, \$40.00; 100-lb. sacks, \$3.00; 50-lb. bags, \$1.75; 25-lb. bags, \$1.00; less quantity, 5c per lb.

**Dissolved Bones.** These are first ground into 3-16 in. and dust, and then treated with Sulphuric Acid, which renders the phosphate soluble, and much easier for the plants to assimilate. They promote a vigorous growth on plants. Undissolved, the bones are much slower in their action; per ton, \$40.00.....\$2 50

Analysis, ammonia 2 to 2½ per cent.

phosphate 14 to 16 per cent. Prices for car lots on application.

**Nitrate of Soda** or Chili Saltpetre. This is a fertilizer that should be used with a great deal of care, as, if used in excess, it is likely to kill the plants, we, therefore, advise it only to be used in small quantities. Its effect is immediate. In applying it to pot plants dissolve a tablespoonful to one gallon of water and use it every two weeks. There is nothing but ammonia in this salt, of which there is about 20 per cent..... 3 50

**Lawn Fertilizer.** Our own mixture. To keep a good lawn in this climate it is absolutely necessary that it should be irrigated daily. As many coarse water grass seeds are apt to be shed, it behoves all owners of lawns to supply to the cultivated grasses (mostly Kentucky Blue Grass) the invigorating power they need. This want is amply fulfilled by our own Lawn Mixture. 5 lbs. will fertilize 25 by 25 feet, or its equivalent. 400 lbs. to 1 acre.

## Valuable Agricultural and Horticultural Books.

By mail, postpaid, at prices affixed.

	Price each.
Allen's Cattle.....	\$2 65
Asparagus Culture.....	55
Beale's Grasses.....	2 70
Brills' Farm, Garden and Seed-growing.....	1 15
Cactaceous Plants.....	55
Californian Fruits and How to Grow Them [Wickson].....	3 25
Cook's "Book on Bees".....	1 15
Designs for Flower Beds. Solly's. Colored plates.....	3 15
Eggleston's Tree Planting.....	80
Ellwanger's Rose Culture.....	1 35
Ellwood's Grain Tables.....	1 35
Flint's Grasses and Forage Plants.....	2 20
Floral Designs. For Florists. With 50 tinted illustrations.....	3 75
Fuller's Practical Forestry.....	1 65
Propagation.....	1 65
Strawberry Culture. Paper cover.....	30
Gregory's Cabbage Culture.....	35
Carrot Culture.....	35
Onion Culture.....	35
Sugar Beet and Mangel.....	35
Harris's Insects Injurious to Vegetation.....	4 20
Manures.....	1 90
"On the Pig".....	1 60
Herbert's Hints to Horsekeepers.....	1 90
Henderson's "Gardening for Pleasure".....	1 60
Gardening for Profit.....	1 60
Handbook of Plants.....	4 30
Practical Floriculture.....	1 60
Hop Culture.....	35
Long's Ornamental Gardening.....	2 20
Mushroom Culture. Paper pamphlet on.....	10
Our Homes. Cloth.....	1 10
Quinby's Bee Culture.....	1 60



Robinson's Mushroom Growing .....	Price each.
Stewart's Irrigation.....	\$0 55
Sweet Potato Culture.....	1 60
The Shepherd's Manual.....	65
Tobacco Culture.....	1 60
Vaughan's Celery. Paper cover.....	30
Ware's Sugar Beet.....	55
Weed's Insects.....	4 15
Wright's Poultry .....	1 40
	2 10

## Poultry and Cattle Foods and Remedies.

### COMMON SENSE ECC FOOD AND POULTRY TONIC WILL MAKE HENS LAY.

It will make young chicks and turkeys grow, and carry them through their most critical time.

There are now quite a number of preparations offered for sale as "Egg Foods," some of which are good, and others decidedly not. The Common Sense Egg Food and Poultry Tonic is the result of a long and careful study of the habits and wants of poultry, and it has now been used for several years by prominent and experienced poultry men in the East, and the past eight years in California, so that the beneficial results to be obtained are not imaginary but real, and we have many flattering testimonials to this fact. In fact we have never received a complaint regarding its merits.

It is estimated that four-fifths of all the food consumed by a fowl is required for its general wants, and egg-production proceeds alone from the amount of food digested over what is needed for sustenance. Herein lies the success in using the Poultry Tonic. It keeps fowls in a healthy condition; enables them to turn all their food to good account; keeps their liver in a state of activity; removes all possibility of contracting disease, and poultry cholera, diarrhoea, roup, etc., cannot exist where this tonic is used.

Put up in cases as follows: Fourteen 2½-lb. and six 6-lb. packages to case, twelve 6-lb. packages to case, twelve 2½-lb. packages to case.

2½-lb. packages.....	Price each.
6-lb. packages.....	\$0 50
14-lb. box .....	1 00
24-lb. box.....	2 00
	3 00

Directions for use accompany each package.

**Morris's Poultry Cure.** Endorsed by all who have used it as the best remedy for the various diseases to which fowls are subject.....1-lb. cans, 50c; 2-lb. \$1 00

**Pure Ground Bones for Chickens.** This is a pure article, sweet and nutritious; has not been subjected to acid, so may be depended upon as being of the best quality offered in the market for feeding poultry. Per ton, \$40.00; 100-lb. sacks, \$3.00; 50-lb. bags, \$1.50; 25-lb. bags, \$1.00; less quantity, 5c per lb.

**Ground Oyster Shells for Poultry.** Per lb., 5c.; per 100 lbs., \$3.00.

**Chicken Shells.** Coarse. Per 100 lbs., \$2.50.

**Linseed Meal, or Ground Flax Seed.** For poultices, mashes, etc. Pure. 3 lbs. for 25c; \$5.00 per 100 lbs.

**Oil Cake Meal.** Directions for feeding:

For Young Cattle—From one to two years old, 3 to 5 quarts per day, in two feeds.

For Spring Calves—From 1 to 3 quarts per day.

Sheep—One pint of Meal to each pound of oats fed, or a larger proportion of Meal if preferred.

Horses—A quart to a feed with oats or corn.

Pigs—From 1 to 3 quarts in a feed, according to age and size. Prevents cholera.

From 6 to 7 quarts (or lbs.) of this Meal per day, in two feeds, morning and evening, should be fed to cows giving milk, and to steers intended for beef. Mixed with water, and allowed to stand twelve hours before using, it gives the best results, but may be fed dry. Stock not accustomed to be fed on the Oil Cake Meal should have it at first mixed with bran or corn meal. In a few days they will eat it well alone.

Oil Cake Meal is not a medicine, but a food. It should be fed with bran or shorts to give the best results as a milk-producer, in the proportion of half each. This should be prepared twelve hours before feeding by soaking—at night for morning, and morning for night feeding. Corn meal should be used instead of bran or shorts when butter is an object. Both should be put into a vessel, and water poured on sufficient to make a mash of proper consistency. A thin mash, when first mixed, will become very thick by standing as long as indicated above. When large dairies are fed, a vessel can be used large enough so that one mixing will make feed for the whole. It can be fed dry, but much better results will be had by following the above directions. A small amount of salt should be used. The question of food must be better understood in order to realize the greatest profits, and we can say this: *That those who have fed the meal the longest feed the most.* Price per 100-lbs., \$3.00; per ton, at market rates.

**PAMPAS PLUMES.**

(See Cut.)

California is now to the front the world over for producing the best Pampas Plumes ever put on the market. They bring the highest price in Europe, and the demand generally greatly exceeds the supply. As we are the largest buyers and exporters in Southern California, we are in a position to sell at the lowest wholesale prices, and solicit correspondence regarding quotations.

**RETAIL.**

- No. 1, Los Angeles Eureka, first quality Plumes, from 24 inches and upwards in length. Price, per 100, \$5.00.
- No. 1, Los Angeles Eureka, 1 dozen of above sent free to any part of the United States, on receipt of \$1.50.
- No. 2, Los Angeles Eureka, finest quality Plumes, from 18 to 24 inches in length. Price, per 100, \$4.00.
- No. 2, Los Angeles Eureka, 1 dozen of the above sent free to any part of the United States, on receipt of \$1.00.

We carry a full line of all Florists' Supplies and Working Materials, comprising the following:

- Baskets, all styles and sizes.
- Bouquet Papers, all sizes.
- Doves.
- Dried Flowers and Dried and Dyed Grasses.
- Funeral Sheaves.
- Wire for stemming, all sizes.
- Immortelles and Letters.
- Moss, dyed in packages.
- Natural, in crates.
- Sphagnum in bales.
- Match Sticks.
- Tinfoil.
- Toothpicks.
- Cycas Fronds, etc.

Wire designs and many other articles that we have not the space to enumerate in this Catalogue. We, however, publish a special list of these goods, which will be mailed free on application.

**MEMORIAL FLORAL DESIGNS.**

[In metal, of German manufacture.]

We carry a select stock of these exquisite productions, which have never failed to obtain the most unqualified admiration wherever exhibited. For natural appearance and artistic arrangements they are unapproached by any other artificial production. A choice collection of new patterns kept constantly on hand.

- Bouquets, from..... \$2 50 to \$ 4 00
- Crosses, from..... 2 00 to 10 00
- Wreaths, from..... 2 00 to 12 00

Hanging Baskets, filled with imitation of Flowers and Leaves, in metal and porcelain, containing gas jets, and designed to be used as Gas Fixtures. Very novel and handsome, from \$12.00 to \$25.00 each.



Pampas Grass Plume.

**Nursery Department.**

Our greenhouses are situated corner of Los Angeles and Fourth streets, in rear of the Westminster Hotel.

All plants sent by Express at the expense of the purchaser, unless specially ordered otherwise; or where, in our judgment, the expressage would be too costly. We earnestly request our customers to have their plants always sent by express (except, perhaps, in the case of heavy balled shrubs or trees, or where express charges are very high), as our system of light packing makes the charges comparatively low, and they almost invariably arrive in perfect order when thus sent. In the case of small plants we will send by mail if desired, but larger and finer plants can be sent better by express than by mail, which will more than repay the expressage.

*Hints on the Planting and Culture of Ornamental Trees and Shrubs.*

Having previously prepared the ground by digging, it will then be necessary to make ready the holes for the reception of the plants by adding to the garden soil such mixture as may be required, according to the nature of it—heavy soils should have added to them light loam, sand, wood ashes, etc., and poor land should always have a good dressing of manure, so as to encourage the growth of the young plants. Let the mixture be well incorporated in a space about eighteen inches in width, and in this mixture place the plant which has just been



taken out of the pot, and fill in the soil around it until the surface of the ball is covered. Care must be taken to avoid deep planting, as fatal mistakes are often made in this way; a good rule is to place the plant at as nearly as possible the same depth as it stood in the pot or nursery from which it was transplanted. The soil should be made firm with a slight pressure of the foot, and the plant tied to a suitable support, after which a thorough watering should be given. Newly planted shrubs or evergreens should be shaded from the midday sun till they are well established, and the watering should be done carefully so that the water will saturate the whole surface of the ball of earth. A light mulching with stable litter the first season, is also advisable, as it prevents the too rapid evaporation of moisture, and keeps the soil from baking.

**HARDY ORNAMENTAL TREES AND SHRUBS.**

For the guidance of those who have not the services of a professional gardener at their command, we have described, as nearly as possible, the color of the flowers, and what height the plants, in favorite soils and situations, may be expected to reach in this climate. We may remark, however, that a great many shrubs may be kept to any required height by judicious pruning.

Abbreviations: *e* evergreen, *d* deciduous, *s* shrub, *t* tree.

	Height in feet.	Price each.	
<b>Abelia</b> Rupestris, <i>es</i> , rose and white.....	3	\$0 25 &	\$0 50
<b>Abutilon.</b> "Flowering Maple," <i>es</i> , Boule de Niede, pure white.....	6	15 to	35
Duc de Malakoff, orange, dark spots.....	8	15 to	35
Golden Fleece, rich golden yellow.....	4	15 to	35
Mesopotamicum, scarlet and yellow.....	4	15 to	35
Scarlet Gem, brilliant red, distinct.....	6	15 to	35
Thompsonii, single, variegated foliage, orange-colored flowers.....	5	15 to	35
Double, variegated foliage, orange, streaked crimson.....	5	15 to	35
Vexillarium, yellow and red.....	4	15 to	35
<b>Acacia.</b> [Wattle]. For full descriptions see Australian Tree Seed List.			
Dealbata, <i>et</i> .....	15	\$0 15	\$1 50
Decurrens, <i>et</i> .....	30	15	1 25
Lophantha, <i>et</i> .....	15	15	1 25
Melanoxydon, <i>et</i> .....	80	15	1 25
Mollissima, <i>et</i> .....	25	15	1 50
Ornithophora, <i>es</i> .....	15	15	1 25
Pycnantha, <i>et</i> .....	40	15	1 50
Suaveolens, <i>es</i> .....	8	15	1 50
Trovissima, <i>es</i> .....	10	15	1 25
<b>Achania</b> Malvaviscus, <i>es</i> , bright scarlet.....	10	\$0 35 to	\$0 50
<b>Aloysia</b> Citriodora, <i>ds</i> , "Lemon Verbena," white.....	6	15 to	25
<b>Andromeda</b> Japonica variegata, <i>es</i> , white, imported plants.....	2	1 00	
<b>Aucuba</b> Japonica, <i>es</i> , beautiful spotted foliage.....	5	25 to	75
<b>Azalea</b> Indica, <i>es</i> , various colors, imported plants.....	5	1 00 to	2 00
<b>Bambusa</b> [Bamboo] Falcata, <i>es</i> , ornamental foliage.....	15	25 to	75
Mateska, ornamental foliage.....	6	25 to	75
Nigra, ornamental foliage.....	20	25 to	75
Violacea, ornamental foliage.....	20	25 to	75
<b>Bouvardias</b> , <i>es</i> , several colors, single and double.....	3	75	
<b>Brachychiton</b> Acerifolium, <i>et</i> , "Flame Tree," [see Australian Tree Seed list for description]	20	25	
Extra large plants.....		1 50	
<b>Buxus</b> Sempervirens, <i>et</i> , [see Tree Seed list].....	8	25 small	
Large plants.....		75 &	1 00
Suffruticosa variegata, <i>es</i> , dwarf, for edging.....	2	25	
<b>Camellias</b> , <i>es</i> . We have a splendid collection of these showy flowers, embracing all the leading kinds, from double pure white, to double crimson. Should be planted in a shady situation.....	10	1 00 to	3 00
<b>Casuarina</b> Equisetifolia, <i>et</i> , "Beef wood," [see Australian Tree Seed list].....	150	15	
Stricta, "She Oak".....	30	15 &	75
<b>Clianthus</b> Puniceus, <i>es</i> , "Glory Pea," bright scarlet.....	8	50 &	75
<b>Coprosma</b> Baueriana variegata, <i>es</i> , beautiful foliage.....	4	35 &	1 00
<b>Corynocarpus</b> Lœvigatus, <i>es</i> , "New Zealand Laurel." A beautiful shrub, with large glossy green leaves.....	10	50 &	75
<b>Cyperus</b> Alternifolius, <i>es</i> , a pretty aquatic plant.....	2	25 &	50
<b>Daphne</b> Indica, <i>es</i> , red and white, deliciously fragrant.....	2	1 50	
Variegata. Variegated leaved.....	2	1 50	
<b>Deeringia</b> Amherstii Variegata, <i>es</i> . Leaves white and green, very pretty.....	5	35	
<b>Deutzia</b> Crenata, fl. pl., <i>ds</i> , double white.....	7	35	
Gracilis, <i>ds</i> . Very graceful and pretty; pure white.....	3	35	
<b>Diosma</b> Ericoides, <i>es</i> . "Breath of Heaven." White, with scented foliage.....	3	50 &	1 00

**HARDY ORNAMENTAL TREES AND SHRUBS—Continued.**



Ficus Elastica.

**Fuchsias.** One of the finest flowers for garden decoration that we possess, which also succeeds well as a greenhouse or window plant. When planted in the open ground the only precaution to be observed is to plant them in a somewhat shaded location and thoroughly enrich the soil with well decomposed manure, and, during dry weather, water freely and give occasionally a little liquid manure.

We describe a few of our leading varieties of Fuchsias, which we consider to be the best. (See cut).

- Arabella.* [Single.] White tube and sepals, very large and long, well reflexed, corolla rich rosy pink.
  - Avalanche.* Flowers very double, large and fine, tube and sepals bright carmine, corolla dark violet plum.
  - Black Prince.* [Single]. Large, spreading corolla of clear pink, sepals waxy carmine, beautiful habit and very free bloomer.
  - Mrs. E. G. Hill.* Flowers large, double, corolla creamy white, dark red sepals, well reflexed, of good habit and growth.
  - Phenomenal.* Tube and sepals of a rich, reddish crimson color, enormous corolla, very full, of a beautiful azure violet color, the most gigantic double Fuchsia yet sent out.
  - Speciosa.* Tube and sepals flesh color, shaded rose, with rosy carmine corolla. A remarkably free flowering and hardy variety.
  - Storm King.* A gem, with dwarf habit, carmine sepals, with white corolla. A magnificent large double variety.
  - Tower of London.* Rich velvet blue corolla, scarlet sepals, well recurved.
  - Wave of Life.* Beautiful golden colored leaves, rich scarlet tube and sepals, with bright violet blue corolla.
- Price of above from 10c to 50c each.  
Price of small plants, \$1.00 per doz.



Fuchsia.

	Height in feet.	Price per doz.	Price each.
<b>Gardenia Radicans.</b> "Cape Jessamine," es. White.....	2	\$1 50	
Sinensis. "Cape Jessamine," es. White .....	6	1 50	
<b>Geraniums.</b> Double and Single, es. Best varieties. (See cut, page 70).....	4	\$1 06	10
Ivy Leaved. "Jeanne d'Arc" es. Double white, suffused with lavender	3	1 00	10 to 25c
"La Rosiere." Double, soft, satiny rose, distinct.....	3	1 00	10 to 25c
"Madame Thibaut." Double, soft rose petals, dark centre	3	1 00	10 to 25c
Scented, es. Apple, Nutmeg and Rose .....	3	1 00	10 to 25c
<b>Habrothamnus Elegans,</b> es. Red.....	4		50c

	Height in feet.	Price each.
<b>Dracæna Draco,</b> es. "Dragon's Blood Tree".....	10	\$0 75 to \$1 25
(Cordylina) es. Indivisa. (See cut —Seed List, page 89).....		
.....2 to 5 ft., 75c to \$1.50 each	15	
4-in. pots, small plants.....		
.....Per 100, \$10.00		
3-in. pots, small plants.....		
.....Per 100, \$7.50		
Latifolia.....	4 to 6	75 to 1 50
<b>Duranta Plumieri.</b> Blue, es.....	12	35
White, es.....	6	35
Handsome and beautiful free flowering shrubs; also good for ornamental hedges.		
<b>Erythrina Crista Galli.</b> "Coral Bean," ds.		
Scarlet.....	8	25 to 50
<b>Escallonia floribunda,</b> es. Pink .....	5	25 to 75
rubra, ss. Red .....	3	25 to 75
<b>Euonymus Japonica.</b> (Spindle Tree) es.....	10	25 to 50
Aurea variegata, es.....	8	25 to 50
<b>Fabiana Imbricata,</b> es. White, heath-like flowers .....	6	50
<b>Ficus Australis,</b> et. Plants from 1 to 9 ft.....	40	1 00 to 9 00
Bengalensis, et. "Sacred Hindoo Fig;" 3 to 5 ft.....	15	3 00 to 5 00
Elastica, et. (True Rubber). (See cut) Plants from 1 to 9 ft.....	70	1 00 to 9 00
Macrophylla. "Moreton Bay Fig." Plants from 1 to 9 ft.....	90	1 00 to 9 00
Repens. "Trailing Fig,".....	Tr.	25 to 50
<b>Forsythia Viridissima,</b> ds. Yellow.....	6	30



**HARDY ORNAMENTAL TREES AND SHRUBS—Continued.**

	Height in feet.	Price each.	Large plants each.
<b>Heliotropium, es.</b> President Garfield. Bright mauve purple, large trusses .....	5	10c and 25c	\$0 50
Queen of the Violets. Purplish Violet, large.....	5	10c and 25c	50
Snow Wreath. Pure white.....	5	10c and 25c	50
Voltaireanum Nanum. Nearly black, fine.....	3	10c and 25c	50
<b>Hibiscus, es.</b> Aurantiacus. Double orange.....	6	15c to 35c	75
Brilliantissimus. Scarlet, with black ring.....	5	15c to 35c	75
Carnea. Flesh color.....	5	15c to 35c	75
Cooperii. Beautifully variegated foliage.....	3	15c to 35c	75
Fulgidus. Bright scarlet, with white bands.....	7	15c to 35c	75
Minatus. Semi-double, red.....	3	15c to 35c	75
Schizopetalus. Deep red, very distinct flowers.....	4	15c to 35c	75
Zebrinus. Striped flowers.....	5	15c to 35c	75
Syriacus [Althea], ds. [Rose of Sharon].....	10	35c	
Hibiscus rank among our very best flowering shrubs and should have a place in every garden.			
<b>Hydrangea</b> Otaksa, ds. Flesh color.....	3	25c to 35c	50
Paniculata Grandiflora, ds. White.....	4	25c to 35c	50
Thos. Hogg, ds. White.....	3	25c to 35c	50
Hydrangeas make fine pot plants. They should be grown in rich soil, and be given an abundant supply of water while flowering. The flowers may be artificially colored blue by applying iron filings to the soil.			
<b>Ilex Aquifolium.</b> "English Holly," es. Green.....	15	\$0 75 to \$1 00	
Variegatum. "Variegated Holly," es.....	10	1 00 to 1 50	
<b>Iochroma Tubiflora, es.</b> "Violet Tree." Blue.....	8	25 to 50	
<b>Jacaranda Mimosæfolia, et.</b> Blue, a magnificent tree.....	30	75 to 1 50	Small plants, each, 25c
<b>Justicia Adhatoda Alba, es.</b> White, makes a fine round bush.....	8	50 to 1 00	
Carnea, es. Flesh color.....	3	50 to 1 00	
Magnifica, es. Pink.....	3	50 to 1 00	
<b>Kerria [Corchorus].</b> Japonica, ds. Double yellow, very handsome.....	6	25 to 50	
<b>Lantana Hybrida, ds.</b> Six different kinds.....	3	15 to 25	
<b>Laurus Camphora, et.</b> "Camphor Tree".....	40	1 00 to 1 50	Large plants, 3 to 4 feet Good plants, 1 to 2 feet
Cerasus, es. "Cherry Laurel".....	8	50 & 1 00	
Nobilis, es. "Sweet Bay".....	15	1 00 & 2 00	
Tinus [Viburnum], es. White, in 3-inch pots.....	6	per 100, \$5.00 } per 100, \$12.50 }	25 to 75
White, in 5-inch pots.....			
White, large plants in pots or boxes.....			
<b>Lavandula Vera, es.</b> "English Lavender".....	3	25 & 50	
<b>Ligustrum Italicum, es.</b> "Privet," for hedges.....	6		per 100, \$5.00
Japonicum, es. "Japan Privet".....	20	25 & 50	
<b>Magnolia Grandiflora, et.</b> White, very large flowers, small plants.....	40		\$1 00
Extra large specimens, in boxes.....		\$4 00 & \$5 00	
<b>Mahonia Aquifolia, es.</b> Yellow, succeeded by blue berries.....	5	75 & 1 50	
<b>Melaleuca Nodosa, es.</b> "Ti Tree." A valuable new hedge plant.....	8	50	
Obtusifolia, es. "Ti Tree." White.....	10	35	
<b>Melia Azederach, dt.</b> "Texas Umbrella" or "Pride of China".....	30	15 to 75	
<b>Metrosideros Floribundus, es.</b> "Bottle Brush Tree." Scarlet.....	8	50 & 75	
<b>Musa Ensete.</b> "Abyssinian Banana." Unequaled as a decorative plant (see cut, p. 90)...	15	25 to 75	
<b>Myrtus Communis.</b> "Common Myrtle," es. White.....	10	15	
Latifolius. "Broad-leaved Myrtle," es. White.....	10	15	
<b>Nandina Domestica, es.</b> White, with edible fruits.....	10	50 & 75	
<b>Nerium Oleander, es.</b> Single white.....	5	25 to 75	
Constance Gezall. Single, violet carmine.....	5	25 to 75	
Lilian Henderson. Best double white.....	6	25 to 75	
Laurifolium. Single rosy pink, Laurel-leaved.....	6	25 to 75	
Madoni Grandiflora. Large, semi-double, white.....	5	25 to 75	
Nankeen. Single yellow, fine.....	5	25 to 75	
Purpureum Grandiflorum. Large purple.....	6	25 to 75	
Rose Chain. Single, flesh-colored Rose.....	5	25 to 75	
<b>Nierembergia Gracilis, es.</b> White and purple.....	2	15	per doz., \$1.50
<b>Olea Fragrans [Sweet Olive], es.</b> White, very fragrant.....	8	1 00 to 2 00	
<b>Oreodaphne Californica, et.</b> "Native Bay." Leaves fragrant.....	30	25 to 50	
<b>Osmanthus Illicifolius, es.</b> "Japanese Holly." Fine for this climate.....	6	50	
<b>Pelargonium, es.</b> "Lady Washington" Geraniums. Belle of Paris. Maroon, edged white	4	15 to 50	
Blanche Fleur. Rose, painted crimson, with large white throat.....	4	15 to 50	
Dr. Andre. Blush pink, with elegantly fringed margin.....	4	15 to 50	
Duchess of Bedford. White, with purple blotch, beautifully fringed...	4	15 to 50	
Elfride. Crimson, margined with white.....	4	15 to 50	
Evening Star. Maroon, with white center; compact.....	3	15 to 50	

**HARDY ORNAMENTAL TREES AND SHRUBS—Continued.**

	Height in feet.	Price each.
<b>Pelargonium</b> , <i>es.</i> Gloire des Tours. Bright crimson; good.....	4	\$0 15 to \$0 50
Le Negre. Very dark crimson.....	4	15 to 50
Lady Isabel. Rosy lilac, with deep maroon blotch.....	4	15 to 50
Mabel. Dark maroon top, narrow edge.....	4	15 to 50
Mad Alton. Light rose, spotted with scarlet and maroon.....	4	15 to 50
Madame Thibaut. White, blotched rose.....	5	15 to 25
Minnie. Crimson, with maroon blotch.....	4	15 to 25
Rosalind. Rose, clear white throat.....	4	15 to 25
Salisbury. Rosy purple, with maroon top.....	4	15 to 25
Vestal. Pure white.....	4	15 to 25
<b>Phormium Tenax</b> , <i>es.</i> "New Zealand Flax." Green leaves.....	6	50 to 1 50
Variegated. Green and yellow.....	6	1 00 to 2 00
<b>Pittosporum Eugenioides</b> , <i>es.</i> [See Tree Seed list for description].....	12	25 to 75
Tobira, <i>es.</i> White. [See Tree Seed list for description].....	6	25 to 75
Variegata. Beautiful variegated leaves.....	5	1 00 to 1 50
Undulatum, <i>es.</i> [See Tree Seeds].....	15	50 to 1 00
<b>Poinciana Gillesii</b> , <i>ds.</i> "Flower Fence." Orange.....	8	50
Pulcherrima. "Bird of Paradise." Yellow and scarlet.....	12	25 to 75
<b>Poinsettia Pulcherrima</b> , <i>ds.</i> Brilliant scarlet bracts.....	8	35 to 50
Poinsettias are brilliant shrubs, when planted in a sheltered position, and watered regularly.		
<b>Punica Granatum</b> , <i>ds.</i> Pomegranate. Double scarlet.....	8	25 to 75
New dwarf scarlet.....	2	25 to 75
<b>Salisburia Adiantifolia</b> , <i>dt.</i> "Maidenhair Tree." Beautiful fern-like foliage.....	70	50 to 1 00
<b>Schinus Molle</b> , <i>et.</i> "Mexican Pepper Tree." Bright scarlet berries.....	50	
In 3-in. pots, 75c per doz., \$5.00 per 100		
In 4-in. pots, \$1.00 per doz., \$7.50 per 100		
Large specimens in cans.....	50	50 to 75
<b>Serissa Variegata</b> , <i>es.</i> White.....	3	25 to 50
<b>Spirea Prunifolia</b> , <i>ds.</i> "Bridal Wreath." Double white.....	4	25 to 50
Reevesii, <i>fl. pl.</i> Double white.....	4	25 to 50
<b>St. John's Bread</b> , <i>et.</i> "Ceratonia Siliqua." Yellow.....	15	25
<b>Solanum Erectum</b> [Betaceum], <i>et.</i> "New Tree Tomato." We are now enabled to offer this valuable new plant in quantity. It fruited on our grounds last season. It will no doubt become deservedly popular, being hardy in this climate; perennial; very ornamental and possessing a rich sub-acid flavor. Fruit is egg-shaped, over two inches in diameter. Plants, in 2½ in. pots.....		25
Plants, in 5 in. pots.....		75
<b>Sterculea Populifolia</b> , <i>et.</i> .....	40	1 00 to 1 50
<b>Streptosolen Jamesonii</b> , <i>es.</i> Orange-colored flowers, blooming abundantly.....	6	35
<b>Tamarix Gallica</b> , <i>ds.</i> "Tamarisk." Pink, good for planting near the sea coast.....	12	25
<b>Tabernamontana Coronaria</b> , <i>et.</i> Yellow, fragrant flowers.....	20	50 to 75
<b>Veronica Andersonii</b> , <i>es.</i> Blue.....	3	25 & 50
Variegata, <i>es.</i> Blue flowers, variegated foliage.....	2	25 & 50
Glauca, <i>es.</i> Light blue.....	2	25 & 50
Kermesina Speciosa, <i>es.</i> Beautiful crimson mauve.....	2	25 & 50
<b>Weigelia Amabilis</b> , <i>ds.</i> Pink and white.....	4	25 & 50
Rosea, <i>ds.</i> Rose.....	5	25 & 50
<b>Yucca Aloefolia</b> , <i>es.</i> Cream-colored.....	8	50 to 2 00
Variegata. Fine for single specimens on lawns.....	6	1 00 to 5 00
Angustifolia, <i>es.</i> Narrow-leaved.....	6	50 to 2 00
Filamentosa, <i>es.</i> [Adam's Needle].....	6	50 to 2 00
Gloriosa, <i>es.</i> [Adam's Needle]. White, fine.....	8	50 to 2 00
Whippley, <i>es.</i> Very distinct.....	10	1 00 to 5 00
Yuccas are very ornamental, either planted in vases or as single specimens on lawns, and will thrive in dry situations where many other plants will not live, besides bearing handsome spikes of flowers.		

**CONIFERÆ.**

For extended descriptions see our Tree Seed List, pp. 81-83.

	Height of growth.	Price each.
<b>Araucaria Bidwellii</b> . [Bunya Bunya]. Plants 3 ft. in height.....	100	\$4 00
5 to 6 ft. in height.....	100	\$5 00 to 7 50
Braziliensis. Habit something resembling A. Imbricata, but freer and more branching. Plants 3 ft. in height.....	70	3 50
Cunninghamii. "Moreton Bay" Pine. Plants 1 ft. in height.....	70	2 00
Excelsa. "Norfolk Island" Pine (see cut, p. 78). Plants 2 ft. high.....	200	2 00
3 to 4 ft. high.....	200	4 00 to 6 00
Imbricata. "Monkey Puzzler." Plants 1 ft. high.....	50	2 50
2 to 3 ft. high.....	50	10 00 to 15 00



**CONIFERÆ—Continued.**

	Height of growth, ft.	Price each.
<i>Cedrus Atlantica</i> . "Silver Cedar." Plants 2 to 3 ft. high.....	100	\$2 50 to \$3 00
<i>Deodara</i> . "Indian Cedar." Plants 1 to 2 ft. high.....	100	50
		3 to 4 ft. high.....
		1 50 to 2 50
<i>Libani</i> . "Cedar of Lebanon." Plants 1½ ft. high.....	100	1 50
		2 to 3 ft. high.....
		2 50 to 3 00
<i>Cryptomeria Elegans</i> .....	50	35 to 50
<i>Japonica</i> . ["Japan Cedar"].....	75	50 to 75
<i>Cupressus Guadalupensis</i> . "Blue Cypress".....	40	50 to 75
<i>Lawsoniana</i> . "Lawson's Cypress." Plants 2 ft. high.....	100	50
		Extra large plants in tubs or boxes.....
		1 50
<i>Macrocarpa</i> . "Montérey Cypress." [In 4-in. pots, 2 to 3 ft.].....	Per doz., 75c	50
		In boxes, per 1000, \$9.00; per 100, \$1.00
<i>Sempervirens</i> . "Italian Cypress".....	70	25 to 50
<i>Pinus Austriaca</i> . "Black Austrian Pine".....	100	75 to 1 00
<i>Canariensis</i> . "Canary Island Pine".....	50	75 to 1 00
<i>Insignis</i> . Monterey Pine. In 4-in. pots; plants 1 ft. high.....	Per doz., \$1.00	80
		Large plants, 3 to 4 ft. high.....
		75
<i>Retinospora Ericoides</i> . Native of Japan.....	4	1 00 to 3 00
<i>Plumosa</i> . Native of Japan.....	8	1 00 to 3 00
<i>Squarrosa</i> . Native of Japan.....	8	1 00 to 3 00
The <i>Retinosporas</i> mentioned above are very distinct and elegant trees, and, as they are of slow growth, are admirably adapted for small gardens.		
<i>Sciadopytis Verticillata</i> . [Japan Umbrella Pine.] Plants from 2 to 3 feet high.....	15	\$2 50 to \$5 00
<i>Sequoia Gigantea</i> . "California Big Tree." Plants 2 to 3 feet high.....	300	1 00 to 2 00
<i>Sempervirens</i> . "California Redwood." 2 feet, in 5-inch pots, each, 50c; large plants, \$1.50.....	200	
<i>Taxus Baccata</i> . "English Yew." Of very slow growth, large plants.....	50	1 00 to 3 00
<i>Fol. Variegata</i> . Foliage, green and yellow.....	20	1 00 to 2 00
<i>Hibernica</i> . "Irish Yew." Well adapted for shrubbery, large plants.....	15	2 00 to 3 00
<i>Thuja Occidentalis</i> . "American Arbor Vitæ".....	50	50 to 1 50
<i>Orientalis</i> . "Chinese Arbor Vitæ".....	10	50 to 1 50
<i>Aurea Compacta</i> .....	5	75 to 2 00
<i>Thujopsis Dolabrata</i> . Very distinct, of slow growth. In 6-inch pots.....	40	75

**HARDY CLIMBING PLANTS.**

Abbreviations—*e*, Evergreen; *d*, Deciduous.

	Price each.
<i>Akebia Quinata</i> , <i>e</i> . Flowers, violet-brown, with a Cinnamon fragrance.....	35c to \$1 00
<i>Ampelopsis Quinquefolia</i> , <i>d</i> . "Virginia Creeper." A very rapid grower.....	25c & 50
<i>Veitchii</i> , <i>d</i> . "Japan Ivy." Foliage very handsome, becoming crimson in the fall.....	25c & 50
<i>Aristolochia Elegans</i> , <i>e</i> [New]. Flowers purple, marked white, with yellow eye.....	50
<i>Sipho</i> , <i>d</i> . "Dutchman's Pipe." Yellow and brown.....	25c & 50
<i>Asparagus Plumosus Nanus</i> , <i>e</i> . Elegant feathery foliage.....	75c to 2 00
<i>Tenuissimus</i> , <i>e</i> . In great demand for floral work.....	25c to 1 50
	Small plants..... Per 100, \$7.50
<i>Bignonia</i> . [Trumpet Vine]. <i>Capensis</i> , <i>e</i> . Red.....	25c & 35
	<i>Grandiflora</i> , <i>d</i> . Purple and red.....
	15c & 25
<i>Mackeenii</i> , <i>e</i> . A splendid new climber, with deep pink flowers.....	50c & 1 00
<i>Stans</i> , <i>e</i> . Yellow.....	15c & 35
<i>Tuscediana</i> , <i>e</i> . Clear lemon-yellow.....	25c & 50
<i>Venusta</i> , <i>e</i> . Orange, superb.....	50c & 1 00
<i>Violacea</i> , <i>e</i> . Violet.....	25c & 50
<i>Bougainvillea Glabra</i> , <i>e</i> . Magenta.....	75c & 1 50
<i>Spectabilis</i> , <i>e</i> . Red.....	75c & 1 50
Bougainvilleas are magnificent climbing plants, but to bloom them successfully they must be grown on a wall or fence, fully exposed to the sun.	
<i>Campsidium Filicifolium</i> , <i>e</i> . Beautiful fern-like foliage.....	50c & 75
<i>Clematis</i> [Virgin's Bower], <i>d</i> . <i>Duchess of Edinburgh</i> . Large, double white.....	75c & 1 00
	<i>Jackmannii</i> . Single, large purple.....
	75c & 1 00
	<i>John G. Veitch</i> . Double, pale blue.....
	75c & 1 00
	<i>Lady Londesborough</i> . Single gray, pale bars.....
	75c & 1 00
	<i>Prince of Wales</i> . Purple.....
	75c & 1 00
	<i>Sir Garnet Wolseley</i> . Slaty-blue.....
	75c & 1 00
	<i>Vitalba</i> . "Traveler's Joy." White.....
	15c & 25
<i>Cobea Scandens</i> , <i>e</i> . A rapid climber, with purple, bell-shaped flowers and good foliage.....	15c & 25
	Small plants, per doz., \$1.00
<i>Dolichos Lignosus</i> , <i>e</i> . "Australian Pea Vine." Rosy pink.....	15c & 25
<i>Hardenbergia alba</i> , <i>e</i> . "Australian Lilac." White.....	25c & 50
<i>Hedera Helix</i> , <i>e</i> . "English Ivy".....	15c & 25
	<i>Hibernica</i> , <i>e</i> . "Irish Ivy".....
	25c & 50
<i>Hoya Carnosa</i> , <i>e</i> . "Wax Plant".....	25c to 2 50
	<i>Variegata</i> , <i>e</i> . "Variegated Wax Plant".....
	50c & 1 50

## HARDY CLIMBING PLANTS—Continued.

	Price each.
<b>Ipomea</b> Learii, e. "Blue Moonflower." Sky blue.....Per doz. \$1.50	\$0 15
Mexicana Grandiflora alba, e. "True White Moonflower".....	15c & 25
<b>Jasminum</b> fruticans, e. "Jasmine." Yellow.....	35
Gracilis, e. "Jasmine." White, very graceful.....	35c & 50
Officinale, e. "Jasmine." White.....	25
Poeticum, e. "Poet's Jasmine." Yellow.....	50c & 75
Revolutum, e. Yellow.....	25c & 35
<b>Lonicera</b> Sinensis, e. "Chinese Honeysuckle." White and red, very fragrant.....	25c & 50
Japonica aurea reticulata. Golden netted Honeysuckle. White and yellow.....	15c & 35
Halleana, e. White and pink.....	25c & 50
Heckroth, e. Pink.....	25c & 50
<b>Mandevilla</b> suaveolens, e. "Chili Jasmine." White, very fragrant, beautiful.....	25c & 50
<b>Maurandya</b> Barclayana, e. Purple.....	10c & 15
Alba, e. White.....	10c & 15
Rosea, e. Pink.....	10c & 15
<b>Mina</b> Lobata, e. (See cut, page 66). Scarlet and white.....	25
<b>Passiflora</b> cœrulea, e. "Passion Vine." Blue and white.....	25c & 50
Colvillii, e. Light blue.....	35c & 75
Constance Elliott, e. Ivory white, with dark green foliage.....	25c & 50
Edulis, e. Nearly white. Edible fruits.....	35
Quadrangularis, e. Green and blue.....	25c & 50
Racemosa. [Princeps], e. Red and blue.....	35c & 75
<b>Pereskia</b> Aculeata. [Climbing Cactus], e. White.....	25c & 50
<b>Phaseolus</b> Caracalla. "Snail Flower," e. Lilac, purple and yellow, splendid.....	25c & 50
<b>Physianthus</b> albens, e. White.....	25c & 50
<b>Plumbago</b> Capensis, e. [Leadwort]. Light blue.....	15c & 25
alba, e. [Leadwort]. White.....	25c & 50
Zeylanica, e. New White.....	25c & 50
<b>Rhynchospermum</b> Jasminoides, e. "Star Jasmine." Pure white, fragrant.....	50c to 2 00
Variegata, e. "Star Jasmine." White, variegated leaves.....	75c to 1 50
Tricolor, e. White, foliage beautifully mottled with white and pink.....	75c to 1 50
<b>Senecio</b> Scandens, e. "German Ivy." Yellow. Fine for hanging baskets.....	15
<b>Smilax</b> . [Medeola Asparagoides]. A well known climbing plant, much used in floral work, festooning, etc.....	10c & 15
In 3-in. pots.....per 100, \$7.50	
<b>Solanum</b> Azureum Magnificum, e. A splendid climber, with gorgeous light blue flowers.....	50
<b>Sollya</b> Heterophylla, e. Beautiful small bright blue flowers, in clusters.....	50c & 75
<b>Stephanotis</b> Floribunda, e. Flowers waxy white, very fragrant. One of the handsomest climbers. Requires a sheltered, warm situation.....	50c to 1 50
<b>Tasconia</b> Buchananii, e. Deep rose color. Flowers similar to Passion flowers, but larger.....	25c & 50
Rosea, e. Light Rose.....	50c & 75
Van Volxemii, e. Dazzling scarlet crimson.....	50c & 75
<b>Tecoma</b> Jasminoides, e. White and purple.....	25c to 75
Radicans, d. Red. [Syn. Bignonia Radicans].....	15c to 35
<b>Wistaria</b> Sinensis, d. Lavender. The best of all deciduous climbers, flowering in early spring, well known.....	50

## EUCALYPTI.

For full descriptions of these varieties, see Australian Tree Seed list, page 78.

	Price each.
<b>Eucalyptus</b> Amygdalina. "Messmate".....	in 3-in. pots 15c
Baileyana.....	15c
Callosa. [New].....	30c
Calophylla. "West Australian Karri Gum".....	25c
Citriodora. "Lemon Gum".....	15c
Corynocalyx. "Sugar Gum".....in boxes per 100 \$3.50	10c
Ficifolia. "Scarlet Gum".....	35c
Globulus. "Common Blue Gum".....in boxes, per 100 \$1.00, per 1000 \$7.50,	in cans 5c
Large specimens.....	25 to 50c
Longifolia. "Woolly Butt".....per doz. \$1.50	in 3-in. pots 15c
Pilularis. "Black Butt".....	25c
Piperita. "Peppermint Gum".....	25c
Resinifera. "Forest Mahogany".....per doz. \$1.00	10c
Rostrata. "Red Gum".....in boxes, per 100 \$1.50	in pots, 5c
Siderophloia. "Red Ironbark".....per doz. \$1.50	15c
Tereticornis. "Grey Gum." [New].....	25c



**GREVILLEA ROBUSTA.**

(See cut page 81).

	Price per 100.	Price in pots each.
1 to 2 feet, in 3-in. pots.....	\$ 6 00	10c
2 to 3 feet, in 4-in. pots or cans.....	10 00	15c
3 to 4 feet, in 5-in. pots or cans.....	15 00	25c
Large specimens in cans 5 to 7 feet in height.....	.50 to 75c each.	

**HARDY HERBACEOUS, BEDDING AND BORDER PLANTS.**

	Price in pots per doz.	Price in pots each.
<b>Acanthus Spinosus.</b> Leaves very ornamental.....		\$0 25
<b>Achyranthes Biemullerii.</b> [New]. In 2½-in. pots.....	\$0 75	10
Lindenii.....	In boxes, per 100, \$2.00	75 10
Verschaffeldtii.....	2.00	75 10
Aurea. Yellow.....	2.00	75 10
<b>Agapanthus Umbellatus.</b> "Blue African Lily".....		50
Albus. "White African Lily".....		50
Variegatus. Striped leaved.....		50
<b>Ageratum.</b> Imperial Dwarf. Blue.....	In boxes, per 100, \$2.00	75 10
White.....	2.00	75 10
<b>Altenantheras.</b> Amabilis. Fine for edging.....	2.00	
Amœna.....	2.00	
Aurea Nana.....	2.00	
Parynchoides.....	2.00	
Spectabilis.....	2.00	
Versicolor.....	2.00	
<b>Alyssum.</b> Variegated.....		50 05
<b>Antirrhinum.</b> [Snapdragon]. Finest varieties.....	Per 100, \$2.00	50 05
<b>Aquilegia.</b> "Columbine." In variety.....	Large clumps, each 25c.	2.00
<b>Asters.</b> Finest strains.....	2.00	50 05
<b>Bellis Perennis.</b> "Double Daisy." Red or white.....	2.00	
<b>Carnation Pinks.</b> Strong plants of the following sorts:		
Buttercup. Rich golden yellow, streaked carmine.....	2 00	20
Columbia. Delicate flesh, with lemon tint, dashed scarlet.....	1 50	15
Geneva. White ground, striped purple; dwarf habit.....	1 50	15
Grace Decatur. Rosy carmine.....	1 50	15
Grace Wilder. Bright rosy pink, very fragrant.....	1 50	15
Lydia. Salmon rose; dwarf habit.....	1 50	15
Portia. Rich scarlet, very fine.....	1 50	15
Silver Lake. Pure white, very fine.....	1 50	15
<b>Centaurea Candidissima.</b> In 2½-in. pots, \$5.00 per 100.....	75	10
<b>Chrysanthemums.</b> See separate list.		
<b>Cineraria Maritima.</b> White foliage.....	In boxes, per 100, \$2.00	75 10
<b>Coleus.</b> A large variety.....		75 10
<b>Cuphea Hyssopifolia</b> .....		75 10
<b>Dahlias.</b> See Summer Flowering Bulbs, p. 91.		
<b>Echeverria Rosacea.</b> "Live for Ever".....	In boxes, per 100, \$2.50	
Secunda Glauca.....	2.50	
<b>Festuca Glauca.</b> For ribbon bedding.....	Per box, 2.00	
<b>Geranium.</b> Madame Salleroi. Fine for edging.....	In 2½-in. pots, \$4.00 per 100	50 05
<b>Kaulfussia Amelloides.</b> "Blue Marguerite".....	1 00	10
<b>Lobelia Erinus Compacta.</b> Blue, fine for edging.....	In boxes, per 100, \$1.50	
<b>Marguerite, or Paris Daisy.</b> [Chrysanthemum Segetum].....	1 00	10
Large plants.....	2 50	25
<b>Melissa Variegata.</b> Variegated Balm.....	In boxes, per 100, \$2.00	
<b>Mesembryanthemums.</b> 4 kinds; each kind.....	2.00	
<b>Musk Plant.</b> [Mimulus Moschatus].....		25
<b>Myosotis Dissitiflora.</b> The best blue variety.....	In boxes, per 100, \$2.00	
<b>Othouna Crassifolia.</b> Yellow flowers.....	2.00	
<b>Paneratium Album.</b> "Louisiana Lily".....		50
<b>Pansies.</b> Finest strain; from open ground.....	Per 100, \$3.00; per doz., 40c	
<b>Petunias.</b> Single, many kinds.....	1 50	15
Double, very fine sorts, fringed and others.....	2 00	20
<b>Pentstemon Murrayanus.</b> Scarlet, white throat.....		25
<b>Pyrethrum,</b> Golden Feather. For edging.....	In boxes, per 100, \$1.50	
<b>Richardia Maculata.</b> "Spotted Calla".....	In pots, each, 25c and 50c	
<b>Salvia Splendens.</b> Brilliant scarlet.....	1 50	15
Patens. Sky blue, very scarce.....	2 50	25
<b>Santolina Argentea.</b> "Sea Lavender." Very fragrant, silvery foliage.....	1 50	15
<b>Saxifraga Sarmetosa.</b> "Mother of Thousands." Fine for hanging baskets.....		
.....	In pots, each, 15c and 25c	
<b>Sedums.</b> 3 kinds; each kind.....	In boxes, per 100, \$1.50	

	Price in pots per doz.	Price in pots each.
<b>Spirea Japonica</b> [Astilbe] (see cut).....		
.....Per clump, 25c		
<b>Stellaria Graminea Aurea</b> .....		
.....In boxes, per 100, \$2.00		
<b>Stevia Serrata.</b> Fine for bouquets.....	\$1 00	\$0 10
.....Large plants..	2 50	25
.....Variegata. Variegated leaves	1 00	10
.....Large plants.....	2 50	25
<b>Thyme.</b> Lemon.....	50	05
.....Variegated. Golden or silver.....	50	05
<b>Tradescantia.</b> "Wandering Jew." 3 distinct		
.....kinds.....	75	10
<b>Tritoma Uvaria</b> "Red Hot Poker"—Plant...		35
<b>Verbenas.</b> A large assortment.....	75	10
<b>Vinca Rosea and Alba.</b> "Madagascar Peri-		
.....winkle".....	1 00	10
.....Major. "Trailing Periwinkle".....	1 50	15
<b>Violets.</b> Double and single. White and blue.		
.....Per 100.....	\$2.00	
.....Per doz....	.30c, from boxes	
.....Double, Swanley white. Extra fine...		
.....Per doz....	.50c, from boxes	
<b>Zephyranthes Candida.</b> A neat little bulbous		
.....plant, flowers somewhat resembling the Cro-		
.....cus. White, pencilled with mauve. Yellow		
.....stamens.....	1 00	10



Spirea Japonica.

## Chrysanthemums.

The merits of this well-known and favorite Flower are justly appreciated. Being hardy, requiring only a minimum amount of care and attention, and never failing to flower under the most adverse circumstances, they should be planted in every garden. The only care is to propagate them by division or cuttings every year. For out-door culture, we would recommend division of the root, for pot culture, propagation by cuttings. During spring and up to July, the tops should be frequently pinched in order to induce a dwarf bushy growth. Do not pinch the tops after July. As soon as the flower buds have formed, nip out all side buds, and leave none but one or two of the terminals. These will be very large, and will well-repay the trouble by their increased size and beauty. The Chrysanthemum is a gross-feeding plant, and though it will succeed in any soil, enjoys plenty of good, well-rotted manure, which enlarges the flowers, and gives the foliage a dark green appearance. After the flower buds have formed, a weekly watering with liquid manure will greatly improve both flowers and foliage.

### NEW VARIETIES OF 1892.

- C. B. Whitnall.** Velvety maroon, shaded crimson.  
**Dr. Covert.** Bright golden yellow.  
**Edward Hatch.** Soft lemon, suffused with pink.  
**Fred Dorner.** Creamy white, delicately pencilled pink.  
**Joseph H. White.** Magnificent pure white.  
**John Berterman.** Ivory white, with cream shadings.  
**Marguerite Jeffords.** Rich bright amber. A notable sort.  
**Mrs. A. J. Drexel.** Crimson scarlet, a new color.  
**Mrs. Maria Simpson.** Chrome yellow, magnificent.  
**Mrs. Robert Craig.** Perfectly double, pure white, Chinese type.  
**Mrs. Louis Childs Madeira.** Bright orange yellow, Chinese type.  
**O. P. Bassett.** A scarlet crimson, of brightest hue.

The above 12 varieties may be regarded as the highest development of the Chrysanthemum at present reached. Price, 75c each; the set of 12 varieties, \$7.00.

### GENERAL LIST.

The following are the leading varieties, but we have many other sorts, not catalogued in this list. Price for small plants, to plant this winter and spring, 20c each; \$2.00 per dozen. Large flowering plants, in 6 and 8-inch pots, ready in fall, 50c to \$1.00 each:

- Ada Spaulding.** "Mrs. Harrison's Cup." Pink and white, globe shaped. Chinese.  
**Belle Poitevin.** Very early, large snow-white, perfectly incurved.  
**Bendigo.** Bright canary, incurved, of fine form. Chinese.  
**Ceres.** Blush pink, magnificent.  
**Chas. A. Reeser.** Creamy white, shaded pink, incurved, late flowering.  
**Christmas Eve, or Mrs. Cannell.** Good, incurved, white, late.  
**C. W. De Pauw.** Pearl pink, suffused with lavender, like a fluffy ball in form, very fine.  
**Diana.** Purest white, quilled, very pretty, Chinese type.



**CHRYSANTHEMUMS—Continued.**

- E. Molyneux.** Rich deep red, faced with bright gold, very large and handsome.
- Emma Dorner.** Fine deep violet pink, with large, ball-shaped flowers.
- Emily Dorner.** Rich orange yellow, touched with crimson, first class.
- Elmer D. Smith.** Rich cardinal red, very pleasing, of enormous size.
- Flora Hill.** Best white yet introduced, of splendid size and heavy texture.
- Frank Thomson.** White, shaded pearl pink, nearly spherical in form, fine.
- Gloriosum.** Best early yellow, very popular.
- G. F. Moseman.** Red and gold, immense, incurved.
- Harry E. Widener.** Bright lemon yellow, very large, a fine exhibition variety.
- Jessica.** White, very long petals, a great bloomer.
- John Lane.** Splendid bright pink, a fine cut flower variety.
- John Collins.** Coppery bronze, bright center, fine, Chinese type.
- John Thorpe.** Velvety lake, large and early, Chinese type.
- Kioto.** Large incurved yellow, strong grower, extra fine.
- La France.** Rich crimson bronze.
- L. Canning.** One of the best whites, should be in every collection.
- Louis Boehmer.** "Pink Ostrich Plume." A strong free grower, producing large violet pink blossoms that are covered with heavy, velvety pile, and of strong constitution.
- Lucrece.** Beautiful incurved white, of good substance.
- Lillian Bird.** Beautiful shrimp pink, of immense size, found in every winning collection.
- Marvel.** Elegant white, often blotched with claret, large and distinct.
- Mermaid.** Delicate pink, regularly incurving petals, extra good.
- Miss Mary Wheeler.** Pearly white, delicately tinted with pink, exquisite form.
- Mistletoe.** Outside of petals silvery white, lined within with crimson, very distinct.
- M. Boyer.** Lilac rose, shaded white, curled florets.
- Molly Bawn.** Pure white, often 10 inches in diameter, fine.
- Mrs. A. Hardy.** "White Ostrich Plume." Pure white, novel and distinct.
- Mrs. Frank Thomson.** White, lined with rosy lilac, fine for exhibition.
- Mrs. Irving Clark.** Pearl white, shading to deep rose, beautifully whorled.
- Mrs. I. D. Sailer.** Soft shell pink, tipped lemon, of enormous size. Took first prize at Philadelphia in 1890, over all other varieties.
- Mrs. Langtry.** A grand exhibition white. Very popular.
- Mrs. Levi P. Morton.** Bright pink, base of each petal white.
- Mrs. Richard Elliott.** (Gold). Extra fine, deep yellow. One of the finest for cut sprays.
- Newport.** Clear rose pink, of novel form.
- Philip Breitmeyer.** Bright golden yellow, sunflower-shaped, fine for pot culture. Chinese type.
- Pelican.** Very large creamy white, incurved. A grand exhibition variety.
- Puritan.** Early white, should be in every collection, suitable for all purposes.
- R. Maitre.** Delicate pink, of largest size, without coarseness. A first prize variety.
- Robt. Bottomley.** Very large, fine pure white, incurved.
- Shasta.** Pure white, large spherical blooms of tubular petals.
- Sunnyside.** Soft flesh pink becoming pure white, fine.
- The Bride.** Fine pure white, very double, outer petals tubular.

We can also supply small plants of many other kinds, not mentioned above, at 15c each, \$1.50 per doz. Our selection.

**Roses.**

This, the "Queen of Flowers," is so generally known and grown, that but little space need be occupied in describing the mode of planting, etc., all that is necessary being a good, deep, rich soil, liberal manuring and good cultivation. The roses we offer are all grown out of doors, are well furnished with roots, and range in height from 1 to 3 feet. They are well established in 4-inch, 6-inch, 8-inch and 10-inch pots. Prices respectively, 25c, 50c, 75c and \$1.00 each; \$2.50, \$5.00, \$7.50 and \$10.00 per dozen, except where specially marked. We give the leading varieties, but can also supply many other kinds not herein mentioned.

**TEA ROSES AND THEIR HYBRIDS.**

*ht*, Hybrid Tea.

- Aline Sisley.** Deep purple rose, changing to violet red, large and beautiful, quite distinct.
- Augustine Guinoisseau.** [New]. "White La France," *ht*. A sport from "La France," of the same habit as its parent, but being even more free flowering than the last named variety. White, shaded with very light pink, 75c each.
- Aurora.** Pale rose, shaded with coppery yellow.
- Bon Silene.** Brilliant carmine rose, a well known variety, beautiful in bud.
- Bougere.** Deep rosy bronze, large and full.
- Catherine Mermet.** Fine fleshy rose color, large, full and of perfect form, a splendid fall bloomer.
- Chas. Rovolli.** Beautiful rosy pink, with deeper centre, large and double, a free bloomer.
- Comtesse Riza du Parc.** Salmon rose, tinted with copper, large and globular, distinct.
- Devoniensis.** Creamy white, very large and double, a grand old rose.
- Duchess de Brabant.** Rosy flesh, globular form, flowering in clusters.

**TEA ROSES AND THEIR HYBRIDS—Continued.**

- Elise Sauvage.** Pale yellow, with orange centre, large, double and globular.
- Ernest Metz.** [New]. Rosy carmine, deepening in the centre, with long pointed buds on long stems, flowers large, robust in growth and of dwarf habit. An extra fine variety, \$1.00 each.
- Etoile de Lyon.** Sulphur yellow, deeper in centre, large, double and of good form.
- General de Tartas.** Dark rose color, large and double.
- Homer.** Bright rose, with frequent markings of white.
- Jules Finger.** Rosy pink, shaded with salmon; large, double and finely formed.
- La France, ht.** Beautiful lilac rose, with silvery lustre, and perhaps the sweetest fragrance of all roses. Universally admired and popular.
- Madame Cusin.** Rosy purple, with yellowish white centre, distinct, and one of the prettiest.
- De Watteville.** The "Tulip" Rose. Salmon white, each petal bordered with bright rose, like a Tulip, large and double, a fine rose.
- Falcot.** Apricot yellow, fuller and lighter in color than Safrano, charming in bud.
- Jos. Schwartz.** White, tinted with bright rose, exquisite in coloring, a grand rose.
- Lambard.** Salmon pink, shaded with rose; large, double and globular; good.
- Margottin.** Dark citron yellow, with deeper centre; large, globular and free blooming.
- Schwaller, ht.** Rosy flesh, lightened at the centre; a fine round flower; large, free and vigorous. 75c each.
- Welsh.** Pale yellow, with orange centre, distinct.
- Marie Guillot.** White, slightly tinged with yellow, large, double and beautifully imbricated in form, especially fine in the fall.
- Marie Van Houtte.** Canary yellow, tipped with rose, finely formed, good.
- Niphotos.** Beautiful clear white, with long pointed buds, free growing and vigorous.
- Papa Gontier.** Dark carmine crimson, with long buds. Exceedingly free flowering.
- Perle des Jardins.** Beautiful rich yellow, of large size and perfect form.
- Rainbow [New].** Deep pink, striped and splashed with crimson; base of petals, rich amber; large, of sweet fragrance, and free flowering. 75c each.
- Regulus.** White, shaded pink in center; an old rose, but good.
- Safrano.** Bright apricot in bud, changing to buff.
- Sombreuil.** White, shaded salmon; large, double and vigorous; fine.
- Souvenir de Wootton, ht.** Bright crimson and very fragrant, especially good.
- Souvenir d'un Ami.** Delicate rose, shaded salmon; large, double, and exquisitely fragrant; a vigorous grower and free bloomer.
- Sunset.** Deep apricot, beautifully shaded with salmon, very fine; a sport from Perle des Jardins, and of the same habit.
- The Bride.** Pure white, shaded lemon, very large and full; a sport from Catherine Mermet, and of the same habit.
- The Queen [New].** Pure snow-white, very sweet, with fine buds; a vigorous healthy grower, and a continuous bloomer. 75c each.
- Triomphe de Luxembourg.** Coppery rose, superb; very large and full.
- Yellow Tea.** The original yellow variety, deep yellow, full and vigorous.

**HYBRID PERPETUAL ROSES.**

- American Beauty.** Rosy crimson, shaded scarlet, very double and fragrant.
- Anna de Diesbach.** Clear bright pink; very large and finely shaped, full and fragrant.
- Captain Christy.** Delicate flesh color, deeper in centre, large and effective, a good full bloomer.
- Charles Lefebvre.** Bright velvety scarlet, petals smooth and thick, beautifully formed.
- Dingee Conard.** Bright crimson, of vigorous growth.
- Dinsmore** ———. Rich scarlet crimson, large, double and an incessant bloomer.
- Duchess of Albany.** Similar to La France, but a rich, deep, even pink throughout. This rose is in reality a Hybrid Tea, though usually classed with the Hybrid Perpetuals.
- General Jacqueminot.** Brilliant velvety crimson, beautiful in bud, probably the most popular red rose.
- Gloire de Margottin.** Dazzling red, a brilliant variety, large, full and globular. Vigorous and free blooming. One of the best.
- John Hopper.** Bright rose, with crimson centre; large, full and good.
- La Reine (see cut).** Rose, tinted with lilac, large, full and fine; very fragrant.
- Madame Charles Wood.** Vivid crimson, flushed with scarlet, large, very double, and a continuous bloomer. One of the best.
- Magna Charta.** Bright pink, very large, full and of good form; habit erect, with magnificent foliage.
- Paul Neyron.** Dark rose, immense flower, fine form and habit. One of the best.
- Prince Camille de Rohan.** Crimson maroon, shaded with blood red, very rich and velvety; distinct and good.
- Ulrich Brunner.** Rich glowing scarlet crimson, of exquisite shape, a strong vigorous grower and excellent in all respects.
- White Baroness.** A pure white sport from Baroness Rothschild, large, full and distinct.

**CLIMBING ROSES.**

- Banksian.** White. Very sweet, blooming in clusters, violet scented; a good pillar rose.
- Yellow. Small, but very beautiful, well adapted for training up verandahs.
- Celine Forestier.** [Noisette] Pale yellow, a free bloomer, large and double.
- Cloth of Gold.** [Noisette.] Yellow, large and very double, of very robust and vigorous growth. succeeds well in this climate.





Rose—La Reine.

**CLIMBING ROSES—Continued.**

- Gold of Ophir.** [Noisette.] Salmon and fawn, shaded with copper, of vigorous growth.
- Lamarque.** [Noisette.] White, well known, constant flowering. The best white climbing rose.
- Marechal Niel.** [Noisette.] Beautiful, deep yellow, full and globular; magnificent.
- Reine Marie Henriette.** [Tea.] A red Gloire de Dijon, with large, full flowers, a great acquisition as a climbing or pillar Rose.
- Solfaterre.** [Noisette.] Sulphur yellow, large and fine; vigorous.
- Washington.** [Noisette.] Pure white, flowering in clusters, a very rampant grower.
- W. A. Richardson.** [Noisette.] Growth very vigorous, flowers full, color splendid, orange-yellow, beautiful in bud.

**MISCELLANEOUS ROSES, OF VARIOUS CLASSES.**

- Agrippina.** [Bengal]. Fine deep crimson, excellent in bud.
- Archduke Charles.** [Bourbon]. Rosy crimson, varying to blush in winter; very distinct.
- Cramoisi Superieur.** [Bengal]. Vivid crimson, very free flowering, and showy for bedding.
- George Pernet.** [Polyantha]. Bright yellowish rose, changing to peach color; a continuous bloomer, of dwarf habit.
- Glory of Mosses.** [Moss]. Blush, large and full. One of the best Moss Roses.
- Hermosa.** [Bourbon]. Delicate rose, very double, and of perfect shape. A most abundant bloomer, and though an old variety, still one of the best for bedding.
- Little Gem.** [Polyantha]. Blush, of dwarf habit, and a continuous bloomer.
- Lucullus.** [Bourbon]. Vivid crimson, flowers well in the fall.
- Luxembourg.** [Moss]. Bright crimson red, of good shape.
- Mignonette.** [Polyantha]. Bright pink, of dwarf habit, and a constant bloomer.
- Persian Yellow.** [Austrian Briar]. Fine golden yellow, the richest and purest color of any Rose. Summer flowering only.
- Queen of Scarlets.** [Bengal]. Dazzling scarlet, very free flowering. A good bedding Rose.
- Viridiflora.** [China]. The true green Rose. Unique and interesting.

# Greenhouse Plants.

Under this heading will be found a few plants that may be grown in an ordinary lath house, but as they are eminently suitable for Greenhouse culture, we have not made a separate list. Those varieties marked with an asterisk [\*] require warmth during the winter months (say a temperature of not less than 50°) during the night.

	Price each.
* <i>Acalypha</i> MacAfeeana. A beautiful ornamental foliaged plant.....	\$0 50 to \$1 00
<i>Achimenes</i> . Eight distinct kinds. Beautiful little greenhouse bulbous plants, of very brilliant colors.....	50
* <i>Ananassa</i> Sativa. "Pine Apple".....	50 & 2 00
* <i>Anthurium</i> Magnificum. Massive green leaves, striped and veined.....	1 50 to 2 50
*Regale. [Lindenii]. Very fine.....	1 50 to 2 50
<i>Ardisia</i> Crenulata. Very ornamental, bearing red berries in profusion.....	1 00
<i>Aspidistra</i> Lucida. Most useful for table decoration.....	25 to 75
Variegata. Most useful for table decoration.....	25 to 75
Punctata. Spotted.....	25 to 75
* <i>Begonia</i> Rex (see cut, p. 67). A great variety. Leaves very ornamental.....	25 to 75
The following are all Evergreen varieties, and may be bedded out in warm, sheltered situations.	
<i>Argyrostigma</i> Picta. Leaves smooth and glossy, light green, dotted with white.....	25 to 50
<i>Fuchsoides</i> . Fine drooping scarlet flowers.....	15 to 50
<i>Ingrahami</i> . Similar to <i>Saundersiana</i> , but having light pink flowers.....	15 to 50
<i>Manicata</i> . Flesh color, very free flowering.....	25 & 50
<i>Metallica</i> . Flowers pink in bud, waxy white when expanded; leaves are lustrous bronze green, with dark red veins.....	25 & 50
<i>Multiflora</i> . Flowers flesh color, with small glossy green leaves, very free flowering..	15 to 50
<i>Nitida</i> . Pale rose, in large bunches, leaves light glossy green.....	25 & 50
<i>Rubra</i> . Large, drooping panicles of scarlet flowers; leaves very large and waxy; fine.....	25 & 50
<i>Saundersiana</i> . Fine scarlet, heart-shaped flowers. A constant bloomer.....	15 to 50
<i>Sanguinea</i> . White flowers, under side of leaves brilliant crimson.....	25 & 50
<i>Schmidtii</i> . Delicate flesh-colored flowers, with pretty foliage. A most abundant bloomer, dwarf habit.....	25 & 50
<i>Semperflorens</i> alba. Flowers white. A constant bloomer.....	25 & 50
<i>Weltoniensis</i> rosea. Deep rose, with beautiful leaves. A lovely pot plant.....	15 to 50
Alba. A variety of the preceding, with pure white flowers.....	15 to 50
<i>Zebrina</i> . Zebra-striped leaves of a bronzy hue.....	25 to 50

**Caladiums.** Fancy. Leaves very elegant, variously mottled and blotched; 25 varieties..  
 Dry tubers in winter.....50c  
 Started plants in summer only..... 75 & 1 00

**Cineraria hybrida.** From finest strains; all colors..... 25 to 50  
 Dwarf. From the finest strains; all colors..... 25 to 50  
 Double. Very fine; all colors..... 50 to 75

\***Clerodendron Balfourii.** A beautiful tender climber, producing beautiful white and red flowers abundantly..... 75 & 1 00

**Coccoloba Platyclada.** "Seaside Grape." Very curious, with flat stems and leaves..... 25 & 50

\***Crotons**, in variety. Leaves are very finely veined or blotched..... 1 00 to 3 00

**Cyclamen Persicum.** (See cut). White and pink. A charming Greenhouse Bulbous plant. Dry bulbs [in fall only].....25c each 50

\***Dieffenbachia Baraguayensis.** Very handsome, light, yellowish green leaves..... 1 00 & 1 50

    \**Picta*. Leaves spotted with white..... 1 00 & 1 50

\***Dracæna** Guilfoylei. A very ornamental variety. Leaves variegated green and yellow..... 50 to 3 00

    \**Haageana*. Green leaves..... 50 to 1 50

    \**Spectabilis*. Very fine for house decoration..... 50 to 1 50

\***Eranthemum Rubrum.** Beautiful red leaves and pretty flowers..... 75 & 1 00

    \**Sanguineum*. Leaves blood red..... 75 & 1 00

    \**Tricolor*. Leaves green, red and silvery white..... 75 & 1 00

\***Eucharis Amazonica.** "Lily of the Amazon." A lovely, white bulbous plant. Flowers shape of a six-pointed star, and of the purest white..... 75 & 1 00

**Euphorbia Splendens.** Flowers bright scarlet, stem thorny..... 50 to 1 50



Cyclamen Persicum.



**GREENHOUSE PLANTS—Continued.**

<b>Imantophyllum</b> [Clivea] <i>Miniatum</i> . An evergreen bulb, with brilliant orange scarlet flowers, very fine.....	Price each.	\$1 00 to \$2 00
* <b>Jatropha</b> <i>Euphorbioides</i> . Very ornamental for Greenhouse or Conservatory.....		1 00 & 1 50
* <b>Maranta</b> <i>Makoyana</i> . Leaves green, with silvery markings.....		75 to 1 50
* <i>Massangeana</i> . Leaves very ornamental.....		75 to 1 50
* <i>Zebrina</i> . Leaves zebra striped.....		75 to 1 50
* <b>Peperomia</b> <i>Maculosa</i> . Leaves green, with white markings. A neat plant.....		50 & 75

	Price each.	
<b>Magnoliaefolia</b> . Leaves large, waxy and thick; very handsome.....		\$0 75 & \$1 00
<b>Resedaeflora</b> . White flowers, resembling <i>Mignonette</i> . Very fine.....		75
<b>Pilea</b> <i>Serpifolia</i> . "Artillery Plant" (see cut). An interesting little plant, which becomes covered with small pink blossoms. Very useful for table decoration.....		35
<b>Primula</b> <i>Sinensis</i> . "Chinese Primrose." Red or white. Good house plants, fine for window decoration in winter.....		25 & 50
<b>Obconica</b> . Pretty, lilac-colored flowers; an abundant bloomer during winter and spring.....		25 & 50
<b>Strelitzia</b> <i>Augusta</i> . See Seed List for description. Large plants.....		4 00 & 5 00
<b>Reginae</b> . See Seed List for description. Large plants.....		2 50 to 5 00



*Pilea Serpifolia.*

Copy of Letter received from the World's Fair, Chicago, Ill., on June 4th, 1892, acknowledging receipt of Palms and other plants shipped to them by us on May 13th, 1892.

(J. L. OLMSTED & Co., Landscape Architects).

Office of D. H. Burnham, Chief of Construction,  
World's Columbian Exposition,  
Jackson Park, Chicago.

Germain Fruit Co., Los Angeles, Cal.

Gentlemen—The plants sent by you to the World's Columbian Exposition arrived in first-rate order, and are generally perfectly satisfactory. The packing was well done, and the plants all travelled without injury. We have approved the bills, and sent them to the Accounting Department for payment. Thanking you for your trouble and care, we remain,

Yours very truly,

F. L. OLMSTED & CO., Landscape Architects.

**Palms, Etc.**

For descriptions see Palm Seed List, pp. 87-89.

<b>Areca</b> <i>Lutescens</i> (see cut, p. 87).....	In 6-in. pots,	Price each. \$2 50.	In 10-in. pots	Price each. \$4 00 to \$6 00
<i>Madagascariensis</i> .....	6-in. pots,	3 50.		
<i>Rubra</i> .....	5-in. pots,	1 50.		
<i>Sanderiana</i> .....	5-in. pots,	2 00.	In 10-in. pots	5 00
<i>Sapida</i> .....	6-in. pots,	2 50.		
<i>Verschaffeldtii</i> .....	5-in. pots,	2 00.	In 10-in. pots	5 00
<b>Brahea</b> <i>glauca</i> [Blue Palm].....	5-in. pots,	50, according to size, up to...		5 00
<b>Caryota</b> <i>Urens</i> . "Himalayan Palm".....	5-in. pots,	50.		
<b>Chamærops</b> <i>Excelsa</i> . "Japanese Fan Palm".....	5-in. pots,	50, according to size, up to...		5 00
<i>Humilis</i> . "Dwarf Fan Palm".....	5-in. pots,	50, according to size, up to...		5 00
<i>Canariensis</i> .....	2½-in. pots,	25.		
<b>Cocos</b> <i>Plumosus</i> .....	5-in. pots,	2 50, according to size, up to...		5 00
<i>Weddelliana</i> .....	2½-in. pots,	50.		
<b>Corypha</b> <i>Australis</i> .....				4 00
<b>Cycas</b> <i>Revoluta</i> .....				1 50 to 15 00
<b>Erythea</b> <i>Edulis</i> .....	In 6-in. pots,	75c, according to size, up to...		2 50
<b>Kentia</b> <i>Belmoreana</i> .....		According to size		50 to 10 00
<i>Fosteriana</i> .....		Large plants		12 00 to 15 00
<b>Latania</b> <i>Borbonica</i> . Chinese Fan Palm.....				1 50 to 7 50
<b>Pandanus</b> <i>Javanicus</i> <i>Variiegatus</i> .....				5 00
<i>Utilis</i> .....				1 50 to 5 00
<i>Veitchii</i> .....				1 50 to 7 50

**PALMS, ETC.—Continued.**

		Price each.
<b>Phoenix</b> Canariensis (see cut, p. 88).....	In 6-in. pots, 75c, according to size, up to...	\$5 00
Dactylifera.....	According to size, up to...	2 50
Reclinata.....	In 6-in. pots, \$1.00; 8 & 10-in. pots	2 50 to 3 00
	Extra large specimens in tubs.....	6 00
Rupicola.....	In 6-in. pots, \$1.50	
Sylvestris.....	6-in. pots, 1.50	
Tenuis.....	6-in. pots, 1.00; 7 & 8-in. pots	1 50 & 2 00
<b>Raphis</b> Flabelliformis.....	In 6-in. pots, \$1.50; 7-in. pots, \$2.50; 10-in. pots	5 00
<b>Seaforthia</b> Elegans.....	In 5-in. pots, 75c, according to size, up to	2 00
<b>Washingtonia</b> Filifera.....	In 2½-in. pots, \$ 7.50 per 100	10
	5-in. pots, 20.00 per 100	25
	In cans or boxes, extra large, 2 to 3 ft. high	75 to 1 50

**Ferns.**

No collection of plants is complete without Ferns. Their popularity has greatly increased during the past few years, and now they are indispensable in all choice floral decorations, and are especially valued for room and table decoration. Where there is shade and moisture most of the varieties succeed well when planted out of doors. Good drainage must be provided as stagnant water is fatal to success.

The plants we offer are in 5 and 6-inch pots, and well established.

		Price each.
<b>Adiantum.</b> [Maiden Hair]. Bellum. A beautiful curled variety.....		\$0 75 to \$1 00
Capillus Veneris. "Common Maiden Hair".....		25 to 50
Cuneatum. Very fine.....		50 to 75
Formosum. A pretty upright species, with large spreading fronds.....		75 to 1 00
Gracillimum. The smallest and most graceful.....		50 to 1 00
Pubescens. A useful basket variety.....		50 to 1 00
Williamsii. Tall growing, very handsome.....		75 to 1 00
<b>Asplenium</b> Bulbiferum. Bears bulbets on the ends of the fronds, interesting.....		75 to 1 00
<b>Cyrtomium</b> Falcatum. Rare and curious.....		50 to 75
<b>Lastrea</b> Aristata Variegata. Very ornamental.....		50 to 75
<b>Lygodium</b> Scandens. "Japanese Climbing Fern." A beautiful climber.....		75 to 2 00
<b>Nephrolepis</b> Exaltata. [Sword Fern].....		50 to 1 00
<b>Polypodium</b> Aureum. Large foliage of a bluish tint.....		50 to 1 00
<b>Polystichum</b> Coriaceum. A pretty spreading fern.....		50 to 1 00
<b>Pteris</b> Cretica Alba Lineata. A useful variegated variety.....		50 to 75
Serrulata. A well known and useful variety for decorative purposes.....		25 to 75
Cristata. A pretty crested form of the above.....		50 to 1 00

**Orchids.**

These prices include, with each specimen, one of our new style of Orchid bracket made of the best galvanized wire, which will not rust, and at the same time give greater porosity to the plant than is obtainable by earthen pots or discs.

	Native Country.	Time of Flowering.	Color of Flowers.	Price each.
<b>Aerides</b> Curvifolium. [Saccolabium Curvifolium].....	Java.....	Spring.....	Vermillion.....	\$ 4 00
Japonica Najoran.....	Japan.....	July.....	Greenish, white, violet blotch	2 50
<b>Angreecum</b> Falcatum. Fragrant.....	China & Japan	Winter.....	White.....	2 50
<b>Arpophyllum</b> Cardinale. [Celia Squarrosa].....	Guatemala.....	Summer.....	Rose, deep red lip.....	6 00
<b>Brassavola</b> Glauca. Very fragrant.....	Mexico.....	March.....	Pale green, large white lip.	3 00
<b>Brassavola</b> Venosa. Very fragrant.....	Honduras.....	Spring.....	Greenish, white cap....	3 00
<b>Brassia</b> Verrucosa Alba. [Very large clumps].....	Mexico.....	June.....	White.....	10 00
<b>Cattleya</b> Citrina. Tulip shaped; very fragrant.....	Mexico.....	June.....	Yellow.....	3 00
Luteola.....	Brazil.....	October.....	Yellow.....	4 00
Skinnerii.....	Guatemala.....	April.....	Violet, with crimson lip, white centre.	4 00
<b>Chysis</b> Aurea.....	Mexico.....	Various sometimes twice a year.	Lemon yellow, marked crimson.	4 00
<b>Cymbidium</b> Aleoifolium. [Aerides Borassii.]	Terrestrial East Indies.....	September.....	Pale purple.....	3 00
<b>Cypripedium</b> Insigne. "Ladies' Slipper." Terrestrial.....	India.....	Winter.....	White, purple & green	3 00
Venustum. "Ladies' Slipper." Terrestrial.....	India.....	Winter.....	Green and purple.....	3 00
<b>Dendrobium</b> Hillii.....	Australia.....	Fall.....	Creamy white.....	6 00
Kingianum.....	Queensland.....	February.....	Purple and blood red..	5 00
<b>Epidendrum</b> Atropurpureum. Very fragrant.....	Mexico.....	May.....	Purple and rose.....	3 00
Brassavola.....	Guatemala.....	Fall.....	Orange yellow, lip white, tipped mauve.	4 00
Vitellinum Majus.....	Mexico.....	May.....	Orange scarlet.....	2 00



**ORCHIDS—Continued.**

	Native Country.	Time of Flowering.	Color of Flowers.	Price each.
<b>Lœlia</b> Anceps.....	Mexico.....	December.....	Rose and purple.....	{ 16 \$3 00 10 \$5 00
Acuminata.....	Guatemala.....	December.....	White, with purple spot	5 00
Autumnalis.....	Guatemala.....	November.....	Rosy purple, white lip	3 00
Elegans.....	Caracas.....	November.....	Rosy purple.....	5 00
<b>Lycaste</b> Aromatica. Beautifully fragrant, like Allspice.....	Mexico.....	March.....	Golden yellow.....	5 00
Skinnerii. Very fragrant; a fine orchid.....	Guatemala.....	March.....	White and rose.....	5 00
<b>Odontoglossum</b> Grandiflorum "Chinese Baby".....	Guatemala.....	Fall.....	Mottled, brown & yellow	{ 10 \$3 00 10 \$5 00
Reichenheimii. [Miltonia].....	Mexico.....	Various.....	Yellow and green, purple lip.....	3 00
<b>Oncidium</b> Papilio. [Butterfly Orchid].....	Honduras.....	July.....	White, purple lip.....	2 00
<b>Stanhopea</b> Oculata. [Ceratochilus Oculatus].....	Mexico.....	September.....	Yellow, with purple rings.....	3 00
<b>Trichopilea</b> Tortilis. Twisted flowers, very curious.....	Mexico.....	Various seasons	White, with twisted brown perianth.....	3 00

Those varieties marked Terrestrial, may be grown like ordinary Greenhouse Plants in Flower Pots and good soil. All the others are Epiphytal, *i. e.*, draw their nourishment from the air and moisture, and consequently require a support which must, however, be porous. Blocks of wood are usually used, or sometimes earthen ware discs, but the best thing is our new Orchid Bracket. Price of Brackets (unfilled), 75c and \$1.00 each.

**Succulent Plants.**

		Price each.
<b>Agave</b> Americana. "Century Plant.".....	In 4-in. pots 35c, 6-in. 50c, 8-in. \$1.00, 9-in. Extra large specimens in tubs.....	\$1 50 5 00 3 00
Variegata.....	In 4-in. pots 50c, 6-in 75c, 7-in. \$1.00, 8-in. \$1.50, 10-in.....	1 00 to 2 00
<b>Aloes.</b> Six varieties.....		35 to 1 00
<b>Cactus.</b> Cereus Flabelliformis.....		1 00
Grandiflorus. Night blooming, large plants.....		2 00
McDonaldii, large plants.....		2 00
Noctiflorus. Night blooming, large plants.....		2 00
Speciosus, large plants.....		2 00
Triangularis, large plants.....		2 00
Echinocactus horridus. "Hedgehog" Cactus.....		1 00
Kippleyi.....		1 50
Horizontalis.....		1 00
Echinocereus Candicans. "Rainbow" Cactus.....		75 & 1 00
Epiphyllum Truncatum. "Lobster" Cactus.....		35 to 1 00
Opuntia Sativa.....	Extra size, in large tubs, each \$3.00	50
Pilocereus Senilis. "Old Man" Cactus, with long hair.....		1 00 to 1 50
<b>Echeverria</b> Arborea.....		25
<b>Gasteria</b> Angulata.....		1 00
<b>Sempervivum</b> Crassula. "House Leek".....		50
<b>Yucca</b> Tricolor. Very ornamental.....		3 00

**WATER LILIES AND OTHER AQUATIC PLANTS.**

	Price each.	Price per doz.
<b>Eichornia</b> [Pontederia] Crassipes Major. "Water Hyacinth." Flowers light blue, on spikes.....	50c	\$5 00
<b>Limnocharis</b> Humboldtii. "Water Poppy." Flowers sulphur yellow, with black stamens.....	75c	5 00
<b>Nelumbium</b> Speciosum. "Egyptian or Sacred Lotus." Beautiful rosy flowers.....	50c	4 00
<b>Nymphaea</b> Flava. "Yellow Water Lily." Very fragrant flowers, leaves variegated with brown.....	50c	5 00
Odorata "White Water Lily." Lovely fragrant flowers, of easy culture.....	50c	5 00
<b>Sagittaria</b> Variabilis. "Arrowhead." Arrow-shaped leaves, with white flowers.....	35c	3 50
<b>Water Fern.</b> [Azolla]. Resembling a Selaginella or Lycopodium.....	10c	1 00

**Miscellaneous Fruit Trees.**

	Price each.	Price per doz.
<b>Guava.</b> Pear-shaped. [Psidium pyrifera]. White.....	25c to \$0	35
Strawberry. [Psidium Cattleense]. Purple.....	In 3-in. pots, per 100, \$8.00	15
	In 4-in. pots, per 100, \$10.00	20c to 25
	Large plants	35
<b>Loquat.</b> [Eriobotrya Japonica]. Common.....	Large plants in tubs	1 00
Ford's Improved.....	3 to 4 feet	50

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Olives.  
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Pomegranates.  
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Raspberries.  
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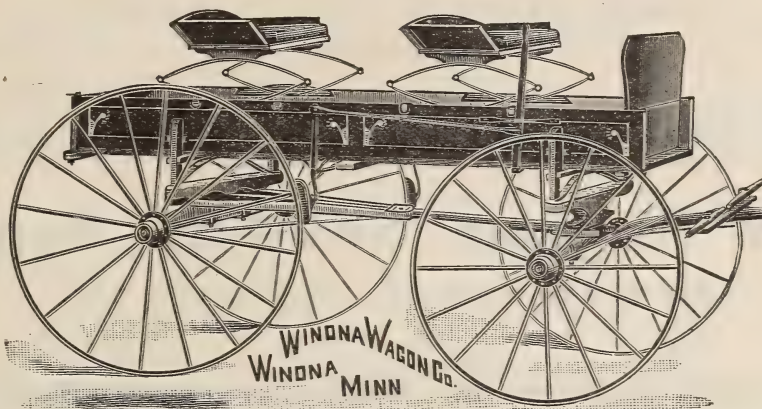
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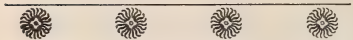
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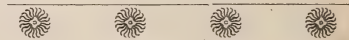
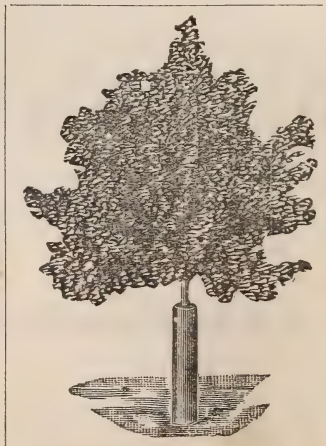
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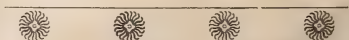
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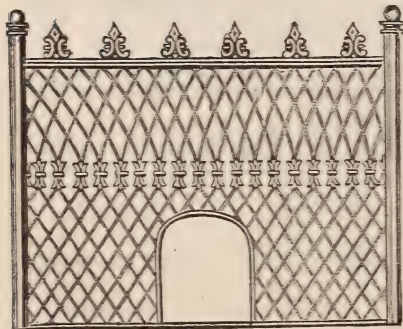
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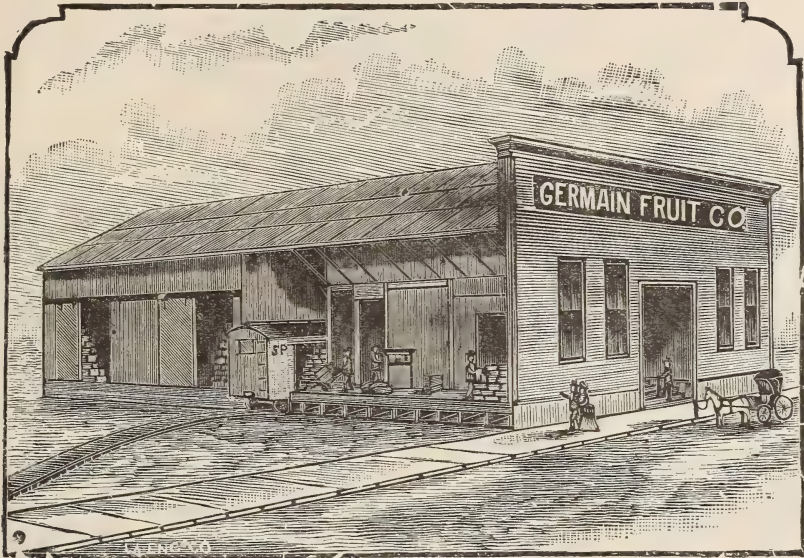


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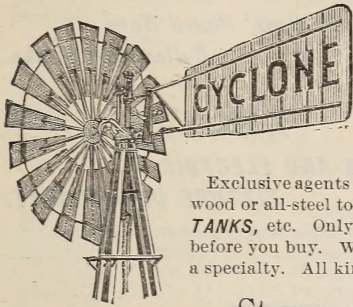
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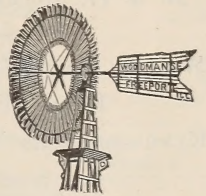
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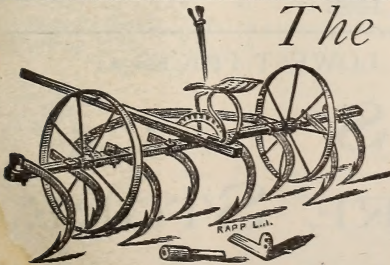
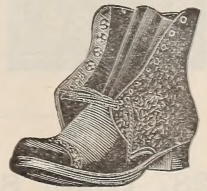
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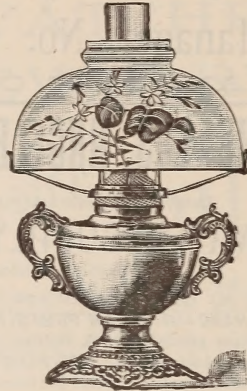
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