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Payne's Giant Branching Comet or Ostrich Plume Aster

345 S. Main St. Los Angeles, USA
HEADQUARTERS FOR ALL KINDS OF  
California Wild Flower Seeds,  
Native Plants, Trees and Shrubs  

THERE are no plants which harmonize so perfectly with the landscape or are so well adapted to the climatic conditions of California, as the native plants which nature herself intended to grow here. Realizing this great truth I have for many years made a study of the California flora, advocating the conservation of our wild flowers, trees and shrubs, and the more general use of them in our gardens, parks and public grounds. A few years ago I established a nursery for the propagation of exclusively native plants, which is the only nursery of its kind in California. I now have a large number of species which I am offering for sale, a price list of these may be had upon request. Of California wild flower seeds I have over 100 beautiful species, about 50 of these will be found with brief descriptions on pages 35 and 36 of this catalogue; for a complete list of wild flowers and also for full descriptions of those kinds mentioned herein, send for the new edition of my illustrated booklet, "California Wild Flowers, Their Culture and Care," price 15c postpaid.

California Wild Gardens

BEING an advocate of the naturalistic school of planting, I specialize in the making of Wild Gardens or natural plantings of California native plants. "The Wild Garden" in Exposition Park, Los Angeles, just completed, was conceived, planned and carried out in every detail by myself, not a tree, shrub or plant was set in the ground until I had personally selected the spot for it. This garden covers approximately 5 acres and contains over 200 species of California native trees, shrubs and wild flowers, planted in such a way as to reproduce as nearly as possible a piece of natural landscape. Being the first garden of its kind ever made in California, it merits a visit from everyone interested in our native flora.

I shall be glad to consult with anyone desiring landscape work of this nature. Correspondence invited and estimates furnished.

MY OTHER PUBLICATIONS

CALIFORNIA WILD FLOWERS, Their Culture and Care. Third edition, revised and enlarged. A treatise describing over a hundred beautiful species, with a few notes on their habits and characteristics. Mailed upon receipt of 15c.

NATIVE TREES AND SHRUBS. I make a specialty of growing native trees and shrubs and issue price lists from time to time, of the kinds I have large enough for sale. The latest list will be mailed free on application.

PAMPHLET ON BEAUTIFYING VACANT LOTS. This pamphlet deals with the beautifying of vacant lots and waste pieces of ground, by sowing California wild flower and other hardy annual flower seeds. It gives full directions for preparing the ground, sowing the seed, etc. Mailed free upon request.

BULB CATALOGUE. Every fall I publish a catalogue of Dutch and other bulbs, giving full cultural directions for same. This catalogue also contains a large list of flower seeds for fall sowing, including some of the most desirable wild flowers. Mailed free upon request.

EUCALYPTUS TIMBER CULTURE. I publish in separate pamphlet form the pages in this catalogue, devoted to Eucalyptus culture. Mailed free upon request.

TRADE PRICE LIST. For Nurseriesmen. I publish a special list of tree, shrub and palm seeds, which will be mailed free to bona fide Nurseriesmen upon application.
TO MY FRIENDS AND PATRONS

In presenting this, my twelfth annual catalogue, I wish to call the attention of intending planters to the following reasons why I can render them superior service and offer seeds and plants unsurpassed for California and the Southwest.

Experience.—To new and prospective customers I would like to say that having had twenty-seven years' practical experience in the Seed and Nursery business (twenty-two of which have been spent in Southern California), I feel I am in a position to give advice regarding all horticultural matters pertaining to this section.

Sources of Supply.—My sources of supply are world-wide, and my stocks are purchased wherever the best seeds are obtainable. Having traveled extensively through the principal seed-growing centers of England, Germany and France, as well as this country, I am personally acquainted with most of the growers. I have seen their crops and observed their methods, and therefore am in a position to secure the best seeds.

Vegetable Seeds.—In my list of vegetable seeds will be found varieties thoroughly tried in California, and adapted to prevailing conditions of soils and climate. I have written special instructions for the growing of each kind.

Flower Seeds.—This is a great specialty of mine, and I wish to call your particular attention to my list of Novelties and Specialties in Flower Seeds on pages 17 to 22. California Wild Flower Seeds on pages 35 and 36, also my superior strains of Pansy, Stock, Antirrhinum, Cineraria, Coleus, Calceolaria, Aster, Scabiosa, Sweet Pea and Mammoth Zinnia. I have written instructions for the growing of annuals under California conditions, and special directions for all other Flower Seeds, thus making this portion of my catalogue the most complete ever published on this coast.

Eucalyptus Seeds.—This is a department to which I have given much study and many years of careful observation. I shall be pleased at any time to give intending planters advice on this subject. In these pages will be found full directions for sowing the seeds, raising and transplanting the plants. Of those species obtainable here, my seeds are collected by my own men under my personal supervision from specimen trees, and can be relied on to be of the purest quality and true to name. For those species not yet obtainable here, I am in direct communication with the very best and most reliable authorities in Australia, who collect the seeds for me in their native habitats.

Tree and Palm Seeds.—Of these I have the largest and most complete assortment offered on the Pacific coast, including rare and desirable species. I enjoy a large trade in these among nurserymen, who will testify to their genuineness and quality.

Nursery Department.—In this department I have a most complete list of Roses, specially adapted to Southern California conditions. In Carnations, many varieties of great merit. Fruit trees, all the standard sorts in No. 1 grade trees, besides a full assortment of Climbing and Flowering plants, Ornamental Trees and Palms, I also make a specialty of growing California Native plants and trees, of which I now have over sixty species ready for sale.

Landscape Department.—Specializing on California Wild Gardens and natural plantings of our native flowers, shrubs and trees, it will afford me a pleasure to consult with those contemplating garden making. Nothing blends so harmoniously with a California landscape as the native flora, and nothing can be more effective at a minimum of expenditure in money, time and labor. Correspondence invited and estimates furnished.

Gardeners.—I keep a register of gardeners' names, and to all customers wanting such help, I will be pleased to recommend competent men.

Thanking friends and customers for their generous patronage in the past, and assuring them that I will use every endeavor to merit a continuance of their favors,

Sincerely,

THEODORE PAYNE.

OBSERVE WHEN ORDERING

How to Order.—Write plainly your name, town, county, and state, giving street numbers and postoffice box number, if any. Send all money, in the postoffice or express money order, bank draft or check, and small sums by registered letter. Postage stamps received in sums up to one dollar.

Terms.—Orders must invariably be accompanied with the cash, or satisfactory reference.

Prices.—As the prices on all staple articles are governed by the market fluctuations, they are subject to change without notice.

Postage Prepaid.—I prepay postage at prices quoted in this catalogue on all flower, tree, palm and vegetable seeds, except peas, beans, corn, grass and clover seed, stock bees, or where otherwise noted. All plants, trees and bulbs are forwarded at purchaser's expense; for further particulars see heading above Nursery Department.

Parcel Post.—Seeds can be forwarded by parcel post, and owing to the convenience of having mail delivered at your door, it is well to take advantage of the low rates. 20 pounds anywhere within the city limits of Los Angeles for 15c; 20 pounds one hundred and fifty miles 24c, and 1c for each additional pound up to 50 pounds. Nothing heavier than 20 pounds may be mailed farther than 150 miles in one package. The Eighth Zone includes the postoffice to Canada is 16c per pound.

DOMESTIC PARCEL POST RATES

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When it is required that postage be added to the purchase price of any article, note the distance from Los Angeles and see which zone you are in. It is then easy to estimate the exact amount of postage required.

Non-Warranty of Seeds.—While I exercise the greatest care to have all seeds pure and reliable, I do not give any warranty, expressed or implied. If the purchaser does not accept the seeds on these terms and conditions, they must be returned at once, and the money paid for the same will be refunded.

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GARDEN CALENDAR

NOTE.—In all cases read the special instructions for sowing the different kinds of vegetable and flower seeds, which are given under the headings throughout this catalogue.

JANUARY

Vegetable Garden.—If the ground has not already been worked over this season, spread a good thick dressing of manure and dig deeply, working the surface down finely with a rake. Remove the refuse, carrots, cress, corn, salad, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, parsnip, potatoes, radish, spinach, squash, tomato and turnip. Prepare hot beds and sow peppers and tomatoes. Plant potatoes, asparagus, horseradish and rhubarb roots and cabbage plants.

Flower Garden.—If the ground has not been worked over this season, spread a good thick dressing of stable manure over the surface, and dig as deep as possible. Prepare the ground and sow agapanthus, L.

FEBRUARY

Fruit Trees.—All deciduous fruit trees can be planted this month.

Vegetable Garden.—Sow beet, early cabbage, carrot, corn, salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, parsnip, potatoes, radish, rhabarb, salisify, spinach, turnip, also egg plant, peppers and tomatoes on hot beds. Plant potatoes, asparagus, horseradish and rhubarb roots and cabbage plants.

Flower Garden.—This is a good month to plant roses and all kinds of ornamental trees and shrubs. Sow aeroclinum, alyssum, annthirium, calendula, callistephus, cosmos, echinacea, gaillardia, larkspur, linum, lupines, mignonette, nemea phila, nigella, poppies and sweet peas. Continue to plant narcissus, jonquils, anemones, rannunculus. German iris, Japanese iris, Lilium auratum, L. speciosum and L. humboldtii, also calla lilies, gladiolus, amaryllis, agapanthus, lily of the valley, spiraea, and dietya.

MARCH

Fruit Trees.—Planting of all deciduous fruit trees may also be planted now.

Vegetable Garden.—Sow artichoke, asparagus, beans, beets, Brussels sprouts, cauliflower, celery, chervil, chocolate, corn, salad, sour, cress, cucumber, dandelion, egg plant, endive, kale, kohlrabi, leek, lettuce, musk melon, watermelon, yam, parsley, parsnip, peas, pepper, potatoes, radish, rhabarb, salisify, soil, squash, sweet potato, tomato and turnip. Plant out cabbage, tomato and pepper plants.

Flower Garden.—Continue to plant roses and ornamental trees. This is also a good month for February and the previous months may still be sown in the garden. Sow marunaseth, aster, balsam, beconia, celosia, centaurea, coreopsis, dahlia, glicinia, helianthus, heliotrope, helenium, helenium, hybiscus, malope, mandevilla, muns, mina lobata, nasturtium, pyrethrum, salpiglossis, salvia, scabiosa, veronica and zincia. This is the best month in which to sow most kinds of tree seed. Plant gladiolus, begonia, tuberose and dahlia bulbs.

APRIL

Vegetable Garden.—Sow artichoke, asparagus, beans, beets, Brussels sprouts, cabbage, carrot, celery, chervil, lettuce, mustard, parsnip, potatoes, radish, sorrel, squash, tobacco, tomato and turnip. Plant out cabbage, tomato and pepper plants.

Flower Garden.—Sow marunaseth, alyssium, chrysanthemum, clarkia, cosmos, echinacea, gaillardia, larkspur, linum, lupine, mignonette, nigella, placenta and salvia in seed pans or boxes for transplanting later. Continue to plant anemone, german iris, Japanese iris, Lilium auratum and L. speciosum, gladiolus, amaryllis, also begonia, caladium, glicinia and tuberose.

JUNE

Vegetable Garden.—Sow beans, beets, Brussels sprouts, carrots, cress, cucumber, dandelion, egg plant, endive, kale, kohlrabi, leek, lettuce, mustard, okra, onion, parsley, peas, pumpkin, radish and sweet potato plants. Plant out brussels sprouts, cabbage and cauliflower plants.

Flower Garden.—Sow cosmos, nasturtium and portulaca seed.

JULY

Vegetable Garden.—Sow beans, beets, Brussels sprouts, carrots, cress, cucumber, dandelion, egg plant, endive, kale, kohlrabi, leek, lettuce, mustard, okra, onion, parsley, peas, pumpkin, radish and sweet potato plants. Plant out brussels sprouts, cabbage and cauliflower plants.

Flower Garden.—Sow calceolaria, cineraria, panay, Primula, stocks and Christmas flowering sweet peas.

AUGUST

Vegetable Garden.—Sow beets, early cabbage and cauliflower, carrot, corn, salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, okra, onion, parsley, peas, pumpkins, radish, spinach and sweet potato plants; also tomatoes for winter crop in frostless sections.

Flower Garden.—Sow calceolaria, campanula, cineraria, panay, pentstemon, primula, ornamental poppy, hibiscus, daisy, stocks and Christmas flowering sweet peas, plant bulbs of Lilytum brilli and L. candidum.

SEPTEMBER

Vegetable Garden.—Sow beets, early cabbage and cauliflower, carrot, corn, salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, okra, onion, parsley, peas, pumpkins, radish, spinach and sweet potato plants. Plant out brussels sprouts, cabbage and cauliflower plants.

Flower Garden.—Continue to plant flowering annuals and biennials which to sow hardy annuals in the open ground. Sow acroclinum, alyssum, bartonia, calendula, callistephus, chrysanthemum, clarkia, collinsia, cosmos, echinacea, gildelia, gleditsia, larkspur, linum, lupinum, mignonette, menonion, mopsia, poppies, sweet peas, panay, stocks and also California Wild Flowers. Plant hyacinths, tulips, narcissus, jonquils and other Dutch bulbs.

OCTOBER

Vegetable Garden.—Sow beets, early cabbage, carrots, corn, salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, okra, onion, parsley, peas, pumpkins, radish, spinach and sweet potato plants.

Flower Garden.—Sow hardy annuals in the open ground, such as acroclinum, alyssium, bartonia, calendula, callistephus, chrysanthemum, clarkia, collinsia, cosmos, echinacea, gildefea, larkspur, linum, lupinum, mignonette, menonion, mopsia, poppies, sweet peas, panay, stocks and also California Wild Flowers. Continue to plant flowering annuals, tulips and narcissus and other Dutch bulbs.

NOVEMBER

Vegetable Garden.—Sow beets, early cabbage, carrots, corn, salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, okra, onion, parsley, peas, pumpkins, radish, spinach and sweet potato plants.

Flower Garden.—Continue to plant hardy annuals in the open ground, such as acroclinum, alyssium, bartonia, calendula, callistephus, chrysanthemum, clarkia, collinsia, cosmos, echinacea, gildefea, larkspur, linum, lupinum, mignonette, menonion, mopsia, poppies, sweet peas, panay, stocks and also California Wild Flowers. Continue to plant Dutch bulbs and lilies.
Choice Vegetable Seeds

ARTICHOKE

Alcachofa—Artichoke—Artichaut

Culture.—Sow early in spring in beds or drills and the following season transplant 4 feet apart each way.

LARGE GREEN GLOBE. The standard variety. Pkt. 10c, oz. 40c, ½ lb. $1.25.

ARTICHOKE PLANTS. See page 15.

Barr’s Mammoth Asparagus

DWARF OR BUSH

Frijoles—Bohne—Haricots Nains

Culture.—After danger of frost is over plant in good manure soil in drills 2 inches deep and 3 feet between the rows, placing the beans 3 or 4 inches apart. One pound will sow 100 feet of row.

GREEN PODDED

BEREE’S STRINGLESS GREEN POD. Pods long, straight, entirely stringless, brittle and of good flavor early. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 35c, 10 lbs. $3.00.

CANADIAN WONDER. Long, flat pods, very tender, prolific, and in flavor and appearance unsurpassed. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

EXTRA EARLY REFUGEE. A favorite for canning, of good quality, early and prolific. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

LONG YELLOW SIX WEEKS. A favorite market variety. Pods green, long and tender; very early. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

WAX OR YELLOW PODDED

GOLDEN WAX. Pods rather flattened, light yellow, brittle and with few strings. A standard sort and a good producer. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

APOLLO BLACK WAX. Pods bright yellow, nearly round; very early and productive. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

STRINGLESS OR REFUGEE WAX. Pods round, rich golden yellow, entirely stringless and of the best quality. Extremely prolific and a great favorite among market growers. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

VENTURA WONDER WAX. Pods often 9 inches long, straight, oval, entirely stringless, transparently white, and of finest flavor. Hardy and productive. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

POLE OR RUNNING BEANS

Frijoles de Bejuco—Stangenbohne—Haricots a Ramees

Culture.—Plant in rich soil in hills 2 feet apart each way. Place an 8 ft. stake to each hill around which plant 5 or 6 beans and afterwards thin out to the 4 strongest plants. They are also grown in hills 4 feet apart, without poles, allowing the vines to run.

ARBAR BEAN. One of the very best of beans to pole where one wants an exceptionally quick growth over arbors, trellises, etc., often attaining a growth of twelve feet in two months. The pods, like those of the Scarlet Runner bean, make excellent string beans, but should be taken young and sliced before cooking.

The vines are very prolific and can be made to bear two crops a year by allowing them to almost die back after the first crop, by withholding water and then heavily irrigating them, when they will break into new growth and bear heavily again until late in the season. Pkt. 5c, ½ lb. 20c.

ASPARAGUS OR YARD LONG. A curious variety. Produces pods 15 to 18 inches long; excellent for the home garden. Pkt. 10c.

HORTICULTURAL OR SPECKLED CRANBERRY. An old favorite sort. Pods light green streaked with red. Good as a snap bean or shelled, green or dried. Pkt. 5c, lb. 30c, postpaid; by express or freight, lb. 20c; 10 lbs. $1.75.

KENTUCKY WONDER OR OLD HOMESTEAD. The most productive and best pole bean for this climate. Pod tall in large clusters, long, brittle and of fine quality. Pkt. 5c, lb. 30c, postpaid; by express or freight, lb. 20c; 10 lbs. $1.75.

WHITE SEEDED KENTUCKY WONDER. A variety of recent introduction possessing all the good qualities of the old variety of that name, but having white shelling. Pkt. 5c, lb. 30c, postpaid; by express or freight, lb. 20c; 10 lbs. $2.00.

KENTUCKY WONDER WAX. The best Pole Wax bean, having all the good qualities of the green variety of that name. Pkt. 5c.
LAZY WIFE. Pods 6 to 8 inches long, produced in clusters, entirely stringless and of a rich, buttery flavor; also a good white bean for winter use. Pkt. 5c, lb. 35c, postpaid; by express or freight, lb. 25c; 10 lbs. $2.90.

WHITE CREESEBACK. Pods 5 to 6 inches long, deeply creased, silvery green, bushy, of rich flavor and produced in clusters of from 4 to 10, which mature very early. It yields a heavy crop and is a splendid shipper. The seed is white and can be used for winter use as a shelled bean. Pkt. 5c, lb. 30c, postpaid; by express or freight, lb. 26c; 10 lbs. $1.50.

SCARLET RUNNER. A favorite variety in English gardens. Prolific and of rich flavor. Also useful as an ornamental vine; flowers are bright scarlet and very showy. Pkt. 5c, lb. 40c, postpaid; by express or freight, lb. 30c; 10 lbs. $2.50.

Burpee's Bush Lima Bean

LIMA BEANS

Culture.—Lima Beans should not be sown until after the ground is well warmed up in spring. Sow the bush varieties in rows 2 feet apart and the pole kinds in hills 4 feet apart each way.

BURPEE'S BUSH. Large and of fine flavor. A popular variety both for market and home use. Pkt. 5c, lb. 30c, postpaid; by express or freight, lb. 20c; 10 lbs. $1.75.

BURPEE'S IMPROVED BUSH. Earlier and more productive than the Burpee's Bush. Both the pods and beans are of enormous size. One of the most valuable of late introductions. Pkt. 5c, lb. 35c, postpaid; by express or freight, lb. 20c; 10 lbs. $1.75.

FORDHOOK BUSH LIMA. This is a variety of recent introduction, and is the most prolific lima bean ever grown. It usually grown from 20 to 24 inches high, and bears in clusters of 2 to 3 pods. The beans are round and thick, averaging 4 beans to the pod, of a mild but delicious flavor. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 25c; 10 lbs. $2.00.

KING OF THE GARDEN—POLE LIMA. Produces pods 5 to 7 inches long, well filled with good-sized beans of rich flavor. It bears heavily and is one of the best for general use. Pkt. 5c, lb. 30c, postpaid; by express or freight, lb. 26c; 10 lbs. $1.60.

MONSTROUS HUSH LIMA. This bean, as its name implies, attains a great size. It is the largest of all the lima beans and is excellent in flavor as well; by pruning the bushes at the right season, they can be made to bear at least two crops a year for several years. The beans are exceptionally fine flavored and considered by many to be better than any other lima bean grown. Plant 6 ft. by 6 ft., about one plant to a hill. After they come into bearing, they will continue until frost cuts down the tender growth, when they should be pruned similarly to grape vines. Shortly after new growth will appear in which, by early summer, will be producing another crop. In July the vines will become mildewed. They should be pruned as before and by October the 3rd crop will be ready to pick. Pkt. 5c, 3 lb. 15c, lb. $40c, postpaid; by express or freight, lb. 30c.

ENGLISH OR BROAD BEANS

Hoho—Pufhohone—Feve de Marais

Culture.—Plant in fall or early winter in drills 2 inches deep and 2 to 3 feet between the rows, placing the beans 6 inches apart. When in full bloom nip a few inches off the top of each stem, but be careful not to snap off the seed pods. The beans are quite hardy and bear in winter or early spring. The beans are shelled green and cooked like lima beans and can be had at a time of year when green lima beans are not obtainable.

BROAD WINDSOR. An old favorite variety. Pkt. 5c, lb. 20c, postpaid; by express or freight, lb. 20c; 10 lbs. $1.75.

BEET

Remolacha—Rotho Ruehe—Betterave

Culture.—Sow in drills 18 inches apart and cover 1 inch deep. When the plants are large enough thin out to 6 inches apart. Beets can be planted in Southern California the year round. One ounce will sow 50 feet of row.

COBOSBY'S EGYPTIAN. A selection from the Extra Early Egyptian. Slightly more globe shaped than the parent. Flesh deep red and of the finest quality. Considered by many the best beet on the market. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. $1.25.

DETROIT DARK RED. One of the very best for either market or home use. Tops very small; roots globe shaped, dark blood red, tender and sweet. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. $1.25.

ECLIPSE. Extremely early, round, blood red, small top. Pkt. 5c, oz. 10c, 1/4 lb. 30c, 1/2 lb. $1.00.

EMAND'S EARLY BLOOD TURNIP. Of finest quality, extra early. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. $1.00.

EXTRA EARLY EGYPTIAN. A standard variety for general use. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. $1.00.

LONG DARK BLOOD. Smooth, dark red, of good size and desirable for light soils. Pkt. 5c, oz. 15c, 1/4 lb. 30c, lb. $1.00.

SWISS CHARD OR SILVER. Grown for the leaves which are cooked like Spinach; grows quickly and can be cut often. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. $1.00.

SWISS CHARD, LUCULLUS. A superior variety with large, crumpled leaves, very tender and of fine flavor. The stalks are very heavy, 1 1/2 inches in diameter, and 10 to 12 inches long below the leaf. These stalks may be cooked and served like Asparagus and are of delicious flavor. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. $1.00.

STOCK BEETS OR MANGEL-WURZEL

Culture.—Sow in drills 3/4 to 2 feet apart and thin out to 12 or 15 inches in the rows. Six pounds per acre.

GOLDEN TANKARD. The favorite variety among dairymen and the best for heavy soil. Oz. 10c, lb. 50c, postpaid; by express or freight, lb. 40c; 10 lbs. $3.50.

IMPROVED MAMMOTH LONG RED. Yields immense roots and succeeds well on light soil. Oz. 10c, lb. 50c, postpaid; by express or freight, lb. 40c; 10 lbs. $3.50.

SUGAR BEETS

Culture.—Sow in drills 18 to 24 inches apart and thin out to 1 foot in the rows. Fifteen pounds per acre.
KLEIN WANZLEBENER. The kind generally grown here for sugar; also used for stock feeding. Oz. 10c, lb. 50c; postpaid; by express or freight, lb. 40c; 10 lbs. $1.50.

LANE’S IMPROVED IMPERIAL. Largely grown for stock; a very heavy cropper. Oz. 10c, lb. 50c; postpaid; by express or freight, lb. 40c; 10 lbs. $1.50.

BRUSSELS SPROUTS

Berza de Bruxelas—Rosenkohl—Chou de Bruxelles.

Culture.—Sow in spring or summer in seed beds, transplant and cultivate like cabbage. One ounce will sow a bed of 40 square feet and produce 2000 plants.

DWARF IMPROVED. The standard sort. Pkt. 5c, oz. 15c, ½ lb. 50c, lb. $1.50.

CARROT

Zanhnorn—Moebe—Carotte

Culture.—The soil best suited for this crop is a light, rich loam. Sow any time from September to end of May in drills 15 inches apart, covering the seed lightly. When the plants are large enough thin out to 6 to 8 inches apart in the rows. One ounce will sow 150 feet of drill. Three pounds per acre.

DANVER’S HALF LONG. A standard variety. Roots about 6 inches long, rich orange color, very symmetrical and handsome. Pkt. 5c, oz. 15c, ½ lb. 50c, lb. $1.50.

EARLY FRENCH FORCING HORN. The smallest and earliest variety grown; much used for forcing. Roots nearly round. Pkt. 5c, oz. 15c, ½ lb. 50c, lb. $1.50.

IMPROVED LONG ORANGE. Very long, handsome roots, of good quality. Valuable for the table and also for stock feeding. Pkt. 5c, oz. 15c, ½ lb. 50c, lb. $1.50.

LARGE WHITE BELGIAN. Largest of all; grown entirely for stock. Pkt. 5c, oz. 15c, ½ lb. 50c, lb. $1.50.

OXHEART OR GUERANDE. The favorite table sort, often called “French Carrots.” Roots about 5 inches long and 4 or 5 in diameter at the top, stump rooted, easily pulled and best for heavy soils. Pkt. 5c, oz. 15c, ½ lb. 50c, lb. $1.50.

CAULIFLOWER

Coliflor—Blumenkohl—Choufeur

Culture.—To be successfully grown this crop requires very rich soil and careful cultivation. Sow in seed beds, the early varieties in August and September, and the late ones in spring; transplant and cultivate same as Cabbage. One ounce will sow a bed of 40 square feet and produce 2000 plants.

DRY WEATHER. An early variety producing large, solid heads, pure white and of the best quality. This variety is particularly adapted to California and the Southwest. Pkt. 25c, ½ oz. 75c, oz. $2.50, ¼ lb. $8.00.

EARLY DwarF Erfurt. Of dwarf, compact habit, early, a sure header. Pkt. 25c, ¼ oz. 75c, oz. $2.50, ¼ lb. $8.00.

EXTRA EARLY PARIS. A small, very early variety. Pkt. 5c, oz. 75c, ¼ lb. $2.50.

HENDERSON’S EARLY SNOWBALL. The most popular variety, very early and reliable header. Pkt. 25c, ¼ oz. 75c, oz. $2.50, ¼ lb. $8.00.

LARGE ALGIERS. A favorite late variety, very large heads. Pkt. 10c, oz. 80c, ¼ lb. $2.50.

VEITCH’S AUTUMN GIANT. A large, late variety which thrives well in this section. The heads are solid, compact and well protected by the foliage. Pkt. 10c, oz. 80c, ¼ lb. $2.50.

If you are a Market Gardener, send me a list of your wants and I will be glad to quote you special Market Gardeners’ prices.
CELERY

Culture. - Sow early in spring in beds of rich, mellow soil, covering the seed very lightly. When 3 inches high, prick out 4 inches apart, and when large enough transplant in well manured furrows, 4 feet apart, and about 8 inches deep. Place the plants 8 inches apart in the rows, and as the plants grow gradually fill up the furrows with earth to bleach the stalks.

BOSTON MARKET. - A standard variety of superior quality. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. $1.50.

DWARF GOLDEN HEART. - Heart golden yellow stalks large and full, of a rich nutty flavor. Very solid and one of the best keepers. Pkt. 5c, oz. 25c, 1/4 lb. 5c, lb. $5.00.

GOLDEN SELF-BLANCHING. (French-grown seed.) This seed is imported from France, from a most reliable grower, and is the best strain offered. A favorite market variety; blanches perfectly, is tender, entirely free from strings and has a rich, nutty flavor. Pkt. 10c, oz. 15c, 1/4 lb. $5.00.

GOLDEN SELF-BLANCHING. (California-grown seed.) Pkt. 10c, oz. 60c, 1/4 lb. $2.00, lb. $6.00.

WHITE PLUME. A well known sort, early, and of rich flavor. Blanches with very little earthing up; one of the best for fall and early winter use. Pkt. 5c, oz. 25c, 1/4 lb. $1.00, lb. $3.00.

CELERIAC OR TURNIP-ROOTED CELERY. Forms turnip-shaped roots, having a celery-like flavor, and is used for soups and salads; also boiled like parsnips or turnips. Pkt. 5c, oz. 25c, 1/4 lb. 6c, lb. $2.00.

CHAYOTE

(Sechium edule)

Culture. - A rapid growing perennial vine, valuable for covering fences, sheds, etc., growing thirty feet or more in one season. It produces large quantities of fruit, which are cooked like summer squash, or fried like eggplant. Each fruit contains one seed, which sprouts right out of the fruit, and the vine is propagated by planting the whole fruit in the ground. Supplied from December to March. Each 15c. (By mail 25c.) Plants started in pots, each 25c.

CHERVIL

Perifolium-Kerbel-Correlif

Culture. - Sow early in spring in beds or drills, and when large enough transplant about 1 foot apart. Used for flavoring soups and stews and also for garnishing.

CURLED. - The standard variety. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. $1.00.

CHICORY

Achichorie-Chichorie-Chichoree

Culture. - Sow in spring in deep, rich soil, in drills 18 inches apart, covering the seed lightly. When the plants are large enough thin out to 8 inches apart in the rows. One ounce will sow 100 feet of drill. Much used by the French as a salad.

COMMON OR WILD. "Chichorie Amere." The roots may be transplanted in the fall into sand in a cellar. The young shoots which soon come up form the "Barbe de Capucin," a salad much used in France. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. $1.25.

LARGE-ROOTED MAGDEBURG. The roots of this variety are often dried, cut into slices, roasted, ground and used for mixing with or as a substitute for coffee. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. $1.25.

CORN SALAD

Macha a Valerianilla-Lummer Salat—Mache

Culture. - Commonly called Lamb's Lettuce. Can be sown nearly all the year round in California. Sow in shallow drills 1 foot apart.

LARGE ROUND-LEAVED. Pkt. 5c, oz. 10c, 1/4 lb. 30c, lb. $1.00.

CORN

SWEET OR SUGAR

Mais—Welskorn—Mais

Note. Express or freight charges are not prepaid. Sweet corn can be sent by parcel post at cheaper rates than my "postpaid" prices. Where quantities of sweet corn are ordered to be sent by parcel post, remit for the first pound at the "postpaid" rate, to cover postage and packing charges, and for the remainder at the rate quoted by "express" or "freight," and add the correct parcel post charge to your zone. This parcel post charge must be sent additional, or corn will be sent by express. For information, see parcel post schedule on first page of catalogue.
**Culture.** Sow any time from March to end of June, in drills or hills. The smaller varieties may be planted in drills, 4 feet apart and 1 foot apart in the rows, or by 1 foot apart each way, covering the seed about 2 inches. The taller varieties, 4 feet by 15 inches, or in hills 4 feet apart. For starters, in rich, warm soil; use some well rotted manure, and cultivate well so as to keep the ground loose, and draw it up slightly around the roots.

**BLACK MEXICAN.** The kernels are white when young or at the age when suitable for cooking, but when ripe are brown to a bluish black color. Thrives well in this climate; is very productive and the sweetest corn grown. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**CROSBY’S EARLY.** A favorite early sort, coming in a little later than Early Minnesota. Ears about 7 inches in length. The variety most used for canning. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**FEET.** A variety that will grow with great effect in clay soils. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**EXTRA EARLY ADAMS.** Not a true sweet corn, but one on account of the earliness it is largely planted for table use. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**GOLDEN BANTAM.** An extra early dwarf variety. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**OREGON EVERGREEN.** This is without doubt the best sweet corn ever grown, and is a great favorite among market growers in this section. It is very productive, bearing long, well-filled ears, and is of a particularly fine flavor. Many varieties of sweet corn do not thrive as well in California as in the East, and it has sometimes been said that good sweet corn is not to be had here. This variety, however, seems particularly adapted to our local conditions, and produces ears of the very finest quality. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**STOWELL’S EVERGREEN.** The standard late variety. Grows tall and remains green longer than any other sort. The ears are large and grains exceedingly deep and sweet. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**WHITE EVERGREEN.** A little earlier than Stowell’s Evergreen. The extreme whiteness of the grains makes it one of the best varieties, 5 to 10 inches in length, and is of a very desirable kind for canning. Pkt. 5c, lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

**CRESS OR PEPPER GRASS**

Berro o Mastenero—Kresse—Cresson

**Culture.** Sow thickly, broadcast in small beds or in drills 1 foot apart, at frequent intervals for a succession. It will be ready to cut in about three weeks. Succeeds best during winter and spring, but may be grown in summer if sown in a cool, shady place.

**EXTRA CURLED.** Leaves curled, crisp and pungent. Pkt. 5c, oz. 10c, ½ lb. 25c, lb. 75c.

**WATER CRESS**

Berro—Rumennkrease—Cresson de fontaine

**Culture.** Sow the seed by the side of running water or in a damp place.

**WATER CRESS.** Pkt. 10c, oz. 25c, ½ lb. $1.00, lb. $2.50.

**CUCUMBER**

Pepino—Gurke—Cucumère

**Culture.** As soon as the weather becomes warm and set out in a common garden for the early crop; later plantings may be made up until August. Select good, rich, mellow soil, and sow in hills 4 feet apart each way, covering 1 inch deep; water well, well pulverized soil. After danger from insects is over, thin out to the four strongest plants. One ounce will plant 56 hills, or 2 pounds to one acre.

**ARLINGTON WHITE SPINE.** A favorite for early crop, coming two weeks earlier than the White Spine. Very uniform in shape and productive. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.25.

**BOSTON PICKLING.** A favorite for pickling, also good for slicing. Dark green, straight and well formed. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

**CUMBERLAND.** A distinct sort, desirable either for slicing or pickling. When full grown, the fruit averages 10 to 12 inches in length and 2½ inches in diameter, with full rounded ends. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.

**DAVIS PERFECT.** This splendid variety, introduced a few years ago, has now become very popular. The fruits are very symmetrical, 10 inches in length, dark glossy green, tender and of exceptionally fine flavor. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $1.75.

**IMPROVED WHITE SPINE.** A vigorous grower, early and productive. Fruit straight, light green with a few white spines; one of the best for table use. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.

**KLONDYKE.** One of the best for market. The fruits grow very uniform, usually measuring about 7 inches long and 2 inches in diameter; of a rich green color, excellent for slicing. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.

**CRESSON**

**DAVENELION**

Amargan—Kühlblume—Pissenlit

**Culture.** May be grown any time, in drills 12 inches apart, covering the seed very lightly. Much esteemed as a salad.

**IMPROVED LARGE LEAVED.** Pkt. 10c, oz. 50c,
EGG PLANT

Berengrana—Eierpflanze—Aubergine

Culture. Sow from February to June in rich soil composed of leaf mold and sandy loam. The earlier sowings should be in a hot bed; the seed germinates very slowly, and should be kept in a warm, even temperature. When 2 or 3 inches high, transplant into small pots and place in a frame, gradually harden off, and when the weather is warm and settled transplant to the open ground. Select light, rich soil, and plant 4 feet apart each way; when about 1 foot high draw the earth up slightly around the roots.

New York Improved Egg Plant

BLACK BEAUTY. Large, rich, dark purple, very early. Pkt. 10c, oz. 50c, ¼ lb. $1.50, lb. $5.00.

NEW YORK IMPROVED PURPLE. The leading variety both for market or home use. Pkt. 10c, oz. 50c, ¼ lb. $1.25, lb. $4.00.

ENDIVE

Escarole o Endival—Endivien—Chicoree

Culture. May be sown in drills 15 inches apart any time during the year. When a few inches high, thin out the plants to 10 inches apart, or transplant to other rows. As soon as the plants have reached a good size, gather the ends of the outer leaves together and tie at the top so as to blanch the inside leaves. One ounce will sow 150 feet of drill.

BROAD LEAVED BATALIAN. (Scorolle.) Leaves light green, broad and nearly plain. When blanched, makes an excellent salad. It is also used for flavoring soups and stews, and in soups, sauces made as greens. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

FRENCH MOSS CURLED. (Chicoree Frisée.) Leaves deeply cut and curled, giving it a moss-like appearance. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

KALE OR BORECOLE

Col—Blätterkohl—Chou Vert

Culture. Sow the seed in beds from July to March; when large enough, transplant to rich, mellow ground and cultivate same as Cabbage. One ounce of seed will produce 2000 plants.

DWARF GREEN CURLED. (German Greens.) Leaves bright green, tender and of fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00.

TALL GREEN CURLED SCOTCH. Grows from 1 ½ to 2 feet high; the variety most generally used. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00.

JERSEY OR TREE KALE. A tall growing variety with smooth leaves. Used for poultry and stock food. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00.

KOHL RABI

Collnabo—Kohrabli—Chou-rave

Culture. Sow in drills 2 feet apart any time from July to April. When large enough, thin out to 1 foot apart in the rows. One ounce will sow 150 feet of drill.

EARLY WHITE VIENNA. Greenish white outside, flesh white and tender. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.00.

EARLY PURPLE VIENNA. Similar to the above, but of a purple color. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.00.

LEEK

Puerro—Leek—Poireau

Culture. Sow in good rich soil any time from September to April in drills 15 inches apart and ½ inch deep; and thin out to 10 inches apart. One ounce will sow 100 feet of drill.

LARGE MESSELBURG. A favorite Scotch variety. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.00.

LONDON FLAG. Large and uniform in shape. A popular market sort. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.00.

LETTUCE

Lechuga—Saint—Laitue

Culture. Can be sown at any time in California, in drills 15 inches apart, covering the seed very lightly; when large enough, thin out to 1 foot apart in the rows. Or the seed may be sown in beds and transplanted. The latter is preferable for summer planting, as the seed requires a great deal of moisture to germinate, and when sown in a bed it can be kept moist by spreading burlap or sacks over the surface of the ground and sprinkling well twice a day; after the seed is germinated the sacks may be removed, but care must be taken to keep the plants well watered. One ounce will produce about 3000 plants.

BIG BOSTON. One of the best for California; succeeds well under great variations of temperature. Heads large, solid, crisp and tender. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

BLACK SEEDED SIMPSON. Forms large, loose heads of thin, tender, golden yellow leaves. One of the best curled varieties and stands the heat well. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.

CALIFORNIA CREAM BUTTER. Stands the summer heat well, grows slowly and forms a very solid head, remaining fit for use for a long time. The outside leaves are slightly marked with brown, while inside the leaves are rich, creamy yellow. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.

EARLY CURLED SIMPSON. Large, curly leaves, forms large, loose heads; a favorite early sort. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.

ICEBERG. A popular summer variety; heads well, even in the hottest weather; large, crisp and remarkably solid. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.75.
**IMPROVED HANSON.** Large, solid heads; leaves bright green on the outside, white within; crisp and tender. A favorite market sort. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

**MONTREAL MARKET.** A very large variety of the green nutmeg type, often growing to a weight of 20 pounds. Almost round, heavily netted, flesh thick and luscious. A good market sort and one of the best shippers. Pkt. 5c, oz. 10c, ¼ lb. 40c, lb. $1.25.

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**LOS ANGELES MARKET, OR NEW YORK SPECIAL.**

This lettuce is largely grown by market gardeners, and is the best selling lettuce in the Los Angeles Market, while large quantities are shipped to other points as far north as Portland and east to Salt Lake City and Denver. It forms a very large, perfectly solid head. The outer leaves are green, but after stripping these off there remains a large, white, solid head, which is very crisp and tender. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. $2.90.

**PARIS WHITE COS.** (Romaine.) Long, smooth leaves, remarkably crisp and tender. The outer leaves should be drawn together and tied at the tips about 10 days before cutting, in order to blanch the inside leaves. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

**PRIZEHEAD.** Forms large, loose heads, remaining crisp and tender a long time; leaves slightly tinged with red. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

**TENNIS BALL.** (Black Seeded.) One of the earliest heading varieties, similar to Boston Market. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

**WONDERFUL.** Large, crinkly, dark green foliage, but blanched heart; of delicious flavor. The most popular winter variety on the Los Angeles market. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. $2.00.

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**MELOM—MUSK**

_Melon Almiscelone—Cantalupen—Muscaden_  

**Culture.** May be planted from March to end of June. Select light, warm soil and plant in hills 6 feet apart each way, from 6 to 8 seeds in a hill and 1 inch deep. When large enough, thin out to the three strongest plants. One ounce will sow about 100 hills.

**BURRELL'S GEM.** Oval, of medium size and deeply netted. The flesh is salmon-colored and of the finest flavor. Pkt. 5c, oz. 15c, ¼ lb. 80c, lb. $1.50.

**COLUMBUS.** Round, skin buff-colored, covered with a thick, whitish netting, almost entirely free from ribs. Flesh green, solid and thick, with only a small seed cavity. A favorite shipping variety. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

**EXTRA EARLY HACKENSACK.** Large, nearly round, deeply ribbed, and very thickly netted. Flesh green, solid, and of a delicious flavor. A popular sort; nearly two weeks earlier than the Large Hackensack. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

**GUTHIER'S PINEAPPLE.** This is the favorite melon on the Los Angeles market. Oval, skin thickly netted; flesh green and of delicious flavor. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

**LARGE HACKENSACK.** Round, flattened at the ends, skin green and thickly netted; flesh green and of a rich, sugary flavor. Very popular among market growers, and sometimes called Turk's Cap. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

**MILLER'S CREAN, OR OSAGE.** Large, oval, with light green netted skin; flesh salmon-colored, thick and sweet. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.

**ROCKY FORD.** Slightly oval in shape, finely netted, very regular and even in size, weighing about 1½ pounds; flesh light green in color and of delicious flavor. A popular early sort, named after Rocky Ford, Colorado, but now grown in immense quantities in the Coachella and Thermal districts, producing the earliest melons in the United States and shipped east by the carload. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

**CASABA, OR WINTER PINEAPPLE.** Large, oval, skin corrugated, grayish green color; flesh firm, light green and of a delicious pineapple flavor. A very late variety; the melons do not usually ripen on the vines, but should be picked and stored in a cool, dry place, and if carefully handled may be kept till late in the winter. Pkt. 10c, oz. 20c, ½ lb. 60c, lb. $2.00.

**GOLDEN BEAUTY.** Similar to the Winter Pineapple, but of a beautiful golden-yellow color. It is a good keeper, and on account of its handsome appearance it is one of the best of the winter melons for market purposes. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50.

**IMPROVED HYBRID CASABA.** Deep green and heavily ribbed, of medium size; flesh thick and of a fine quality. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50.

**SANTA CLAUS.** A very late variety. Oblong, mottled yellow and green, flesh light green and of rich flavor. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50.

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**Burrell’s Gem Musk Melon**

**Golden Beauty Casaba Melon**
MELON—WATER
Santina—Wassermelone—Melon d'Eau

Culture. Plant from March to July, in good, light, sandy loam, in hills 8 to 10 feet apart every way and from 10 to 12 seeds in a hill; cover the seed from 1 to 2 inches deep; thin out not more than large enough, thin out to the three strongest plants.

ANGELENO. Of medium size, dark green, flesh dark red, crisp and very sweet. A good shipper and one of the best market varieties. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. $1.50.

CHILLIAX. Of medium size, almost round, dark green, slightly mottled with blackish green, rind thin, not over a quarter of an inch thick, but very hard and never cracks in shipping. Flesh solid, crisp and deep orange color close to the skin. This is the favorite Los Angeles market melon. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. $1.00.

BLACK SEEDED CHILLIAN. This is preferred by some to the preceding variety, and is considered a little earlier. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. $1.00.

CUBAN QUEEN. Oblong, striped dark and light green, rind thin, flesh bright red. A good shipping variety. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

GEORGIA RATTLESNAKE, OR GYPSY. A popular Southern variety. A large, long melon, light green with dark green stripes, flesh scarlet, crisp and juicy. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. $1.00.

KLECKLEY SWISH. One of the finest melons for home use. Oblong in form, 18 to 20 inches long and 10 to 11 inches in diameter. Skin dark, rich green; flesh bright scarlet, ripening close to the rind. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. $1.90.

KLONDIKE, OR PASADENA. Of recent introduction and a great favorite in the Pasadena market. Oblong, dark green, flesh bright red, very crisp and sweet. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. $2.00.

YELLOW-FLESHED ICE CREAM. Quite distinct from any other variety. Large and long, rind an even dark green; flesh of a rich, sugary flavor peculiar to itself; entirely free from fibrous substances, melting in the mouth like ice cream. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.50.

MUSHROOM SPAWN
Seta—Schwamm—Champignon

Culture. Mushrooms can be grown in cellars or sheds, where a temperature of 60 to 70 degrees can be maintained. Procure some good rich loam and some fresh horse manure, and mix them together, using two-thirds of the horse manure and one-third of the loam. Make a bed of this mixture about 18 inches deep, which should be pressed down firmly. As soon as the temperature of this bed falls to about 70 degrees the spawn may be inserted 1 inch deep in the 1 inch square. Cover the spawn with good loam about two inches deep and press down firmly. Cover this over with a layer of loose straw. If the conditions are right the mushrooms should appear in from six to eight weeks.

ENGLISH MUSHROOM SPAWN. In bricks of about 1 lb. Per brick 25¢ (by mail 35¢).

MUSTARD
Mustard—Senf—Moutarde

By mail add 10¢ per lb. for postage.

Culture. Sow in drills 1 foot apart at frequent intervals for succession. Used for greens and cooked like Spinach. sow this variety when about 4 inches high and used as a salad, generally with Cress.

BROWN OR BLACK. The common Mustard, much used for greens. The seeds are also used in pickles. Pkt. 5c, oz. 10c, ¼ lb. 15¢; ½ lb. 40¢ (by mail 50¢).

SOUTHERN CURED. Very large leaves, often 15 inches in length; the best sort for greens. Pkt. 5c, oz. 10c, ¼ lb. 25¢; ½ lb. 75¢ (by mail 85¢).

WHITE LONDON. The best variety for salads, also used for greens. Pkt. 5c, oz. 10c, ¼ lb. 15¢; ½ lb. 40¢ (by mail 50¢).

OKRA
Quinembou—Eßhänner—Gombo

Culture. Sow from March to July, in drills 3 feet apart, covering the seed 2 inches deep; thin out the plants to 16 inches apart in the rows. cultivate well, and draw the earth up slightly around the stems. One ounce of seed will sow 50 feet of row.

EARLY DWARF. Of dwarf, stocky growth, very prolific, producing pods 10 days earlier than the tall forms. Pods long and smooth. Pkt. 5c, oz. 10¢, ½ lb. 20c, 1 lb. 50c.

LONG GREEN. Plants of tall growth, pods long and slightly ribbed. Pkt. 5c, oz. 10¢, ½ lb. 20c, 1 lb. 60c.

WHITE VELVET. Of tall growth, large, round, smooth pods with a whitish, velvet covering. The favorite variety for pickling. Pkt. 5c, oz. 10¢, ½ lb. 25c, 1 lb. 60c.

ONION
Cebolla—Zwiebel—Oignon

Culture. Onions require a rich, moist soil; rich, low land is best. It may be either sandy loam or black soil, but should have plenty of or natural moisture. Land which has been planted to vegetables—peas or beans preferred—for a few seasons is the best land for onions. They may also be grown on higher lands with irrigation, providing the soil is rich. The land must not be allowed to dry, as this will check the growth and either force the plant to run to seed or produce "stiff necks." For the home garden the seed may be planted the year round in California, but for main crop from November to end of January is best. In naturally moist soils the seed may be sown in drills 15 inches apart, covering the seed very lightly. When large enough, the plants may be thinned out to 5 or 6 inches apart in the rows. For irrigated lands sow the seed thickly in beds or drills and keep well watered; when the plants are large enough—about half the size of a lead pencil—transplant to rows 15 inches apart and 6 inches in the rows. Trim off about a third of the tops and half the roots before planting, as this helps the plants to bulge out. When sown in drills, and thinned out, it requires from 4 to 5 pounds of seed to the acre, or 1 ounce to 100 feet of row. When sown in beds and transplanted, from 1 to 1½ pounds will raise enough plants for an acre. For the home garden Onion sets are often planted. These will produce large onions much earlier than the seed. For "Green" or "Eating" Onions, sow the seed of the White Queen or some other white variety.

AILSA CRAIG. An English variety that thrives well in this climate and is becoming very popular here. It is of immense size, globe-shaped, pure yellow on the outside, but white inside. Pkt. 10¢, oz. 35¢, ¼ lb. $1.00, ½ lb. $5.50.
AUSTRALIAN BROWN. A favorite market sort of good size and shape, early, very hardy, early, productive, and the best keeper. The skin is thick and of a rich brown color; flesh solid and of mild flavor. Pkt. 5c, oz. 20c, ½ lb. 35c, lb. $1.75.

CRYSTAL WAX. A pure white variety of the Bermuda type, very flat and extremely early. On account of its handsome appearance, earliness and mild flavor it is in great demand by market growers. Pkt. 10c, oz. 40c, ½ lb. $1.25, lb. $4.00.

LARGE RED WETHERSFIELD. Large, slightly flattened, deep purplish red, flesh firm and thick. This is the best known of the red varieties and largely planted. It is a heavy cropper and an excellent keeper. Pkt. 5c, oz. 30c, ½ lb. $1.00, lb. $3.00.

MAMMOTH SILVER KING. A large, early white, flat variety of mild flavor. Valuable for the home garden and nearby market, but is not a good shipping or keeping sort. Pkt. 5c, oz. 25c, ½ lb. 75c, lb. $2.25.

PRIZETAKER. A globe-shaped onion, with light yellow skin and white flesh of a mild flavor. It is popular as a market variety, a fairly good keeper, and an immense yielder; onions often weigh two or three pounds, and have been known to weigh as much as four pounds. Pkt. 5c, oz. 30c, ½ lb. $1.00, lb. $2.00.

WHITE BERMUDA. This is the standard early market variety and is now grown in immense quantities in the Coachella Valley for early Eastern shipping. It is a large size, flat, and a pinkish straw color. The flesh is white and mild. The seed I offer is of the finest strain and imported from Teneriffe, Canary Islands. Pkt. 10c, oz. 25c, ½ lb. 75c, lb. $2.25.

WHITE PORTUGAL, OR SILVER SKIN. A very popular variety, both for market and home use. It is of attractive appearance, flattened, but quite thick; skin silvery white and very thin; flesh firm, snow white and mild. A good keeper and heavy yielder; onions of large size. Also one of the best for pickling. Pkt. 5c, oz. 40c, ½ lb. $1.25, lb. $4.00.

WHITE QUEEN. One of the best sorts for pickling. It grows to a fair size in California, and is also used as an early market variety. It is very early, flat in shape, beautifully white and of mild flavor. The best variety for growing for green onions. Pkt. 5c, oz. 25c, ½ lb. 75c, lb. $2.25.

YELLOW GLOBE DAVERS. An old standard market variety. Large, globe-shaped; skin brownish-yellow. Flesh white and firm; a good yielder and remarkably good keeper. Pkt. 5c, oz. 25c, ½ lb. 75c, lb. $2.25.

CHAMPION MOSS CURLLED. Beautifully curled leaves, deep, rich green. Pkt. 5c, oz. 10c, ½ lb. 45c, lb. $1.25.

HAMBURG, OR TURNIP-ROOTED. A plain-leaved variety, forming large roots which are used for flavoring soups, etc. Pkt. 5c, oz. 10c, ½ lb. 50c, lb. $1.00.

PARSNIP

Chirivía—Pastinake—Pnas

Culture. Sow from September to May, in deep, rich soil, in drills 15 inches apart, and cover the seed about half an inch deep. When the plants are 3 or 4 inches high, thin out to about 5 inches apart in the rows. One ounce of seed will sow 100 feet of row, or 5 pounds to double rows from eighteen inches to 4 feet apart, according to the height of the variety. The tall sorts should have sticks to climb over. For the field crop it requires from 60 to 80 pounds to the acre; for home garden, plant one pound to 50 feet of row.

PARSLEY

Perejil—Petersille—Perßl

Culture. May be sown the year round in California. They will grow in almost any soil, but a deep, rich half an inch for main crop; the winter will do best on a light, warm soil; deep plowing of the ground is essential. They are sown in single or double rows from eighteen inches to 4 feet apart, according to the height of the variety. The tall sorts should have sticks to climb over. For the field crop it requires from 60 to 80 pounds to the acre; for home garden, plant one pound to 50 feet of row.

Australian Brown Onion

ONION SETS

By mail add 10c per lb. for postage.

Australian Brown, White and Yellow Sets. Per lb. 25c; by mail 30c. Price on large quantities on application.

PEAS

Chicharos o Guisantes—Erbsen—Pis

Note. Express or freight charges are not prepaid. Peas can be sent by parcel post at cheaper rates than my "postpaid" price. Where quantities of peas are ordered to be sent by parcel post, remit for the first pound at the "postpaid" rate, to cover postage and packing charges, and for the remainder at the rate quoted by "express" or "freight," and add the correct parcel post charge to your zone. This parcel post charge must be sent additional or peas will be sent by express. For information, see parcel post schedule on first page of catalogue.

Culture. May be sown the year round in California. They will grow in almost any soil, but a deep, rich half an inch for main crop; the winter will do best on a light, warm soil; deep plowing of the ground is essential. They are sown in single or double rows from eighteen inches to 4 feet apart, according to the height of the variety. The tall sorts should have sticks to climb over. For the field crop it requires from 60 to 80 pounds to the acre; for home garden, plant one pound to 50 feet of row.
FIRST EARLY VARIETIES

AMERICAN WONDER. Extra early, dwarf, compact grower, wrinkled the finest peas of the finest quality. Height 1 foot. Pkt. 5¢, lb. 30¢, postpaid; by express or freight, lb. 20c, 10 lbs. $1.50.

PREMIUM GEM. A popular early dwarf wrinkled variety. It grows above. Skin orange-salmon, a heavy crop of good-sized pods filled with 6 to 10 peas of the finest quality. Pkt. 5¢, lb. 30¢, postpaid; by express or freight, lb. 20c, 10 lbs. $1.50.

GRADUATE, OR PROSPERITY. The finest early pea yet introduced. As early as American Wonder, but grows about 2½ feet high and produces very long pods filled with 8 to 10 peas of delicious flavor. Pkt. 5¢, lb. 30¢, postpaid; by express or freight, lb. 20c, 10 lbs. $1.50.

SECOND EARLY VARIETIES

ABUNDANCE. A splendid wrinkled variety, good bearer, pods contain 6 to 8 large peas. It grows about 2 feet high. A favorite sort for canning. Pkt. 5¢, lb. 30¢, postpaid; by express or freight, lb. 20c, 10 lbs. $1.50.

CHAMPION OF ENGLAND. Grows from 4 to 4½ feet high; very productive and unsurpassed in quality. Pkt. 5¢, lb. 30¢, postpaid; by express or freight, lb. 20c, 10 lbs. $1.50.

TELEPHONE. A late variety; grows 5 feet high, produces very long pods, well filled with 8 to 9 large peas of the finest quality. Pkt. 5¢, lb. 30¢, postpaid; by express or freight, lb. 20c, 10 lbs. $1.50.

LATE VARIETIES

ALDERMAN. Of recent introduction; grows about 5 feet high; pods dark green, always well filled with large peas of the finest quality. Pkt. 5¢, lb. 30¢, postpaid; by express or freight, lb. 20c, 10 lbs. $1.50.

CHINESE GIANT. Of very large size, averaging 10 to 15 inches in circumference. One of the best for stuffing; flesh thick, tender and mild. Pkt. 10¢, oz. 50¢, $1.50.

LONG RED CAYENNE. Pods small, long and pointed, coral red when ripe. Very strong and pungent; largely used for seasoning pickles. Pkt. 5¢, oz. 25¢, ½ lb. 75¢, 1 lb. $2.50.

MEXICAN CHILL. The well-known "Chilli" used so much in tamales and Spanish dishes. Beautiful dark red pods, 4 to 6 inches long, very hot. Pkt. 5¢, oz. 25¢, ½ lb. 75¢, 1 lb. $2.50.

PIMENTO. One of the finest peppers of mild flavor that has yet been grown. It lends itself to a variety of uses, on account of its beauty, firmness and attractive shape. It makes an unusually pretty salad, being smooth and bright in color, and it can be either canned or stuffed most satisfactorily, as it is firm and fleshy. Pkt. 10¢, oz. 45¢, ½ lb. $1.50, 1 lb. $4.50.

RUBY KING. Large, bright glossy red, mild and sweet. Much used for stuffing and for slicing in salads. Pkt. 5¢, oz. 25¢, ½ lb. 75¢, 1 lb. $2.50.

SWEET MOUNTAIN. A large late variety, bearing fruit often 8 inches long and 2 inches in diameter, deep glossy red, mild and sweet. One of the best for stuffing. Pkt. 5¢, oz. 25¢, ½ lb. 75¢, 1 lb. $2.50.

PEPPER

Pimiento—Pfeffer—Piment

Culture. Can be sown from the middle of January to the end of June. Sow the seed in boxes of light, rich soil, and keep in a frame or on a hot bed. When the plants are large enough, gradually harden off, and place out in the open ground as soon as the weather has become warm and settled, placing the plants in rows 2 feet apart and 1½ feet apart in the row. One ounce of seed should produce about 1000 plants.

ANAHEIM CHILL. In great demand locally; similar to the Mexican Chill, but larger. Pkt. 5¢, oz. 25¢, ½ lb. 75¢, 1 lb. $2.50.

CHINESE GIANT. Of very large size, averaging 20 to 25 inches in circumference. One of the best for stuffing; flesh thick, tender and mild. Pkt. 10¢, oz. 50¢, $1.50.

LARGE BELL, OR BULL NOSE. Large, early and very productive. Flesh thick and mild, much used for stuffing. Pkt. 5¢, oz. 25¢, ½ lb. 75¢, 1 lb. $2.50.

POTATOES

Patatas—Kartoffeln—Pommes de Terre

Culture. Potatoes succeed best in a good, rich, well-drained, sandy loam, and may be planted any time from August to May. It requires about 400 pounds of seed potatoes to the acre.

EARLY ROSE, WHITE ROSE, TRIUMPH OR SIX WEEKS AND BURBANK

Prices on application.

PUMPKIN

Cucurbita—Kuerbis—Courge

Culture. Sow from April to July in hills 8 feet apart each way and 3 or 4 seeds to a hill. One ounce will sow about 20 hills, or 2 pounds to one acre.

CHEESE. Large, reddish orange, flesh thick and solid. A good keeper. Pkt. 5¢, oz. 10¢, ½ lb. 25¢, lb. 60¢.

CUSHAW. (Crook-necked.) Light cream color. A good keeper, flesh solid and sweet. Pkt. 5¢, oz. 10¢, ½ lb. 25¢, lb. 75¢.

MAMMOTH TOURS, OR JUMBO. (King of Mammoths.) Grows to an immense size, often weighing 150 pounds or more. Skin orange-salmon, flesh bright yellow, fine grained, tender and sweet. Valuable for pies, also for stock feeding. Pkt. 5¢, oz. 10¢, ½ lb. 35¢, lb. $1.00.

QUAKER PIE. Of medium size, slightly oval, skin rich creamy buff, flesh fine grained and of rich flavor. A good keeper. Pkt. 5¢, oz. 10¢, ½ lb. 25¢, lb. 75¢.

FIELD PUMPKIN

Cucurbita maxima—Arbor Vitae

CALIFORNIA FIELD. The well-known Field Pumpkin so largely grown for stock. Varies in color from yellow, orange, red to drab. Very large and a heavy bearer. Lb. 40¢ (by mail 50¢).

LARGE SWEET FIELD. Very large, a favorite variety in this section, heavy yielder and good for stock feeding or for pies. Lb. 40¢ (by mail 50¢).

RADISH

Rabano—Rettig—Radis

Culture. May be sown the year round in California. They can be grown in any good garden soil, but thrive best in a light loam acreed with plenty of good rotten manure. Sow in drills 12 inches apart. One ounce of seed will sow 100 feet of drill.

CALIFORNIA MAMMOTH WHITE. A large, pure white radish, often 9 to 10 inches long and 1½ to 2 inches in diameter; flesh sweet, solid and crisp. Pkt. 5¢, oz. 10¢, ½ lb. 35¢, lb. 90¢.
CHARTIER. A long variety and very attractive. The color is a rosy scarlet, shading to white at the 3 to 4 feet tall. This is the Long Scarlet, and keeps hard and crisp for a long time. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

CRIMSON GIANT TURNIP. A new variety, about twice the size of the Scarlet Turnip. It matures early, flesh white, crisp and solid. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. $1.00.

EARLY LONG SCARLET SHORT TOP. An old standard variety; grows to about 6 inches long; color bright carmine, flesh firm and brittle; has very small top. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

FRENCH BREAKFAST. A popular early variety and one of the best for forcing. Grows about 2 inches long and stump rooted. The top part of the root is bright rose and the lower part white. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

ICICLE. A white variety; grows about 5 inches long, very brittle and of mild flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

LONG BLACK SPANISH. A large winter radish, skin almost black; flesh white and solid. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

ROOTS. Similar to the preceding, except in shape. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

SCARLET TURNIP. A very popular early sort. Root scarlet, turnip-shaped, crisp and of good flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

SCARLET TURNIP WHITE TIPPED. Bright rosy carmine, with lower part of root white; a very attractive variety. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

WHITE STRASBURG. A large late summer variety; broad at the top and tapering down to a point. Flesh firm and solid, and keeps crisp for a long time. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

RHUBARB—PIE PLANT Rubarbarbe—Rhabarber—Rhubarbe

Culture. Sow from February to end of April in drills 18 inches apart, covering the seed about 1 inch deep. When large enough, thin out to 6 inches apart in the rows. Transplant the roots the following winter or spring to deep, rich, well manured soil, placing the plants 4 feet apart each way. Pkt. 10c, oz. 75c, ¼ lb. $2.00, lb. $5.00.

BURBANK'S NEW EVERBEARING OR CRIMSON WINTER. The most valuable variety ever introduced. It is practically everbearing, and a supply can be had all through the winter when the other varieties are dormant. The stalks are medium sized, rich crimson and of delicious flavor. It grows very quickly, and is enormously productive. Pkt. 10c, oz. 75c, ¼ lb. $2.00, lb. $5.00.

VICTORIA. A standard variety; stalks large and of fine flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.50.

WAGNER'S GIANT CROMWINTER. A superior variety, producing stems twice as large as those of the ordinary Crimson Winter, and has been known to yield one lb. as well as the acre. It is unsurpassed in flavor, and is now in great demand on the local market. Pkt. 10c, oz. $1.20, ¼ lb. $4.00.

RHUBARB ROOTS. See page 15.

ROSELLA (Hibiscus sabdariffa)

Culture. An annual plant, native of India, but introduced here from Queensland, Australia, where it is largely grown for making jelly. The plants grow from 3 to 5 feet high, and bear quantities of fruit, each enclosed in a thick, fleshy calyx, from which the jelly is made, which is considered by many superior to guava jelly. The jelly should be soaked in boxes or seed pans in February or March, and placed on a hot bed. The young plants can be potted up as soon as large enough, and when the weather is warm and settled they should be planted out in the open ground, about 3 feet apart each way. Pkt. 10c, oz. 50c, ¼ lb. $1.50.

SALSIFY OR VEGETABLE OYSTER Ostion Vegetal—Haferwurzel—Salziffs

Culture. Sow from February to May, in deep, rich soil, in drills 15 inches apart. When large enough, thin out to 6 inches apart in the rows. One ounce of seed will sow 50 feet of row.

MAMMOTH SANDWICH ISLAND. Very large roots, tender and of rich flavor. Pkt. 5c, oz. 25c, ¼ lb. 50c, lb. $2.00.

N. ENGLAND CROOK-NECK. Long, crooked neck; bright golden yellow, thickly warts; very rich flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

SQUASH Calabacera—Kuerbis—Courge

Culture. As soon as the weather has become warm and settled, commence sowing for the early crop. The summer varieties mature much quicker than the winter varieties, and sowing for late crop may be continued up until the first of August. Sow in hills 4 to 5 feet apart, using 6 or 7 seeds to a hill, and afterwards thin out to the three strongest plants. One ounce of seed will sow about 40 hills, or 3 pounds to the acre. The winter varieties take longer to mature, and the later plantings should be completed by about the first of July. Sow in hills 8 to 10 feet apart, using 3 seeds to a hill. One ounce will sow about 20 hills, or 2 pounds to an acre.

SUMMER VARIETIES

EARLY WHITE BUSH SCALLOPED. Very early, creamy white, flat and scalloped; 4 to 6 inches in diameter; exceedingly prolific. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

EARLY GOLDEN BUSH SCALLOPED, OR CUSTARD. Similar to the preceding, except in color, which is a deep rich yellow. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

ENGLISH VEGETABLE MARROW. Large, oblong, pale green, grows from 12 to 18 inches long. Makes a large vine, and should be planted 7 or 8 feet apart. Pkt. 5c, oz. 10c, ¼ lb. 50c, lb. $1.50.

SUMMER CROOK-NECK. Long, with crooked neck; bright golden yellow, thickly warts; very rich flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.
### WINTER VARIETIES

**BOSTON MARROW.** Large, oval, bright orange with creamy netting. Flesh fine grained, orange colored and of finer flavor. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. $1.00.

**FORDHOOK.** Olong, slightly ridged, creamy yellow, flesh thick and of delicious flavor. Hard and solid; a good keeper. Pkt. 5c, oz. 10c, 1/4 lb. 26c, lb. 90c.

**GOLDEN HUBBARD.** A very attractive variety of the Hubbard squash. When matured the color is a deep orange-red, with rich orange-colored flesh, of the finest quality. Pkt. 5c, oz. 10c, 1/4 lb. 35c, lb. $1.00.

**HUBBARD.** The popular winter squash, Olong and pointed, dark green, heavily warted, Flesh orange-colored; a splendid keeper. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. $1.00.

**LIVINGSTON'S FAVORITE.** One of the best for general crop, of perfect shape, rich scarlet, large, solid and a good bearer. A good variety for shipping and canning. Pkt. 5c, oz. 25c, 1/4 lb. 65c, lb. $2.00.

**SPARK'S EARLIANA.** Extra early, deep scarlet, large, smooth, solid and of the finest quality. The earliest large tomato grown. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. 1.25.

**PONDEROSA, OR BEEFSTEAK.** A favorite sort for the home garden; of immense size, sometimes weighing from 2 to 3 pounds each; have very few seeds. Pkt. 5c, oz. 25c, 1/4 lb. 1.00, lb. 3.50.

**RED BEAUTY.** New; the most beautiful tomato grown. Of medium size, weighing about half a pound, of perfect shape, very smooth and of a deep, rich red color. Flesh solid, with few seeds, and of the finest possible flavor. Pkt. 25c, 1/4 oz. 90c, oz. $1.50.

**STONE.** A favorite sort for general crop, shipping and canning. Large, smooth, bright scarlet, very solid and a good bearer. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. $2.50.

**TROPHY.** An old favorite variety, scarlet, solid and of fine quality; good for general use or canning. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. $2.50.

**Purple Top Strap Leaf Turnip**

**TOBACCO**

**TOBACCO—Tabak—Tabaco**

**Culture.** The seed can be sown in a frame or on a hot bed; or in well prepared beds in the open ground after danger from cold is past. Select fine, rich soil, cover the seed very lightly, about one-eighth of an inch, and press down firmly with the back of a spade; water with a fine spray. When the plants are about 4 inches high, transplant to rows 8 feet apart and 4 feet apart in the row. Tobacco requires a rich, mellow soil; wood ashes are beneficial as a fertilizer. One ounce of seed will produce enough plants for one acre.

**CONNECTICUT SEED LEAF.** Well known, the hardest variety. Pkt. 10c, oz. 60c.

**Havana.** Cuban-grown (Vuelta de abajo). The true Havana tobacco. Pkt. 10c, oz. 60c, lb. $6.00.

**TOMATO**

**Gitomate—Liebesapfel—Tomate**

**Culture.** Seed can be sown from January to May. The early sowing should be in seed boxes in frames or on a hot bed. When the plants are about 2 inches high they should be transplanted to shallow boxes, placing them about 1 inch apart each way. Protect from cold, and when well established gradually harden off; when all danger from frost is over, transplant to the open ground, placing them from 8 to 12 feet apart each way. Later sowings can be made in the open ground, in seed beds or drills, after danger from frost is past. In frostless localities where winter tomatoes are grown, the seed can be sown from the middle of August to the end of September. One ounce of seed should produce about 2000 plants.

**ACME—** An early variety of medium size, purplish crimson with pink tinge, perfectly smooth; solid and a good bearer. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. $2.50.

**ATLANTIC PRIZE.** Large, firm and solid, will stand more cold than any other sort, and is largely planted in localities where winter tomatoes are grown. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. $2.50.

**CHALSK'S EARLY JEWEL.** Large, smooth and uniform; bright scarlet, fine flavor. One of the best early sorts and a good bearer. Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. $2.50.

**EARLY SNOWBALL.** A pure white, globe-shaped variety of extra fine quality. One of the best for shipping. Pkt. 5c, oz. 10c, 1/4 lb. 35c, lb. $1.00.

**EARLY WHITE EGG.** A small early sort, oval-shaped; flesh white, slightly groined and sweet. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 75c.

**EARLY WHITE FLAT DUTCH.** Of medium size, flat, clear white and of good quality. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 75c.

**GOLDEN BALL, OR ORANGE JELLY.** Globe-shaped, yellow, flesh yellow, firm and sweet. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 75c.

**PURPLE-TOP STRAP LEAF.** The standard variety for market or the home garden. Of medium size, flat, white, red, or purple, ground, fine-groined and sweet. Pkt 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 75c.

**PURPLE-TOP WHITE GLOBE.** Large, globe shaped, flesh white and sweet. An excellent variety and the best for summer use. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 75c.

**IMPARED PURPLE-TOP SWEDE OR RUTA BAGA.** Very hardy, large, flesh yellow and solid. Used for can-c'ing also for feeding stock. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 60c.
Lawn, Grass and Clover Seeds

DIRECTIONS FOR MAKING A LAWN

The ground should first be spaded over, or plowed to a depth of 8 or 10 inches, and should then be leveled to the proper grade. A good plan is to let it lay for several weeks and water thoroughly. This will give a chance for many of the weed seeds in the ground to sprout, and these can be hoed off as they come up. After the weeds have been removed, rake the surface with a fine rake, and sow the seed broadcast: Blue Grass seed at the rate of 1 lb. to 200 sq. ft., or White Clover seed at the rate of 1 lb. to 300 sq. ft. When both grass and clover are used, they are generally sown one-third clover to two-thirds Blue Grass. It is better to sow them separately, however, going over the ground first with one and then with the other; as in this way they can be sown more evenly than if the seeds are mixed together. After the seed has been sown, it should be covered with about half an inch of good mulch. This is very essential, especially during the hot weather, as it is necessary that the surface be kept continually moist, giving the seed an opportunity to germinate. The best thing to use for a mulch is thoroughly rotted manure, which has been passed through a fine screen. Great care should be taken in selecting this, and it should be taken from a pile that has been thoroughly heated, so that all the weed seeds are killed. When any other kind of manure is used, it will only bring weed seeds into the lawn. For small lawns, burlap is often used in place of a mulch. This is spread out over the surface of the ground, the watering being done over the burlap, which can be removed after the seed has germinated. Burlap is especially valuable on steep banks or slopes, as it both keeps the surface moist, and also prevents the seed from washing out. Watering a newly sown lawn should be done very carefully, and with a fine spray, and as often as is necessary to keep the surface perfectly moist at all times of the day, until the seed has germinated. After the lawn is five or six weeks old, it will be necessary to weed it, as even with the best of care there are bound to be some weeds produced from seeds which have been lying dormant in the ground or blown in from vacant lots, etc. This should be done carefully, pulling out all weeds by the roots.

To keep a lawn in good condition it should be fertilized at least once a year with a dressing of a good commercial lawn fertilizer.

Note.—Express or freight charges are not prepaid. Lawn seeds can be sent by parcel post at cheaper rates than my "postpaid" price. Where quantities of lawn seeds are ordered to be sent by parcel post, remit for the first pound at the "postpaid" rate, to cover postage and packing charges, and for the remainder at the rate quoted by "express" or "freight" and add the correct parcel post charge to your zone. This parcel post charge must be sent additional, or seeds will be sent by express. For information, see parcel post schedule on first page of catalogue.

KENTUCKY BLUE GRASS. This is the grass generally used for lawns in Southern California. I handle only the best grade of seed. Lb. 40c, postpaid; by express or freight, lb. 30c.

WHITE DUTCH CLOVER. Largely used for mixing with Kentucky Blue Grass, making an excellent lawn. Seed of the best quality. Lb. 50c, postpaid; by express or freight, lb. 75c.

AUSTRALIAN RYE GRASS. Often used for making a thick lawn. It requires less moisture than Blue Grass, and will grow on soils where the latter will not thrive. Lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25.

SHADY LAWN GRASS. This is used for sowing under trees. It makes a rich, velvety lawn, and will grow in dense shade where other grasses will not thrive. Lb. $1.10, postpaid; by express or freight, lb. $1.06.

LAWN FERTILIZERS

NO. 1 GRADE, COMMERICAL LAWN FERTILIZER. Apply at the rate of 4 lbs. to 100 sq. ft.; 40 lbs. to 1000 sq. ft. of lawn. First mix the fertilizer with about the same quantity of finely sifted soil, then scatter broadcast over the lawn and water thoroughly. 10 lbs. 50c, 25 lbs. $1.00, 50 lbs. $1.75, 100 lbs. $3.00.

HERBS

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<tr>
<th>Name</th>
<th>Description</th>
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<tr>
<td>Anise</td>
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<td>Cumin</td>
<td>Savory, Broad Leaved</td>
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CULINARY ROOTS AND PLANTS

Note.—When ordered to be sent by mail, remit, in addition to price: for asparagus roots, 50c per 100; cabbage, cauliflower, etc., used for salads; for artichoke, cabbage, caraway, cumin, dill, etc. as a flavoring; and for thyme, broad leafed.

Note.—For flavoring soups, salads, etc., Per clump 10c, doz. clumps $1.00.

EGGPLANT. New York Improved Purple; grown in pots. Each 10c, doz. $1.00.

PEPPER PLANTS. Chili, Large Bell or Bull Nose. Sweet Mountain, Chinese Giant. Per doz. 25c, 100 $1.25.

HOP VINE ROOTS. Each 5c, doz. 50c; 100 $3.50.

HORserADISH ROOTS OR SETS. Per doz. 15c, 100 $1.00.

RHUBARB ROOTS. Burbank’s Everbearing or Crimson Winter. Each 10c, doz. $1.00. Wagner’s Giant Crimson Winter. Each 15c, doz. $1.50.

SWEET POTATO PLANTS. Yellow Nanasmond, Red Jersey, Large White. Per 100 50c, 1000 $4.00.

TOMATO PLANTS. Earleth, Stone, Ponderosa or Beefsteak and Trophy. Per doz. 15c, 100 $1.00.

ASPARAGUS. Palmetto, two year old roots. Per doz. 25c, 100 $1.50, 1000 $10.00.

CABBAGE PLANTS. Early Winnigstadt, Henders-son's Early Summer, and Premium Flat Dutch. Per doz. 10c, 100 50c, 1000 $3.00.

CAULIFLOWER PLANTS. Early Dwarf Erfurt, Early Paris, Large Algiers. Per doz. 10c, 100 75c, 1000 $9.00.

CHIVES OR SCHNITTLAUCH. For flavoring soups, salads, etc. Per clump 10c, doz. clumps $1.00.
Field and Fodder Crops

As these seeds are subject to frequent market fluctuations, I therefore request customers to write for prices, when quantities are required.

Note.— Express or freight charges are not prepaid. Field seeds can be sent by parcel post at cheaper rates than by express. Where the quantities of field seeds are ordered to be sent by parcel post, remit for the first pound (40 lbs.) at the rate, to cover general charges, and for the remainder at the rate quoted by "express" or "freight" and add the charge for postage, if desired. The extra post charge must be sent additional, or seeds will be sent by express. For information, see parcel post schedule or catalogue.

ALPHERILLA OR FILAREE. (Erodium moschatum.) A native fodder plant, very nutritious and preferred by cattle, sheep and horses to any other of the Mediterranean species. Especially valuable for sowing on stock ranges where the natural pasture has become worn out. Sow 10 to 20 lbs. to the acre, lb. 50c, postpaid; by express or freight, lb. 30c, 10 lbs. $2.50. Larger quantities, price on application.

ALPHERILLA, IMPROVED EVERGREEN. The best variety for California. It grows 7 to 8 feet high, and produces good, straight brush, which retains its green color. Sow 10 lbs. to the acre. Lb. 25c, postpaid; by express or freight, lb. 10c, 10 lbs. 80c.

BUCKWHEAT, SILVER HULL. A favorite variety, very popular in the North. Sow 25 lbs. to the acre. Lb. 20c, postpaid; by express or freight, lb. 10c, 10 lbs. 80c.

CLOVER, BURR. (Medicago sinensis.) A deep-rooted clover, which thrives almost anywhere. A very good pasture plant. Sow 10 lbs. to the acre. Lb. 25c, postpaid; by express or freight, lb. 10c, 10 lbs. 80c.

CLOVER, COEUR DI LION. (Trifolium hybridum.) This variety succeeds well in wet, stiff soils. It makes a fine hay; the blossoms are also valuable as a silage crop. Sow 10 lbs. to the acre. Lb. 10c, postpaid; by express or freight, lb. 30c, 10 lbs. 2.50.

CLOVER, BOKHARA OR SWEET. (Melilotus albus.) A strong growing plant, highly recommended for planting in citrus groves to grow under as a ground cover. It is not usually attacked by grasshoppers. Sow 10 lbs. to the acre. Lb. 50c, postpaid; by express or freight, lb. 40c. Larger quantities, price on application.

COTTON, EGYPTIAN. One of the best varieties, and largely grown in the Imperial Valley section. Oz. 10c, lb. 60c, postpaid.

EGYPTIAN CORN. Largely grown as a fodder plant. The seed is also excellent food for chickens. Sow 5 to 6 lbs. to the acre. Lb. 25c, postpaid; by express or freight, lb. 10c, 10 lbs. 75c. Larger quantities, price on application.

PENUGREEK. Large sunflower seeds used for sowing in orchards as a cover crop, being a great nitrogen gatherer, and considered by some superior to Canadian field peas, or vetches. Sow 20 lbs. to the acre. Lb. 25c, postpaid; by express or freight, lb. 15c. Larger quantities, price on application.

GRASS, BERMUDA. (Cynodon dactylon.) Of dwarf creeping habit, making roots at every joint. Of value as a pasturage for horse counries. Sow 5 lbs. to the acre. Lb. 65c, postpaid.

GRASS, ITALIAN RYE. (Lolium italicum.) An annual grass which thrives in all soils, and produces a good crop of hay. In California the seed should be sown on open ground 50 lbs. to the acre. Lb. 25c, postpaid; by express or freight, lb. 15c, 10 lbs. $1.25. Larger quantities, price on application.
Superb New Antirrhinums or Snapdragons

Snapdragons are among the most popular flowers grown in California. In the last few years great advancement has been made in the development of these lovely flowers, both increasing the size of the blossoms and adding many new and delicate shades. The intermediate or semi-dwarf varieties grow from 15 to 24 inches high and are the most desirable for bedding. The tall varieties grow from 24 to 30 inches high and on account of their long stems are particularly valuable for cut flowers. Below I am offering a large assortment of the very best varieties of recent introduction.

**INTERMEDIATE VARIETIES**

- **Amber Queen.** Bright canary yellow shaded with chamois pink.
- **Antique Rose.** Pale lilac rose with darker shades in the throat.
- **Black Prince.** Nearly black, small dark foliage.
- **Cottage Maid.** Coral pink with white throat.
- **Crimson King.** Bright rich crimson.
- **Delicata.** White ground shaded with delicate pink.
- **Flame.** Brilliant orange scarlet.
- **Golden Queen.** Pure golden yellow.
- **Pink and Terra Cotta Shades.** Beautiful new shades of pink, orange and terra cotta.
- **The Bride.** Pure white.
- **The above varieties, each, per pkt., 10c.**

**SPECIAL OFFER.** Full collection of the above ten varieties, one packet of each, for 75 cents.

**TALL LARGE FLOWERED VARIETIES**

- **Cottage Maid.** Pale pink with white throat.
- **Galathec.** Reddish purple and white.
- **Ghestia.** Rich deep crimson.
- **Fairy Queen.** Rich orange salmon, white throat.
- **Firefly.** Scarlet with white throat.
- **Yellow.** Large clear yellow.
- **Queen Victoria.** Very large pure white.
- **Rose Dore.** Salmon rose shaded with gold.
- **Rose.** Clear deep rose.
- **Vermilion Brilliant.** Orange scarlet.
- **The above varieties each, per pkt., 10c.**

**SPECIAL OFFER.** Full collection of the above ten varieties, one packet of each, for 75 cents.

Sweet Alyssum, Lilac Queen

This new and distinct variety of Sweet Alyssum is of dwarf compact habit and produces flowers of a pure lilac shade. The plants when in full bloom resemble a miniature candytuft. Pkt. 15c.

Amberboa muricata rosea

A new hardy annual. The plants grow to a height of from 1½ to 2 feet, and produce numbers of large flowers, about 2 inches in diameter, somewhat resembling a cornflower or centaurea, but of a charming light pink shade. It is highly recommended for cutting purposes, as the flowers are produced on long stems and last well in water. Pkt. 10c.

Anchusa italicca, Dropmore

This beautiful perennial plant is of recent introduction and should be planted in every garden. The plants grow 4 to 5 feet high and are remarkable for their free and continuous blooming. The flowers, which are produced in long spikes, are of a rich gentian-blue shade. Pkt. 15c.

Long Spurred Hybrid Aquilegias

A magnificent strain of hybrid Columbines producing an abundance of very large flowers, with long spurs and borne on tall, graceful stems. The colors range in all shades of blue, lavender, mauve, yellow, orange, scarlet, rose-pink and white. Pkt. 15c.
Payne's Giant Branching Comet, or Ostrich Plume Aster
(See front cover of Catalogue)
This magnificent strain is without doubt the best of the late flowering asters for our climate. They grow from 2 to 2 1/2 feet high, and form strong, much-branched bushy plants. The flowers are produced in large quantities, on long wiry stems, and are of immense size, often four or five inches across; they are of the most perfect form, with long, broad and curled petals. For cutting purposes this strain has no equal. I offer them in 8 different colors: White, shell pink, light pink, rose, crimson, lavender, dark blue and royal purple. Each, per pkt., 15c. Mixed colors, pkt., 10c.

SPECIAL OFFER. Full collection of the above 8 colors, one packet of each, for $1.00.

Aster, Violet King
By many this is considered the grandest of all Asters. It forms a large branching plant with long, stiff stems and luxuriant dark green foliage. The flowers are of large size, many of them measuring 5 inches in diameter, of rounded form with the petals more or less quilled. The color is a soft shade of violet. Pkt. 15c.

Mammoth Double Daisy
(Bellis perennis flora pleno monstrosa.)
A new strain of this popular perennial plant, remarkable for its strong, robust growth, and abundance of immense very double flowers. These are carried on long stems, often twelve to fifteen on a plant. Double red, pkt. 15c; double white, pkt. 15c.

Cardinal Climber
A new and absolutely distinct annual climber, being the result of a cross between Ipomoea quamoclit, "Cypress Vine," and Ipomoea coccinea. I consider this the most brilliant and beautiful annual vine ever introduced. It will no doubt attract universal attention, not only for the beauty and number of its bright, cardinal-red flowers, but for its hardiness, its quick growth, reaching a height of 20 to 25 feet in a short time, and also for its rich green, laciniated foliage, which resembles that of a fine Japanese Maple. The flowers, which are about 1 1/2 inches in diameter, the tube being about 1 1/2 inches in length, are borne in clusters of from 5 to 7, and their vivid cardinal-red color against the abundant dark green foliage is most effective. This vine thrives best in a good soil and a warm, sunny situation. Sow the seed in the open ground as soon as the weather is warm and settled. Pkt. 15c.

New Double or Anemone Flowered Cosmos
A valuable introduction from England, now offered for the first time in this country. Though not exactly a double flower, on the disk flowers there is produced a thick beard-like growth, giving the flower a full or double appearance in the center, as seen in the accompanying illustration. While they do not come altogether true from seed, a large percentage of the plants produce flowers with this peculiar phenomenon more or less in evidence, the remainder bearing large blossoms of the ordinary type. I am offering them in two distinct colors: Pink Beauty, pkt. 25c; White Queen, pkt. 25c.

New Early Flowering Mammoth Cosmos
A new strain of Cosmos similar in all respects to the Mammoth Perfection, but having the great advantage of coming into flower in a much shorter time from the time of sowing the seed. In three colors: White, pink and crimson, each, per pkt., 10c. Mixed, pkt., 10c.

New Mammoth Fringed Cosmos
This new strain of Mammoth Cosmos produces flowers with beautifully fringed or laciniated petals. Though they do not come absolutely true, a large percentage of the plants produce blossoms of this type, the remainder coming with flowers similar to the ordinary Mammoth Cosmos. In three colors: White, pink and crimson, each, per pkt., 10c. Mixed, pkt. 10c.
DELPHINIMUM
Belladonna hybrids

This magnificent strain of Delphinium is of recent origin, and is unsurpassed by any other strain ever offered. The plants are of rather dwarf habit, rarely growing more than 2½ feet high. They form numerous stems from the crown, but require no staking. Unlike the original Delphinium belladonna, this new type produces flowers in all shades from sky-blue to the very darkest possible shade of blue, including sapphire, turquoise and indigo, many of these intervening shades being beyond description. The flowers are larger than the old variety, and are arranged rather loosely on the spike, so that they stand out boldly from the main stem, presenting a most graceful appearance. Perhaps the most valuable and admirable feature of these plants is their extreme free flowering qualities. If well cared for, and the old stems are kept cut off, they will flower almost the year round, and even through the winter months. Pkt. 25c.

Delphinium, Blue Butterfly

A distinct variety growing about 18 inches high and flowering the first season from seed. The plants have fine, feathery foliage and produce freely, spikes of large single flowers, the color being a rich Salvia-blue. Pkt. 15c.

Dimorphotheca aurantiaca
African Orange Daisy

This is considered by many one of the very best winter flowering annuals yet introduced. By sowing the seed in September or October, it can be had in bloom as early as January and will flower continually until late spring or early summer. It forms neat, much-branched plants, which grow to a height of twelve to fifteen inches, and produce immense quantities of flowers. The marguerite-like blossoms, about two and a half inches in diameter, are of a unique, glossy orange-gold, this brilliant coloring being rendered more conspicuous by the dark colored disk, which is surrounded by a black zone. When in full bloom on bright sunny days, it is truly a magnificent sight, for brilliancy of color almost rivaling the California Poppy. It is especially adapted for planting in masses in beds or borders and parkings. Pkt. 10c, oz. $1.00.

Dimorphotheca aurantiaca hybrids

Splendid new hybrids of this pretty annual from South Africa. In habit and flower these new hybrids are like the parent plant, but range in color from white, lemon yellow, golden yellow, orange to salmon. Pkt. 15c.
**Eschscholtzia, the Mikado**

A new variety, being the result of a cross between Eschscholtzia Mandarin and Carmine King. The flowers are very large, and the plants have all the free blooming qualities of the other Eschscholtzias. The color is a brilliant orange-crimson, suffused with the lustre of the Carmine King, and will be a valuable addition to this beautiful class of plants. Pkt. 15c.

**Eschscholtzia Thorburni**

This valuable novelty has been pronounced by some as the grandest of all the Eschscholtzias. In coloring it is decidedly distinct. The unopened buds on the outer side of the petals are of an extremely deep rich crimson shade, toning down on the inside of the flower to bright flame color, and molten gold. The flowers are larger than most of the other varieties and are produced in great abundance. Pkt. 15c.

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**Freesia hybrida Ragionieri**

This is without doubt one of the most remarkable novelties of late years. The fragrant blossoms are produced in the most exquisite shades of rose, pink, blue, purple, violet, yellow, orange and brown, often delicately veined and spotted. The culture is the same as for the white freesias, and plants can be had in bloom in seven or eight months from the seed. Pkt. 15c.

**Gerbera Jamesonii hybrida**

The flowers of these magnificent hybrids of the Transvaal Daisy are of about the same size as those of the parent, but range in all shades from pure white, yellow, orange, salmon, rose, cerise, ruby-red to violet. Pkt. 25c.

**GERBERA JAMESONII**

**"Scarlet Transvaal Daisy"**

This beautiful plant from South Africa thrives quite well in our California climate, and is becoming very popular here. The plants require a good rich soil, with plenty of drainage and a sunny location. The flowers resemble a marguerite in shape, but are of an intense scarlet-crimson color. They are produced on long stems, and last a long time when cut. The seed should be sown in seed pans of light, well-drained soil, and kept in a glass house or frame, and the young plants can afterwards be transplanted to the open ground. Pkt. 25c.
Geum coccineum, Mrs. Bradshaw

A splendid perennial plant which succeeds remarkably well in California, and blooms for the greater part of the year. The plants grow 1½ to 2 feet high and produce a profusion of large double bright scarlet flowers. Pkt. 15c.

Lathyrus latifolius, White Pearl

A beautiful pure white perennial pea, but recently introduced into this country. It flowers continually during the summer and fall and will be greatly prized by both florists and amateur growers on account of its long-stemmed snowy white blossoms, which are double the size of the ordinary Lathyrus latifolius albus. The flower trusses are of immense size and their pure sparkling white against the dark green foliage is very attractive. The vine is quite hardy, freely branching, and grows very quickly, reaching a height of from 8 to 10 feet. If the seed is sown early, plants will bloom the first season. Pkt. 15c.

Petunia, Payne's Giants of California.

Ruffled and Fringed

The Petunia is one of the most popular plants in California gardens. This superb giant strain I am offering produces immense flowers of great substance, often 4 or 5 inches in diameter, deep-throated and with the edge of the petals beautifully ruffled and fringed. They include all the richest colors and combinations of colors, many of them beautifully veined, mottled or striped. Pkt. 25c.

NEMESIA STRUMOSA SUTTONII

New Hybrids

A beautiful annual of recent introduction which succeeds quite well in California. The plants grow about 1 foot high and produce large quantities of orchid-like blossoms in various shades of pink, rose, yellow, buff, orange and blue, beautifully marked and shaded. Pkt. 25c.

Primula malacoides

This valuable introduction from China has proved to be one of the most free-flowering species and especially valuable for pot culture. The flowers are of a delicate shade of lilac. Seed sown in August produces plants which flower throughout the winter months. Pkt. 25c.

Payne’s Royal Exhibition Pansy

This is undoubtedly the most superb strain of Pansies ever offered on this coast. The plants are of vigorous growth, and are particularly free flowering. The blossoms are very large, and of fine, velvety texture, including all the richest shades, many of them exquisitely blotched, spotted and margined. Pkt. 25c; ½ oz. $1.00.

Payne’s Selected Giant Shirley Poppy

The Shirley Poppy is probably the greatest favorite of all the many varieties of this very popular class of plants. For sowing broadcast in large beds where a display of color is required in a short time, it has no equal; while for a profusion of flowers of graceful forms and delicate tints of coloring it is unrivaled by
any other plant. The strain that I am offering here was carefully selected from the very largest flowered plants, and is unsurpassed for quality and variety of colors. The flowers are of immense size, of the most delicate crepe-like texture, often beautifully fluted or crinkled, of every conceivable shade, from pure white flesh-color, pink, salmon, rose, carmine, scarlet to deep crimson; shaded and blended, sometimes striped or margined. Pkt. 10c.

**Schizanthus Wisetonensis**

One of the daintiest of annual flowering plants and adapted for sowing in beds or borders. The seeds germinate quickly and the plants flower in a remarkably short time. When in bloom the foliage is almost completely hidden by the immense number of delicate butterfly-like flowers which are white, dotted with delicate rose. Makes an admirable pot plant for house or conservatory. Pkt. 15c.

**Double Chrysanthemum Flowered Sunflower**

This splendid strain produces very large flowers of perfect form, resembling giant Chrysanthemums. The plants grow 7 to 8 feet high, forming many branches. The flowers are on long stems, golden yellow and very double. Pkt. 10c.

**New Red Sunflower**

One of the most unique introductions of late years. The flowers are single and vary considerably in size, measuring from 4 to 8 inches in diameter. The color of the flowers also varies greatly, some of them being solid red, others deep maroon, others red tipped with gold and various pleasing combinations of red and yellow, while some of them will come entirely yellow. Planted for a background or as a temporary hedge, they are exceedingly attractive. Pkt. 15c.

**Payne’s Giant Double Zinnia**

The Zinnia is one of the most popular of the summer flowering annuals, producing a grand display of brilliant and dazzling colors for many months, with little care and attention. The plants of this giant strain are of extremely robust growth, attaining a height of from 2 to 2½ feet; bearing immense flowers, often 5 inches in diameter, very double, and of the most striking colors. I offer this superb strain in 7 distinct shades: White, flesh-color, golden yellow, sulphur yellow, scarlet, crimson and purple. Each, per pkt., 15c. All colors mixed, pkt. 10c.

**SPECIAL OFFER.**

Full collection of the above 7 colors, one pkt. of each, for 85c.
FLOWER SEEDS

GENERAL LIST

READ CAREFULLY

In sowing flower seeds in California it is best to remember the conditions are entirely different from those in the Eastern States. Therefore the time for sowing all hardy and half hardy annuals is in the Spring, when in California the majority of them do best. In our Fast East we sow in part of the Winter; this being the season when most of our native annual wild flowers commence to grow. It naturally follows that it is the best time to plant most annuals in our gardens. There are, however, some exceptions to this rule, such as Aster, Zinnia, Portulaca, etc., which are distinctly Summer flowering plants. In the following pages I have endeavored to give special instructions where needed as far as space will permit. Where no special time for sowing annuals is mentioned, it is understood that the Fall and Winter months are the best time.

Note.—All 5c packets at 50c per doz.; 10c pkts., $1.00 per doz., 15c pkts., $1.50 per doz.; 25c pkts., $2.50 per doz.

ACROCLINIUM. “Everlasting Flower.” Annual 1 to 1 1/2 feet high. Pretty daisy-like flowers, very effective for bouquets either fresh or as a dried flower. For drying, cut with long stems, just as the flower comes to hand, tie in bunches and hang up, with the flower downwards, for 4 or 5 weeks until thoroughly dry. It succeeds best in California when grown in the winter season. Sow in the open ground in fall or early winter.

roseum. Bright rose. Pkt., 5c.
album. White. Pkt., 5c.
mix. Pkt., 5c.

AGERATUM MEXICANUM. Annual, 9 to 12 inches high. A favorite bedding plant; flowers in clusters, of brush-like appearance; very free flowering and in bloom nearly all through the season. Seed should be sown in pots or seed boxes and afterwards transplanted.

Imperial Dwarf Blue. Light blue. Pkt., 5c.

ALYSSUM. Free flowering annual, useful for beds, edging, etc.

maritimum. “Sweet Alyssum.” White; height 6 to 9 inches. Pkt., 5c; oz., 30c.

maritimum, compactum. (Little Gem.) Dwarf, white; height 4 to 6 inches. Pkt., 5c; oz., 40c.

Lilac Queen. See Flower Seed Novelties, page 17.

AMARANTHUS. Annual, ornamental foliage plants succeeding well in California, especially in the summer season. Sow the seed in spring in a seed box and transplant to a sunny situation.
tricolor. Leaves red, yellow and green; height 3 ft. Pkt., 5c.

ANTIGONON LEPTOPUS. “Rosa de Montana.” A beautiful perennial climber, producing immense clusters of rose-colored flower-bracts. Sow in pots as early as possible and afterwards transplant. Pkt., 15c.

ANTIRRHINUM. “Snapdragon.” A perennial blooming the first season from seed and generally treated as an annual. Showy plants for borders or large beds.

Large flowered, tall mixed. Height 2 to 2 1/2 ft. Pkt., 5c.
Intermediate, mixed. Height 1 1/2 to 2 ft. Pkt., 5c.
Separate colors. See Flower Seed Specialties page 17.

Tom Thumb mixed; height 9 to 12 inches. Pkt., 5c.

AQUILEGIA. “Columbine.” Magnificent perennial plants growing from 2 to 3 ft. high and flowering in spring and early summer. The seed should be sown in spring in seed pans or boxes and afterwards transplanted to the open ground. They succeed best in a moist shady situation.
californica hybrid. Very large yellow flowers with long orange-colored spurs, extra fine. Pkt., 10c.
ecolides (Rocky Mountain Columbine), pale blue and white. Pkt., 10c.
Skinneri. Scarlet and yellow. Pkt., 10c.

Long Spurred Hybrids. See Flower Seed Novelties, page 17.

ARCTOTIS GRANDIS. Annual forming large, bushy, much branched plants, 2 to 3 feet high. Flowers larger, white on the outer surface, the reverse of petals pale lilac-blue. Of easy culture and remarkably free flowering. Pkt., 10c.

ASTER. A popular annual, largely grown for cut flowers; also for border and rockery purposes. May be sown in seed pans or boxes, and when large enough transplant to rich, well worked soil.

Vickers Branching. A large, late flowering variety in great demand for cutting. The plants form strong branching bushes 2 to 3 feet high, producing large Chrysanthemum-like flowers on long, stout stems.

White, Daybreak pink, rose, crimson, lavender, purple or mixed. Each, per pkt., 10c.

Giant Branching Comet. See Flower Seed Specialties, page 18.

AVICULAE. Perennial, 6 inches. Sow in seed pans and keep in house or frame; can be grown as a pot plant or planted out in sheltered border. Seed saved from splendid collection of finest mixed sorts. Pkt., 25c.

AUSTRALIAN PEA VINE. (Dolichos liguosus.) A very rapid growing vine, with pretty foliage and rose and purple pea-shaped flowers. Valuable for covering up fences quickly; stands the heat well. The seed should be soaked in hot water about 12 hours before sowing. Pkt., 5c.

White Flowered. A pure white flowered variety of this valuable climbing plant. Pkt., 10c.

BALSAAM. “Touch-me-not.” Annual 1 to 1 1/2 feet high. Valuable for summer flowering. Sow the seed in boxes in early spring and afterwards transplant to beds of rich, well prepared soil.


BARTONIA AURIA. Annual 1 to 1 1/2 feet high. Large golden yellow flowers opening during the sunshine. Pkt., 5c.

BEKONIA TUBEROUS-ROOTED. Beautiful perennial plants blooming the first season if sown early. Much used as pot plants; also for planting out in sheltered places. The seed should be sown in well drained seed pans, using a mixture of loam, leaf-mould and sand; press down firmly, sow the seed on the surface and do not cover, but press firmly with the hand; water with a fine spray. When the plants are large enough, pot off into small pots.

Single varieties. Splendid mixed. Pkt., 50c.

BEKONIA EVER-BLOOMING BEDDING VARIETIES. Perennials flowering the first season from seed. Very popular bedding plants, doing well in the full sunlight, also in shady and partially shady situations, flowering for a long period. The plants grow about 1 foot high, forming dense, compact bushes, almost completely hidden by the bright colored flowers. They are also admirable for pot culture or window boxes. Sow the seed the same as the tuberous rooted bekonias.

Inminosa. Deep fiery scarlet, very fine. Pkt., 15c.

BELLIS PERENNIS. “Double Daisy.” Perennial, but flowering the first season from seed. Favorite plants for edgings, low beds, etc. Height 6 inches.

Longflor. Pink and white. Pkt., 10c.
Snowball. Pure white. Pkt., 10c.

Fine mixed. Pkt., 10c.

Montfrosa. See Flower Seed Specialties, page 18.

BRACHYCODIUM HEDRPHILA. “Swan River Daisy.” Annual 1 to 1 1/2 feet, forming a close, compact plant, with immense numbers of large single blue or white flowers, in bloom nearly all the year. Pkt., 5c.
CALCEOLARIA HYBRIDA GRANDIFLORA. A magnificent greenhouse perennial, blooming the first season. Large pocket-like flowers of the most brilliant shades of yellow, maroon, crimson, etc., spotted and blotched in the most unique fashion. The strain offered here is from one of the most celebrated growers in Europe and is unsurpassed in quality. Sow in August or September in seed pans and keep in greenhouse.

Large flowered. Tigreed and spotted, superb mixture. Pkt. 50c.

CALENDULA OFFICINALIS. "Pot Marigold." Annual. 1 foot. The "Marygold" of Shakespeare. Exceedingly showy and free flowering plants of easy cultivation and requiring very little water. Blooming nearly all the year and most valuable for large beds where a mass of color is desired.

Single flowered. Each petal striped with orange. Pkt. 5c; oz. 20c.

Prince of Orange. Brilliant orange, large and very double. Pkt. 5c; oz. 20c.

CALLIOPSIS. Annual, 2 to 3 feet. Showy and free flowering plants of easy culture, doing best in a sunny situation and blooming for a long period. Flowers large, are splendid for cutting purposes.

Bi-color. Golden yellow with brown centers. Pkt. 5c; oz. 25c.

Fine mixed. Pkt. 5c; oz. 25c.

CAMPANULA MEDIUM. "Canterbury Bells." Biennial, 2½ to 3 feet. Old-fashioned favorite flowers of easy cultivation. Can be sown late in spring or early in fall, in seed beds or boxes, and when large enough, transplant to where they are to flower. The plants will bloom the following spring and summer.

Single blue, rose, white, or mixed. Each, per pkt. 5c.

Double blue, rose, white or mixed. Each, per pkt. 10c.

Calycanthemum. "Cup and Saucer Canterbury Bells." Differ from the ordinary type in having an extra large calyx, which is the same color as the flower, giving the appearance of a cup and saucer.

Fine mixed. Pkt. 10c.

CANNA. Perennial, 3 to 6 feet high. Most effective plants for massing in large beds or for borders, making a great display of color. The plants bloom from early spring till late in the fall and the large, bright-colored flowers contrast well against the heavy, handsome foliage. Soak the seed in hot water a few hours before sowing.

New Large-flowered Hybrids. Saved from a choice collection. Pkt. 10c.

Centaurea imperialis

Seedling Carnation

CANDYTUFT. Old-fashioned free flowering annuals growing 1 to 1½ feet high, very desirable for borders and masses.

Carmine. Bright rosy carmine. Pkt. 5c; oz. 30c.

Rocket. White, long spikes. Pkt. 5c; oz. 25c.

Empress. Pure white, long spikes, extra fine. Pkt. 10c; oz. 40c.

Lila. Rosy lilac. Pkt. 5c.

Little Prince. Dwarf, pure white. Pkt. 10c.

All colors mixed. Pkt. 5c; oz. 25c.

CARNATION. Perennial, 1½ to 2 feet high. Well known favorite flowers much used for cutting purposes. Sow in seed pans or boxes, and when large enough, pot off and afterwards transplant to the open ground. The plants will flower the following year; as they bloom they should be carefully marked, saving only the best double flowered ones and discarding the small and single flowered plants.

Perpetual or Tree. Pure white. Pkt. 25c.

Perpetual or Tree, fine mixed. Pkt. 25c.

Redondo. Extra fine mixed. Pkt. 25c.

Marigold. Will bloom in 3 months from time of sowing; mixed colors. Pkt. 10c.

Marguerite Snowflake. Pure white. Pkt. 10c.

CELOSIA CRISPATA. "Cockscomb." Annual, 1 foot high. Valuable as pot plants; also very effective for large beds and borders. They succeed best in a rather light, warm soil. The seed can be sown early in spring in seed pans or boxes and afterwards potted or transplanted to the open ground where they are to flower.

Glasgow Prize. The finest strain; combs of deep crimson color and immense size. Pkt. 15c.

Fine mixed. Pkt. 10c.

CELOSIA PILLARATA. "Feathered Cockscomb." Annual, 2 to 3 feet high. Magnificent plants for large beds or groups. Producing large plume-like flowers, which can be cut and dried for winter bouquets. The seeds should be started in the same way as the other "Cockscombs" mentioned above.


CENTAUREA CANDIDISSIMA. "Dusty Miller." Perennial, 1 to 1½ feet. A beautiful plant with white silvery leaves and used for beds and edgings. The seeds should be sown in seed boxes and afterwards transplanted. Pkt. 10c.

candidissima compacta. An extremely compact growing form of the preceding, and the best for edgings. Pkt. 10c.

CENTAUREA CYANUS. "Cornflower." Annual, 1½ to 2 feet high. A well-known annual, much used for cutting purposes.

Emperor William. Bright blue. Pkt. 5c; oz. 30c.

White, brick red, blue black or mixed. Each, per pkt. 5c; oz. 25c.
CENTAUREA IMPERIALIS. "Royal Sweet Sultan." Annual, 2 to 3 feet. A great improvement on the old strain of "Sweet Sultan"; flowers resemble the "Cornflower" in shape, but are of immense size. Valuable for florists' use, lasting a long time when cut.

Arnold. Pale lilac. Pkt., 10c.

Favorita. Rosy lilac. Pkt., 10c.

Iphigenia. Rosy lilac with light center. Pkt., 10c.

Splendens. Purplish lilac. Pkt., 10c.

Purple lavender, pure white, or mixed. Each, per pkt., 10c.


Cineraria Maritima Acantifolia. Perennial, 1 foot high; beautiful silvery foliage, much used for borders and edgings. Sow the seed in seed boxes and transplant. Pkt., 10c.

Diamond. Perennial, 1 foot high; pretty white foliage, valuable for edgings. Pkt., 10c.

CLARKIA. Annual, 2 to 4 feet high. Free flowering and of easy culture.

elegans. Fine mixed. Pkt., 5c.

pulchella. Red. Pkt., 5c.

CLOANTHUS DAPIERI. "Australian Desert Pea." Perennial, 4 feet high. Bears clusters of drooping pea-shaped flowers, 3 inches or more in length, of a brilliant rich scarlet color marked with a large black blotch in the center. The plants prefer a dry, sunny situation. Pkt., 10c.


COBAEA SCANDENS. Perennial climbing vine attaining a height of 30 feet or more and blooming freely the first season. Valuable for covering trellises, arbors, etc. Large bell-shaped flowers. Sow the seed early in the spring in seed boxes, and as soon as large enough transplant to the open ground. Pkt., 10c.

COLUMBA. Perennial, 1½ to 2 feet high. Magnificent foliage plant. For pot culture or for planting out during the summer season. Sow the seed in pots or seed pans, covering very lightly, and as soon as large enough pot off into small pots. Pkt., 5c.

New large-leaved varieties. The finest strain procurable. Producing large leaves of the most brilliant and showy colors. Pkt., 25c.

Fine mixed. Pkt., 10c.

COLUMNIA BICOLOR. "Innocence." Annual, 1 to 2 feet high. Of slender, graceful habit, with bright green foliage. Flowers in clusters regularly disposed, suggesting rows. Upper lip white or lime, lower violet or rose-purple. Pkt., 5c; oz., 25c.

CONVOLVLUS MAJOR. "Morning Glory." Annual climbing vine attaining a height of about 15 feet. Useful for covering fences, trellises, etc. Soak the seeds in warm water for a few hours before planting.

White, rose crimson, dark blue, or mixed. Each, per pkt., 5c.

Twinor. "Dwarf Morning Glory." Annual, 1 foot, flowers similar to the "Morning Glory," but smaller and remaining open all day in fine weather. Very pretty for borders or grown in masses in beds. All colors, fine mixed. Pkt., 5c.

maritimus. Perennial trailing plant. Valuable for rock work or hanging baskets. Flowers a rich shade of lavender. Soak the seeds a few hours in hot water before planting. Pkt., 10c.

COREOPSIS LANCINATA. Perennial, 2 feet high. Large, showy, bright yellow flowers produced in great abundance. Much used for cutting purposes.

Pkt., 10c.

CORNFLOWER. See CENTAUREA.

COSMOS. Annual, producing large single flowers much used for cutting purposes. The plants vary in height according to the time of year at which they are planted. If sown in the spring they grow very tall, from 5 to 8 feet high, and flower in the fall, but if the seed is sown in the fall, about October, they will flower in about 2 months and the plants will be dwarf, from 1½ to 2 feet high and are very pretty for massing in beds. Seed sown in December will form dwarf plants and bloom about March.

Mammoth perfection, white, dark pink, crimson, or mixed. Each, per pkt., 1 oz., 25c.

Lady Lenox. Very large flowers; a lovely shade of shell pink. Pkt., 10c.

New Early Flowering Mammoth. See Flower Seed Novelties, page 18.

New Mammoth Fringed. See Flower Seed Novelties, page 18.

New Double. See Flower Seed Novelties, page 18.

CUCURBITA. Annual, 2 to 3 feet. Deep orange-colored flowers. 2 to 3 inches in diameter, blooming in the fall. Pkt., 10c.

CUCUMBER WILD. (Echinocystis lobata.) A quick growing annual vine for covering trellises, etc., Pkt., 10c.
CYCLAMEN PERSICUM. Perennial, 8 to 10 inches. Charming plants with rich colored, fragrant flowers. Blooming in winter and spring. Generally grown as a pot plant. The seed may be sown in the spring or early in the fall in seed pans of rich soil, mixed with leaf-mold and sand and potted on when large enough.

giganteum. Fine mixed. Pkt., 15c.

cypresses. A popular annual climbing vine with delicate fern-like foliage and masses of small star-shaped flowers. Sow early in spring; soak the seed in warm water a few hours before sowing. Scarlet, white or mixed. Each, per pkt., 5c.

DAISY. See BELLIS.

DAHLIA. Perennial, 4 to 6 feet, flowering the first season from seed. Well known plants with large, showy flowers, useful for beds and masses. Sow the seed early in spring in seed boxes and afterwards transplant to the open ground. Dahlias like a rich soil with plenty of well rotted manure and should be watered freely. In raising Dahlias from seed many of them will come semi-double, although the seed is saved from the very best double varieties. The best varieties should be marked when in flower and at the end of the season the poor ones discarded and the better ones can be taken up and divided and again replanted.

cactus. Double, with long pointed petals; seeds saved from one of the finest collections. Mixed colors. Pkt., 15c.

cactus. Large flowers; the best strain procurable. Mixed colors. Pkt., 15c.

Single. All colors; splendid mixed. Pkt., 10c.

DIGITALIS. "Foxglove." Perennial, 2 to 5 feet. An old-fashioned flower with long spikes of tubular-shaped flowers. Sow the seed in spring or fall in seed pans and afterwards transplant.

gloxiniforma. Beautifully spotted, fine mixed. Pkt., 5c.

ESCHSCHOLTZIA CALIFORNICA. "California Poppy." Annual, 1 to 1½ feet high. A well known native flower with blossoms 2 to 3 inches in diameter. Yellow, orange and white. Each, per pkt., 5c; oz., 25c.


Rose Cardinal. White with rose on outside of petals. Pkt., 10c.

Carmine King. Carmine rose on both sides of petals. Pkt., 10c.

Golden West. Canary-yellow with orange blotch at base of each petal. Pkt., 10c.

Mandarin. Inside of petals rich orange, outside orange-scarlet. Pkt., 10c.


FUCHSIA HYBRIDA. Perennial, 2 to 4 feet. A well known favorite flower both for pot culture and for the garden. Seed may be sown in spring or early fall in seed pans of light, rich soil. Single and double, fine mixed. Pkt., 25c.

GAILLARDIA PICTA. Annual, 1 to 1½ feet high. Sow in early spring.

picta. Crimson and orange. Pkt., 5c.

Lorenziana. Double, fine mixed. Pkt., 5c.

GAILLARDIA GRANDIFLORA. Perennial, 1½ feet. Large flowered varieties, fine mixed. Pkt., 15c.

GERANIUM. Well known perennial, single varieties, splendid mixed. Pkt., 10c.

Gilia Tricolor. "Bird's Eyes." Annual, 9 inches to 1 foot high. Flowers pale lilac, yellow toward the center, with five purple spots. Charming combination of colors. Pkt., 5c; oz., 25c.

GLOXINIA HYBRIDA. Beautiful perennial greenhouse plant, height about 6 inches, with handsome foliage and immense trumpet-shaped flowers which are of a texture like velvet, of the most brilliant shades of violet, purple, crimson, scarlet, pink and lavender. Often beautifully blotched and spotted. Sow the seed in February or March in seed pans of light soil mixed with leaf-mold. Do not cover the seed, but sow on the surface and press down firmly with the hand and water with a fine spray. Keep in a greenhouse: when plants are large enough, pot off as required. All colors, splendid mixed. Pkt., 25c.

GODETIA. Annual, 1 to 2 feet high, with large, showy flowers. Especially valuable for sowing in partially shady places.

Duchess of Albany. Pure white. Pkt., 5c.


Lady Albenemele. Large brilliant crimson. Pkt., 5c.

Lady Satin Rose. Bright carmine. Pkt., 5c.

Hybrids. Mixed colors. Pkt., 5c; oz., 25c.

Eschscholtzia californica, "California Poppy"
GOMPHRENA GLOBOSA. "Globe Amaranthus." Annual, 1 1/2 to 2 feet high. Producing numerous flowers resembling clover heads, which are cut and dried as an everlasting flower. White, pink, purple and striped. Pkt., 5c.

GYPSOPHILA ELEGANS. Annual, 1 1/2 to 2 feet high. Much used for bouquets for mixing with carnations and other flowers. Flowers small, white; blooming best in the winter season. Pkt., 5c.

HELIANTHUS. "Sunflower." Annual, 6 to 7 feet. Well known showy plant for summer flowering. Sow the seeds in the spring in the open ground where they are to remain and flower.

HELICHRYSUM. Double yellow. Pkt., 5c.

HELIOTROPIUM. Annual, 2 to 3 feet. Flowers smaller than the preceding. White and used for bouquets. Blooms during the summer season. Pkt., 5c.

HOLLYHOCK. Pkt.

GYPSOPHILA ELEGANS. Annual, 1 1/2 to 2 feet high. Much used for bouquets for mixing with carnations and other flowers. Flowers small, white; blooming best in the winter season. Pkt., 5c.

GLOBULARIA. Annual, 2 to 3 feet. Flowers white, with large drooping panicles of blood-red flowers. Seed should be sown in the spring and the plants will bloom during the summer. Pkt., 6c.

HUNEMANNIA FUMARIAEFOlia. "Mexican Poppy." Perennial, 2 to 3 feet. Large flowers resembling the California poppy, but more bowl-shaped and of a light canary-yellow color. Very free flowering and especially valuable for cutting purposes, the blooms lasting a long time in water. Blooms freely the greater part of the season. If sown in the spring or summer will bloom within a few months of the time of sowing. Pkt., 10c.

POMOEA LEAR. "Blue Dawnflower." Perennial climbing vine, 30 to 45 feet. Likes a warm, sunny situation. Sow the seed in hot water a few hours before planting and sow in spring when the weather is warm and settled. Pkt., 10c.

LARKSPUR. Annual, 3 feet high. Free flowering plants. Useful for beds and also for cutting.

LAVATERA TRIMESTRIS. Annual, 3 feet high, producing large saucer-shaped flowers. Sow in spring. Rose color or white. Each, per pkt., 5c.

LINARIA CYMRALLARIA. "Kenilworth Ivy." A charming little perennial trailing plant. Useful for baskets, rock work, etc. The flowers are like a miniature Snap-Dragon; color lavender and purple, and contrast well with the small ivy-shaped leaves. Pkt., 10c.

LINUM GRANDIFLORUM RUBRUM. "Scarlet Flax." Annual, 1 to 2 feet high. Very effective for planting in masses in large beds for growing broadcast on waste ground. Pkt., 5c; oz., 25c.

L. PERENNE. Perennial, 1 1/2 feet, bright blue flowers. Pkt., 5c.

LOBelia. Annual, 4 to 6 inches, forming compact, free flowering plants much used for edgings, etc. Sow the seed in February in seed pans of fine light soil. Do not cover the seed, but sow on the surface and press down firmly with the hand and water with a fine spray. As soon as large enough to be handled, the seedlings may be pricked out into shallow boxes and afterwards transplanted to the open ground.


Hybrid Hamburgia. Large flowers, sky-blue with white eye, extra fine. The best sort for hanging baskets, Pkt., 10c.

Hybrid Sapphire. New, deep blue, with white eye. Of trailing habit, valuable for hanging baskets and window boxes. Pkt., 15c.

LOBELIA CARDINALIS. Queen Victoria. Perennial, 3 feet. Dark bronze foliage and brilliant scarlet flowers. Sow seed the same as the annual varieties. Pkt., 15c.

LOVE-LIES-BLEEDING (Amaranthus caudatus). Annual, 2 feet high, with large drooping panicles of blood-red flowers. Seed should be sown in the spring and the plants will bloom during the summer. Pkt., 6c.
Lupinus, Annual Varieties Mixed. 1 to 3 feet high. Well known free flowering plants. Pkt., 5c.; oz., 35c.

Lupinus Alboreus, Snow Queen. Perennial, 4 feet. A magnificent variety, producing long spikes of pure white flowers. Sow in fall either in the open ground where the plants are to remain, or in pots, and afterwards transplant. Pkt., 15c.

New Hybrids. A splendid new strain, producing large flowers in different colors. Pkt., 15c.


Malope Grandiflora Purpurea. Annual, 2 feet high. Flowering well during the summertime. Large crimson flowers. Pkt., 5c.

Alba. White. Pkt., 5c.


Marigold, African. Annual, 3 feet. Flowering in summer and fall. The flowers are large, double and very showy. Sow in spring.


El Dorado. Flowers large imbricated and extremely double. Colors in all shades of yellow. Pkt., 5c.

Double Fine Mixed. Pkt., 5c.

Marigold, French. Annual, 1 to 2 feet high. Sow in spring.

Gold Striped. Very double; deep brownish-red striped with golden yellow. Pkt., 6c.

Double Yellow. Pkt., 5c.

Dwarf Fine Mixed. Pkt., 5c.

Legion of Honor. "Little Brownie." A compact growing single variety. Golden yellow marked with large spot of crimson velvet on each petal. Pkt., 5c.


Maurandia. Perennial climber, 6 feet. Delicate foliage and pretty trumpet-shaped flowers. Sow early in spring and the plants will bloom the first season. Mixed colors. Pkt., 10c.

MeSEMBRYANTHEMUM. Dwarf, trailing, annual. Blooming during the summer. Sow the seed in spring in a warm, sunny situation.

Crystallinum. "Ice Plant." Flowers white. Foliage has the appearance of being coated with ice. Pkt., 5c.


Mignonette. Annual, 8 inches to 1 foot high. An old-fashioned flower much prized for its fragrance.


Macbeth. Of dwarf pyramidal habit; very fragrant. Pkt., 10c.; oz., 35c.

Allen's Distance. A large variety with immense spikes. Pkt., 10c.; oz., 45c.

Victoria. Bright red, large spikes. Pkt., 10c.; oz., 50c.


Mimus. Perennial plants of great beauty, succeeding best in a moist, shady place. Sow the seed in the fall in seed pans of light soil mixed with leaf mould; sow the seed on the surface and water with a fine spray. Pot off the plants when large enough, and later plant out in the open ground.

tigrinus Grandiflorus. "Monkey Flower." Height 1 1/2 feet, spotted and blotched varieties, fine mixed. Pkt., 10c.


Mina Lobata. Beautiful annual climbing vine attaining a height of 10 to 12 feet. Flowers in long, graceful spikes; color bright red, changing to orange and cream. Sow in spring in a warm, sunny situation. Pkt., 10c.

Mirabilis Jalapa. "Marvel of Peru" or "Four-o'clock." Free flowering annual of bushy habit, growing 3 to 4 feet high and flowering throughout the summer. All colors mixed. Pkt., 5c.

Momordica Balansamina. "Halsam Apple." Annual climbing vine, 8 to 10 feet, with large leaves making a dense shade. The flowers are followed by curious orange-colored warty fruits, which burst, showing the seed and its brilliant crimson covering. Pkt., 10c.

Myosotis. "Forget-me-not." Perennial, 6 to 10 inches, succeeding best in a shady, moist situation. Sow the seed in the fall in seed boxes and transplant.

alpestris. Bright blue. Pkt., 10c.

distilliflora. Of compact habit; deep blue. Pkt., 15c.

Nasturtium, Tom Thumb. Annual, 8 inches to 1 foot; useful for bedding and borders, flowering through the summer and also through the winter in locations where they are not cut by the frosts.

Scarlet. Pkt., 5c.

Lady Bird. Orange-yellow, red spots. Pkt., 10c.

Ruby King. Light ruby-red. Pkt., 10c.


King of Tom Thumbs. Scarlet, dark foliage. Pkt., 5c.

Empress of India. Crimson, dark foliage; dwarf and compact; effective for beds and edging. Pkt., 10c.

Crimson. Pkt., 5c.

All Colors Mixed. Pkt., 5c; oz., 15c.

Nasturtium, Golden King

Nasturtium Tall. Climbing annual, 6 to 10 feet, of easy culture. Useful for covering fences, trellises, etc., and also very effective when allowed to run on the ground.

Scarlet. Pkt., 5c.

Dark Crimson. Pkt., 5c.

Pearl. Creamy white. Pkt., 5c.

Prince Henry. Yellow marbled with scarlet. Pkt., 10c.

Black Prince. Blackish purple, changing to a velvety black; dark foliage. Pkt., 10c.

Chameleon. Flowers of different shades on the same plant. Pkt., 10c.


Moonlight. Very large, creamy yellow. Pkt., 5c.

Rose. Pkt., 5c.


Regelmann. Purple violet. Pkt., 5c.

Vesuvius. Salmon rose, dark foliage. Pkt., 5c.

Fine Mixed. Pkt., 5c; oz., 10c; 1lb., $1.00.

Mnesia. See Flower Seed Specialties, page 21.
NEMOPHILA. A beautiful native annual, 4 to 6 inches high and flowering in 8 or 9 weeks from the time of sowing.

maculata. White, spotted with purple. Pkt., 5c; oz., 25c.
Fine mixed. Pkt., 5c; oz., 25c.

NICOTIANA. Annual, 2 to 4 feet. Sow the seed in the spring in seed boxes and transplant.

affinis. Large white, fragrant flowers, 3 inches across. Pkt., 10c.
Sanderseae hybrids. Splendid plants, flowers in great variety of colors. Pkt., 10c.

NIEEREMBERGIA CALYCEA. Slender growing perennial plant, 1 to 1 1/2 feet. Desirable for hanging baskets, rock work and bedding. Sow the seed in boxes. Flowers white tinted with lavender. Pkt., 10c.

NIGELLA DAMASCENA. "Love-in-a-Mist." Annual; height 1 1/2 feet, with finely cut foliage; curious looking flowers of a pale blue color. Pkt., 5c.
Miss Jekyll. Flowers of a beautiful corn-flower blue, fine for cutting. Pkt., 10c.

OENOTHERA DRUMMOND. "Evening Primrose." Annual, 2 to 3 feet, with large yellow flowers. Succeeds well in a partially shaded place. Pkt., 5c.

Cassier's Large Flowered Blotched. A splendid strain; flowers beautifully blotched, of richest shades. Pkt., 25c.
Odier, or Blotched. Beautiful three and five blotched flowers. Pkt., 25c.
Masterpiece. "Frilled Pansy." A grand new class, each petal being conspicuously waved or curled, giving the flower a double or globular appearance. Rich colors, mostly of the dark, velvety shades. Pkt., 25c.


GIANT TRIMARANDEAU. Large flowered, mixed colors. Pkt., 25c.

English Show or Faced Pansy. Mixed colors. Pkt., 10c.

All colors mixed. Pkt., 10c.

GIANT PANSIES, SEPARATE COLORS
Any of the following varieties, per pkt., 10c; 1/2 oz., 40c.

Giant Adonis. Beautiful light blue.
Giant Andromeda. Rose and lavender.
Giant Bridesmaid. White and shining rose, beautifully blotched.
Giant Emperor William. Ultramarine blue.
Giant Freeya. Purple edged with white.
Giant Golden Yellow, Five Spotted, a beautiful flower of Cassier type.
Giant King of the Blacks. Velvety black.
Giant Lord Beaconsfield. Violet, upper petals shading to white.
Giant Madame Perret. Beautiful wine shades on white ground.
Giant Peacock. Royal purple, shot with peacock blue.
Giant Prince Bismarck. Yellowish brown, black eye.
Giant Snowflake. Pure white.
Giant White. White with purple eye.
Giant Yellow. Yellow with black eye.

PANSIES, SEPARATE COLORS
The following varieties, per pkt., 10c; 1/2 oz., 40c.

Azure Blue.
Cardinal. Brilliant red.
Cliveden Purple. Excellent bedding variety.
Cliveden White. Excellent bedding variety.
Cliveden Yellow. Excellent bedding variety.
Emperor William. Ultramarine blue.
Fairy Queen. Light blue, bordered white.
Faust or King of the Blacks. Velvety black.
Gold Margined. Brown edged with gold.
Lord Beaconsfield. Purple violet, upper petals shaded to white.
Mahogany-colored.
President Carnot. White, each petal blotched with deep violet.
Silver-edged. Purple, margined with white.
Snowflake. Pure white.
White. Pure white, with black center.
Yellow Gem. Pure yellow.
Yellow. Golden yellow with black center.

PENTSTEMON. Perennial, 2 to 3 feet. Free flowering plants for borders or beds. Colors in various shades of white, pink, red and purple; beautifully spotted and marked. Sow the seed in spring or early fall in seed boxes and when large enough, transplant.

Harrington grandiflorus. Large flowered, superb, mixed. Pkt., 10c.

PETUNIA. Perennial, 1 to 1 1/2 feet. Charming plants for large beds and borders, succeeding well in a sunny situation and blooming for the greater part of the year. Sow the seed in February in seed pans or boxes of light soil, cover the seed very lightly and water with a fine spray. When the plants are large enough, transplant to the open ground.
PETUNIA—(Continued)

Double Fringed. Large flowered, mixed colors. Pkt., 10c.

Double Large Flowered. All colors mixed. Pkt., 25c.


Single, Pure White. Pkt., 10c.

Rosy Horn. A dwarf, compact variety with rose-colored flowers, especially desirable for bedding. Pkt., 15c.

Single, Choice mixed. Pkt., 10c.

PHLOX DRUMMONDI GRANDIFLORA. Beautiful annuals, growing about 1 foot high with brilliant colored flowers, producing a dazzling display of color when planted in masses, in large beds or borders. Sow in seed boxes and when large enough, transplant to the open ground.

Large Flowered, white, chamois rose, scarlet, crimson, red with white eye, pink, yellow, or mixed. Each, per pkt., 10c.

Ordinary mixed. Pkt., 10c.


Mixed. Pkt., 10c.


PHLOX DECUSSATA. “Perennial Phlox.” This splendid, free flowering perennial is deserving of a place in every garden. The plants grow about 3 feet high and produce large heads of flowers of the most beautiful shades. Sow the seed in the fall in seed pans and afterwards transplant. All colors splendid mixed. Pkt., 10c.

POLYANTHUS. (Primula elatior.) Perennial, 6 to 8 inches; succeeding best in a partially shaded piece and flowering during winter and early spring. Sow the seed in spring in seed boxes and transplant. Large flowered choice mixed. Pkt., 10c.

POPPY, ANNUAL SORTS. Showy flowers for beds and borders, also very effective for sowing broadcast on waste pieces of ground. The best results will be obtained by sowing in fall or early winter.

Payne’s Selected Giant Shirley. See Flower Seed Specialties, page 21.

Shirley. Single flowers of the most delicate crepe-like texture and every conceivable shade of color from white, flesh-color, pink, rose, carmine, scarlet to deep crimson. Pkt., 5c; oz., 25c.

PETUNIA—(Continued)

POPPI—(Continued)

Tulip. Large single tulip-like flowers, color dazzling scarlet. Height 1½ to 2 feet. Pkt., 10c; oz., 50c.

Admiral. Large single flowers, pure white with a broad band of brilliant scarlet around the upper part of the flower. Pkt., 10c.

Danembror or Danish. Large single flower, brilliant scarlet with silvery white spot on each petal forming a white cross. Height 3 feet. Pkt., 5c.

Double Fringed Petunia

Double Fringed. Large flowered, mixed colors. Pkt., 10c.

Large Flowered. All colors mixed. Pkt., 25c.


Single, Pure White. Pkt., 10c.

Payne’s Specialties, Shirley.

Single mixed. Pkt., 10c.

Umbraum. Single flowers, rich vermilion with deep black spot at base of petal. Height 2 feet. Pkt., 5c.

Miss Sherwood. Large single flowers, satiny-white, the upper half of petals chamois rose. Height 3 feet. Pkt., 5c.

King Edward. Large single flowers; deep scarlet, shaded crimson, with large black blotch on lower half of each petal. Height 3 to 4 feet. Pkt. 10c.

Carnation Flowered. Large double fringed flowers, mixed colors. Height 3 to 4 feet. Pkt., 5c; oz., 25c.

White, Rose and Scarlet. Each, per pkt., 10c.

Paeony Flowered. Large double globular flowers, mixed colors, Height 3 to 4 feet. Pkt., 5c.

Ranunculus Flowered. Double flowers about 2 inches in diameter and of every imaginable shade of color. Height 2 feet. Pkt., 5c.

Admiral Poppy

POPPI, ICELAND. (Papaver nudicaule.) A perennial, blooming the first season from seed. Pretty, grayish, fern-like foliage, formed in tufts, from which rise numerous slender stems about 1 foot high, bearing single bright colored flowers. Sow the seed in seed boxes and transplant. White, yellow, deep orange and mixed. Each, per pkt., 10c.
POPPY, ORIENTAL. (Papaver orientale.) A perennial producing many thick, leafy stems, 3 to 4 feet high, with large, deep crimson flowers, having a black blotch on each petal, exceedingly showy. Sow the seed in spring or early in the fall in seed boxes; when large enough, pot up into small pots and later transplant to the open ground. Pkt., 10c.

Oriental Hybrids. Splendid hybrids of the Oriental Poppy, producing immense flowers, 6 inches or more in diameter, beautiful shades of pink, salmon, orange, scarlet, etc. Treat the seed the same as the preceding variety. Pkt., 10c.

PORTULACA. A low spreading annual about 6 inches high, flowering in a short time from seed and blooming through the entire summer season. Very effective for making in beds, producing a perfect carpet of brilliant colors. Sow the seed in spring after the weather has become warm and settled.

Single, White. Yellow, Pink, Crimson or Mixed. Each, per pkt., 5c.
Double, fine mixed. Pkt., 10c.

PRIMULA SINENSIS FIMIRIATA. "Chinese Primrose." Beautiful greenhouse plants, blooming in winter and spring. Sow the seed in August or September in pots or seed pans of rich loam mixed with sand, cover the seed lightly and keep in a greenhouse; when large enough, pot into small pots and later to larger pots as required. The seed offered here is of the finest strains, imported direct from one of the best European growers.

alba magnifica, pure white. Pkt., 25c.
rubra magnifica, bright red. Pkt., 25c.
Holborn Blue. A unique shade. Pkt., 50c.
Choice mixed. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA. A charming little plant for pot culture. Perennial but blooming in a few months from seed; height 6 to 8 inches. A profuse bloomer, bearing heads of 10 to 15 flowers on long stems. Sow the seed in August or September in pots or seed pans of light, rich loam and keep in a frame or greenhouse, pot up when ready. Mixed colors. Pkt., 10c.

Forbesi. "Baby Primrose." A pretty little flower for pot culture, blooming all winter and until late in the spring. This is the freest flowering of all the Primulas and commences to flower in less than 3 months from sowing the seed. The plants throw up tiny flower stalks in great abundance, with sprays of minute but exquisitely beautiful flowers, rosy-lilac with yellow eye. Sow the seed the same as the preceding variety. Pkt., 25c.

PRIMULA MALACOIDES. See Flower Seed Specialties, page 21.

PYRETHRUM. "Golden Feather." Pretty foliage plants with deeply cut leaves, useful for edgings; perennial, 6 to 8 inches. The plants should be kept trimmed and all flowers cut off as they appear. Sow the seed in boxes, covering very lightly, and when large enough, transplant to the open ground. Pkt., 10c. nucum. Golden yellow foliage. Pkt., 10c.

Rhodanthe. A graceful little "Everlasting Flower," annual, 1 foot high. Treat the same as Acroclinium, Pink, rose, white, crimson, etc., mixed. Pkt., 10c.

RICINUS. "Ornamental Castor Bean." Rapid growing plants with immense, rich colored leaves, producing a sub-tropical effect planted on lawns or in clumps. Height 6 to 10 feet. Sow in spring when the weather has become warm and settled.

Cambridgesia. Main stem and leaf stalks rich, simulating ebony; leaves large, maroon with red veins. Pkt., 5c.
Gibsoni. Dark purplish red foliage and stems. Pkt., 5c.
Zanzibaricaeas. Very large, dark leaves, with reddish stems. Plants grow to immense size. Pkt., 5c.

ROMNEYA COULTERI. "Matilija Poppy." A native of California; perennial, 6 to 10 feet high and of shrubby growth. The queen of California flowers; truly a majestic plant. The plant throws up numerous woody stems with handsome gray-green foliage, topped with large numbers of flowers. The blossoms are often 4 to 7 inches in diameter, of a crepe-like texture, pure glistening white with bright yellow centers. The seed is hard to germinate; some claim to have had success by soaking the seed in a weak solution of lye. Pkt., 10c.

SALPIGLOSSIS GRANDIFLORA. Annual, 1½ feet. Free flowering plants for beds or borders; succeeding best in a sunny situation and blooming all summer. The plants are large, funnel-shaped and produced in great profusion; colors yellow, pink, rose, crimson, brown, maroon, purplish violet, etc.; beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough, transplant.

SALVIA SPLENDENS. "Scarlet Sage." For producing a dazzling mass of color all through the summer months there is probably no other flower that can equal the "Scarlet Sage." It is a perennial, but blooms in a short time from seed. Much used for bedding and succeeds very well in a sunny situation. Sow the seed in February or March in seed boxes and when large enough, transplant.

Splenodes. Long spikes of vivid scarlet flowers; height 2 to 3 feet. Pkt., 10c.

"Bonfire." Forms compact, bushy plants about 2 feet high by 2 feet in diameter. The flower spikes stand erect, often bear 20 to 30 blossoms and 200 of these spikes on a plant is not unusual; color vivid scarlet. Pkt., 10c.

Danebrog Poppy

Romneya coulteri

SALPIGLOSSIS GRANDIFLORA
SALVIA PATENS. "Blue Sage." Perennial, 2 feet, flowering the first season from seed, succeeding best in a partially shaded situation. Flowers the most perfect shade of bright blue. Sow the seed the same as the preceding varieties. Pkt., 15c.

SCHIZANTHUS. Annual, 1½ to 2 feet, producing pretty, butterfly-like flowers in great profusion, especially valuable for cutting. Sow in the spring or early in the fall. Flowers last a long time in water. Sow the seed in a mixture of sand and soil. Pkt., 10c.

SCHIZANTHUS WISETONENSIS. See Flower Seed Specialties, page 25.

SHASTA DAISY. One of the most popular of Mr. Burbank's productions. Perennial, about 2 feet high, flowering for the greater part of the year, but at its best in spring and early summer. Desirable for beds or borders and especially valuable for cutting purposes. Sow in the spring or early in the fall. Sow the seed in a mixture of sand and soil. Pkt., 10c.

SILENE PENDULA COMPACTA. Annual, forms compact little plants about 6 inches high, flowers rose-colored; useful for edging, etc. Pkt., 5c.

SMILAX. Perennial climbing vine, 6 to 8 feet, thriving best in a partially shaded place. Largely grown for decorating purposes. Sow the seed in hot water for a few hours before sowing. Pkt., 10c.

SOLIDAGO CANADENSIS. "Golden Rod." A favorite perennial plant for borders, 2 to 4 feet. Flowers golden-yellow, in long spikes. Sow the seed in early fall in seed boxes and transplant. Pkt., 10c.

STATICIA LATIFOLIA. "Sea Lavender." Perennial, 1½ feet, producing panicles of small lavender blue flowers, which can be cut and dried and used for bouquets. Sow the seed late in spring or early in the fall, in seed boxes, and transplant. Pkt., 10c.

STOCKS. "Gilliflower." A favorite annual, succeeding best in California during the winter season. Largely grown for cut flowers, lasting a long time in water. Very effective when planting in beds or borders. To obtain the best results the seed should be sown in August, September, or early part of October, in seed boxes of rather light soil, and afterwards transplanted to the open ground. In transplanting stocks care should be taken to save the small or weak growing plants, as these generally produce double flowers, while the strong, robust growing seedlings often come single. The seed I offer is obtained direct from one of the best specialists in Europe and can be relied upon to produce a large percentage of double flowers.

STOCKS—(Continued)

Giant Perfection Ten-week. This superb strain originally introduced to the California trade by myself a number of years ago, is particularly adapted to California and is really the best stock for cutting purposes. I have furnished many commercial growers with this strain for a number of years, and it has given complete satisfaction. White, sulphur yellow, rose, flesh-color, crimson, lavender, purple. Each, per pkt., 15c. Mixed, pkt., 10c.

DWARF LARGE-FLOWERED TEN-WEEK. Of compact growth, 1 to 1½ feet high, particularly suitable for bedding. White, rose, flesh-color, crimson, violet or mixed. Each, per pkt., 15c.

Perpetual or Branching, Princess Alice. "Cut and come again." Pure white, a favorite for cutting. Pkt., 10c.

STOCKS.—(Continued)

Queen Alexandra. Similar to Beauty of Nice except in color, which is a delicate shade of rosy-lilac. Pkt., 15c.

Crimson King. Large spikes, rich crimson. Pkt., 15c.


Almond Blossom. White shaded carmine. Pkt., 15c.

Mixed Colors. Pkt., 15c.


SUNFLOWER. See HELIANTHUS.

SWEET WILLIAM. Perennial, 1 foot. An old-fashioned flower for beds or borders, producing a great display of showy and varied colors. Sow the seed early in spring; the plants will flower the following year.


Single, all colors mixed. Pkt., 5c.

Double, all colors mixed. Pkt., 10c.

TACSONIA MANICATA. "Scarlet Passion Vine." A magnificent perennial climber, producing an abundance of large scarlet blossoms. Sow the seed in pots or seed pans and afterwards transplant. Pkt., 15c.


TAGETES SIGNATA PUMILA. A miniature Marigold, forming compact little plants 6 to 8 inches high, and completely covered with flowers, which are bright yellow with brown stripe down the center of each petal. Annual flowering during the summer season; very striking for edgings. Sow the seed in spring in boxes and transplant. Pkt., 5c.

THUNBERGIA ALATA. Annual climbing vine 5 to 6 feet, useful for low fences; also for hanging baskets. Sow the seed in spring. Flowers white, yellow, orange and buff, with dark centers, mixed. Pkt., 10c.


VERBENA. Perennial of reclining habit, height 9 to 12 inches. The plants bloom the first season from seed and are unsurpassed for bedding where a display of color is desired. After they are established, they grow with scarcely any attention and a small amount of water, preferring a sunny situation. Sow the seed in winter or early spring in seed boxes and when large enough, transplant.

Mammot, White, pink, purple or Scarlet Defiance. Each, per pkt., 10c.

Mammot, all colors mixed. Pkt., 10c.

Ordinary mixed. Pkt., 5c.

VIOLA ODORATA. "Sweet Violet." A favorite fragrant flower, perennial, 6 inches. Succeeding best in a rather shady situation. Sow the seed in winter or early spring, in seed boxes of good loam mixed with some leaf-mould, covering the seed lightly, or they may be sown in a well-prepared bed in a shady situation. Violet seed is slow to germinate.

odorata. The old-fashioned Sweet Violet. Pkt., 10c.

The Carpet. A large flowered Russian variety. Pkt., 10c.

Princess of Wales. The largest violet in cultivation and the one so largely used for cutting. Pkt., 10c.

VIOLA CORNUTA. "Tufted Pansy." Though the flowers are not as large as the regular pansies, they bloom so freely that many people consider them superior where a mass of color is desired. The plants bloom for a long period and the colors are particularly clear and distinct. The flowers are light and graceful, and not so stiff as those of the regular pansy. Sow the seed from August to January in beds or boxes of light, rich soil and afterwards transplant. All colors, splendii mixed. Pkt., 10c.

WALLFLOWER. An old-fashioned fragrant flower; biennial, 1 to 1½ feet. Sow the seed in spring and transplant. The plants will flower the following winter.


Single mixed. Pkt., 5c.

Double mixed. Pkt., 10c.

ZINNIA ELEGANS. A favorite summer flowering annual for beds and borders, thriving best in a sunny situation. The seed can be sown in spring in seed boxes and transplanted, or later on in the open ground. Pkt., 5c.

Double, all colors mixed. Height 1½ to 2 feet. Pkt., 5c.

Payne's Giant Double. See Flower Seed Specialties, page 22.

Payne's Special Collections of Flower Seeds

CLIMBING NASTURTIUM.

Six distinct varieties in separate packets, my selection, mailed for ............ 25c

DWARF NASTURTIUM.

Six distinct varieties in separate packets, my selection, mailed for ............ 25c

PHLOX DRUMMONDI.

Six distinct varieties in separate packets, mailed for ......................... 50c

ANNUAL POPPY.

Six distinct varieties in separate packets, my selection, mailed for ............ 25c

LARGE FLOWERED SCABIOSA.

Six distinct colors in separate packets, my selection, mailed for ............ 50c

GIANT PERFECTION STOCK.

Six distinct colors in separate packets, my selection, mailed for ............ 75c

MAMMOTH VERBENA.

Four distinct colors in separate packets, mailed for ....................... 30c

CALIFORNIA POPPY.

(Regular retail price, 50c)

Containing nine (9) distinct varieties in separate packets, including Golden West, Burbank's Crimson Flowering, Carm. King and Thornburn, etc. mailed free anywhere for ....... 50c
PAYNE’S SWEET PEAS

CAN be sown at any time from October to March; early planting will produce the best results. They require an open situation, good rich soil and plenty of water. Sow in drills covering the seed about two inches deep or a trifle more in light soils. When about a foot high draw the earth up to the stems with a hoe. They should have brush, sticks or wire netting to climb over. By keeping the flowers gathered and any dead flowers cut off, the plants will bloom for a long period.

PAYNE’S SPENCER SWEET PEAS

A grand new class of Sweet Peas, having large, round, open flowers of extraordinary size, often 2 inches across, with wavy standard and wide-spreading wings, a large number of the flowers coming four on a stem.

Apple Blossom Spencer. Rose and blush white. Pkt., 10c; oz., 30c.

Asta Ohn Spencer. Lavender shaded with mauve. Pkt., 10c; oz., 30c.

Countess Spencer. Clear pink, deepening somewhat towards the edge. A very large flowered variety. Pkt., 10c; oz., 25c.

Dobbies Cream. New, cream color, extra fine. Pkt., 10c; oz., 20c.

Elfreida Pearson. Blush pink, deepening toward the edges. Pkt., 10c; oz., 30c.

Florence Morse Spencer. Delicate blush, with pink margin. Pkt., 10c; oz., 20c.

George Herbert. Very large, rose crimson suffused with magenta. Pkt., 10c; oz., 30c.

Helen Lewis. Bright orange-salmon. Pkt., 10c; oz., 35c.

King Edward Spencer. A magnificent flower, bright crimson scarlet. Said to be the largest sweet pea grown. Pkt., 10c; oz., 30c.

King White. New, very large, the finest white variety. Pkt., 10c; oz., 35c.

Margaret Alee. Immense flowers, cream ground color overlaid with salmon pink. Pkt., 10c; oz., 35c.


Primrose Spencer. Primrose or creamy yellow. Pkt., 10c; oz., 30c.


Wedgewood. Light blue, extra fine. Pkt., 10c; oz., 35c.

White Spencer. Flowers of immense size, pure white. Pkt., 10c; oz., 35c.

Spencer Mixed. Pkt., 10c; oz., 25c; ½ lb., 75c.

SPECIAL OFFER. Six varieties Payne’s Spencer Sweet Peas in separate packets for 50c.

PAYNE’S LARGE FLOWERED SWEET PEAS

Back Knight. Deep maroon.

Bolton’s Pink. Brilliant pink with tint of salmon.

Dorothy Eckford. Pure white, large flowers.

Helen Pierce. Bright blue, mottled or marbled on white ground.


Janet Scott. Deep salmon-pink, very large.

King Edward VII. Bright crimson, the best of its color.

Lady Grisel Hamilton. Delicate silvery lavender.


Prima Donna. Pure pink.

Prince of Wales. Bright rose, very large.

Queen Alexandria. Bright crimson scarlet.

The above varieties, per pkt., 5c; doz. pkts., 50c; oz., 15c; ½ lb., 35c; lb., $1.25.

SPECIAL OFFER. Six varieties Payne’s Large Flowered Sweet Peas in separate packets for 25c.

PAYNE’S CHRISTMAS FLOWERING SWEET PEAS

The Christmas or forcing varieties of Sweet Peas are quite distinct from the other kinds, being an extra early race, flowering early in winter at a time when the other kinds will not bloom. By sowing them late in summer, they can be had in full bloom at Christmas time.

Christmas Pink. (Earliest of all.) Pink and white. Pkt., 10c; oz., 30c; ½ lb., 50c.


Florence Denzer. The best pure white. Pkt., 10c; oz., 20c; ½ lb., 50c.

Meteor. (Christmas Red.) Crimson. Pkt., 10c; oz., 25c; ½ lb., 75c.

Mrs. Alex. Wallace. The best lavender. Pkt., 10c; oz., 25c.


Mrs. Wm. Simmons. Salmon buff. Pkt., 10c; oz., 25c.


SPECIAL OFFER. Six varieties Payne’s Christmas Flowering Sweet Peas in separate packets for 50c.
California Wild Flower Seeds

I make a great specialty of California Wild Flower Seeds, and publish a special illustrated booklet on the subject, describing over 100 beautiful species, with notes on their culture and care. This booklet is the only catalogue of exclusively California Wild Flower Seeds ever published, and will be mailed on receipt of price, 15c.


Agrenone platycera hispida. "Prickly Poppy." Annual, 1 1/2 to 3 feet high. Flowers white with yellow center. Pkt., 5c.

Eschscholzia californica. "California Poppy." Annual, 1 to 1 1/2 feet. The most noted of California Wild Flowers. Orange-yellow, with a beautiful glossy sheen. Pkt., 5c; oz., 25c; lb., $2.50.

Eustoma silenfolium. Annual, 9 to 15 inches high. An erect growing plant belonging to the Gentian family. Flowers light blue or purple. Pkt., 15c.

Florzia douglassi. "Meadow Fum."


Gilia capitata. "Blue Gilia." Annual, 1 1/2 to 2 1/2 feet high. A slender, somewhat branched plant, with finely cut foliage and light blue flowers. Blooms later than the preceding. Pkt., 5c; oz., 30c; lb., $3.50.

Gilia dianthoides. "Fringed Gilia," or "Ground Pink." Annual, 2 to 6 inches high. An exquisite little plant with minute leaves and phlox-like flowers, rose colored or lilac with yellowish throat. Pkt., 10c.

Gilia tricolor. "Birds' Eyes." Annual, 9 to 12 inches. Flowers pale lilac, yellow toward the center, with five purple spots. Pkt., 5c; oz., 25c; lb., $3.00.

Godetia amoena. "Farewell to Spring." Annual, 1 1/2 to 2 feet high. A slender growing plant, usually found on shady banks. Flowers lilac-crimson or red-pink, often with a dark center. Pkt., 5c; oz., 50c; lb., $2.50.

Godetia bottae. "Farewell to Spring." Annual, 2 to 3 feet high. Flowers pale rose or lilac. Prefers a partially shady place. Pkt., 10c.

Godetia grandiflora. "Farewell to Spring." Annual, 1 1/2 to 2 feet high. Flowers large, delicate pink, marked with rich crimson. Pkt., 5c; oz., 60c; lb., $6.00.


Lupinis arboreus. "Yellow Tree Lupine." Shrubby perennial, 4 to 10 feet high. Flowers rich sulphur yellow. Pkt., 10c; oz., 30c.

Lupinis cyrtisoides. "Canyon Lupine." Perennial, 4 to 6 feet high. Flowers in long racemes, deep pink or rose purple and very showy. Pkt., 10c.

Lupinis nanus. "Dwarf Blue Lupine." Annual, 10 to 15 inches high. A very showy plant; flowers rich blue and white, fragrant. Pkt., 5c; oz., 35c; lb., $3.50.

Mentzelia inflexa. "Blazing Star." Annual, 2 to 3 feet. Showy yellow flowers. Pkt., 5c; oz., 50c; lb., $5.00.
Mimulus brevipes, "Yellow Monkey Flower." Annual, 1 to 1 ½ feet high. Flowers large, clear canary yellow. Pkt., 10c.

Nemophila insignis, "Baby-Blue-Eyes." Annual, 4 to 8 inches high. A charming little plant of spreading habit, with clear, azure blue flowers. Prefer shade or partial shade. Pkt., 5c; oz., 35c; lb., $2.50.

Nemophila maculata, "Spotted Nemophila." Annual, 4 to 8 inches high. White with large deep purple blotch on each petal. Does well in shady places. Pkt., 5c; oz., 35c; lb., $2.50.

Oenothera biennis hirsutissima, "Yellow Evening Primrose." Biennial, 3 to 6 feet. Flowers large, light yellow. Pkt., 10c.

Oenothera californica, "White Evening Primrose." Perennial, 1 to 2 feet high. Grows in dry, sandy places. Flowers 2 to 2½ inches across, of silken texture, white turning to rose-color. Pkt., 10c.

Penstemon antirrhinoides, "Yellow Penstemon." Perennial shrub, 3 to 4 feet high. Flowers large, bright yellow. Pkt., 10c.


Penstemon heterophyllus, "Violet Beard Tongue." Perennial, 1½ to 2 feet high. Flowers trumpet shaped, royal purple, marked with pink. Pkt., 10c.

Penstemon spectabilis, "Blue Penstemon." Perennial, 4 to 7 feet high. Flowers in long spikes, and the richest combination of blue and royal purple. Pkt., 10c.

Phacelia grandiflora, "Large Flowered Phacelia." Annual, 1 to 3 feet high. Large saucer-shaped flowers, lavender, beautifully veined with violet. Pkt., 10c.

Phacelia parryi, "Parry's Phacelia." Annual, 1 to ½ feet high. Flowers saucer-shaped deep violet, generally with five yellow spots. Pkt., 10c; oz., 50c.

Phacelia whitlawii, "Wild Canterbury Bell." Annual, 1 to ½ feet high. Large bell-shaped flowers hanging in open, airy clusters; color violet purple. Pkt., 5c; oz., 50c.

Platystemon californicus, "Cream Cups." Annual, 6 to 10 inches high. Cream colored flowers. Pkt., 5c.

Salvia carduacea, "Tickle Sage." Annual, 1 to 2 feet high. Pale lavender flowers. Pkt., 10c; oz., 50c; lb., $4.00.

Silene incinata, "Indian Pink." Perennial, 1 to 3 feet. Flowers bright scarlet. Pkt., 10c.

Sisyrinchium bellum, "Blue Exed Grass." Perennial, 8 to 15 inches high. Flowers bright blue with yellow centers. Pkt., 10c.

Viola pedunculata, "Yellow Violet." Perennial, 4 to 8 inches high. Flowers yellow, the two upper petals blotted with brown on the outside. Pkt., 15c.

For a full list of California Wild Flower Seeds, and also for more complete descriptions of the foregoing species, send for my SPECIAL ILLUSTRATED BOOKLET, CALIFORNIA WILD FLOWERS; THEIR CULTURE AND CARE. A treatise describing over a hundred beautiful species, with a few notes on their habits and characteristics. Price 35c, postpaid.

Special Souvenir Collection of California Wild Flower Seeds

This collection contains twelve choice species of California Wild Flower Seeds in separate packets, mostly annuals of easy culture, and includes the California Poppy, the Baby-Blue-Eyes, the Scarlet Larkspur, the Blue Lupine, the Blazing Star, the Wild Heliotrope and six others of my selection, mailed free to any part of the world for 50c.

California Wild Flower Seeds in Mixtures

I particularly recommend these mixtures for sowing on waste pieces of ground, parkings, vacant lots, etc. My No. 1 Mixture has an established reputation, as the many letters of praise I have received will prove. It contains twenty distinct species mixed in their right proportions and will produce a succession of blooms for a long period. Many odd corners and unsightly pieces of waste ground can be transformed into beauty spots by sowing some of these seeds broadcast in the fall about the time the rainy season commences.

In ordering it is only necessary to mention the number of the mixture desired.

Payne's Mixture, No. 1. General mixture of annual wild flower seeds. This mixture is made up of those kinds which will give a succession of flowers for a long period and will succeed under ordinary conditions. Pkt., 5c; oz., 30c; lb., $4.00.

Special prices quoted on large quantities.

Payne's Mixture, No. 2. Mixture of annual wild flower seeds for sowing in shady places. Pkt., 10c; oz., 5c; lb., $6.00.

Payne's Mixture, No. 3. Mixture of annual wild flower seeds in rose, yellow and cream shades. Pkt., 10c; oz., 45c; lb., $6.00.

Payne's Mixture, No. 4. Mixture of annual wild flower seeds in blue, purple and lavender shades. Pkt., 10c; oz., 5c; lb., $5.00.

California Native Plants

I make a specialty of growing native trees, shrubs and perennial plants, and issue price lists, from time to time, of the kinds I have large enough for sale. The latest list will be mailed free on application.

California Wild Gardens

I am prepared to give advice on the subject of making wild gardens, and also equipped for carrying out the work. Estimates furnished and correspondence invited.
TREE AND SHRUB SEEDS

Where not otherwise stated all trees and shrubs described in this list are evergreen. Where a height is mentioned it is understood that it is the ultimate height they attain. Space will not permit giving full instructions for sowing seed of each kind of tree but a few general remarks may not be out of place. Most tree seeds are better sown in the latter part of winter or spring, though there are many that can be sown at any time, and some which must be sown while the seeds are quite fresh. Most kinds are best sown in boxes, of light, well-drained soil, covering the seed about its own depth or some of the larger ones a little deeper, press the soil down slightly with the hands. Keep in a lath house, frame, or some sheltered place and water carefully. As soon as large enough to handle, pot and grow on until large enough to plant in the open ground, where they are to remain. Pines and other Conifer seeds are best sown in March and April; use a soil containing plenty of decomposed granite and always water in the morning and not at night, as the young seedlings "damp off" very easily.

Acacia seeds should be soaked in hot water for twelve hours or more before sowing.

Some seeds are good only for a short time and in these cases I have stated the time at which fresh seeds can be had.

ACACIA ARMATA. "Kangaroo Thorn." 10 feet. A spreading shrub, with small yellow flowers, excellent for groupings and also for hedges. Pkt., 15c; oz., 50c; lb., $5.00.

A. BAILEYANA. 30 feet. A strikingly beautiful tree with glaucous pinnate foliage and covered late in winter with canary-yellow flowers which completely envelop the tree. Pkt., 10c; oz., 40c; lb., $4.00.

A. DEALBATA. "Silver Wattle." 60 feet. A magnificent, rapid-growing tree with glaucous, finely cut foliage and covered late in winter with golden-yellow flowers. One of the best for street planting. Pkt., 10c; oz., 40c; lb., $4.00.

A. DECURRENS. "Green Wattle." 75 feet. A rapid-growing tree and one of the best for avenues. Finely cut, feathery, light green foliage and yellow flowers. This is the best variety. The wood is valuable for turners' work and the bark is rich in tannin. Pkt., 10c; oz., 40c; lb., $4.00.

A. ELATA. (A. procera.) 60 feet. A very ornamental, rapid-growing tree, with large, handsome, pinnate foliage, and bearing quantities of pale yellow flowers. Pkt., 15c; oz., 50c; lb., $5.00.

A. FLORIBUNDA. (A. nerifolia.) 30 feet. A very quick growing species of pendulous habit, long narrow leaves; flowers light yellow. Pkt., 15c; oz., 50c; lb., $5.00.

A. JULIBRISSIN. (Albizia julibrissin.) 40 feet. A beautiful deciduous tree of widely spreading habit, with finely divided, feathery foliage. Flowers pink, produced in large clusters, very showy. Pkt., 10c; oz., 50c.


A. LATIFOLIA. See A. longifolia.

A. LINIFOLIA. "Flax-leaved." 12 feet. A tall-growing shrub, with long, narrow leaves; yellow flowers in axillary racemes; very pretty for planting in groups. Pkt., 15c; oz., 60c; lb., $6.00.

A. LONGIFOLIA. "Sydney Golden Wattle." 30 feet. Generally known in California, though wrongly, under the name of A. latifolia. Of rather slender habit. If properly trimmed it makes a fine street tree; also does well near the ocean; leaves long, lanceolate, glossy green. Very free flowering. Catkins of light yellow flowers at the axil of every leaf. Pkt., 15c; oz., 50c; lb., $6.00.

A. LOPHANTHA. (Albizia lophantha.) 30 feet. Of rapid growth and useful for temporary shelter; valuable for planting on sand dunes along the sea coast. Pkt., 10c; oz., 15c; lb., $1.50.

A. MELANOXYLON. "Blackwood." 75 feet. Of compact, pyramidal growth. The favorite tree for street planting in Los Angeles. The wood takes a beautiful polish and is considered almost equal to walnut. It is used in Australia for pianos, billiard tables, etc. Pkt., 10c; oz., 30c; lb., $4.00.

A. MOLLISISSIMA. "Black Wattle," 50 feet. A rapid growing tree of erect and upright growth, with dark green, feathery foliage; flowers yellow; blooms in late spring. Pkt., 10c; oz., 40c; lb., $4.00.

A. OBLIQUA. 8 feet. One of the most beautiful shrubs ever grown. Of rather drooping habit, leaves small, dark green; flowers in long sprays, deep, golden-yellow; very useful for cutting. Lasting a long time in water. Pkt., 25c; oz., $2.00.

A. PODALYRIAEOFOLIA. A very rare and beautiful shrub, somewhat similar to A. cultriformis, but with larger leaves and larger flowers, which are produced in immense quantities early in winter and for this reason it is especially recommended for cutting. Flowers rich canary-yellow. Pkt., 25c; oz., $2.00.
A. **Prunus.** 25 feet. A very beautiful tree with large, handsome, finely-cut foliage, which is of a rich light green. The young foliage and shoots being of a soft rose color; flowers pale yellow. Pkt., 15c; oz., 75c; lb., $7.50.

A. **Pyxanthia.** "Golden Wattie." 30 feet. Of quick growth; leaves long and very broad; flowers in pendulous clusters, bright golden yellow and fragrant. Pkt., 10c; oz., 30c; lb., $3.00.

A. **Saligna.** 25 feet. Of drooping habit; leaves long, flowers rich yellow. Pkt., 10c; oz., 40c; lb., $4.00.

ARBUSCLES MUNZIESI. "Madrona." 75 feet. A native tree found in the coast range. The foliage is thick, bright green and leathery; bark smooth, brownish-red; flowers, rose-pink. Pkt., 10c; oz., 30c; lb., $3.00.

A. **UNEDO.** "Strawberry Tree." South of Europe. 10 feet. Beautiful dark green foliage. In the fall the trees are covered with both brillant red and fruit; the latter in appearance like strawberries. Pkt., 10c; oz., 50c; lb., $2.50.

A. **Arizona.** See Fraxinus.

**Bauhinia purpurea.** 10 feet. A valuable shrub with dark-green, curiously bilobed leaves, and large, showy flowers, which are reddish-purple and white. Pkt., 15c.

**Berberis aquifolium.** "Oregon Grape." 4 feet. A handsome shrub, with shining, purplish, prickly leaves and bright yellow flowers, followed by blue or nearly black berries. Pkt., 10c; oz., 40c.

B. **Darwinii.** 3 feet. A beautiful shrub with many slender branches, drooping towards the ends. The foliage is dark green and prickly, somewhat like holly, and often turns a bright red in fall, which color it holds through the winter. In early spring the plants are covered with a profusion of golden yellow flowers. Pkt., 25c.

B. **Japonicum.** 3 feet. Leaves about one foot long, bright yellow flowers, produced in terminal clusters. In hot, dry climates it should be planted in a shady situation. Pkt., 10c; oz., 40c.

**Boronia megastigma.** A small shrub from Australia, much prized on account of its copper-colored, strongly violet-scented flowers. Pkt., 25c.

**Broom.** See Spartium.

**Callistemon rigidus.** "Bottle Brush." A beautiful shrub, with large red, brush-like flowers. Especially valuable for dry places. Pkt., 15c; oz., $1.50.

**Callitris robusta.** "Cypress Pine." In Australia it grows to a fair-sized tree, sometimes exceeding 50 feet in height, but the specimens in Southern California have only attained the size of large shrubs. The branches are short, crowded and erect, giving the foliage a dense appearance in tufts. It is very ornamental for planting in gardens, having a particularly bright, clean appearance. Pkt., 15c; oz., $1.00.

**Campophora officinalis.** "Camphor Tree." China and Japan. 40 feet. A very ornamental, symmetrical growing tree, with bright green, glossy foliage, the young foliage being of a pleasing delicate rose color. Well adapted for lawns or for street planting. The tree from which the camphor of commerce is extracted. Fresh seed from January to April. Pkt., 10c; oz., 50c; lb., $2.50.

**Carpenteria californica.** A rare native shrub, with handsome, glossy foliage, and bearing large, fragrant, pure white flowers with yellow stamens. Pkt., 25c.

**Cassia artemisioides.** Central America. A pretty shrub, with finely cut silvery-gray foliage and clear yellow, sweet-scented flowers; will stand any amount of drought. Pkt., 15c; oz., $1.00.

C. **Floribunda grandiflora.** 10 feet. Free blooming shrub, of rather loose, spreading habit. Leaves and stems smooth, deep green; flowers large, bright yellow with brown anthers. Pkt., 15c; oz., 50c.

C. **Tomentosa.** Mexico. A quick growing shrub, with bright yellow flowers, blooming all through the winter. Very effective for planting in groups. Pkt., 10c; oz., 40c; lb., $4.00.

**Casuarina equisetifolia.** "Reefwood." Southeast Australia. 50 feet. A striking tree of rapid growth, with drooping branches, dark green, needle-like leaves. Pkt., 15c; oz., $1.00.

C. **Quadralvus.** "Coast She Oak." Southeast Australia. 80 feet. Valuable white and figure of the sea-coast for holding the sand. Pkt., 15c; oz., $1.00.

C. **Stricta.** "She Oak." Attaining a height of about 75 feet. It forms a very handsome tree, is particularly valuable for plantations and roadsides. It produces a very tough wood, suitable for tool handles. Pkt., 15c; oz., 75c.

**Catalpa speciosa.** "Hardy Catalpa." 50 feet. A well known deciduous tree of rapid growth, much used for planting on timber claims. Flowers white, in large panicles. Pkt., 25c.

**Ceanothus Divaricatus.** "California Lilac." A beautiful native shrub, with glaucous leaves and large clusters of pale blue flowers; blooms in spring. Soak the seed in hot water a few hours before sowing. Pkt., 15c; oz., $1.00.

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*Acacia mollissima*
CEDRUS ATLANTICA. "Mt. Atlas Cedar." 100 feet. A splendid tree of upright, pyramidal growth with silvery green foliage. Pkt. 15c, oz. 50c, lb. $5.00.

C. DEODORA. "Himalayan Cedar," 120 feet. One of the most handsome trees in cultivation, succeeding most remarkably well in California. Drooping branches and silvery green foliage. Pkt. 15c, oz. 50c, lb. $5.00.

C. LIBANI. "Cedar of Lebanon." Of spreading habit, this tree grows to 100 feet. A thick-growing tree with branches growing horizontally; of darker green than the preceding. Pkt. 15c, oz. 50c, lb. $5.00.

CERATONIA ILICIFOLIA. "St. John's Bread," or "Carob Tree," 40 feet. A high-growing tree with branches growing horizontally; of dark green foliage; will grow in any soil and thrives with scarcely any water. Pkt. 10c, oz. 15c, lb. $1.50.

CRYPTOMERIA SEMPERVIRENS. "Lawson's Cypress." California and Oregon. 200 feet. One of the most striking and graceful of all evergreen trees, with horizontally spreading pendulous branches and flat, compressed foliage; unsurpassed for specimens on lawns. Pkt. 15c, oz. 50c, lb. $5.00.

C. LAWSONIANA ARGENTEAA. A variety of the above with silvery foliage. Pkt. 15c, oz. 75c.

C. LAWSONIANA AUREA. A form of the Lawson Cypress having yellowish foliage. Pkt. 15c, oz. 75c.

C. LAWSONIANA GLAUCA. "Blue Lawson Cypress." Very glaucous, almost white foliage. Pkt. 15c, oz. 75c.

C. LAWSONIANA PYRAMIDALIS. A pyramidal growing form of the Lawson Cypress. Pkt. 15c, oz. 75c.

CHORIZEMA ILICIFOLIUM. A spreading shrub or half-climber from Arizona. The leaves are long, with wavy margins and spine-like teeth, somewhat like holly. The flowers are small, pea-shaped; red, purple and rose in color. Blooms in winter and early spring when the plants are simply a mass of brilliant colors. Pkt. 25c.

CINNAMOMUM PEDUNCULATUM. "Cinnamon Tree." The cinnamon tree of commerce. A splendid tree for lawns or streets, with bright green, glossy foliage. Fresh seed from January to April. Pkt. 10c, oz. 50c, lb. $5.00.

COPROSMA BAUERI. A very handsome low-growing shrub. The leaves are almost round, of a clean, glossy green color and have the appearance of having been varnished. It is especially valuable for planting in small beds, around a porch or against a wall. Pkt. 15c, oz. 75c.

CORNUS CAPITATA. (Benthamia fragifera.) "Evergreen Dogwood." 15 feet. Large shrub with flowers resembling those of the Eastern Dogwood, cream-colored, changing to red before foliage. This shrub is better suited to California conditions than the eastern species and has the advantage of bearing fruit. Pkt. 15c, oz. 50c, lb. $5.00.

CRATAEGUS PYRACANTHA. "Evergreen Thorn," or "Burning Bush." 10 feet. A thorny, thick-growing, evergreen shrub, with small dark green leaves and white flowers followed by masses of deep orange-red berries which are particularly attractive, remaining on the plant all winter. Pkt. 10c, oz. 50c, lb. $3.00.

CRYPTOMERIA JAPONICA. "Japanese Cedar." 120 feet. The largest tree of Japan, attaining 35 feet in circumference and yielding a valuable timber. Very effective for planting in large gardens. Pkt. 10c, oz. 50c, lb. $3.00.

C. ELEGANS. "Fine-leaved Japan Cedar." Very ornamental, fine feathery foliage, which in winter turns to a rich brown. A splendid tree for planting on lawns. Pkt. 15c, oz. 50c.

CUPRESSUS ARIZONICA. "Arizona Blue Cypress." 70 feet. A tree of great scenic value, and without doubt the most striking of all the Cupressus. It grows quite rapidly, and forms a perfect tree, thriving in almost any soil, standing intense heat, and much frost. The accompanying cut is reproduced from a photograph of a tree in its native habitat in Arizona, with a stock of seed was collected. Pkt. 15c, oz. 50c, lb. $3.00.

C. BENTHAMIANA KNIGHTIANA. "Knight's Cypress." 70 feet. A remarkably handsome tree with drooping, feathery branchlets and glaucous foliage. Pkt. 15c, oz. 50c.

C. FUNEIRIS. "Weeping or Funeral Cypress." 60 feet. A tree with wide spreading, pendulous branches, rich, green, graceful foliage. Pkt. 15c, oz. 50c, lb. $5.00.

C. GOYENIANA. "Goyens Dwarf Cypress." A native species of erect growth, forming a handsome group; rich, dark green foliage. Pkt. 10c, oz. 40c, lb. $4.00.

C. MACROCARPA. "Monterey Cypress." 70 feet. A native tree, extensively planted for hedges and equally valuable for single specimens. The tree becomes very picturesque in old age. Pkt. 10c, oz. 15c, lb. $1.50.

C. SEMPERVIRENS VAR. FASTIGIATA. "Italian Cypress." 75 feet. A tall, tapering tree with erect branches, growing close and parallel with the trunk. Largely used in formal gardens. Pkt. 10c, oz. 30c, lb. $3.00.

Cupressus arizonica

CYDONIA JAPONICUM. "Flowering Quince," China and Japan. A beautiful deciduous shrub, bearing a great profusion of bright, crimson-scarlet flowers, early in the spring. Pkt. 15c, oz. $1.00.

CYPHOMANDRA BETACEA. (Solanum betaceum.) "Tree Tomato." Grows to a height of about 8 feet, with large, handsome foliage. It produces quantities of the egg-shaped fruits, which are of a bright orange color, and are sometimes used for preserves. Pkt. 15c.

CYTISUS LABURNUM. "Golden Chain." A beautiful deciduous tree, with pretty foliage and long, pendulous, showy, pea-shaped flowers, of a rich yellow, appears in great profusion early in spring. Pkt. 10c, oz. 40c.

CYTISUS PROLIFERUS. "Tagasaste." A shrub growing to a height of about 12 feet. It produces large quantities of white, pea-shaped flowers. Pkt. 10c, oz. 50c.

DENDROMECON RIGIDUM. "Tree Poppy." A native perennial shrub, 4 to 8 feet. Graceful, willow-like foliage and bright-yellow flowers, 3 inches or more in diameter; blooms nearly all the year. Seed is hard to germinate. Pkt. 15c.

EUCALYPTUS CHISTA GALLI. "Coral Tree." Brazil. 30 feet. A beautiful deciduous tree, with large, deep green foliage and immense brilliant-red, pea-shaped flowers. Pkt. 15c, oz. 75c.

FICUS AUSTRALIS. "Australian Banyan Tree." 100 feet. A handsome tree with large, glossy foliage. Suitable for planting on large lawns, etc. Pkt. 15c, oz. $1.00.

F. MACROPHYLLA. "Moreton Bay Fig." 100 feet. A magnificent tree, forming a large, compact, spreading tree; very effective for planting in large grounds. Leaves a bright, glossy green, more than twice the size of the preceding species. Pkt. 15c, oz. $1.00.

FRAXINUS VELUTINA. "Arizona Ash." A deciduous tree, largely planted in Arizona and New Mexico for shade purposes, and is of great value, being of quick growth, and standing both heat and drought remarkably well. Pkt. 10c, oz. 35c.
FREMONTIA CALIFORNICA. "California Slippery Elm." A beautiful native shrub, growing from 5 to 20 feet high. It reaches its greatest perfection on the desert side of our mountains. The flowers are large, golden-yellow, two to three inches across. The seed is hard to germinate. Pkt. 15c, oz. $1.00.

GENISTA ANDREANA. A free flowering shrub. Flowers bright yellow, marked with crimson. Pkt. 15c, oz. $1.00.

G. CANARIENSIS. A pretty shrub, very effective for planting in groups, being covered in spring with bright yellow flowers. Pkt. 15c, oz. 75c.

G. MONOSPERMA PENDULA. "Bridal Veil." 10 feet. A rare and handsome shrub with fine, drooping, silver branchlets. The flowers are white and produced in immense numbers. Pkt. 25c.

G. TINCTORIA. A small, low growing shrub with bright yellow flowers. Pkt. 10c, oz. 50c.

GREVILLEA ROBUSTA. "Silky Oak." 150 feet. A large tree with pretty fern-like foliage, covered late in spring with orange-colored flowers which are a great source of honey for bees; does well in all parts of California and is one of the most stately trees for avenue planting; thriving with scarcely any water. Pkt. 15c oz. 50c, lb. $5.00.

G. HILLIANA. A handsome tree with leaves often 10 to 12 inches long, deeply divided at the end into two or three diverging lobes. Valuable for planting as single specimens. Pkt. 25c.

GUAVA. See Psidium.

HAKEA ELLIPTICA. A shrub of rather compact habit, growing to a height of 8 or 10 feet. The older leaves are glabrous, while the young shoots and leaves have a bronze or rusty appearance. Very ornamental for lawn or shrubbery planting. Pkt. 25c.

H. LAURINA. (H. eucalyptoides.) 10 feet. A winter blooming shrub, with foliage similar to the Blackwood Acacia, bearing curious, globose heads of red flowers with white stigmas. Pkt. 25c.

H. PUGIONIFORMIS. Much branched shrub of spreading habit, having short, needle-like leaves and large numbers of white flowers. From a short distance it has the appearance of a dwarf pine. It is of rapid growth and especially valuable for dry soils. This is the true H. pugioniformis and must not be confused with H. pectinata, a very different plant, but which has been known by many nurserymen under the former name. Pkt. 25c.

H. SALIGNA. Of similar habit to H. laurina, but has narrower leaves and white flowers. Pkt. 25c.

HETEROMELES ARbutifolia. "California Holly" or "Christmas Berry." 18 feet. A native California shrub; found plentifully in all our foothills. Very desirable on account of its handsome foliage and also for its bright colored berries. Pkt. 10c, oz. 25c, lb. $2.50.

JACARANDA MIMOSAFLFOLIA. (J. ovalifolia.) Brazil. 30 feet. One of the finest of our flowering trees, literally covered in early summer with large blue bignonia-like flowers. The foliage is finely cut like a fern and very pretty. In pods containing from 30 to 40 seeds. Pod 5c, doz. pods 50c.

JUNIPUS CALIFORNICA. "California Juniper." A native shrub or small tree of spreading habit, found in dry washes. The foliage is of a beautiful, deep rich green. Pkt. 10c, oz. 40c, lb. $4.00.

J. BERMEDIANA. "Bermuda Juniper," 40 feet. A beautiful tree of densely branched pyramidal form; foliage of a pale bluish-green color. Pkt. 10c, oz. 40c.

Ficus macrophylla

J. SABINA VAR PROSTRATA. "Dwarf Trailing Juniper." A dwarf trailing variety, with handsome glaucous foliage. Very valuable for rock gardens, etc. Pkt. 15c, oz. 50c.

J. VIRGINIANA. "Red Cedar," U. S. 100 feet. A well known tree with green or bronze green foliage. Pkt. 10c, oz. 25c, lb. $2.50.

LAGUNARIA PATERSONI. 20 feet. A small pyramidal tree with ovate leaves, whitish underneath; flowers something like Hibiscus, pale rose color. Pkt. 15c, oz. 75c.

LAURESTINUS. See Viburnum.

LAVATERA ASSURGENTIFLORA. Native of San Clemente Island. It forms a spreading shrub and is especially valuable for planting on sand dunes and banks to hold the soil, also used for planting in chicken yards for temporary shade. Flowers deep lake red. Pkt. 10c, oz. 35c.

LEPTOSPERMUM LAEVIGATUM. This beautiful shrub does particularly well in California, and is very valuable for planting in masses and for filling up odd corners. It grows rapidly and in the spring is laden with a profusion of white blossoms. Pkt. 25c.

LEUCADENDRON ARGENTUEM. "Silver Tree." Cape of Good Hope. 20 feet. "A rare tree, some fine specimens of which are to be seen In Santa Barbara. It has lanceolate, silvery leaves, densely covered with silky hairs. Great care must be taken to have good drainage in the seed pans or boxes as the young seedlings "damp" off very easily. 10 seeds 25c, 100 seeds $2.00.
LIBOCEDRUS DCECRUS. "Incense Cedar." 100 feet. An evergreen tree, thriving well under cultivation. It forms a very handsome, compact growing tree, with cinnamon red bark and bright green, 11⁄3-feet, glaucous underneath. Pkt. 10c, oz. 40c, lb. $4.00.

LIGUSTRUM NAPALENESE. "Small-leaved Privet." 10 feet. Much used for hedges in Southern California. It is a low, mound-like shrub and can be trimmed to any way desired, making a dense, thick hedge. Leaves small, light green, flowers white, in large sprays. Pkt. 10c, oz. 25c, lb. $2.50.

LIGUSTRUM JAPONICUM, "Japanese Privet." 20 feet. A shrub or small tree, with glossy, dark green, leathery leaves; often used for hedges and stands trimming well. Pkt. 10c, oz. 15c, lb. $1.50.

MAGNOLIA GRANDIFLORA. 60 feet. One of the finest American broad-leaved trees; the leaves are thick, bright green and rusty on the under side; flowers large, white and fragrant. Fresh seeds from November to January. Pkt. 10c, oz. 30c, lb. $3.00.

MELALEUCA ERICIFOLIA. "Bottle Brush." A large shrub with small, narrow leaves and spikes of yellow-white, brush-like flowers. Pkt. 15c.

M. HYPERICIFOLIA. "Bottle Brush." A tall shrub with pretty, bright green, opposite leaves, and producing large spikes of rich red flowers. Pkt. 15c.

MELIA AZEDARACH UMBRALCIFOLIS. "Texas Umbrella Tree." A well known deciduous tree. The branches are erect and in a manner radiating from the trunk and with drooping foliage, give it the appearance of a gigantic umbrella. It is a handsome shade tree and will stand a great amount of heat. Oz. 10c, lb. $1.00.

METROSIDEROS TOMENTOSA. A beautiful tree from New Zealand. Leaves thick and leathery, green on the upper side but whitish beneath. The flowers appear in rounded terminal clusters, and are rendered particularly showy by their profusion of long crimson stamens. It forms a particularly handsome shrub at any time, but when in flower will attract attention from quite a distance. Pkt. 25c.

PARKINSONIA ACULEATA. Shrub or small tree. 15 to 25 feet. It has thorny, drooping branches, with long, feathery foliage, and showy yellow flowers. Pkt. 15c, oz. 50c.

PEPPER TREE. See Schinus.

PICEA EXCELSA. "Norway Spruce." 150 feet. A magnificent tree; the branches assume a very graceful drooping habit when the tree is 20 feet high. Pkt. 10c, oz. 50c, lb. $2.50.

PINUS AUSTRICCA. "Austrian or Black Pine." 100 feet. A spreading tree; leaves in pairs about 4 inches long, rigid, very dark green. Pkt. 10c, oz. 30c, lb. $2.00.

P. CANARIENSIS. "Blue Pine." 80 feet. A beautiful tree with long pendant needles of a glaucous blue color. It is of rapid growth, stands drought well and is one of the best pines for Southern California. It has the peculiarity of sprouting from the stump when cut down or even burnt off, which is a valuable feature in the reforestation of our mountains. Pkt. 15c, oz. 50c, lb. $5.00.

P. COULTERI. "Big Cone Pine." 80 feet. A native species from the San Bernardino and San Jacinto Mountains at an elevation of 4500 to 7000 feet, but, unlike most of our native pines from high altitudes, it succeeds well under cultivation in the valley. It has rough bark, the needles are in clusters of three, stiff and erect and of a dark blue green color. Pkt. 10c, oz. 40c, lb. $4.00.

P. HALPEPSIS. "Aleppo Pine." Western Asia. 60 feet. A tree of rapid growth and spreading habit, with light yellowish-green foliage. It thrives well in California, and is a valuable ornamental tree. Pkt. 10c, oz. 50c, lb. $5.00.

P. INSIGNIS. (P. radiata.) "Monterey Pine." 100 feet. A well known native species of rapid growth, succeeding best near the coast. Pkt. 10c, oz. 35c, lb. $2.50.

P. MARITIMA. (P. pinaster.) "Seaside Pine." Southern Europe. 60 feet. A beautiful tree with deep furrowed bark, needles a bright glossy green, 6 to 9 inches in length; valuable for planting along the coast. Pkt. 10c, oz. 20c, lb. $2.00.

P. MURICATA. "Bishop Pine." A native California species, found growing on swampy flats and low hills from San Luis Obispo northward, always near the coast. It forms a tree 40 to 80 feet high, with rounded or flat top, and is valuable for wind breaks or for ornamental purposes. The seed cones are produced in clusters around the main trunk from near the ground to its summit, and also on the main branches. These cones are persistent for an indefinite time, often 15 to 25 years, and give the tree a most unique appearance. Pkt. 15c, oz. 60c, lb. $6.00.

P. PARRVANA. (P. quadrifoliola.) "Parry's Nut Pine." A small tree from 15 to 30 feet high, with rounded top and short needles from 1 to 1 1⁄2 inches long of a glaucous color. Found in the dry mountains of Lower California, and extending northward over the border into San Diego County. Pkt. 10c, oz. 40c, lb. $4.00.

P. PINSEA. "Italian Stone Pine." 60 feet. A very picturesque tree; branches spreading and usually confined to the top of the tree. Pkt. 10c, oz. 30c, lb. $3.00.

P. SABINIANA. "Sabin's Nut Pine." A native tree found in Antelope Valley and from there northward; needles light green or glaucous, three in a cluster and drooping. It succeeds well under cultivation and forms a handsome tree. Pkt. 10c, oz. 30c, lb. $3.00.
P. RHOMBIFOLIUM. A beautiful tree and highly recommended for street planting. It is of compact growth and the foliage is of a bright, rich green. It bears innumerable heads of white, fragrant flowers, followed by orange-colored berries in the fall of the year. Pkt. 25c.

P. UNDULATUM. A shrub or small tree, with large leaves, deep green, glossy and showing red leaves and berry-like flowers. A splendid street tree. Fresh seeds from January to April. Pkt. 10c, oz. 15c, lb. $1.50.

P. ILICIFOLIA. California Cherry. A beautiful native shrub found in winter. It has a holly-like foliage and small white flowers: very fine for single specimens and also makes a splendid hedge. Fresh seed from November to April. Oz. 15c, lb. $1.50.

P. INTEGRIFOLIA. Catalina Cherry. From Catalina Island. A tree of great beauty, leaves large, oval, rich, glossy green; very pretty as single specimens or as a street tree. Fresh seed from November to March. Pkt. 10c, oz. 15c, lb. $1.50.

PSIDIUM CATTLEYANUM. "Strawberry Guava." A small shrub grown for the fruit, which is round, deep red, and of strawberry flavor. Much used for jellies and preserves, also for eating fresh. Pkt. 10c, oz. 40c, lb. $4.00.

P. GUAJAVA. "Lemon Guava." Fruit yellow, pear-shaped; valuable for jellies and preserves. Pkt. 15c, oz. $1.00.

RAPHIOLEPS JAPONICA. (R. ovata.) Japan. 12 feet. A beautiful compact shrub of rather slow growth. The leaves are oval, thick and leathery, and of a dark, rich green. In spring the plants are covered with white, fragrant flowers. Pkt. 10c, oz. 30c, lb. $3.00.

ROBINIA PSEUDACACIA. "Yellow or Black Locust." 60 feet. A handsome tree of rapid growth, largely used for planting on timber claims. Handsome pinate foliage; flowers pea-shaped, white, fragrant, In April. Oz. 15c, lb. $1.00.

RHEUS LAURIN. "Sumach." A native shrub, of compact form with smooth green foliage and small white flowers. Pkt. 10c, oz. 40c.

R. OVATA. Has large, rich, bright green, leathery foliage and forms a compact growing shrub of great beauty. This and the preceding are particularly valuable for planting where there is a scarcity of water. Pkt. 10c, oz. 40c.

SCHINUS MOLLE. "Pepper Tree." Peru. 50 feet. One of the most gracefully of all our cultivated trees; with its long branches of finely cut, delicate green leaves and coral red berries, it is the admiration of every visitor in the State. Oz. 15c, lb. $1.00.

S. TEREDINIFOLIUS. "Brazilian Pepper." 40 feet. Of upright spreading growth, leaflets larger than in the preceding. Large, erect clusters of coral red berries appear April, 10c, oz. 35c.

SCIADOPITYS VERTICILLATA. "Umbrella Pine." Japan. 100 feet. A remarkably handsome tree of slow growth, doing well in California near the coast; well suited for planting on lawns. Branches in regular whorls, covered with deep green, narrow leaves 5 inches long. Pkt. 15c, oz. 15c, lb. $7.50.

SEQUOIA GIGANTEA. "California Big Tree." 200 feet. A magnificent tree of perfect pyramidal form. Foliage bluish green. Pkt. 15c, oz. 96c, lb. $9.00.

S. SEMPERVIRENS. "California Redwood." 300 feet. Of rapid growth, a splendid ornamental tree, succeeding well in all parts of the state. Leaves dark green, paler underneath. Pkt. 15c, oz. 56c, lb. $5.00.

SPARTUM JUNCUM. "Spanish Broom." 10 feet. A picturesque shrub for hedges. Large, yellow, pea-shaped flowers in great profusion on round leafless branches. Pkt. 10c, oz. 48c.

S. TETRACARPA. "Scotch Broom." 6 feet. A rather sturdier shrub than the preceding; bright green stems and yellow pea-shaped flowers. Pkt. 10c, oz. 35c.

S. SCOPARUM. "Scotch Broom." 6 feet. A rather sturdier shrub than the preceding; bright green stems and yellow pea-shaped flowers. Pkt. 10c, oz. 35c.

STERCULIA ACERIFOLIA. (Brachychiton acerifolius.) 50 feet. A beautiful shrub, having large, white, pea-shaped flowers, followed by deep orange-colored berries. Makes a splendid hedge, with deep-lobed, maple-like leaves; produces scarlet flowers in clusters which stand well up above the foliage. Pkt. 10c, oz. 30c, lb. $3.00.

S. DIVERSIFOLIA. "Victorian Bottle Tree." 60 feet. Of compact pyramidal growth; leaves bright, glossy green and of many different shapes. Thrives with a small amount of water and has been largely planted as a street tree. Pkt. 10c, oz. 50c, lb. $5.00.

THUJA OCCIDENTALIS. "American Arborvitae." "White Cedar." 60 feet. A handsome tree for single specimens and also for hedges or screens. The foliage is bright green, lighter underneath and assumes brown or bronze tones in the winter. Pkt. 15c, oz. 50c, lb. $5.00.

T. ORIENTALIS. (Biota orientalis.) "Chinese Arborvitae." 25 feet. A small thick growing pyramidal tree. Bright green foliage turning bronze or brown in the winter. Desirable as single specimen trees or for hedges. Pkt. 10c, oz. 25c, lb. $2.00.

T. ORIENTALIS AUREA. "Golden Arborvitae." 10 feet. A form of the preceding; the foliage assumes a golden tint in spring; very regular and compact in growth. Pkt. 10c, oz. 25c, lb. $2.00.

T. ORIENTALIS COMPACTA. 8 feet. A dwarf, very compact form of the Chinese Arborvitae. Pkt. 10c, oz. 30c, lb. $2.00.

T. ORIENTALIS ELEGANTISSIMA. "Rollison's Golden Arborvitae." Foliage of a beautiful golden tint when young, changing to bronze in fall. Pkt. 15c, oz. 50c, lb. $5.00.

TORREYA CALIFORNICA. "California Nutmeg." 75 feet. A beautiful native tree, somewhat resembling the English Yew in appearance. Forms large, compact head; leaves to 2 inches long, dark, shining green. Pkt. 10c, oz. 20c, lb. $2.00.

TRISTANIA CONFERTA. "Brisbane Box." A particularly beautiful tree, with large, handsome foliage and white flowers. It forms a dense compact head and is very ornamental for single specimen trees, and also for street planting. Pkt. 25c.

ULEX EUROPAEUS. "Gorse" or "Furze." 4 feet. A low growing, prickly shrub, with yellow, pea-shaped flowers. Pretty for grouping; also makes a good hedge. Pkt. 10c, oz. 40c.

UMBELLULARIA CALIFORNICA. (Oreopadhe phyllica.) "California Laurel" or "Bay," 80 feet. Found growing near streams in many of our canyons, where it forms a large shrub or small tree. Farther north, however, it reaches a height of 80 feet or more. Under cultivation it grows rapidly and forms a well-shaped, compact tree suitable for lawns or for avenues. Handsome, shining dark green foliage. Oz. 15c, lb. $1.50.

UMBRELLA TREE. See Melia.
Eucalyptus Seeds
HEADQUARTERS FOR EUCALYPTUS SEEDS

I am headquarters for eucalyptus seeds, having the most extensive trade in this line of any firm in the United States, and supplying the largest planters here as well as exporting to many foreign countries. To this department of my business I have devoted much study and personal attention. My seeds are carefully collected by my own men, under my personal supervision, from selected specimen trees, and are both true to name and of the very best stock obtainable. So extensive has become my trade in this line that a trifle under 1800 pounds was the total amount of seed thus collected in one season. For a few species of which the seed cannot yet be obtained in California I am in direct communication with the most reliable authorities in Australia who collect the seeds for me in their native habitats.

![Photo of men gathering eucalyptus seeds]

**EUCALYPTUS TIMBER CULTURE**

**REQUIREMENTS.** The requirements for propagating the seedlings are:
- A lath house or lath or cloth covered frames to shade the seed beds during the day. When growing on a large scale it will pay in every case to build a lath house. Shallow boxes or flats; a good light soil and water convenient for sprinkling.

**FLATS OR BOXES.** These should be 3 inches deep and any size desired, though the size most convenient and generally used is about 20 inches square and will hold 100 plants. Some are using 16 inches square, the latter being mostly made of shakes sawed in half, using inch pieces for ends and split shakes for the sides. This makes a box 16x16x3 inches inside measurement and does very well.

**SOIL.** This should be a good light, sandy loam passed through a screen so as to take out any lumps or stones. If good leaf mould is procurable a small quantity of this may be mixed with the soil, as it helps to retain the moisture.

**SEED.** Procure the best seed possible from the most reliable source; it does not pay to use cheap seed, for by getting seed not true to name the loss cannot be calculated.

**QUANTITY OF SEED.** The quantity of seed to produce a given number of trees varies according to the species; as a fair average, however, 1 lb. should produce 26,000 seedlings, though as high as 36,000 has been known.

**TIME OF SOWING.** This varies somewhat according to the locality and the species to be sown. The usual time, however, is in June, or early July, and seedlings from these sowings will be ready to set out in the field by the following February; later sowings are also made in August and early part of September, and these seedlings will be ready to plant out in April.

**SOWING THE SEED.** There are two methods of sowing the seed, viz.: In seed beds and seed boxes. For raising limited quantities the latter method is preferable. Fill the boxes carefully with the prepared soil, smooth off the surface and press down lightly with a board, tamping it slightly in the corners. On this smooth surface, sow the seed broadcast, using about ¼ oz. of seed to a box, then cover the seed with the same kind of soil. This should be sifted over the surface through a fine-meshed sieve and not be more than ¼ of an inch deep. The boxes should then be placed in the lath house or in some place where they can be covered with lath or cloth covered frames. The soil must be kept moist at all times, the watering should be done with a pot or a loose hose-nozzle so fine as to produce nothing but a spray.

As soon as the young seedlings show through the surface great care must be exercised in watering or the seedlings will "damp off." Always water in the morning and never at night. When raising the seedlings in commercial quantities, sowing in beds is often practiced. The soil for these should be prepared in the same way as already mentioned, the surface smoothed out evenly and the seed sown and covered as already mentioned. After this cover the beds with burlap stretched over a wooden frame work. This may be laid right on the ground and kept moist. As soon as the seedlings break through the crust of the ground this should be raised a little at first and gradually up until it is a foot above the ground. As the seedlings grow and get stronger this covering may be gradually removed so that they will harden to the full sun.
TRANSPUTING. When the seedlings are 2 to 3 inches high or rooted and are to be transplanted, they must first be hardened off by exposing them to the sun; to transplant the same kind of boxes as those used for the box, in perfect boxes or boxes, using the same kind of soil as that in which the seed was sown though a trifle heavier or less fine. Fill the box down to the cutting line and smooth off the surface then mark the soil off by driving the box to the top. Set the box in the way and where lines cross, 100 to a box. This may be done by marking the edges of sides of box and using a small stump or piece of stick to drop inside corners or any other contrivance that will check off the soil in centers of 100 to each box. A method often used is to square the box to have about the same size of the inside of the box; in this are placed 100 plants. For right distance for the trees; the heads of the screws are left protruding about 1/4 of an inch from the board. The box can then be set on the surface of the soil and 3 inches or more away from the tree, then a whole tree is set in. Sprinkle a thin layer of sand over the surface of the soil; this helps to hold the soil and will keep the surface from holding. Before the young seedlings are taken from the box or bed they should have a thorough watering on the day before transplanting. When the plants are ready for sale they will be on a slightly smaller size of box, and boxes containing the larger size plants can be sold first and the smaller ones later in the season. As soon as the seedlings are transplanted they must be watered thoroughly and kept in complete shade for a few days until they thoroughly recuperate; after that they should be gradually hardened to the sun, and cared for until they are ready to set out in the field.

PLANTING OUT IN THE FIELD. The land should be planted as deeply as possible and well handled. The time to plant varies according to the climatic conditions. In localities where there is little or no frost, planting may take place winter the first got the benefit of the rains, but in sections where frost prevails, it should be deferred until spring. In areas where rains or water plants are set out in from 6 to 10 inches. The boxes may be taken to the field and left at convenient points. One side of the box should be taken off at each plant and each plant cut out with a square of earth and then planted with a tree and taking care to break the main root to the depth of the box. The plants should be set to one inch deeper than they were in the box. A quart or so of water should be given each tree and as it is set and afterwards hoes. This dry shall be kept down and on any account the more sun the trees to make a straight and grow young.

CARE OF THE YOUNG TREES. As the value of the pipe and the larger trees may have a good start, it will pay wherever practical to irritate and cultivate the trees for at least the first two seasons.

THINNING THE TREES. To produce good lumber it is necessary that the trees grow straight. Close planting induces a straight growth. It is therefore better to plant closely and at the end of the first season grub out all weak and inferior trees.

SELECTION OF THE BEST TREES. Eucalyptus trees are gross feeders and to be grown profitably require a deep, rich soil with a fair amount of moisture; if it is not provided, they will not make good, straight timber trees. When planted on poor or impoverished soil they make stunted, crooked trees, whereas, for other purposes, the best species to plant for profit depends largely upon the local conditions. The best species to grow are general timber purposes, taking all conditions and uses into consideration. E. tereticornis is considered the most profitable to plant. But in sections where E. globulus, "Blue Gum," thrives there will be quicker returns by planting this species than any other. For the hot interior sections E. tereticornis and E. rostrata are recognized as the leading commercial kinds, while E. viminalis might be grown very profitably under the same conditions. In localities not subject to frost E. corynocalyx may be planted. For those who have the right conditions and can afford to wait longer for returns E. resinifer will probably prove one of the most profitable on account of its very valuable wood, which is used for furniture and interior finishing and is important very largely by railway companies for the inside of cars under the trade name of Australian Mahogany.

SPECIES FOR FENCE POSTS. This is an important item on large ranches. By setting aside a small portion of land a great quantity of fence posts could be produced in a few years. The best species for this purpose are E. tereticornis, E. robusta, E. rostrata and E. corynocalyx.

SPECIES FOR WIND-BREAKS. This is also of great importance in many parts of the country where heavy winds prevail. Probably the best species for this purpose are E. globulus, E. botryoides, E. robusta, E. corynals, E. diversicolor and E. polyantha, and for irrigated sections on the desert E. rudis.

Eucalyptus seed vessels, spread out on canvas to dry. PHOTOGRAPH BY T. F. LUCAS

EUCALYPTUS AMYGDALINA. "Peppermint Gum." An exceedingly tall growing tree; in fact, to this species belongs probably the tallest tree in the world. Baron Von Mueller having recorded trees over 400 feet high with diameters of 18 to 35 feet. The tree is very variable in growth, however, the great heights mentioned being attained in moist ravines; under less favorable conditions it forms a much smaller tree, and in some cases is comparatively dwarf. The timber is useful for shingles, flooring, etc., but does not usually last well under ground. One of the most valuable for oil, producing more volatile oil than any other species yet tested. Recommended for planting in swampy places as a preventative for yellow fever, etc. Pkt. 15c., oz. 75c., lb. $7.50.

E. AMYGDALINA, VAR. ANGUSTIFOLIA. See E. linears.

E. AMPHIPOLIA. Much resembling E. tereticornis, but having large, almost round leaves in the young stage; generally known in California as the "Cooper" or "Round-leaf tereticornis." In correspondence I received from Professor H. M. Menden in reply to this, I was informed that the species was botanically under the above name, under which it was described by Loudon. Professor Menden states, however, that it is possible that this tree should, properly speaking, be treated as a variety of E. tereticornis since there will be found in the literature similar to that of E. tereticornis and its varieties in his "Critical Revision of the Genus Eucalyptus and Some Other Flora," etc. The wood is similar to that of E. tereticornis, and this tree has been planted extensively in California for commercial purposes. It forms a handsome tree, and is valuable for ornamental purposes. Pkt. 15c., oz. $1.00, lb. $19.00.
**E. BOSISTOANA.** "Bairnsdale Grey Box." A tree of medium size, most suited to the coast, but has not yet been thoroughly tested in California. Mr. J. Blackburn, Forest Inspector of Maryborough, Victoria, Australia, speaks of this tree as follows: "It produces a clean, sound wood, much esteemed for the construction of wharves, jetties and bridges. It grows to large dimensions. Trees are to be found in South Victoria containing 20,000 feet of timber and is very durable. It is recommended for railway sleepers and street paving blocks. This Eucalyptus grows naturally near the coast and is never found for inland." Pkt. 15c, oz. $1.00, lb. $9.00.

**E. BORCHELIA.** "Bastard Mahogany, or Bangalay." Grows to a fairly large size, reaching 75 to 150 feet, when fully grown. Of stately appearance with large, leathery green foliage; succeeds well near the coast and is of very rapid growth; one of the best for shade purposes and wind-breaks. The wood is very durable, adapted for wagon building, knees of boats, etc. Pkt. 15c, oz. 75c, lb. $7.50.

**E. CALOPHYLLA.** A medium sized tree, thriving in warm, moist situations near the coast, but not enduring much cold. It is one of the most ornamental of the genus, has very large, glossy leaves and large clusters of white flowers which are valuable for bees. The wood is useful for rafters, spokess, fence rails, handles of agricultural implements, etc.; one of the very best for planting as a street tree. Pkt. 15c, oz. $0.90.

**E. CAPITELATA.** "Mountain Stringy-bark." A large tree with rough, stringy bark, and is preferred near the coast. It is said to furnish a valuable lumber, but it is not so widely grown as an ornamental species. Pkt. 15c, oz. $1.90.

**E. CITRIDIORA.** "Lemon-scented Gum." A fast-growing species soon becoming tall and slender. In favorable situations it has attained a height of 90 to 100 feet in 10 or 15 years. It thrives best near the coast, but will not endure much frost and is not adapted to the warm, interior valleys. The wood is strong and durable, useful for fencing, implement handles, shipbuilding, paving, railway ties, bridge building, telegraph poles, also for inside work of houses, carriage buildings and railway cars. Pkt. 15c, oz. $1.50.

**E. CORYMBA.** "Yate Tree." A medium sized tree with rough bark, and is preferred for wheelwrights' work and internal finishing. Pkt. 15c, oz. $1.00.

**E. CORYNOCALYX.** "Sugar Gum." 120 feet. This tree succeeds in a very great variety of climates; thrives near the coast and does equally well in the interior and in the hot valleys of Arizona, but will not stand much frost. It is considered to be resistant of all and is one of the best for planting on dry hillsides. The wood is one of the strongest and is very durable. It furnishes also good railway sleepers and underground work. Pkt. 15c, oz. $1.00, lb. $9.00.

**E. CREBRA.** "Narrow-leaved Ironbark." 100 feet. It succeeds under a greater variety of situations, withstanding great extremes of heat and cold. The wood is hard, elastic and of a reddish color; very durable underground and good for railway ties, poles, piles, etc. Pkt. 15c, oz. $1.00.

**E. DICROCOCHEM.** "Karri Gum." One of the most magnificent of all trees, especially adapted for fencing, and grown in Australia nearly 400 feet high. It grows quickly and forms a straight trunk. Succeeds best in fairly moist situations and will thrive on alkali land. It is also one of the most handsome for avenue planting. The wood is very strong and used for all sorts of ship building, etc. Pkt. 15c, oz. $2.00.

**E. FICIFOLIA.** "Scarlet-flowering Gum." 30 feet. A very ornamental species with large, leathery leaves and immense clusters of large, bright crimson flowers. 25 seeds 25c, 100 seeds 5c.

**E. GLOBULARUS.** "Blue Gum." The best known species and one of the most important of the genus, also the largest growing of all, and the most extensively distributed. It is 200 to 300 feet. In California trees 30 years old have attained the height of 150 feet and a diameter of 3 to 4 feet. It succeeds best near the coast and on account of its rapid growth is probably the most profitable tree to plant. The wood is very durable, and quantities of it have been sawed at San Jose, Cal., for fence posts, railes and single trees of various flooring, insular pins and anything requiring strength. It takes a fine polish and is valuable for furniture and interior finishing. Pkt. 15c, oz. 50c, lb. $5.00.

**E. GOMPHIOCEPHALA.** "Tooa." A medium sized tree attaining a height of 120 feet. It succeeds well in California, near the coast, but has not been thoroughly tested in the interior. The wood is one of the strongest in the valley and is used for shipbuilding and bridges. Pkt. 15c, oz. $1.00, lb. $10.00.

**E. GONIOCALYX.** "New South Wales Blue Gum." A large tree, reaching a height in Australia in favored situations of 200 feet. It succeeds well in California in the coast regions. The timber is hard and tough, used for wheelwrights' work and shipbuilding. Pkt. 15c, oz. $1.90.

**E. GUNNII.** "Tasmanian Cedar Tree." This is one of the hardest of the genus. In its native habitats it grows in low lands where it forms a fair sized tree and sometimes reaches 180 feet. It also ascends the mountains to an elevation of 5000 feet, but here becomes a dwarf tree, and is extremely hardy, growing where there is snow for several months in the year. Should prove one of the best for planting in our mountains for covering. The wood is used for various artisans' work. Pkt. 15c, oz. $1.00, lb. $10.00.

**E. HEMIPHLOIA.** "Common Box." 100 to 150 feet. It thrives in California near the coast also in the hot interior valleys, standing extremes of heat and cold. One of the best for shade purposes. The timber is strong, close grained and used for wheelwrights' work, pilings, railway ties, posts, etc. Pkt. 15c, oz. 75c, lb. $7.50.

**E. LEUCOXYLON.** "Victorian Ironbark." 100 feet. The trees are not to grow crooked, but by giving them some attention when young they may be made to grow straight. This species will grow in a greater variety of climates than most eucalyptus, thriving near the coast or in the hot desert valleys of the interior and will endure minimum temperatures of 15 degrees below zero and succeed very well in the best for forest cover. The wood is hard and durable, excelling kineon in strength and for railway ties, mining purposes, wagon building, shipbuilding, etc. Pkt. 15c, oz. $1.00, lb. $10.00.

**E. LEUCOXYLON.** "Var. Rosea." A variety of the preceding, having beautiful pink flowers, and of great value as an ornamental tree, and can be grown in localities where E. ficifolia will not thrive. Pkt. 15c, oz. $1.50.

**E. LINEARIS.** An ornamental species of somewhat weeping habit, with a small, well lancet-shaped leaf. It has been known in California, though wrongly, under the name of E. amygdalina, var. angustifolia. Pkt. 15c, oz. $2.00.

**E. LONGIFOLIA.** "Woolly Butt." A moderate sized tree, but in Australia under favorable conditions has sometimes reached 200 feet. In California it thrives best near the coast. The timber is useful for posts, ties, street paving, etc. Pkt. 15c, oz. 75c.
E. MACULATA. "Spotted Gum." Attains a height of 150 ft. It grows remarkably straight. The wood is used for shipbuilding, wheelwrights' and cooperers' work. It is closely allied to *Eucalyptus leucoxylon.*" Pkt. 15c, oz. $1.00.

E. MELLIODORA. "Yellow Box." A fair sized tree, reaching a height of 120 to 150 ft. In California it thrives near the coast, but not in the interior valleys.

E. MILLERIANA. "Yellow Stringy-bark." A tree of medium size, best suited to the coast region, but it has not been thoroughly tested in California. The wood is of extreme durability and will not succeed, however, in the hot, dry interior valleys.

E. OILY-BARK. A tall, straight-growing tree, sometimes attaining a height of 300 feet in Australia. In California it grows fairly well near the coast, but at a distance it will not succeed. However, in the hot, dry interior valleys it is highly esteemed and easily worked, being used for rough building purposes, shingles, etc. Pkt. 15c, oz. 75c.

E. PHILIAE. "Black Butt." In Australia under favorable conditions it has attained a height of 300 feet, but the average height is 100 to 150 feet. In California it thrives near the coast, but will not thrive in the hot, interior valleys. The timber is strong and durable, useful for house building, shiplumbering, telegraph poles, and railway ties. Pkt. 15c, oz. $1.00, lb. $3.00.

E. POLYANTHEMA. "Red Box." In Australia this tree thrives in the coast regions and is suited to moist, semi-tropical climates, but will not thrive in the hot interior valleys. It is not resistant to frost. The trees are of remarkably straight growth. It has been said that this tree is of slow growth, but trees over 100 years old have been found in the Santa Monica Mountains. Pkt. 15c, oz. $1.00, lb. $3.00.

E. PUNCTATA. "Leather-jacket." A medium sized tree attaining a height of 100 feet in Australia. In California the tree is rare, but on the coast some fine specimens are to be seen in Riverside. The gum tree near Los Angeles and at Santa Monica have made a rapid growth and grown remarkably straight. The wood is one of the strongest and is made hard and durable, being used for railway ties, wagon work and other purposes. This species promises to be one of the best for planting commercially in situations near the coast. Pkt. 15c, oz. $1.00, lb. $10.00.

E. RESINIFERA. "Red Mahogany." 100 feet or more. This tree thrives in the coast regions and is suited to moist, semi-tropical climates, but will not thrive in the hot interior valleys. It is not resistant to frost. The trees are of remarkably straight growth. It has been said that this tree is of slow growth, but trees over 100 years old have been found in the Santa Monica Mountains. This has made a growth that compares favorably with many of the forest trees. The wood is of a rich, reddish-brown color, and makes the most beautiful polish and makes the most beautiful furniture. This wood is of great strength and is used in Australia for piles, posts, paving and general building purposes. Pkt. 15c, oz. $1.00, lb. $5.00.

E. ROBUSTA. "Swamp Mahogany." 100 feet. This tree thrives best in low, moist land, but has been grown on dry land in California and has been found to be essentially a wet-land species. It is geometrical in growth when young and has been largely planted as a street and park tree. It has large white foliage and white flowers which are valuable for bees. The wood is brittle and not very durable under ground. Pkt. 15c, oz. 50c, lb. $5.00.

E. ROSTRATA. "Red Gum." In Australia it is said to reach a height of 300 feet. It is a tree of wide favor under favorable conditions. It succeeds under a greater variety of conditions and soils than probably any other species, growing well on moist land near the coast and in the hot interior valleys, standing extremes of heat and cold. It has done remarkably well at Imperial and all other irrigated sections on the coast. When grown in the open, it is not of rapid growth, but in the hot interior sections it grows quickly and is worthy of trial. The "Blue Gum" will in the coastal regions. This tree has been planted very extensively and is recognized as one of the best of the forest trees for the hot interior sections. The wood is strong and durable, useful for railway ties, piles, stumps, fence posts, etc., and is used for cabinet work. Pkt. 15c, oz. 50c, lb. $5.00.

E. RUDIS. 75 to 100 feet. One of the best for street planting. It stands heat and cold; thrives near the coast and has grown so well in irrigated sections on the desert that is reserved by some as "The Desert Gum." Pkt. 15c, oz. $1.00, lb. $10.00.

E. SIDEROLYON. "Broad-leaved Ironbark." 100 feet. This tree thrives in California, in the coast regions, but is not suited to the dry, hot interior valleys. The wood is very strong and durable, useful for wagon building, railway ties, etc. Pkt. 15c, oz. $1.00.

E. SIDEROLYXON, VAR. ROSEA. A variety of the preceding, with deep red blossoms, but well suited with the dense silvery gray foliage. By many this is considered the most ornamental of all the species. Pkt. 15c, oz. $1.00.

E. STUARDCIA. "Apple-scented Gum." A medium sized tree. It thrives near the coast and will develop minimum temperatures of 25 degrees F. The wood is of a dark red color, hard and heavy, and is used for railway ties, bridges, wagon ties, etc. Pkt. 15c, oz. $1.00.

E. SIDEROSPERMY, VAR. ROSEA. A variety of the preceding, with deep red blossoms, but well suited with the dense silvery gray foliage. By many this is considered the most ornamental of all the species. Pkt. 15c, oz. $1.00.

E. TERTICORNIS. "Forest Red Gum." 150 feet. One of the very best for commercial use, closely allied to E. rostrata, but forming a 150 foot tree. In general the purposes I believe this is the best of the whole genus, taking all conditions and using into consideration climate, soil, hot or cold, thrives in sections near the coast, further inland in the hot interior valleys and in irrigated sections of the desert. Under the latter conditions it makes a remarkably rapid growth. This tree has been planted on a very large scale in California and also in other countries. I have received very favorable reports of it from Arizona, Texas, Kansas and also in the Southwestern States. This is a reddish color, heavy, strong and durable, valuable for railway ties, telegraph poles and for furniture and interior finishing. The wood is of a lighter color than some of the other eucalyptus. In the coastal regions it is of very rapid growth, being one of the most rapidly growing of the species, and many think it superior to mahogany. The seed I am offering is extra selected stock, from the very best specimen trees. Pkt. 15c, oz. 75c, lb. $2.50.

E. VIMINALIS. "Mama Gum." In Australia this tree has attained a height of 300 feet with a diameter of 15 feet. It is an exceedingly handsome tree with strong pinnate leaves, and is one of the most picturesque for avenue planting. This tree will thrive under a great variety of conditions, growing near the coast, on sandy soil near the lakes, and on the desert sections of California and Arizona. It stands considerable heat and cold and will thrive in a hotter climate than many other species. In the coastal regions it is of very rapid growth, being one of the most rapidly growing of the species, and many think it superior to mahogany. The seed I am offering is extra selected stock, from the very best specimen trees. Pkt. 15c, oz. 75c, lb. $2.50.

E. TERETICORNIS. "Cooper or Round-leaf." See E. amphilolia.
PALM SEEDS

The seeds of all the species offered here, except the Cocos, can be germinated without artificial heat. Sow the seeds thickly in shallow boxes of light soil mixed with about the same quantity of leaf-mold. When a few inches high pot up into small pots. Some species are very slow to germinate, while others will come up in 5 or 6 weeks. Washingtonia filifera and W. robusta, Phoenix canariensis and P. reclinata can be sown out in the open ground in spring after the weather has become warm and will germinate quite easily.

CHAMAEROPS EXCELSA. (Trachycarpus excelsus.) "Wind-mill Palm." China, Japan and India. 30 feet. One of the hardiest palms known, standing heavy winds without injury to the leaves and also several degrees of frost. The leaves are fan-shaped, finely and deeply cut. One of the best palms for street planting. Oz. 15c, lb. $1.50.

C. HUMILIS. The Mediterranean region. 20 feet. A dwarf growing hardy species, with fan-shaped leaves, especially desirable for lawns, also for growing in tubs for porch plants. Oz. 20c, lb. $2.00.

C. HUMILIS ARGENTEA. Similar to the last, but with more silvery foliage. 10 seeds 15c, 100 seeds $1.00.

COCOS. A large genus of very beautiful pinnate-leaved palms from tropical and semi-tropical South America. Many of the species are quite hardy in California and are especially desirable for planting on lawns. The seeds may be sown in boxes or seed pans as mentioned for other palms, but require bottom heat to germinate the seed.

C. AUSTRALIS. "Pindo Palm." 15 feet. A rather slow growing but very ornamental palm with glaucous green recurved leaves. One of the hardiest of the genus and the one best known in California. 10 seeds 15c, 100 seeds $1.00.

C. ALPHONSEI. Of stocky habit and rather quick growth for this group of palms. The leaves are blue-green, beautifully arched. The seeds are covered with edible pulp of rich apricot flavor. One of the hardiest of all palms, having stood in Northern Florida during the freeze of 1885 a temperature of 8 degrees Fahr., unharmed. 10 seeds 20c, 100 seeds $1.50.

C. BONNETTI. A very graceful palm. Leaves gray-green in color when in full sunshine, but when grown in houses, of a darker green. One of the best for house culture and also quite hardy out of doors in California. 10 seeds 20c, 100 seeds $1.50.

C. CAMPESTRIS. 10 to 15 feet. Leaves spreading and recurved, but slightly rigid. 10 seeds 20c, 100 seeds $1.50.

C. ERIOSPATHA. 10 to 15 feet. Leaves blue-green in color. The seeds are covered with edible pulp of a rich flavor. One of the best of the hardy Cocos. 10 seeds 20c, 100 seeds $1.50.

C. ODORATA. Similar to C. Australia, but really more graceful. The fronds are more silvery in color and have broader segments. 10 seeds 20c, 100 seeds $1.50.

C. SCHIZOPHYLLA. 8 to 10 feet. Dark green spreading leaves, gracefully arched. Petioles spreading with red, edges armed with stout red spines. 10 seeds 20c, 100 seeds $1.50.

C. YATAI. 12 to 15 feet. Leaves recurved, spreading 6 to 9 feet long similar to C. Australia in general appearance. 10 seeds 20c, 100 seeds $1.50.
The following are all rare kinds, similar to C. australis in general appearance, but varying somewhat in color, size of leaf, etc.: C. ARGENTEA, C. BRAZILIENSIS, C. COMOSA, C. GAERTNERI, C. HUMILE, C. LAPIDEA, C. MARITIMA, C. PETERIA. Seeds of these can be furnished at the uniform price. 10 seeds 20c, 100 seeds $1.50.

C. PLUMOSA. Brazil. 50 feet. One of the best for street planting and largely planted in Santa Barbara. It is a rapid growing palm with slender trunk, crowned with graceful pinnate leaves. 10 seeds 20c, 100 seeds $1.50.

E. BRANDEGEL. Lower California. 125 feet. The most beautiful of fan palms. Leaves rich green and glaucous beneath. 10 seeds 25c, 100 seeds $2.00.

F. EDULIS. "Guadalupe Palm." Guadalupe Island. 30 feet. A rapid growing Fan Palm of great beauty. Leaves green, and without any threads. 10 seeds 15c, 100 seeds $1.00.

PHOENIX CANARIENSIS. "Canary Island Palm." Without doubt the most popular in California and one of the most graceful of our hardy palms. Leaves pinnate and of a deep dark green color. Very effective for lawns and large grounds. 10 seeds 10c, 100 seeds 50c.

P. DACTYLFERA. "Fruiting Date Palm." Arabian and North Africa. 100 feet. Produces the dates of commerce. Of rather stiff growth when young and not very ornamental, but when fully developed it is hard to be surpassed for scenic effect. Oz. 20c, lb. $2.00.

C. ROEBELI. Slaim. A beautiful little species growing only a few feet high, with finely cut leaves, especially valuable for growing as a pot plant. 10 seeds 25c, 100 seeds $2.00.

WASHINGTONIA FILLIPER. "California Fan Palm." 30 feet. The common Fan Palm of California. Trunk attains a diameter of 4 feet. Leaves fan-shaped with numerous divisions and whitish filaments. Oz. 15c, lb. $1.00.

W. ROBUSTA. (W. gracilla.) 100 feet. Of more slender growth than the preceding and more graceful in general appearance. The leaves are brighter green and with less filaments. This is the palm now so largely used for street planting. Oz. 25c, lb. $2.50.

W. SONORAE. Lower California. 25 feet. A beautiful palm resembling the well-known California Fan Palm, but more symmetrical in growth and more dwarf in habit. The leaves are of medium size with few or no filaments and retain their dark green color during the winter months. Leaf short and thorny, of upright growth with dark leaf-sheaths. Oz. 50c, lb. $5.00.

DECORATIVE PLANT SEEDS

Sow the seed in pots or boxes of light, well-drained soil; when the plants are large enough to handle, pot up into small pots and afterwards transfer to larger pots or plant out in the open ground, as desired.

ASPARAGUS PLUMOSUS. "Anparagus Fern." A favorite climbing vine, suitable for shady locations. Also grown as a pot plant. Soak the seed in hot water 12 hours before sowing. Pkt. 10c, 100 seeds 50c.

A. SPRENGERI. A favorite plant for hanging baskets. Treat the seed the same as the preceding variety. Pkt. 10c, 100 seeds 30c.

DRACAENA AUSTRALIS. (Cordyline australis.) New Zealand. 20 feet. A popular plant for pot culture, also for lawns and street planting. Forget a stout branched stem with broad leaves 2 to 3 feet long. Oz. 5c, lb. 25c.

D. DRACO. "Dragon Tree." Canary Islands. 50 feet. Forms a stout stem crowned with numerous sword-shaped leaves. 10 seeds 10c, 100 seeds 50c.

D. INDIVISA. (Cordyline indivisa.) New Zealand. 30 feet. Grows much more rapidly than either of the preceding with long narrow leaves and slender stems. Pkt. 10c, oz. 50c, lb. $5.00.

DORYANTHES PALMERI. A valuable decorative plant from Australia. The plants throw up numerous leaves 5 to 7 feet long, and flower stems 8 to 10 feet high, each bearing a large thyrsus of deep scarlet flowers. It takes the plants several years to reach the blooming stage, but the young plants are very valuable for decorative pot plants. 25 seeds 15c, 100 seeds 50c.

P. LEONENSI. (P. spinosa.) Africa. 40 feet. A large palm of strong growth, attaining about the same proportions as P. canariensis. Fronds with a slightly glaucous tinge, armed at the base with formidable spines. 10 seeds 15c, 100 seeds $1.00.

P. RECLINATA. South Africa. 12 to 20 feet. Of slender, graceful habit. Pinnate leaves beautifully arched, usually hanging edgeways. A fine palm for avenue planting or for single specimens on lawns. 10 seeds 15c, 100 seeds $1.00.

MUSA ENSETE. "Abbyssian Bunana." A splendid decorative species forming a single stout trunk and immense broad leaves 10 to 15 feet long. 10 seed 15c, 100 seeds $1.00.

PHORMIUM TENAX. "New Zealand Flax." 6 feet. A fine plant for sub-tropical beds. Large, erect-growing, dark green leaves. Pkt. 10c, oz. 50c.

STRELTZIA NICOLAI. South Africa. 15 to 20 feet. A rare species with large flowers of grotesque form, white and blue. Forms a large stem and large broad leaves. Soak the seed in hot water for 24 hours before sowing. It is better to use bottom heat in germinating this seed, though it has been grown fairly well without. 10 seeds 25c, 100 seeds $2.00.

YUCCA BACCATA. Arizona. Of low, compact growth, leaves rigid, with thick marginal threads. Flower spikes 5 to 6 feet long. Pkt. 10c, oz. $1.00.

Y. RADIATA. Arizona and Mexico. An exceedingly handsome species with many narrow, rather rigid, pale green leaves. Flowers white, bell-shaped, in large panicles on long stems. Pkt. 15c, oz. $1.00.

Y. WHITPELLI. "Spanish Bayoné." California. A magnificent plant with narrow glaucous green leaves. Flower stems 8 to 10 feet high with often two, three and even six thousand waxen, pendulous blossoms. Pkt. 10c, oz. 50c.
Field Grown Roses
Strong Field Grown Roses in dormant state.
Roses listed at 25c each, furnished at $2.50 per doz.
Roses listed at 50c each, furnished at $3.50 per doz.
After middle of April, growing plants furnished in pots at 50c each, $2.50 per doz.

NEW AND RARE BUSH ROSES

LADY HILLINGDON. Tea. A splendid rose of recent introduction. Long, pointed buds. Color, clear, deep apricot yellow without any shading. It is of vigorous growth, with handsome, deep green foliage and blooms continuously throughout a long season. By many this is considered the best yellow rose yet introduced. Each 50c.

LA DETROIT. Hybrid Tea. Large cup-shaped flowers, pale pink, shading to soft rose. Handsome glossy-green foliage. Each 50c.

MADAME JENNY GUILLEMET. Hybrid Tea. A late introduction from Europe. The buds are long and pointed, deep saffron yellow, opening canary yellow, with darker shadings. It is a prolific bloomer, flowers large with petals of good substance. Of upright growth with distinct bright green foliage. Each 50c.

MADAME SEGUND WEBER. Hybrid Tea. Rose-salmon or flesh pink. Long pointed buds opening into enormous flowers, which deepen in color until fully expanded. Each 50c.

MRS. ARTHUR ROBERT WADDELL. Hybrid Tea. Long pointed buds of a deep apricot color. A strong, robust grower with handsome foliage. One of the most beautiful roses of late introduction. Each 50c.

SUNBURST. Hybrid Tea. A grand new rose, very large and perfectly formed flowers and long, pointed buds, yellow shaded with orange, the outer petals of a lighter shade. Of strong, vigorous growth, sending up stout stems heavily clothed with handsome foliage. One of the very best roses of late introduction. Each 50c.

WHITE KILLARNEY. Hybrid Tea. A sport from the well-known Killarney, differing only in the color of the flowers, which are creamy white. Each 50c.

NEW AND RARE CLIMBING ROSES

CLIMBING WHITE COCHET. Tea. One of the best climbing roses. Of rapid growth and very free blooming; long pointed buds, white sometimes tinged with pink. Each 50c.

CLIMBING KILLARNEY. Hybrid Tea. A sport from the famous Killarney rose, being identical in every respect, except that it is a climber. Of strong, vigorous growth, blooming continuously. Each 50c.

DUCHESS DE AUERSTADT. Tea. This splendid rose is not as well known as it should be, for it is one of the very best of the climbing roses. Color, deep rich yellow, large globular flowers. Each 50c.

MARECHAL NIEL. Noisette. Pure sulphur yellow, perfectly formed buds and large globular flowers, deliciously fragrant. Each 50c.
BUSH ROSES

AMERICAN BEAUTY. Hybrid Perpetual. Rosy crimson, shaded carmine, very sweet and a favorite forcing variety. Each 35c.

CLARA WATSON. Hybrid Tea. Blush pink; buds of fine form; a strong grower with heavy foliage; very free flowering. Each 35c.

DR. GRILL. Tea. Clear buff pink, changing to rose and fawn, suffused with pale yellow; large and a very free bloomer. Each 35c.

DUCHESS OF ALBANY. Hybrid Tea. "Red La France." Rosy pink, very large and full. Each 35c.

FRANZ DEEGEN. Hybrid Tea. Large, perfect flowers, deep orange in the center shading to cream on the outer petals. Each 35c.

FRAU KARL DRUSCHKI. Hybrid Perpetual. Pure snow white, large, perfect flowers on long stems; free flowering: rich, handsome foliage. The best white Hybrid Perpetual rose ever offered. Each 35c.

GENERAL JACQUEMINOT. Hybrid Perpetual. Bright shining crimson; a general favorite. Each 35c.

GENERAL MEARTHUR. Hybrid Tea. Dazzling crimson scarlet. Buds are of good shape and produced on long stems; foliage is a clear glossy green. A free bloomer and one of the best for cutting. Each 35c.

GLOIRE DES ROSEMÈNES. (Ragged Robin.) Bengal. One of the most popular roses grown, largely used for hedges and for planting along driveways or roadsides. Large semi-double flowers, growing in clusters. Color, brilliant crimson. Very free-flowing. Each 25c.

GRUSS AN TEPLITZ. Hybrid Tea. Rich very red; succeeds well in hot climate; free bloomer. Each 25c.


KILLARNEY. Hybrid Tea. The "Irish Rose." Bright carmine pink, marbled in creamy white. Extremely long buds on long, stiff stems; fine foliage; one of the very best varieties for cutting. Each 25c.


MADAME CAROLINE TESTOUT. Hybrid Tea. Clear pink, large full flowers, very sweet, a strong grower and good bloomer. Each 35c.

MADAME ABEL CHATENAY. Tea. Salmon pink; a favorite for cutting, fine either in the bud or open state. Each 35c.


MAMAN COCHET. Tea. Deep rose pink, inner petals silvery rose, shaded and touched with yellow; fine buds; keeps well when cut; great favorite with florists. Each 25c.

MARIE VAN HOUTTE. Tea. Creamy yellow, edge of petals tipped with rose, fine buds. Each 35c.

MRS. JOHN LAING. Hybrid Perpetual. Soft pink, large and full; one of the most fragrant roses known. Each 35c.


PAUL NEYRON. Hybrid Perpetual. Deep rose; the largest of all roses, strong, erect grower, large, handsome foliage. Each 25c.

PERLE DES JARDINS. Tea. Bright sulphur-yellow, large, well-formed flowers. Each 35c.

PRINCE CAMILLE DE ROHAN. Hybrid Perpetual. Very dark velvety crimson; one of the best dark roses. Each 25c.


SOUVENIR DU PRÉSIDENT CARNOT. Hybrid Tea. Delicate rose flesh, shaded to rose pink in center, a continuous bloomer, thrifty, symmetrical in growth, flowers of good size on long stems, well-formed buds. Each 25c.

ULRICH BRUNNER. Hybrid Perpetual. Brilliant cherry red, flowers large and produced on long stems. Each 25c.

WHITE LA FRANCE. (Augustine Guinoloseau) Hybrid Tea. Delicate, soft flesh, at times almost white, large full flowers. Each 25c.

WHITE MAMAN COCHET. Tea. White, sometimes tinged with blush, long stems; fine for cutting. Each 25c.

WINNIE DAVIS. Hybrid Tea. Apricot pink, shading to flesh color at the base of the petals; long, well formed buds. Each 35c.
CLIMBING ROSES

CHEROKEE. Single. Pure white, large yellow stamens, a lovely contrast against rich, glossy foliage, a rapid grower; valuable covering for fences, etc. Bloom late April. Each 35c.


CLIMBING CAROLINE TESTOUT. Hybrid Tea. Clear bright pink; large, well-formed flowers. Each 35c.

PAPA ALLEN. A modern, doubles. Pure white, very fragrant. Each 15c.

REINE MARIE HENRIETTE. Hybrid Tea. Cherry-red, large, well-formed flowers, a popular sort. Each 25c.

REVE DOR. Tea. Apricot-yellow with orange and fawn tints, free bloomer, hardy and rapid grower. Each 35c.

WILLIAM ALLEN RICHARDSON. Noisette. Orange-yellow, free flowering. Each 35c.

CARNATIONS

Fine strong plants from 2½-inch pots. Each 10c., per doz. 75c.

DR. CHOATE. Light scarlet; flowers deeply fringed and very fragrant. A continuous bloomer.

ELDORADO. Light yellow, flowers on long stems. A profuse bloomer.

ENCHANTRESS. Beautiful shade of daybreak pink. Immense flowers borne on long stems.

FAIR MAID. Pale pink, free bloomer.

JAS. CORBETT. Salmon pink; large, deeply-fringed flowers, very fragrant and produced on long stems. Blooms nearly all the year round.

LOS ANGELES. Pure white, large fringed flowers. Of compact, bushy growth, with long, wiry stems. One of the most popular of the Redondo strain.

ROSE PINK ENCHANTRESS. A sport from Enchantress. Flowers equally as fine, but of a beautiful rose-pink color.

ROOSEVELT. Rich dark crimson. Large flowers produced in great abundance.

WHITE ENCHANTRESS. A pure white sport from Enchantress, and is the same in all respects except in color.

CHRYSANTHEMUMS

Plants ready for delivery from the beginning of April to June. Each 15c., per doz. $1.50.

AUTUMN GLORY. Rich salmon-pink, reflexed.

BEATRICE MAY. Very large, pure white, early.

BESSIE GODFREY. Canary yellow. A beautiful Japanese variety.

BLACK HAWK. Very dark crimson, medium size, well-formed flowers.
DAHLIAS

**CACTUS VARIETIES**

**BRILLIANT**—Scarlet crimson, incurved petals. Each 25c.

**CHIMAWA.** Amber-buff, shaded with bronze, extra fine. Each 50c.

**COUNTRESS OF LONSDALE.** Terra-cotta salmon, very profuse flowering. Each 25c.

**CREPUSCLE.** Buff, shaded amber. Each 50c.

**FLARE.** Scarlet, of dwarf habit. Each 25c.

**GOLDEN WEST.** Chrysanthemum-flowered type, buff-orange shaded sunset. For cutting purposes this is the best dahlia ever grown. Each 75c.

**MARGUERITE BOUCHON.** Soft rose-pink with white center, the most beautiful dahlia grown. Each 75c.

**NATICK HOUSE.** Canary yellow, very free flowering. Each 25c.

**PRIMA DONNA.** Cream flushed, shaded lavender pink, profuse bloomer. Each 50c.

**RENE CAUEAUX.** Crimson scarlet, dwarf habit and free flowering. Each 25c.

**SAPRANO.** Amber, shaded bronze, a favorite for cutting. Each 25c.

**SURPRISE.** Orange-amber, a very rich shade. Each 50c.

**WHITE ZEPPELIN.** Pure white, very fine. Each 25c.

**TURINGIA.** Orange-scarlet, very free flowering. Each 25c.

**DECORATIVE VARIETIES**

**ABILEONE.** Mother of pearl shell-pink, paeony shaped flower. Each 50c.

**BARRANCA.** Canary yellow. Each 25c.

**DELICE.** Pink, with lavender pink shadings, very beautiful. Each 25c.

**IMMENSE.** Crimson-lake, variegated and striped with white. Each 50c.

**JEANNE CHARMET.** Pink with rose edgings, very pretty. Each 25c.


**LUCRO.** Sunset shaded on bronze-buff; long stems; plants of tall habit. The best decorative dahlia for cutting. Each 75c.

**MINNIE BURGEO.** Coquelicot-red, very large; dark green foliage. Each 25c.

**MT. RAINIER.** A show dahlia, snow white, long stems. Each 50c.

**SEBASTOPOL.** Intense orange-scarlet, one of Luther Burbank's introductions, rare. Each $1.00.

**SOUVENIR DE GUSTAVE DOAZON.** Orange-red, large, profuse bloomer. Each 25c.

**GERANIUMS**

**SINGLE VARIETIES**

Each 10c, per doz. $1.00.

**ALICE OF VINCENNES.** Very large, pure white in the center, shading to carmine rose and scarlet at outer edges of petals.

**CERISE.** Large, well-formed flowers, rose shaded with orange.

**GERTRUDE PEARSON.** Rosy pink, with white center, one of the best for bedding.

**GENERAL LEONARD WOOD.** White in the center, crimson banded, and orange toward the edge. Each 25c.

**JOHN FORBES.** Large, vivid scarlet. Of dwarf; bushy growth, a favorite for bedding.

**CRABBE.** Delicate rosy pink. Immense flowers, produced in large trusses, extra fine.

**JACQUELINE.** Rich velvety crimson, immense flowers. One of the best for bedding.

**SNOWDROP.** Pure white. Of dwarf habit, the best white geranium.
IVY LEAVED VARIETIES
Each 10c, per doz. $1.00.
CHARLES TURNER. Large, bright pink; a very popular variety.
CHARLES MONSELET. Large trusses on long stiff stems; deep rosy red, the upper petals beautifully marked.
COLONEL BADEN POWELL. Delicate pearly white, often showing a bluish tint. Very large, one of the best for hanging baskets or window boxes.
ETINCELANT. Very large, intense scarlet, the most brilliant Ivy Geranium ever grown. Very scarce.
Each 15c, per doz. $1.50.
LEOPARD. Lavender pink, marked with crimson on the upper petals, very striking. Large flowers an a free bloomer.
MRS. H. J. JONES. Carmine rose, beautifully feathered with maroon.

PELARGONIUMS
Each 25c, per doz. $2.50.
ANTITA. Very large, color white in center of flower, merging into bright rose, the upper petals marked with dark crimson.
BERTHA WAGNER. Carmine rose, edged with white.
CENTENAIRE. Clear violet, with large black blotch on each petal; very large.
CORNELIE. White in the center, shaded to soft rose and blotched maroon.
J. A. BOLAND. Salmon and rose with black blotches on upper petals.
LORD CLYDE. White, flushed and veined with purple, with a crimson blotch on each petal.
OLYMP. Pure white; very large flowers, extra fine.

FUCHSIAS
DOUBLE VARIETIES
Each 25c, per doz. $2.50.
DIAMANT. Sepals rosy scarlet, corolla white and crimson; very double.
EMILE LAURENT. Sepals rose color, corolla rose and white; very free flowering.
G. PORTESI. Sepals scarlet, corolla violet blue, marked with scarlet at the base of the petals.
ROSE PHENOMENAL. Rich lavender mauve; large flowers.
SYLVIA. Sepals scarlet, corolla pure white; flowers of enormous size.
TORPILLET. Sepals vivid red, corolla flesh color shaded with rose.

SINGLE VARIETIES
Each 25c, per doz. $2.50.
BLACK PRINCE. Sepals scarlet, corolla rich rose color; large flowers.
ELS. Sepals rose color, corolla rosy purple; flowers of enormous size.
SOUVENIR DE H. HENKLE. Flowers often 3 inches long, rich carmine rose; dark red foliage.

PERENNIAL PHLOX
Each 25c, per doz. $2.50.
ALBION. Large, pure white with red eye.
BRIDESMAID. White with deep crimson eye.
COQUELICOT. Pure, rich scarlet; one of the very best.
F. G. VON LASSBÜRG. Pure white, very large flowers, borne in enormous trusses.
INSPECTOR ELPEL. Large pale rose with deep purplish crimson eye.
LOTHAIR. Of dwarf habit; free flowering. Dark salmon with deep crimson eye.
M. MAURY. Rich salmon overlaid with rose; extra fine.
MRS. JENKINS. Pure white; very free flowering.
MRS. ROBINSON. Large flowers, pure rich salmon.
PANTHEON. Large, rich carmine rose.
PROFESSOR SCHLEIEMANN. Rosey lilac.
PROFESSOR VICHOW. Large, pure white shading to crimson.

MISCELLANEOUS FLOWER-ING PLANTS
ANEMONE JAPONICA. "Japanese Wind-Flower." White or pink. Each 15c, per doz. $1.50.
AQUILEGIA. "Columbine." Long spurred hybrids. Each 15c, per doz. $1.50.
ASTER. Giant Branching Comet and Vick's Branching, separate colors or mixed. Per doz. 25c, per 100 $1.75.
BEGONIA. Bedding varieties, separate colors. Per doz. 15c, per 100 $5.00.
BELLIS PERENNIS. "Double Daisy." Mixed colors. Per doz 25c, per 100 $1.75.
CENTAUREA CANDIDISSIMA. "Dusty Miller." Silvery folandged plant for beds and edgings. Each 15c, per doz. $1.00.
COREOPSIS LANCEOLATA. Large deep yellow. Each 10c, per doz. $1.00.
DAISY. See Bellis.
DELPHINIUM BELLADONNA HYBRIDS. Various shades of blue. Each 60c, per doz. $1.50. See page 13.
GERBERA JAMESONII HYBRIDS. Beautiful hybrids of the Transvaal Daisy. Each 35c, per doz. $3.50. See page 20.
HELICOTROPE. Leading varieties. Each 25c, per doz. $2.50.
HATTANA. Leading varieties. Each 15c, per doz. $1.50.
LOBELIA. Crystal Palace compacta. Per doz. 35c, per 100 $2.00.
MARGUERITE. Giant White, Giant Yellow, Mrs. Sanders. Each 10c, per doz. $1.00.
PAMPAS GRASS. Strong plants in gal. cans. Each 25c. PANSY. Giant, mixed colors. Per doz. 25c, per 100 $1.75.
PENTSTEMON. Large flowered, mixed colors. Each 15c, per doz. $1.50.
PETUNIA. Double fringed, mixed colors. Single fringed, mixed colors. Each 10c, per doz. $1.00.
POINSETTIA. Strong plants in pots. Each 35c.
PRIMULA OBCONICA GRANDIFLORA. In pots. Each 20c, per doz. $2.00.
PRIMULA KEWENSIS. Yellow, in pots. Each 15c, per doz. $1.50.
ROMNEYA COULTERI. "Matilija Poppy." Beautiful native plant with large white flowers. Strong plants in cans. Each 50c.
RUBBECKIA, GOLDEN GLOW. Large double yellow flowers, appearing in fall. Each 15c, per doz. $1.50.
SALVIA SPLENDENS. "Scarlet Sage." Valuable for beds and borders. Each 10c, per doz. $1.50.
SANTolina CHAMAECYPARISUSS. Useful for edgings. Per doz. 35c, per 100 $2.00.
SIATA DAISY. Alaska, large white. Each 10c, per doz. $1.00.
STOCKS. Ten-week, separate colors or mixed. Per doz 25c, per 100 $1.75.
VERBENA. Mammoth, separate colors or mixed. Per doz. 50c, per 100 $3.50.
VINCA MAJOR. Pretty trailing plant with shiny green foliage and pale blue flowers. Each 15c, per doz. $1.50.
VINCA MAJOR VARIEGATA. Variegated form of the preceding. Each 15c, per doz. $1.50.
VIOLETS. Princess of Wales, the best variety. Per doz. 50c, per 100 $2.00.
VITADENIA TRILOBATA. A graceful plant for rock work, banks or borders. Each 10c, per doz. $1.50.
**SUMMER FLOWERING BULBS**

**AGAPANTHUS UMBELLATUS.** Blue African Lily. Flower stalks 2 to 3 feet high crowned with large umbels of from 30 to 30 sky blue, lily-like flowers. Large clusters of pink leaves. Each 15c to 25c.

**AMARYLLIS BELLODANA.** "Bellodana Lily." Large rose pink flowers. Each 25c.

**AMARYLLIS FORMOSISSIMA.** "Jacobean Lily." Rich velvety crimson, very showy. Each 15c, per doz. $1.00.

**AMARYLLIS JOHNSONII.** Flowers very large, red, striped with white in center of petals. Each 15c to 25c.

**AMARYLLIS VARIATA HYBRID.** A great variety of splendidly large white grounds marked with pink, scarlet, crimson or maroon; very large flowers, extra fine. Each 35c.

**BECCOMIA.** "Sunus Rooted." Single varieties in separate colors. Scarlet, crimson, pink, salmon, white and yellow. Each 15c, per doz. $1.50. Single varieties mixed. Each 15c, per doz. $1.00.

**CALLA.** Handsome lilies. Each 5c, per doz. 50c.

**CARPATICHE.** (Richardia Cataria.) One of the finest introductions for many years. Flowers fully as large as the ordinary white variety, but deep, rich, golden yellow; foliage dark green faintly spotted with white. Each 35c.

**GLADIOLUS, AMERICA.** Soft flesh pink, large flowers, extra fine. Each 10c, per doz. 75c.

**GLADIOLUS, BLANCHE.** White with faint markings. Each 15c, doz. $1.50.

**GLADIOLUS, BARTON J. HULOT.** (Blue J.) Blue. Bigger than the old "Blue J." Each 10c, doz. $1.00.

**GLADIOLUS, MRS. FRANCIS KING.** Bright scarlet; extra fine. Each 10c, doz. $1.00.

**GLADIOLUS, PRINCES.** Bright crimson, with white blotches in throat; very large. Each 10c, doz. $1.00.

**GLADIOLUS, SALMON QUEEN.** Salmon pink. Each 10c, per doz. 75c.

**GLADIOLUS, SUPERB MIXTURE OF LIGHT SHADES.** Each 15c, per doz. 75c.

**TUBEROSE, DOUBLE PEARL.** White, the best variety. Each 5c, per doz. 50c.

**VALERIA.** "Pearlborough Lily." Flowers rich, dazzling vermilion, exceedingly showy. The flowers are shaped like an Amaryllis, under which name they are sometimes listed in the new plant, it is scarcely known at all in this country and is certainly worthy of general cultivation. It likes a warm, sunny situation. Each 35c.

**ZEPHYRANTHES ROSEA.** "Zephyr Flower," or "Fairyl Lily." Bright rose pink, very beautiful. Each 10c, per doz. 75c.

**CLIMBING PLANTS**

**AMPELOPSIS BREVIPPICA.** (A treubispidata.) "Boston Ivy." A splendid vine for covering stone or brick walls, to which it fastens itself tightly by means of aerial roots and makes a dense mat of small, dark green leaves. Each 15c, per doz. $1.50.

**AMPELOPSIS BREVIPPICA.** "English Ivy." A well-known climber, with large, thick, shining dark green leaves. Each 25c, per doz. $3.00.

**HONEYSUCELLU.** See Lonicera.

**IPOMOEA GRANDIFLORA ALBA.** "White Moonflower." Large white flowers, a few green foliage. Each 25c.

**IPOMOEA LEARII.** "Blue Dayflower." A very rapid grower and a great favorite for covering fences, sheds, etc. Large blue flowers and rich green foliage. Each 25c.

**IVY.** See Hedera.

**JASMINUM GRANDIFLORUM.** Blooms almost the year round, large white, fragrant blossoms. Each 35c. Each 10c, per doz. $2.50.

**JASMINUM OFFICINALE.** "White Jasmine." A rather slender vine, with finely divided pinnate leaves, and quantities of white, fragrant, star-shaped flowers. Each 10c, per doz. $1.00.

**JASMINUM PRIMULUM.** A rapid growing vine from China, bearing immense quantities of large rich yellow Blossoms. It blossoms in white in winter, is always high, and I have only a limited stock to offer. Each $3.90 to $5.00.

**LOMELINIA TUMIDISSIMA.** "Mucilaginous. Flowers very large, intense, violet purple. Each $1.50.

**PECUS REPENS.** "Climbing Rubber." A splendid vine for covering stone or brick walls, to which it fastens itself tightly by means of aerial roots and makes a dense mat of small, dark green leaves. Each 15c, per doz. $1.50.

**MUEHLENBECKIA COMPLEXA.** "Wire Vine." A rapid growing evergreen vine with wiry stems and small leaves. Does well in any sun or shade, in any good soil. Each 15c, per doz. $1.00.

**TACSONIA MANICATA.** "Scarlet Passion Vine." A splendid climber, producing an abundance of very showy, bright scarlet flowers. Each 35c.

**TECOTA JASMINOIDES.** Bright glossy green foliage; flowers white, shaded at the throat to deep purple. Each 35c.

**TECOTA AUSTRALIS.** Thick handsome foliage, flowers creamy white, borne in great profusion. Each 35c.

**VITIS CAPENSIS.** "Evergreen Grape." A very rapid growing vine with large handsome foliage. Each 15c.

**WISTARIA CHINEHSIS.** "Chinese Wistaria." A splendid, rapid growing climber producing long pendulous clusters of pale purple flowers. Each $1.00 to $1.50.

**WISTARIA CHINEHSIS ALBA.** A white flowered form of the preceding. Each $1.00 to $1.50.
Ornamental Trees and Shrubs

All trees and shrubs in the following list, unless otherwise noted, are evergreen.

**ABELIA RUPESTRIS.** A pretty shrub with spreading drooping branches, small, glossy green leaves and numerous tube-like flowers, pink shaded with white. In favor with this shrub with bloom almost the year round. In gal. cans, 1 to 1 1/2 ft. Each 40c.

**ACACIA ARMATA.** "Kangaroo Thorn." 10 ft. A spreading shrub, with small yellow flowers, excellent for grouping and also for hedges. In 3-inch pots, 10 to 12 inches. Each 35c.

**BAILEYANA.** 30 feet. A strikingly beautiful tree with glaucous pinnate foliage and covered late in winter with canary-yellow flowers which completely envelop the tree. In qt. cans, 1 1/2 to 2 ft. Each 35c. Gal. cans, 3 to 4 ft. Each 75c.

**CYPRESS.** 15 feet. A rather thick growing shrub of spreading habit, bearing quantities of rich, yellow flowers. It thrives particularly well near the coast and on account of its dense habit, bright green foliage and yellow flowers, it is extremely ornamental, especially for planting in groups. In gal. cans, 2 to 3/4 ft. Each 50c.

**CULTIVARIS.** "Knife-leaved Acacia." 8 feet. A pretty shrub, with triangular shaped leaves of a glaucous green color and yellow flowers in axillary racemes. In pots, 2 to 3 ft. Each 50c.

**DELABATA.** "Silver Wattle." 69 feet. A magnificent, rapid growing tree with glaucous, finely cut foliage and covered late in winter with golden-yellow flowers. One of the best for street planting in gal. cans, 2 to 3 ft. Each 40c; 3 to 4 ft. each 50c.

**DECURSUS.** "Green Wattle." 75 feet. A rapid growing tree and one of the best for avenues. Finely cut, feather-like green foliage. Flowers bright yellow. The wood is valuable for turn work and the bark is rich in tannin. In gal. cans, 3 to 4 ft., each 40c; 3 to 4 ft., each 50c.

**FLORIBUNDA.** (A. nerifolia.) 30 feet. A very quick growing species of pendulous habit, long, narrow leaves; flowers light yellow. In gal. cans, 2 to 4 ft. Each 50c.

**MELANOXYLON.** "Blackwood." 75 feet. Of compact pyramidal growth. The favorite tree for street planting in Los Angeles. The wood takes a beautiful polish and is considered almost equal to walnut. It is used in Australia for pianos, billiard tables, etc. In gal. cans, 2 to 4 ft., each 35c; 4 to 6 ft., each 50c; 5 to 6 ft., each 75c. In 5-gal. cans, 5 to 8 ft., each $1.50.

**MOSSIFLORA.** "Black Wattle." 50 feet. A rapid growing tree of erect and upright growth, with dark green, feathery foliage; flowers yellow; blooms in late autumn. In gal. cans, 2 to 3 ft. Each 50c.

**ODONALYRIA.** A very rare and beautiful shrub, somewhat similar to A. cultivarum, but with larger flowers and larger foliage which are produced in immense quantities early in winter and for this reason it is especially recommended for cutting. Flowers rich canary-yellow. In gal. cans, 3 to 4 ft. Each 75c.

**PYCNANTHA.** "Golden Wattle." 30 feet. Of quick growth; leaves long and very broad; flowers in pendulous clusters, bright golden yellow and fragrant. In gal. cans, 3 to 4 ft. Each 50c.

**SAVIGNA.** 25 feet. Of drooping habit; leaves long, flowers rich yellow. In qt. cans, 2 to 3 ft. Each 40c.

**VERTICILLATA.** 12 feet. A shrub of rather spreading habit, with small linear leaves and with flowers spikes one inch or less in length; flowers deep yellow and extending the entire length of the young branches; one of the best for planting in groups. In gal. cans, 3 to 4 ft. Each 75c.

**ACER MACROPHYLLUM.** "California Maple." A deciduous tree, attaining a height of about 100 feet. Leaves large, deeply five-lobed, rich green, pale beneath. A native tree found growing along the Mississippi and in many of our canyons, but thriving under cultivation in the valleys. Bare roots, 3 to 4 ft. Each $1.00.

**ASCLEPIAS.** "California Buckeye." 30 feet. A beautiful native, deciduous tree, with broad rounded top. Leaves large, palmate, divided in from 5 to 7 leaflets. Flowers borne in clusters, white or sometimes pale pink. In gal. cans, 10 to 15 inches. Each 50c.

**ANGOPHORA LANCEOLATA.** A tall spreading tree with clean, smooth bark, much resembling a eucalyptus, to which it is closely related. It is valuable for planting for ornamental purposes or as single specimen trees. In 4-inch pots, 2 to 2 1/2 ft., each 35c; gal. cans, 4 to 5 ft., each 75c.

**ARACARIA HIDMPILL.** "Bunya-Bunya." A magnificent tree for planting as single specimens on lawns. In pots, 1 1/2 to 2 ft., each $2.50; 2 to 2 1/2 ft., each $3.00.

**ACER SEMPERVIRENS.** A very handsome tree of symmetrical growth. Much used for planting as single specimens on lawns; branches grow in regular tiers, the ends forming a perfect star. Small plants of this tree are in great demand as decorative pot plants. In pots, 1 to 4 ft., at $1.00 per foot.

**ARBUS MEXICANUS.** "Madrono." 75 feet. A native tree found in the coast range. The foliage is thick, bright green and leathery; bark smooth brownish-red; flowers white and fragrant, followed by red berries. In cans, 10 to 12 inches. Each $1.00.

**ASH.** 30 feet. A handsome shrub, with shining, purplish, prickly leaves and bright yellow flowers, followed by blue or nearly black berries. In pots, 12 to 15 inches. Each $1.00.

**BERBERIS AQUIFOLIUM.** "Oregon Grape." 4 feet. A handsome shrub, with shining, purplish, prickly leaves and bright yellow flowers, followed by blue or nearly black berries. In pots, 12 to 15 inches. Each $1.00.

**B. JAPONICUM.** 3 feet. Leaves about one foot long, bright yellow flowers, produced in terminal clusters. In hot, dry climates it should be planted in a shady situation. In 4-inch pots. Each 50c.

**BUXUS.** See Sparrtium.

**FUXUS SEMPERVIRENS ARBORESCENS.** "Tree Box." A well known shrub or small tree, of thick compact growth, with small dark green foliage. Can be trimmed into any shape desired. Balled, 2 to 3 ft. Each $1.00.
B. SEMPERVIRENS AUREO-VARIAGATA. "Variegated Box." Similar to the preceding, but having beautiful green and yellow variegated foliage. In 5-gal. cans, 3 ft. Each $1.50.

B. SEMPERVIRENS SUPFRUTICOSA. "Dwarf Box." A dwarf form with round leaves, much used as an edging plant; by trimming it can be kept from 5 to 10 inches high. In flats, 4 to 5 inches, per 100. $4.00.

CALLISTEMON SPECIOSUS. "Bottle Brush." A beautiful shrub, with large red, brush-like flowers. Especially valuable for dry places. In pots, 1½ to 2 ft. Each 50c.

C. HYBRIDUS. Flower spikes very large, produced in great numbers of various shades of pink, rose, scarlet and deep crimson. In pots, 1½ to 2 ft. Each 50c.

CAMELLIA JAPONICA. Handsome shrub with dark green, shiny leaves and beautiful wax-like blossoms. Thrives best in a shady place. Double red, pink or white. In pots, 1½ to 2 ft. Each $1.50.

CAMPYLOPSIS RICINOSA. "Camphor Tree." China and Japan. 40 feet. A very ornamental, symmetrical growing tree, with bright green, glossy leaves, the young foliage being of a pleasing delicate rose color. Well adapted for lawns or for street planting. The tree from which the camphor of commerce is extracted. In gal. cans, 3 to 4 ft. Each 40c.

CARPENTERIA CALIFORNICA. A rare native shrub, with handsome, glossy foliage, and bearing large, fragrant, pure white flowers with yellow stamens. In pots, 10 to 15 inches. Each 60c.

CARISSA GRANDIFLORA. A very handsome shrub with silvery green foliage and fragrant blossoms, followed by large, red, edible fruits. In 4-inch pots. Each 50c.

CASSIA ARTEMISIOIDES. Central Australia. A pretty shrub, with finely cut silvery-gray foliage and clear yellow, sweet-scented flowers; will stand any amount of drought. In pots. Each 50c.

C. TOMENTOSA. Mexico. A quick growing shrub, with bright yellow flowers, blooming all through the winter. Very effective for planting in groups. In 4-inch pots. Each 25c.

CASKIN TRIFLORA. "She Oak." Attaining a height of about 75 feet. Of rapid growth, forming a handsome tree, and particularly valuable for planting along roadsides. In cans, 3 ft. Each 50c.

CEANOTHUS ARBOREUS. "California Wild Lilac." From the islands off the coast of Southern California. The finest of all the Ceanothi. Flowers in immense trusses, deep blue. Large, handsome, bright green foliage. In gal. cans, 1½ to 2 ft. Each 50c.

C. SPINOSUS. "California Wild Lilac." Bright green stems and foliage, pale blue flowers. Especially useful for planting in dry places. In gal. cans, 1 to 1½ ft. Each 35c.


C. VERUCOSUS. "California Wild Lilac." A much branched shrub, becoming very dense. Small dark green foliage; long sprays of white flowers appearing in late winter. One of the most beautiful of our native shrubs and especially useful for planting in dry places. In pots, 1 to 1½ ft. Each 35c.


C. ODODARA. "Himalayan Cedar." 120 feet. One of the most handsome trees in cultivation, succeeding most remarkably well in California. Drooping branches of dark green foliage. Balled, 2 to 3 ft., each $1.50; 3 to 4 ft., each $2.00.

C. LIBANI. "Cedar of Lebanon." Of spreading habit. The branches growing horizontally. In "sheaths" the branches growing horizontally: of darker green than the preceding. Balled, 3 to 4 ft. Each $2.50.

CPRATONIA SILIQUA. "St. John's Bread." or "Carob Tree." A thick, compact tree with clusters of dark green dark foliage. Will grow in any soil and thrives with scarcely any water. In gal. cans, 2 to 3 ft. Each 50c.

CHAEMAPYRIS LAWSONIANA. "Lawson's Cypress." 200 feet. One of the most striking and graceful evergreens, with horizontally spreading pendulous branches, and flat, compressed foliage; unsurpassed for specimens on lawns. Balled, 2 to 3 ft., each $1.00; 3 to 4 ft., each $1.50.

CISTUS LADANIFERUS MACULATUS. "Spotted Rock Rose." A tree flowering shrub of low spreading habit. Flowers 3 to 4 inches in diameter, pure white with crimson spot at base of petals. In 4-inch pots, 1 to 1½ ft. Each 40c.

C. SALVIIFOLIUS. A low growing shrub with slender, often drooping branches; flowers white. In 4-inch pots, 1 to 1½ ft. Each 40c.

COPROSM A BAUERI. A very handsome low growing shrub. The leaves are almost round, of a clean, glossy green color and have the appearance of having been varnished. It is especially valuable for planting in small beds, around a porch or against a wall. In pots, 2 ft. Each 35c.

CORNUS CAPITATA. (Benthamia fragifera.) "Evergreen Dogwood." 15 feet. Large shrub with flowers resembling those of the Eastern Dogwood, dream-colored, changing to a reddish shade before falling. This shrub is better suited to California conditions than the eastern species and has the advantage of being an evergreen. In pots, 2 ft. Each 50c.

C. SANGUINEA. 12 feet. Deciduous shrub with blood red branches; leaves pale green, downy on both sides; flowers in clusters, greenish white. In 5-gal. cans, 3 to 4 ft. Each $1.00.

COTONEASTER FRANCHETTI. A handsome shrub with many gracefully arching branches. Foliage of medium size, distinctly downy. Flowers pink, followed by reddish yellow berries. In 3-inch pots. Each 35c.

C. FRIGIDA. A stout growing species with large foliage. Flowers white, in large clusters, followed by brilliant scarlet berries. In 3-inch pots. Each 35c.


C. MICRHYLLA. Much branched and almost prostrate. Small, dark green, glossy leaves, large red berries. Very handsome for rock work. In 3-inch pots. Each 35c.

CRAPE MYRTLE. See Lagerstroemia.

CRATEAGUS PYRACANTHA. "Evergreen Thorn," or "Burning Bush." 10 feet. A thorny, thick-growing, evergreen shrub, with small dark green leaves and white flowers, followed by masses of deep orange-red berries which are particularly attractive, remaining on the plant all winter. In pots, 1½ ft. Each 35c.

CUPRESSUS ARIZONICA. "Arizona Blue Cypress." 70 feet. A tree of great scenic value, and without doubt the most silvery of all cypress. It grows quite rapidly and forms a perfect tree, thriving in almost any soil, standing intense heat and much frost. In pots, 3 to 4 ft. Each 50c.
C. GOVENIANA, "Govens Dwarf Cypress." A native species of erect growth, forming a handsome crown; rich dark green foliage. In pots, $ to $2.50 ft. Each 60c.

C. MACROCARPA, "Monterey Cypress." 70 ft. A native tree, extensively planted for hedges and equally valuable for single specimens. The tree becomes very picturesque in old age. In flats of 100 plants, per flat, $1.50. Gal. cans, 3 to 4 ft. Each 55c.

C. SEMPERVIRENS, VAR. FASTIGIATA, "Italian Cypress." 75 ft. A tall, tapering tree with erect branches, growing close and parallel with the trunk. Largely used in formal gardens. Balled, 4 ft., each $1.00; 6 ft., each $1.50.

DIOSMA ERYCODIDES. (D. alba.) "Breath of Heaven." A favorite shrub of small size, with fine, heat-like, fragrant foliage and quantities of small white flowers. In 4-inch pots, 1½ to 2 ft. Each 40c.

DURANTA PLUMIERI. "Golden Dew Drop." A beautiful shrub with light green foliage and large clusters of pale blue flowers, followed by bright yellow berries. In pots. Each 50c.

ERICA MEDITERRANEAE, "Mediterranean Heath." 4 feet. A densely branching shrub of globular shape, with small dark green foliage. In late winter and spring the plants are a perfect mass of small pink blossoms. The best of the Heaths for California. In 4-inch pots, 1½ to 2 ft. Each 60c.

E. CORYNOCALYX. "Sugar Gum." One of the best for planting on dry hillsides. In pots, 2 to 3½ ft., each 15c; in flats of 100 plants, per 100, $2.00. Larger quantities, prices on application.

E. FICIFOLIA. "Scarlet-flowering Gum." 30 ft. A very ornamental species, with large, erect, very long and immene clusters of large, bright crimson flowers. In gal. cans, 3 ft., each 75c; 4 to 5 ft., each $1.00.

E. GLOBULUS, "Blue Gum." A well known tree. In pots, 2 to 3 ft. Each 15c. In flats of 100 plants, per 100, $1.50; per 1000, $12.00. Larger quantities, prices on application.

E. POLYANTHEMA. "Red Box." One of the most ornamental species and valuable for roadside planting. In pots, 2 to 3 ft. Each 35c.

E. PULVERULenta. A small tree of handsome appearance. On account of its small, distinctly blue foliage it is particularly desirable for ornamental purposes. In pots, 1½ to 2½ ft., each 15c, per 100, $10.00.

E. RESINIFERA. "Red Mahogany." One of the best for timber purposes. In pots, 1 to 1½ ft. Each 20c.

E. ROSTRATA. "Red Gum." One of the best for timber purposes. In pots, 3 to 4 ft. Each 5c. In flats of 100 plants, per 100, $1.50; per 1000, $12.00. Larger quantities, prices on application.

E. RUDUS, One of the best for street planting. Large ly planted in irrigated sections on the deserts. In pots, 2½ to 3 ft., each 15c; per 100, $7.00. In flats of 100 plants, per 100, $2.00.

E. SIDEROXYLON. "Red Ironbark." A handsome tree with drooping branches and silvery leaves. In pots, 1 to 1½ ft. Each 15c.

E. TERETICORNIS. "Forest Red Gum." The most valuable for timber purposes. In flats of 100 plants, per 100, $1.50; per 1000, $12.00. Larger quantities, prices on application.

E. VIMINALS. "Manna Gum." An exceedingly handsome tree with long pendulous branches, one of the most picturesque for avenue planting. In pots, 3 to 5 ft., each 20c. In flats of 100 plants, per 100, $2.00.

For full description of the above Eucalyptus trees see pages 45 to 46.

EUGENIA MIRTIFOLIA. "Australian Brush Cherry." A pretty shrub or small tree. It has small, clean, bright glossy-green foliage, the young growth often of a reddish color. It is of compact growth, suitable for shrubberies or hedges, or can be trimmed up as a small tree. In pots, 1½ to 2 ft. Each 50c.

EUONYMUS JAPONICUS. 15 feet. A beautiful ever green shrub of upright, rather dense growth, of dark, glossy green foliage. Balled, 1 to 1½ ft. Each 50c.

E. JAPONICUS AUREO-VARIEGATUS. Same as the preceding, but with beautifully yellow and green variegated foliage. In 5-gal. cans, 2 to 2½ ft. Each $1.00.

FICUS AUSTRALIS. "Australian Banyan Tree." A handsome tree with large, glossy foliage, suitable for planting in large lawns. In pots, 2 to 3 ft., each $1.00; 4 to 5 ft., each $2.00.

F. ELASTICA. "India Rubber Tree." A splendid decorative tree, with immense thick glossy green leaves. It is generally grown as a potted plant, and used for inside decoration. It may be planted out in frostless situations and will grow into a large, extremely beautiful tree. In pots, 1½ to 2 ft. Each $1.50.

F. MACROPHYLLA. "Moreton Bay Fig." A magnificent tree forming a large, compact, spreading head. Very effective for planting in large grounds. Leaves large, bright, glossy-green. In pots, 4 to 5 ft. Each 50c.

FRAXINUS VELOUTINA, "Arizona Ash." A deciduous tree, largely planted in Arizona and New Mexico for shade purposes, and is of great value in this region for its rapid growth, standing both heat and drought remarkably well. Bare roots, 6 to 8 ft. Each 75c.

GENISTA CANARIENSIS. A pretty shrub, very effective for planting in groups, being covered in spring with bright yellow flowers. In gal. cans, 2 to 3 ft. Each 50c.

G. LONOSPERMA PENDULUM. "Fridal Veil." 10 feet. A rare and handsome shrub with fine, drooping, silvery branches. The flowers are white and produced in immense numbers. In 4-inch pots, 1½ to 2 ft. Each 60c.
Theodore Payne, Seedsman and Nurseryman

GREVILLEA ROBUSTA. "Silky Oak." 150 feet. A large tree with pretty fern-like foliage, covered late in spring with orange-colored flowers which are a great source of honey for bees; does well in all parts of California and is one of the most stately trees for avenue planting. Thrives with hardly any care. In gal. cans, 2 to 3 ft. Each 40c.

G. THELEMANIANA. A beautiful shrub, especially valuable for planting in dry places. It has pretty feathered foliage and produces a great profusion of bright scarlet flowers. In pots, 2 ft. Each 50c.

HAKEA ELLIPTICA. A shrub of rather compact habit, growing to a height of 8 or 10 feet. The older leaves are palmate, young shoots have leaves with a bronze or rusty appearance. Very ornamental for lawn or shrubbery planting. In pots, 2 ft. Each 50c.

H. LAURINA. (H. eucalyptoides). 10 feet. A winter blooming shrub, with foliage similar to the Blackwood Acacia, bearing curious, globose heads of red flowers with white stigmas. In 4-inch pots, 2 ft. Each 50c.

H. SALIGNA. Of similar habit to the preceding, but has narrower leaves and white flowers. In 4-inch pots, 2 ft. Each 50c.

HETEROMELES ARBITIFOLIA. "California Holly," or "Christmas Berry." 10 feet. A native California shrub, found plentifully in all our foothills. Very desirable on account of its handsome foliage as also for its bright colored berries. In pots, 10 to 12 inches. Each 35c.

HIBISCUS SINENSIS. A favorite shrub with bristly green foliage and large, showy flowers. Single red or double red. In pots, 1 to 1 1/2 ft. Each 50c.

HYDRANGEA HORTENSIS. A well-known deciduous shrub, with large leaves and immense heads of pink flowers. Valuable for small beds around a porch or against a wall. Very attractive in flower nearly all summer. In pots. 1 to 1 1/2 ft. Each 50c.

HYPERICUM FLORIBUNDUM. A pretty shrub with small foliage and large clusters of bright yellow blossoms. In pots, 1 1/2 to 2 ft. Each 60c.

H. MOSERIANUM. A low growing shrub, producing quantities of large, single, bright yellow flowers with numerous long, showy stamens. Excellent for massing, flowering almost continuously. In 4-inch pots, 1 1/2 to 2 ft. Each 40c.

JACARANDA MIMOSAEFFL. (J. ovalifolia). 30 feet. One of the finest of our flowering trees, literally covered with its lovely, purple, star-shaped blossoms. In pots. 1 1/2 to 2 ft. Each 60c.

LAGERSTROEMIA INDICA ROSEA. "Pink Crane Myrtle." A well-known deciduous shrub, producing an abundance of showy pink flowers. In pots. Each 60c.

LAGUNARIA PATTERSONI. 20 feet. A small pyramidal tree with ovate leaves, whitish underleaf—foliage hanging like Hibiscus, pale rose color. In gal. cans, 3 to 4 ft. Each 75c.

LAURESTINUS. See Viburnum.

LEPTOSPERMUM LAEVIGATUM. This beautiful shrub does particularly well in California and is very valuable for planting in masses, and for filling up odd corners. It grows rapidly and in the spring is laden with a profusion of white blossoms. In gal. cans, 2 to 3 ft. Each 40c.

LIBOCEDRUS DECURRENS. "Incense Cedar." 100 feet. A native California tree, thriving well under cultivation. It forms a very handsome, compact growth tree, with cinnamon red bark and bright green foliage. Glaucescent underneath. Balled, 3 to 4 ft. Each $1.50.

LIGUSTRUM JAPONICUM. "Japanese Privet." 20 feet. A large shrub or small tree, with glossy, dark green, leathery evergreen leaves, used for hedges and streets trimming well. In flats of 100 plants, per 100, $3.50.

L. NEPALENSIS. "Small Leaved Privet." 10 feet. Much used for hedges in Southern California. It grows quickly and can be trimmed in any way desired, making a dense, thick hedge. Leaves small, light green, flowers white, in large sprays. In flats of 100 plants per 100, $3.50.


MAGNOLIA GRANDIFLORA. 80 feet. One of the finest of American evergreen trees. The leaves are thick, bright green and rusty on the under side; flowers large, waxy and fragrant. In gal. cans, 1 to 2 ft., each 50c; 3 to 4 ft., each $1.00.

MELALEUCA ERICIFOLIA. "Bottle Brush." A large shrub with small, narrow leaves and spikes of yellowish-white, brush-like flowers. In pots, 1 1/2 to 2 ft. Each 50c.

M. HYPERICIFOLIA. "Bottle Brush." A tall shrub with pretty, bright green, opposite leaves, and produces large spikes of rich red flowers. In pots, 1 1/2 to 2 ft. Each 50c.

MELIA AZEDARACH UMBRACULIFORMIS. "Texas Umbrella Tree." A well-known deciduous tree. The branches are erect and in a manner radiating from the trunk and with drooping foliage give it the appearance of a gigantic umbrella. It is a handsome shade tree and will stand a great amount of horse traffic. Bare roots, 6 to 8 ft. Each 75c.


OAK. See Quercus.

PARKINSONIA ACULEATA. Shrub or small tree, 15 to 25 feet. It has thorny, drooping branches, with large, feathery foliage and showy yellow flowers. In gal. cans, 2 to 3 ft. Each 50c.

PEPPER TREE. See Schinus.

PICUNIA DIOSA. One of the most rapid growing trees known, with large, bright green foliage. Trees have been known to form a trunk 1 1/2 feet in diameter in three years. Valuable for planting to produce quick shade. In gal. cans. Each 25c.

PINUS CANARIENSIS. "Blue Pine." 80 feet. A beautiful tree with long pendant needles of a glaucous blue color. It is of rapid growth, stands drough well and is one of the best pines for Southern California. It has the peculiarity of sprouting from the stump when cut down or even burned off, which is a valuable feature in the reforesting of our mountains. In gal. cans, 2 to 3 ft. Each 50c.

P. COULTERI. "Big Cone Pine." 80 feet. A native species from San Bernardino and San Jacinto Mountains at an elevation of 4500 to 7000 feet, but, unlike most of our native pines at high altitudes, it succeeds well under cultivation in the valleys. It has rough bark, the needles are in clusters of threes, stiff and erect, and of dark blue-green color. Balled, 2 to 3 ft. Each $1.25.

P. HALEPENSIS. "Aloepo Pine." Western Asia. 60 feet. A tree of rapid growth and spreading habit, with light yellowish-green foliage. It thrives well in California, and is a valuable ornamental tree. Balled, 3 to 4 ft. each $1.00; 4 to 5 ft. each $1.50.

P. INSIGNIS. (P. radiata.) "Monterey Pine." 100 feet. A well known native species of rapid growth, succeeding best near the coast. Balled, 3 to 4 ft. Each 75c.

Magnolia grandiflora
P. PINEA. "Italian Stone Pine." 60 feet. A very picturesque tree; branches spreading and usually confined to the top of the tree. In pots, 3 ft. Each 50c.

P. TORREYANA. "Torrey Pine." A native pine found on the bluffs at Del Mar, in San Diego County; a rather small tree of spreading habit, needles long and five in a cluster; succeeds well under cultivation. In gal. cans, 2 to 4 ft. Each 75c.

PITTOSPORUM EUGENIOIDES. 20 feet. A handsome shrub of upright growth, with light green leaves and dark stems. Very pretty for hedges as well as single specimen plants. In pots, 1½ to 2 ft. Each 50c.

P. RHOMBIFOLIUM. A beautiful tree and highly recommended for street planting. It is of compact growth and the foliage is of a bright, rich green. It bears large umbels of white, fragrant flowers, followed by orange-colored berries in the fall of the year. In pots, 1½ to 2 ft. Each 50c.

P. TOHIRA. A handsome shrub, with dark green, shiny leaves and numerous white, fragrant flowers. In pots, 1½ to 2 ft. Each 40c.

P. UNDULATUM. A shrub or small tree, with large lance-shaped, deep green, glossy leaves and white, fragrant flowers. It makes a splendid hedge and is very handsome as a single specimen plant; also suitable for street trees. In pots, 1 ft. each 25c; 3 ft. each 50c.

Platanus orientalis

PLATANUS ORIENTALIS. "European Sycamore." "Oriental Plane." A deciduous tree of great beauty. Leaves bright green, deeply cut. It thrives well in California and is valuable for park and avenue planting. Bare roots, 4 to 6 ft. each 50c; 6 to 8 ft. 75c.

P. RACEMOSA. "California Sycamore." A well known native deciduous tree. In cans, 1½ to 2 ft. 25c.

PRIVET. See Ligustrum.

PRUNUS CAROLINIANA. "Carolina Cherry." A large shrub or small tree of pyramidal growth, pretty, glossy green leaves and white flowers. Makes a splendid street tree. In pots, 2½ ft. Each 60c.

P. ILICIFOLIA. "California Mountain Cherry." A handsome shrub found in most of our foothills. It has pretty, holly-like foliage and small white flowers; very fine for single specimens and also makes a splendid hedge. In gal. cans, ½ to 2 ft. Each 35c.

P. INTEGRIFOLIA. "Catalina Cherry." From Catalina Island. A tree of great beauty, leaves large, oval, rich, glossy green; very pretty as single specimens or as a street tree. In pots, 1 ft. each 25c; 3 ft. each $1.00.

QUERCUS AGRIFOLIA. "Live Oak." A native tree, probably familiar to everyone in California. Of large spreading habit, widely used for street, yard and parkage. In gal. cans, 2 to 3 ft. each 50c; 3 to 4 ft. each 75c; 4 to 5 ft. each $1.25. In 5-gal. cans, 6 to 7 ft. each $2.00. Extra large plants in boxes, 10 ft. each $7.50.

Q. CHRYSOPELIS. "Golden Cup," or "Canyon Oak." Found in many of our coastal mountain ranges, and is one of the very best trees for planting along country road sides. In gal. cans, 1½ to 2 ft. each 40c; 2 to 3 ft. each 50c; 3 to 4 ft. each 60c. Special prices quoted on large quantities. See Illustration on back cover of catalogue.

SCHNURS MOLLE. "Pepper Tree." 50 feet. The most graceful of our cultivated trees, with its long branches of finely cut, delicate green leaves and coral red berries. It is the admiration of every tourist who visits our state. In gal. cans, 3½ to 4 ft. Each 50c.

SEQUOIA GIGANTEA. "California Big Tree." 300 feet. A magnificent tree of perfect pyramidal form. Foliage rich bluish green. Balled, 2 to 3 ft., $5.00.

S. SEPTEMBERINA. "California Redwood." 300 feet. Of rapid growth; a splendid ornamental tree in pleasing, well kept condition in all parts of the state. Leaves dark green, paler underneath. Balled, 3 to 4 ft., $1.00.

SPARTIUM JUNCEUM. "Spanish Dune." 10 feet. A quick growing shrub, of upright habit. Large, yellow, pea-shaped flowers in profusion on round, leafless branches. In pots, 1 to 2 ft. Each 25c.

S. THUYA ACERIFOLIA. (Brachychiton acerifolium.) "Flame Tree." 30 feet. A tree of rather stately habit, with deeply lobed, maple-like leaves; produces scarlet flowers in clusters, which stand well above the foliage. In pots, 1½ to 2 ft. 50c.

S. DIVERSIFOLIA. "Victorian Bottle Tree." 60 feet. Of compact pyramidal growth; leaves bright, glossy green and of many different shapes. Thrives with a small amount of water, and has been largely planted as a street tree. Bare roots, 3 to 4 ft. each 50c; 4 to 5 ft. each 75c.

STREPTOSOLON JAMESONII. A small shrub, particularly valuable for planting in dry, sunny situations. It blooms for a long period and produces immense quantities of yellow and orange colored flowers. In gal. cans, 1½ ft. Each 50c.

THEJA ORIENTALIS. (Biotia orientalis.) "Chinese Arborvita." 35 feet. A small thick growing pyramidal tree. Bright green foliage turning bronze or brown in the winter. Desirable as single specimen trees or for hedges. Balled, 3 to 4 ft. Each $1.50.

T. ORIENTALIS AUREA. "Golden Arborvita." 10 feet. A form of the preceding; the foliage assumes a golden tint in the spring; very regular and compact in growth. Balled, 1½ to 2 ft. Each $1.50.


T. HOVEYI PYRAMIDALIS. A pyramidal form of the preceding. Balled, 2 to 3 ft. Each $1.00.

UMBELLILLA CALIFORNICA. (Oregano californicum.) "California Laurel," or "Bay," 80 feet. Found growing near streams in many of our canyons, where it forms a large shrub or small tree. Farther north, however, it reaches a height of 80 feet or more. Under cultivation it grows rapidly and forms a well-shaped, compact tree suitable for lawns or for avenues. Handsome, shining green foliage. In pots, 8 to 10 inches. Each 25c.

UMBRELLA TREE. See Folia.

VIBURNUM TINUS. "Laureustinus." 12 feet. A well-known shrub with showy umbels of white flowers blooming profusely in the winter. Makes a splendid hedge. In pots, 1 ft., each 25c; 2 to 3 ft. $1.00.

California Native Trees and Shrubs. I make a specialty of growing native trees and shrubs and have a large assortment in my nursery. Several species are included in the foregoing pages, but for a complete list write for separate price list of California native plants.
Palms and Decorative Plants

ASPARAGUS PLUMOSUS. "Asparagus Fern." A favorite climbing vine, suitable for shady locations. Also grown as a pot plant. In 4-inch pots, each 25c; in 5-inch pots, each 50c.

A. SPRENGERI. A favorite plant for hanging baskets. In 4-inch pots, each 25c; in 5-inch pots, each 50c; in hanging baskets, each $2.00 to $3.00.

DORYANTHES PALMERI. A valuable decorative plant from Australia. The plants throw up numerous leaves 5 to 7 feet long, and flower stems 8 to 10 feet high, each bearing a large thyrsus of deep scarlet flowers. It takes the plants several years to reach the blooming stage, but the young plants are very valuable for decorative pot plants. In pots, each 75c.

Group of Palms

CHAMAEROPH EXCELSA. (Trachycarpus excelsus.) "Windmill Palm." China, Japan and India. 30 feet. One of the hardiest palms known, standing heavy winds without injury to the leaves and also several degrees of frost. The leaves are fan-shaped, finely and deeply cut. One of the best palms for street planting. Bailed, 2 to 3 ft., each $1.25; 3 to 4 ft., each $1.75.

C. HUMILIS. The Mediterranean region. 20 feet. A dwarf growing hardy species, with fan-shaped leaves, especially desirable for lawns, also for growing in tubs for porch plants. Bailed, 2 ft. Each $2.00.

COCOS AUSTRALIS. "Pindo Palm." 15 feet. A rather slow growing but very ornamental palm with glaucous green recurved leaves. One of the hardest of the genus and the one best known in California. Bailed, 2 to 3 ft. Each $2.50.

C. CAMPESTRIS. 10 to 15 feet. Leaves spreading and recurved, but slightly rigid. In 6-inch pots, 2 to 3 ft. Each $1.50.

C. PLUMOSA. Brazil. 50 feet. One of the best for street planting and largely planted in Santa Barbara. It is a rapid growing palm with slender trunk, crowned with graceful pinnate leaves. Bailed, 3 to 4 ft., each $4.00; 4 to 5 ft., each $6.00.

C. ROMANZOFFIANA. Resembling C. plumosa in appearance, but much harder. Bailed, 3 to 4 ft., each $4.00; 4 to 5 ft., each $5.00.

DRACAENA AUSTRALIS. (Cordyline australis.) New Zealand. 30 feet. A popular plant for pot culture, also for lawns and street planting. Forms a stout branched stem with broad leaves 2 to 3 feet long. In pots, 2 ft., each 75c. Bailed, 3 to 4 ft., each $2.00.

D. INDIVISA. (Cordyline indivisa.) New Zealand. 30 feet. Grows much more rapidly than the preceding, with long, narrow leaves and slender stems. Bailed, 2 to 3 ft., each $1.25; 3 to 4 ft., each $2.00.


E. EDULIS. "Guadalupe Palm." Guadalupe Island, 30 feet. A rapid growing Fan Palm of great beauty. Leaves deep green and without any threads. In 5-gal cans, 3 to 4 ft. Each $2.50.

PHOENIX CANARIENSIS. "Canary Island Palm." Without doubt the most popular in California and one of the most graceful of our hardy palms. Leaves pinnate and of a deep dark green color. Very effective for lawns and grounds. In gal. cans, 1½ to 2 ft., each $1.00; in 5-gal. cans, 2 to 3 ft., each $1.25; 3 to 4 ft., each $2.00; 4 to 5 ft., each $3.00.

P. RECLINATA. South Africa. 12 to 20 feet. Of slender, graceful habit. Pinnate leaves beautifully arched, usually hanging edgeways. A fine palm for avenue planting or for single specimens on lawns. In 5-gal. cans, 2 to 3 ft. Each $5.00.

P. ROEBELI. Siam. A beautiful little species growing only a few feet high with finely cut leaves, especially valuable for growing as a pot plant. In pots, specimen plants, from $2.50 to $10.00.

STRELITZIA NIGRICANS. South Africa. 15 to 20 feet. A rare species with large flowery of grotesque form, white and blue. Forms a heavy stem and large, broad leaves. In pots, 2 to 2½ feet. Each $5.00.


W. ROBUSTA. (W. gracilis.) 100 feet. Of more slender growth than the preceding and more graceful in general appearance. The leaves are brighter green and with less filaments. This is the palm now so largely used for street planting. Bailed, 3 to 4 ft. Each $1.50.
FRUIT TREES AND GRAPE VINES

ALMONDS
Price, each 35c; 10 for $3.25.

J. X. L. This variety is highly recommended by those
who have grown it. It bears regularly and heavily.
The nuts are large and shell easily, no machine be-
ing needed, nor is it necessary to bleach them. The
nuts are used for eating fresh and for seed.
NE PLUS ULTRA. A rapid grower and heavy and
regular bearer. The nuts are large, very long and
soft shelled.

APPLES
Price, each 35c; 10 for $3.00.

Baldwin. Bright red, large; flesh rich, crisp and
juicy. It is a vigorous grower, and very produc-
tive. One of the best winter varieties. November
To February.

Jonathan. Yellow and red, of medium size; flesh
rich, tender and juicy. Very productive and a good
winter variety. November to December.

Red Astrachan. Large, deep crimson, rich acid
flavor. July.

Bunches: $1.00.

CHERRIES
Price, each 35c; 10 for $3.25.

Black Tartarian. Very large, purplish black;
fllesh juicy, rich and delicious. The best black
tartarian variety. June.

Napoleon Bigarreau. (Royal Ann.) Large, pale
yellow, richly dotted with deep red and with a
bright red cheek; flesh sweet and juicy. A good bear.

FIGS
Price, each 35c; 10 for $3.00.

Black California. (Mission.) Large dark pur-
ple. A good grower and bearer. The large black
fig so common in California.

Kadota. A white fig of medium size, rich flavor
and one of the best for table use. It is very prolific
and the trees bear when quite young.

White Adriatic. Large, skin greenish yellow, pulp
red. Extensively planted for drying purposes.

APRICOTS
Price, each 35c; 10 for $3.25.

Blenheim. Large, oval, deep yellow, flesh yellow,
sweet and juicy. Regular and heavy bearer, in great
demand for canning and drying.

Hemskirke. Large, roundish, somewhat flattened
on both sides; flesh bright orange, of fine flavor.
This variety strongly resembles the Moorpark, but
is a more regular bearer and ripens earlier.

Royal. Medium size, oval, dull yellow, bushed with
red. A standard variety. It is a favorite sort for
canning and drying; succeeds well in all parts of the
state and is more extensively planted than any other
variety.

GRAPES
Price, each 10c; per doz. $1.00.

Black Hamburg. Very large bunches; fruits round
and large; flesh sweet and juicy. A fine table
grape.

Black Morrocco. Bunches of medium size; fruits
oval, very large, dark red, turning black when fully
ripe; flesh sweet and juicy; ripens late and keeps
well. A good shipper.

Concord. Bunches large and compact; fruits large,
round and sweet.

Curnichon, Black. Long, loose bunches; fruits
oval, tapering at both ends; flesh firm and of fine
flavor; ripens late and is a splendid sort for ship-
ning.

Flame Tokay. Bunches very large; fruits large,
pale red covered with bloom; flesh firm and sweet.
An old and popular sort; largely planted for table
grapes.

Emperor. Bunches very large; fruits large, oblong,
deep rose colored. One of the best late varieties for
the market. A strong grower and heavy bearer.

Malaga. Very large bunches, often weighing 10
pounds; fruits very large, oval, yellowish green. A
good shipping variety, commanding a high price in
the eastern markets. The vine is a strong grower
and very productive.

Mission. Bunches shouldered; fruits round, medium
sized, purplish black and sweet.

Muscat of Alexandria. Bunches long and loose
shouldered; fruits oval, yellowish green, rich fla-
avored. Very largely grown for raisins.

Rosa of Peru. Large bunches; fruits large and
round, flesh firm. A good market variety. Vine a
strong grower.

Thompson's Seedless. Bunches very large; fruits
greenish yellow, oval, firm and seedless. A rapid
grower and enormous bearer.

White Winter Pearmain Apple.

Black California (Mission) Fig
LEMONS
EUREKA. Medium size; a good keeper; the best for general use. Each $1.00.

LOQUATS
ADVANCE. Large pear-shaped, borne in large clusters; flavor distinct and sweet. Each $2.00.

SEEDLINGS. 4 to 6 feet. Each $1.50.

NECTARINES
Price, each 35c; 10 for $3.25.

STANWICK. Large, pale greenish white, shaded with rich violet; flesh white, rich and juicy. Each $1.00.

OLIVES
Price, 3 to 4 ft., each 75c; 4 to 6 ft., each $1.00.

MANZANILLO. Large, purplish black, with light colored specks. One of the best commercial varieties, both for pickling and oil.

MISSION. Medium size; desirable for pickling, either green or ripe; also a good variety for oil. An old standard variety introduced by the Spanish padres and now grown here probably more than any other sort.

ORANGES
MEDITERRANEAN SWEET. Medium size, ripens late. Tree thornless and a good bearer. Each $2.00.

POMELO OR GRAPE FRUIT

SAUCER. Small, flattened at both ends, white with red cheek, flesh white, delicious flavor. One of the best for home use.

PHILLIP'S CLING. Large, round, yellow, with slight blush on the sunny side. Flesh firm, clear yellow. A favorite for canning.

TUSCAN CLING. Large, yellow, with red on the sunny side; yellow, clear yellow. Bears heavily and ripens early; one of the best for canning.

PEARS

Price, each 35c; 10 for $3.25.

BARTLETT. Large, clear, lemon-yellow with soft bluish; flesh white, juicy and rich. The most popular variety.

SECKEL. Small, brownish green with russet-brown cheek. For rich flavor it has no equal.

WINTER NELIS. Medium size, yellowish green, dotted with gray russet; flesh yellowish white, rich and juicy. Especially adapted to a dry, warm climate; a regular bearer, good shipper and keeper.

PERSIMMONS

TANGE-NASHI. Very large; light yellow, changing to red, when fully matured; flesh yellow, seedless, very fine quality; must be fully ripened before eating. The tree is a vigorous grower and a good bearer. Each 35c.

POMEGRANATES

SWEET FRUITED. Fruit large and very sweet. Each 50c.

PLUMS

BURBANK. Large, red with lilac bloom; flesh deep yellow, very sweet. A strong, vigorous grower; often commences bearing when 2 years old.

KELSEY JAPAN. Very large; green, changing to rich yellow, shaded with bluish when ripe and covered with bloom; flesh yellow, firm and sweet; a good bearer. July to October.

SANTA ROSA. Large, oval, purplish crimson with light blue bloom. Flesh pale amber near the stone, shading to deep, purplish crimson near the skin. Good bearer; valuable for both shipping and home use. For beauty and quality of fruit it is unsurpassed. Early July.

SATSUMA. "Blood Plum." Large, globular, dark red with thin lilac bloom; flesh dark red, firm and juicy. July.

WICKSON. Very large, deep cherry red, changing to rich claret color; flesh amber, rich and juicy. This variety was originated by Mr. Luther Burbank and is a cross between Satsuma and Kelsey Japan, and is considered by him one of the best of the Japan plums.

PRUNES

Price, each 35c; 10 for $3.00.

FRENCH PRUNE. Medium size, violet purple; rich and sugary. A standard variety for drying.

TRAGEDY. Medium size, dark purple; flesh greenish yellow, rich and sweet.

QUINCE

ORANGE. (Apple.) Large, golden yellow; fine for preserving; a good bearer. September. Each 35c.

WALNUT

SANTA BARBARA SOFT SHELL. Nut large, shell thin, kernel white, full and sweet. A favorite variety. Seedling trees, 3 to 4 ft., each 35c; 4 to 6 ft., each 50c; 7 to 8 ft., each 75c.

FRANQUETTE. A French variety now in great demand in California. Blooms after danger of frost is over. Nuts very large and well filled. Trees grafted on California Black Walnut root, 3 to 4 ft., each 75c; 4 to 6 ft., each $1.00; 6 to 8 ft., each $1.50. WALNUTS PLANTED PERFECTION. The standard variety in Southern California. Nuts large, full, white meat, extra fine quality. Trees grafted on California Black Walnut root, 4 to 5 ft., each 75c; 5 to 6 ft., each $1.00.
SMALL FRUITS

BLACKBERRIES
CRANDELL'S EARLY. Large, firm; rich flavor; very early; bears through the entire blackberry season. Per doz. 50c, per 100 $2.00.

MAMMOTH. A cross between the Wild Blackberry of California and Crandell's Early. The canes are very large and of vigorous growth, often growing 20 feet in one season. It bears very early and is exceedingly productive. The fruit is very large, often 3/4 inches long, and of delicious flavor. Per doz. $1.00.

HIMALAYA GIANT. Introduced some years ago from the Himalaya mountains. It is of remarkably rapid growth, the canes sometimes reaching 40 feet in one season. The plants should be trained over a trellis and carefully pruned during the winter. It is a heavy bearer and the berries are large with few seeds and stand shipping well. Per doz. $1.00.

CURRANTS
FAY'S PROLIFIC. Large, deep red; a standard sort. Each 15c, per doz. $1.50.

WHITE GRAPE. Large, yellowish white; the best of the white varieties. Each 15c, per doz. $1.50.

DEWBERRIES
GARDENA. Large, glossy black; rich flavor, good bearer. Per doz. 50c, per 100 $2.00.

FEIJOA SELLOWIANA OR PINEAPPLE GUAVA
Fruit delicious, mingling the flavor of the pineapple, raspberry and banana, and so aromatic that a few of them will impart a pleasing fragrance in a room. It is somewhat acid and has good cooking qualities. Size about that of an English walnut. Besides being valued for its fruit, it is an ornamental, glaucous-leaved evergreen shrub and very beautiful when in flower. The blossoms have heavy, waxy petals, pure white beneath and shaded to a purplish crimson on the upper side, well meriting a place in the garden for its flowers alone. Each 50c to 75c.

GOOSEBERRIES
OREGON CHAMPION. Very large; brownish-red, very sweet and one of the best for table use and for pies; a strong grower and good bearer. Each 25c, per 50c $2.00.

HOUGHTON. Medium size, pale red, very sweet; enormously productive. Each 25c, per doz. $2.00.

GUAVA

STRAWBERRY. Fruit round, deep claret color, of strawberry flavor. Much used for jellies and preserves; also good for eating in the fresh state. In pots, each 25c to 50c.

LEMON. Fruit yellow, pear-shaped; valuable for jellies and preserves. In pots. Each 25c to 50c.

LOGAN BERRY

LOGAN BERRY. A hybrid between the raspberry and blackberry. Fruit dark red, often 3/4 inches long and produced in immense clusters. In flavor it partakes of both the raspberry and blackberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Excellent for the table, jams or jellies. Per doz. 50c, per 100 $3.00.

RASPBERRIES

CALIFORNIA SURPRISE. The best red raspberry. It begins to ripen in April and continues through the entire berry season. Prolific and of good quality. Per doz. 50c, per 100 $2.00.

BRANDYWINE. Large, roundish, conical; bright red; flesh firm and of rich flavor. A popular medium to late variety. Per 100 50c, per 1000 $4.00.

A-1. Large, dark red. A continuous and heavy bearer. Per 100 50c, per 1000 $4.00.

KLONKYKE. Very uniform, rich blood red, juicy and of delicious flavor; medium early. This variety is of recent introduction and is becoming very popular here. Per 100 50c, per 1000 $4.00.

Special Prices on Large Quantities of Fruit Trees
Avocado or Alligator Pear

The coming Tropical Fruit for Southern California, destined to become the most profitable of all the orchard crops

Avocado. (Persea gratissima.) "Alligator Pear." "Aquacate." This splendid tropical fruit has attracted much attention of late in Southern California since it has been found that it can be grown successfully in sections where the orange and lemon thrive. It will, no doubt, be planted on a large scale, and become one of the best paying orchard crops. The trees now bearing have yielded high returns, many of them netting the owner from $100 to $200 per tree, and in one case $400 for one season's crop. It is the most wholesome and nutritious of all fruits, and in countries where grown extensively is a staple article of food. On account of the limited number of trees now bearing in California the fruit commands a very high price, good specimens selling as high as 75c each, and consequently only enjoyed by the more wealthy classes. Being as easy to grow as other fruit crops it will without doubt be planted on a large scale, the prices of the fruit will necessarily be lower but will be within the reach of everyone, and it will become a staple article of food. As the fruit stands shipping well the market is almost unlimited, and it is destined to become one of the best paying fruit crops for Southern California. The tree is of rapid growth, and particularly handsome with large, deep green leaves. It succeeds best in a deep loamy soil and attains a height of from 20 to 40 feet.

Budded Trees

Ganter. Fruit oval to oblong, thick skin of greenish color; of good quality and fine flavor. The fruits weigh from 8 to 10 ounces each. The tree is a vigorous grower and a prolific bearer. Ripens September to December. Bailed or boxed, 2 to 3 feet, each $4.00; 4 to 5 feet, each $5.00.

Harmon. This is one of the hardiest varieties and is highly recommended for the home garden, especially in sections subject to frost. The fruit is smooth, light glossy-green washed with reddish purple and with large yellow dots; flesh greenish-yellow and of a rich nutty flavor. Ripens in October and November. Bailed or boxed, 2 to 3 feet, each $3.00; 4 to 5 feet, each $4.00.

Northrup. Fruit pear-shaped, of medium size; weight 7 to 9 ounces. Flesh of fine texture, good quality and flavor. Thin skin of a purplish color. The main crop is produced from October to December. The trees also produce a second and lighter crop from April to June. The hardiest variety grown. Bailed or boxed, 2 to 3 feet, each $3.00; 4 to 5 feet, each $4.00.

Taft. Considered by many the best Avocado yet introduced. Fruit pear-shaped, weighing about 1 pound. Flesh fine grained and of a remarkably rich nutty flavor. The tree is of vigorous growth with a large spreading top and is a good bearer. Ripens June to August. Bailed or boxed, 2 to 3 feet, each $4.00; 4 to 5 feet, each $5.00.

Seedling Trees

Seedlings. Raised from seed of the ordinary small fruited types. In pots 1 to 1½ feet. Each 50c; 100, $4.00.

Selected Seedlings. Raised from seed taken from very large imported fruit. Boxed, 2 to 3 feet. Each $1.00.
THE CORK OAK
(Quercus suber)

The tree that yields the cork of commerce. The above illustration is of a fine specimen growing in Southern California. This oak succeeds better under varying conditions of climate and soil than any other species. Being of rapid growth, of handsome appearance with rounded head, it is one of the most desirable of all trees for parks and street planting in California, while as a country roadside tree it has no superior. I have a large stock of well grown trees. In gallon cans, 1½ to 2 ft., each 40c; 2 to 3 ft., each 50c; 3 to 4 ft., each 60c. Special prices quoted on large quantities.