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Payne's Garden Guide

Seeds, Plants and Trees

1928

25th Annual Catalog of
Seeds • Plants
Shrubs • Trees

with cultural directions
for the planting and care
Observe when Ordering

**Seeds**

All prices quoted on flower, tree, palm and vegetable seeds are post-paid anywhere in the United States, unless otherwise noted. Add 14c per pound for foreign orders.

**Plants and Bare Root Stock**

All prices quoted on Roses, Flowering Plants, Small Fruits, Grape Vines and Hedge or Border Plants do not include postage or express. If requested sent via parcel post, add packing charge of 15% of the total of the order and also add postage as follows:

- Within 150 miles of Los Angeles add 5c to every dollar of your purchase
- Within 600 miles of Los Angeles add 10c to every dollar of your purchase
- Within 1800 miles of Los Angeles add 15c to every dollar of your purchase
- Over 1800 miles of Los Angeles add 20c to every dollar of your purchase

**NOTE**—It is impractical to give definite information on parcel post rates. The above rates will cover most orders; charges or refunds will be made in exceptional cases.

If requested sent by express, add packing charge only. We advise express shipments on bare root stock whenever possible. We do not ship plant orders of less than one dollar.

**Trees and Shrubs**

All prices quoted on Deciduous and Citrus Fruit Trees, Ornamental Trees, Shrub and Vines are F.O.B. Los Angeles, and can be sent only by express or freight. Add 15% of the total amount of the order for packing charges. Minimum packing charge 25c.

**Terms of Sale**

All orders must be accompanied with cash or satisfactory references. Remit all money by post office or express money order, bank draft or check, and small sums by registered letter. Postage stamps accepted in amounts up to one dollar.

All prices are subject to change without notice, and all orders accepted subject to prior sale.

Theodore Payne gives no warranty, express or implied, as to the purity, description, quality, productiveness or any other matter of any seeds, bulbs, plants or trees he sells and will not be in any way responsible for the crop.

Address all correspondence to

**Theodore Payne**

345 South Main Street
Los Angeles, Cal.

Twenty five years of responsibility in back of each order
Your Name

WRITE PlainLy. State Mrs. Mr. Or Miss

Amount Enclosed

Money Order $.
Stamps $.
Check $.
Cash $

(DO NOT WRITE IN THIS SPACE)

Amt Recd.
Date Recd.
Reg No.
Filled by.

Date Shipped.

Postoffice
County

Check x how you wish this order sent
[ ] Parcel Post
[ ] Express
[ ] Freight

PLEASE READ BEFORE ORDERING

Prices. All prices quoted on flower, tree, palm and vegetable seeds are postpaid, unless otherwise noted. If large quantities of seeds are desired, use this order sheet for your want list and we will gladly quote special prices.

Remittances. Remittance by Postal Money Order is a guarantee against loss and is preferable for mutual protection. Please use them whenever possible. Stamps are permissible for order of less than one dollar.

Non-warranty. Theodore Payne gives no warranty, express or implied, as to the purity, description, quality, productiveness or any other matter of any seeds, bulbs, plants or trees he sells and will not be in any way responsible for the crop.

Quantity

USE THIS ORDER SHEET FOR SEEDS AND SUNDRIES ONLY

<table>
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<tr>
<th>Price</th>
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Amount Carried Forward

Note — Use Order Sheet in back of book for Plants and Trees
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Amount Brought Forward

Total Amount Enclosed

We would consider it a great favor if you would give us the names and addresses of your friends whom you think would be interested in receiving a copy of our catalog.
Payne's Garden Guide
Seeds, Plants and Trees
1928

An Informative Catalog of
Flower, Vegetable, Tree and Shrub Seeds, Roses
and Flowering Plants, Vines, Ornamental
and Fruiting Shrubs and Trees

including an extensive listing of
California Native Trees, Shrubs
and Wild Flowers

THEODORE PAYNE
Seedsman, Nurseryman
Landscape Architect
345 South Main Street
VAndike 6481
LOS ANGELES, CALIFORNIA

2969-99 Los Feliz Blvd
OLympia 3609

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In considering the native plants of California one is liable to be prejudiced by reason of associating the native vegetation as seen in the wild with what one may expect in the garden. It must be remembered that every plant is a native of somewhere and many of the most commonly used and admired are the result of many years of isolation from their native environment, and that it is only within this past thirty years that any attempt was made to isolate and scientifically propagate the native plants of California. A native plant in its native environment and one that has been isolated and scientifically propagated are two distinct and hardly comparable plants, whether their nativity be China, South Africa or California. It must be readily conceded that California has a generous share of the world's plants that she can call her own and the major portion of their development for use in domestic gardens has come about within the last ten years. A comparison of a native plant in its native environment with one of nursery origin will prove enlightening and very gratifying.

The use of native trees in hillside planting eliminates the possibility pictured in the illustration. They not only live but thrive under these rigorous conditions.

The Hillside Garden

In the planning of an attractive hillside garden there are a few important considerations to be met that decide the success or failure of the ultimate effect. As a choice among the many different methods of treatment the use of California native trees, shrubbery and flowers should be the basis of all operations, as they meet the severe conditions imposed and enable the creation of a garden that combines the three essential points of beauty, adaptability and economy in maintenance.

The use of the "soft" or exotic group of plants leads in most instances to disappointment, as they are little suited for the rigorous conditions to be met and they place the owner in the uncomfortable position of caring for a family of invalid plants. The exotic or imported species will live under average hillside conditions but they have an unhappy existence both for themselves and for their owner. An unhappy plant is neither a thriving one nor is it beautiful—yet one does not like to throw away a living thing; hence the hillside garden often presents a bedraggled appearance and places the owner in an unpleasant and unprofitable position of perpetually nursing a collection of hopeless invalids.

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Bare slopes can be made most attractive by planting in harmony with existing growth, adding just enough color to relieve monotony.

It is true that, in the making of a hillside garden, a degree of success may be realized with the exotic or imported group of plants by general application of top soil from the lowlands. It is equally true that some of the hardier species of exotic plants will do well in certain portions of the hillside garden, and with these a happy combination of native and exotic can be secured if so desired. The hillside garden planted entirely to native species is not only possible but very practical, as any type of foliage, color of flower or habit of growth can be affected with equal attraction in comparison to the exotic group. The ideal arrangement is secured by the use of native plants in the poor soil or abrupt contour areas and the exotic species in the protected areas that can be easily reached and cared for, thereby enabling the gratification of individual preference for certain plants or flowers without disappointment in growth or appearance.

In the treatment of bare slopes in arid sections and the covering of slides or steep banks caused by the energetic steam shovel the native shrubbery and creepers constitute the only practical remedy. They are impervious to soil conditions, thriving in sand, shale or adobe with equal vigor and requiring neither water or care after becoming established. They blend with existing natural growth, covering in complete harmony in a few short months an area which would require years of natural growth. Features in color of foliage and flower are easily obtained to suit individual taste; hillsides, ravines or open areas whose natural growth lacks color or perspective can be interplanted with very pleasing result; bare fields can be transformed into beauty spots by sowing California wild flower seeds—all with a minimum of initial expense and practically with no maintenance cost.
Flower Garden.—If the ground has not been worked over or manured this season, the first job is to give it a thorough manure over the surface, and dig as deeply as possible. Sow acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, gaillardia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, snapdragon, Stephanotis, l.humboldtii, alstroemeria, amaryllis, asiaticum, agapanthus, lily-of-the-valley, spiraea and dielytra.

Vegetable Garden.—If the ground has not already been worked over this season, spread a good thick dressing of stable manure, and dig deeply, so as to bring up the roots of all dead perennials, and to bring to the surface the old bulbs of such hardy biennials as pinks, wallflower, and sweet pea seeds. Early cabbage plants should be put in during this month. Citrus and tropical fruits should be planted while the ground is still warm. Late cabbage and cauliflower can be transplanted outdoors in the open ground. Sow hardy annuals in the open ground. Sow acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, gaillardia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, snapdragon, Stephanotis, l.humboldtii, alstroemeria, amaryllis, asiaticum, agapanthus, lily-of-the-valley, spiraea and dielytra.

Flower Garden.—This is a good month in which to plant roses and other kinds of ornamental trees and shrubs. Sow acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, gaillardia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, snapdragon, Stephanotis, l.humboldtii, alstroemeria, amaryllis, asiaticum, agapanthus, lily-of-the-valley, spiraea and dielytra.

**FEBRUARY**

Flower Garden.—This is a good month to plant roses and other kinds of ornamental trees and shrubs. Sow acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, gaillardia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, snapdragon, Stephanotis, l.humboldtii, alstroemeria, amaryllis, asiaticum, agapanthus, lily-of-the-valley, spiraea and dielytra.

Vegetable Garden.—Sow beets, early cabbage, carrot, celery, chervil, chicory, collards, dielytra, fennel, flax, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, radish, sorrel, spinach, squash, tomato and turnip. Prepare hot beds and sow peppers and tomatoes. Plant potatoes, asparagus, horseradish and rhubarb roots also cabbage plants.

**MARCH**

Flower Garden.—Continue to plant roses and ornamental trees and shrubs. Hardy annuals as mentioned for February and the previous months may still be sown in the open ground. Sow amaranthus, aster, balsam, begonia, celosia, centaurea, cobsen, dahila, gloxinia, helianthus, heliotrope, humulus, hunnemannia, malope, mandevilla, margold, mina lobata, nasturtium, pyrethrum, salpiglossis, salvia, saponaria officinalis, and tulips. This is the last month in which to sow most kinds of tree seeds. Plant gladiolus, begonia, tuberose and dahlia bulbs.

Vegetable Garden.—Sow beets, carrots, celery, chervil, chicory, collards, dielytra, fennel, flax, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, radish, sorrel, spinach, squash, tomato and turnip. Plant out cabbage, tomato and pepper plants.

**APRIL**

Flower Garden.—Sow amaranthus, aequilegia, aster, balsam, celosia, cobsen, morning glory, centaurea, cosmos, eschscholtzia, gaillardia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, and tulips. Sow hardy annuals in the open ground. Sow acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, gaillardia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, and tulips.

**MAY**

Flower Garden.—Sow amaranthus, aequilegia, aster, balsam, celosia, centaurea, cosmos, morning glory, centaurea, cosmos, eschscholtzia, gaillardia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, and tulips.

**JUNE**

Flower Garden.—Sow centaurea, cosmos, nasturtium and portulaca. Plant dahlias, chrysanthemum, aster, peony, salvia, penta and salvia plants. Sow hardy annuals as mentioned for February and the previous months may still be sown in the open ground. Sow amaranthus, aster, balsam, begonia, celosia, centaurea, cobsen, dahila, gloxinia, helianthus, heliotrope, humulus, hunnemannia, malope, mandevilla, margold, mina lobata, nasturtium, pyrethrum, salpiglossis, salvia, saponaria officinalis, and tulips.

Vegetable Garden.—Sow beets, carrots, celery, chervil, chicory, collards, dielytra, fennel, flax, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, radish, sorrel, spinach, squash, tomato and turnip. Plant out brussel sprouts, cabbage, cauliflower, egg plant, pepper, tomato and sweet potato plants.

**AUGUST**


**SEPTEMBER**

Flower Garden.—Sow calceolaria, campanula, cineraria, pansey, pentstemon, primula, oriental poppy, Shasta daisy, stocks and Christmas flowering sweet peas. Plant bulbs of Lilium harriasisi and L candidum. Sow hardy annuals in the open ground. Sow acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, godotia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, and tulips.

Vegetable Garden.—Sow beets, early cabbage and carrot, corn salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, radish, sorrel, spinach, squash, tomato and turnip. Plant out brussel sprouts, cabbage, cauliflower, egg plant, pepper, tomato and sweet potato plants.

**OCTOBER**

Flower Garden.—This is a good month in which to sow hardy annuals in the open ground. Sow acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, godotia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, and tulips.

Vegetable Garden.—Sow beets, early cabbage, carrot, corn salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, radish, sorrel, spinach, squash, tomato and turnip. Plant out brussel sprouts, cabbage, cauliflower, egg plant, pepper, tomato and sweet potato plants.

**NOVEMBER**

Flower Garden.—Sow hardy annuals in the open ground, such as acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, godotia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, and tulips. Continue to plant hyacinths, tulips, narcissus and other Dutch bulbs.

Vegetable Garden.—Sow beets, early cabbage, carrot, corn salad, cress, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, radish, spinach and turnip.

**DECEMBER**

Flower Garden.—This is a good month in which to sow hardy annuals in the open ground, such as acroclinium, alyssum, antirrhinum, canna, calendula, chrysanthemum, clarkia, collinsia, cosmos, eschscholtzia, godotia, larkspur, linum, lupinus, mignonette, nepeta, nigella, petunia, polyanthus, salpiglossis, scabiosa, snail, santolina, saponaria, saponaria officinalis, and tulips. Continue to plant Dutch and Illy, sweet pea plants.
FLOWERS AND PLANTS
FOR DIFFERENT PURPOSES AND SITUATIONS, WHICH CAN BE GROWN FROM SEED

FLOWERING ANNUALS
Including some perennials which flower the first season from seed. Those marked * are the best for massing in beds and borders.

Abroenia
Ageratum
Alexander
Anchusa
*Auricula
Asclepias
*Aster
Beesia
Begonia
Bells
Blitum
Brachycome
*Hornwalla
Calendula
*Calliopsis
Candytuft
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Flower Seed Novelties and Specialties

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 new 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.

NEW GIANT SNAPDRAGONS

(Antirrhinum maximum)

A new race of Giant Snapdragons producing flowers of enormous size on long spikes. Invaluable for cutting and also for display in the garden.

Apple Blossom. Delicate pink, white throat. Pkt. 50c.
Candy Blue. Canary yellow. Pkt. 25c.
Copper King. Coppery scarlet. Pkt. 25c.
Gelbkind. Light copper, old rose throat. Pkt. 25c.
Maralda. Coppery orange. Pkt. 25c.
Nymph. Rosy lilac, white throat. Pkt. 25c.
Wallflower. Brownish orange and copper red. Pkt. 25c.

SPECIAL OFFER. Full collection of the above ten varieties, one packet of each, for $1.50.

TALL LARGE FLOWERED VARIETIES

Cardinal. Dazzling scarlet.
Golden King. Large clear yellow.
Lilac Queen. White suffused with pale lilac.
Moonlight. Golden apricot and old rose.
Orange King. Orange scarlet, pink throat.
Othello. Deep claret color.
Princess Patricia. Pale rose overlaid chamois.
Queen Victoria. Very large pure white.
Rose Queen. Soft rose.
Venus. Pink on white ground, white throat.
The above varieties each, per pkt., 10c.

SPECIAL OFFER. Full collection of the above ten varieties, one packet of each, for 85 cents.

INTERMEDIATE VARIETIES

Amber Queen. Canary yellow, shaded chamois pink.
Bonfire. Orange buff, shaded scarlet.
Cottage Maid. Coral pink with white throat.
Golden Queen. Pure golden yellow.
Mauve Beauty. Rose mauve.
Old Rose. Soft bluish pink, suffused terra cotta.
Purity. Pure white.
Silver Pink. Pearly pink, extra fine.
The Fawn. Terra cotta pink, suffused yellow.
The above varieties, each, per pkt., 10c.

SPECIAL OFFER. Full collection of the above ten varieties, one packet of each, for 85 cents.

Long Spurred Hybrs Aquilegias

A magnificent strain of hybrid Columbines producing an abundance of very large flowers, with long spurs and borne on tall, strong stems. The colors range in all shades of blue, lavender, mauve, yellow, orange, scarlet, rose-pink and white.

Mrs. Scott Elliott’s Strain. An extra fine strain producing large flowers of the most delicate shades. Pkt. 25c.
Rose Queen. Soft rose with white center. Pkt. 25c.
Long Spurred Hybrids mixed. Pkt. 15c.

Improved Crego Giant, or Ostrich Plume Aster

This magnificent strain is without doubt the best of the late flowering asters for our climate. The plants grow from 2 to 2½ feet high and form blossoms often 5 to 6 inches in diameter. The flowers stand shipping well and on account of their large size and long stems are highly recommended for cutting purposes. In five colors: Peach Blossom, Light Blue, Deep Rose, Deep Purple, or mixed. Each per pkt. 25c.

Payne’s Single Comet Aster

Single Asters on account of their simple grace and exquisite beauty are becoming more popular each season. For making a display in the garden it is hard to imagine anything more lovely than these single asters, while as cut flowers for indoor decoration they have no equal. The plants of this strain are of branching habit and produce a wealth of large flowers with beautifully curled or twisted petals. White, Pink, Lavender or mixed. Each per pkt. 15c.

American Beauty Aster

This grand new Aster is one of the most valuable introductions of recent years and is quite distinct from any other variety. It is similar in growth to the Late Branching Aster but differs in that the blossoms are produced on longer and heavier stems. Some of these stems will measure over 2 feet in length. The flowers are produced in succession over a long period, they are very large, perfectly double and especially valuable for cutting purposes. In six colors: Peach Blossom, Pale Pink, Rose, Lavender, Purple, White, or mixed. Each per pkt. 25c, 4 oz. 25c.

SPECIAL OFFER. Full collection of the above 6 colors, one packet of each, for $1.25.
Anchusa italica, 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.

Bidens dahlloides
A hardy perennial producing large quantities of single, Cosmos-like flowers of a beautiful light pink shade. The flowers keep well in water and are excellent for cutting purposes. If the seed is sown in February or early part of March the plants will flower the first season. Pkt., 25c.

Calendula, The Ball
An extra fine strain of Calendula of upright growth bearing very large, uniformly double flowers. The color is deep orange passing to a lighter shade toward the center. The flowers are produced on very long, stiff stalks and are especially desirable for cutting. Pkt. 25c.

Carnation, Chabaud's Giant
This new strain is a great acquisition in Carnations. The plants come into bloom 6 months from seed and continue to flower all summer. They throw up from 10 to 20 stalks bearing large flowers of good form and come 90% double and true to color.

Jeanne Dionis. Pure white. Pkt. 25c.
Legion of Honor. Copper red. Pkt. 25c.
Marie Chabaud. Yellow. Pkt. 25c.
The Pearl. Rose pink. Pkt. 25c.
Chabaud's Giant Mixed...Pkt. 25c.

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 hardness, its quick growth, reaching a height of 20 to 25 feet in a short time, and also for its rich green, laciniate foliage, which resembles that of a fine Japanese Maple. The flowers, which are about 1 1/2 inches in diameter, the tube being about 1/4 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.

Payne's Large Flowered Cineraria
Cinerarias have become very popular of recent years not only as greenhouse but also for outdoor culture in sheltered and shady situations, and we regard them as one of the most valuable plants for making a display in the garden during the late winter and spring months. For early flowering, sow the seed in May or June and later sowings up until September. Sow the seed in seed pans of finely screened soil, composed of good loam, leaf mold and sand. As soon as large enough pot off the young seedlings and later transfer to larger pots until ready to plant out into the open ground.

Azure Blue. Pkt. 50c.
Matador. Scarlet. Pkt. 50c.
Old Rose. Pkt. 50c.
Royal Blue. Pkt. 50c.
Extra Choice Mixed. Pkt. 50c.

Cineraria
STELLATA AND CRUENTA HYBRIDS
This strain is especially desirable for making a display in the garden and is very hardy, succeeding with little care. It forms strong, pyramidal plants, 2 to 3 feet high, covered with hundreds of star-shaped flowers. The seed I am offering has been carefully selected and will be found to contain a large percentage of blue shades. Pkt., 25c.

Anemone Flowered Cosmos
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 Blue Anemone. 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 offer them in four distinct colors: Pink Beauty, pkt. 15c; White Queen, pkt. 15c; Crimson King, pkt. 15c; Malmeson Pink, pkt. 15c; mixed, pkt. 15c.

Cynoglossum amabile
"Chinese Forget-me-not"
A beautiful perennial from Southwest China which succeeds well in our climate. The plants grow 1 1/2 to 2 feet high, producing great quantities of flowers of a true Forget-me-not blue. It makes a splendid display in the garden and is also desirable for cutting purposes. Pkt. 25c.

Chinese Wool Flower
This celosia from China is a novelty of great merit and attracted a great deal of attention during the past season. The plant grows from 2 to 3 feet high and has an immense globe-shaped flower head of crimson-scarlet color, resembling a large ball of wool, often 7 or 8 inches in diameter. Besides the main central stem the plant throws out numerous side branches each terminating in a ball of crimson wool. It blooms profusely during summer and fall and retains its full beauty and color until late in the season. Very effective for planting in beds and borders, also valuable for cutting purposes. Pkt., 25c.

Giant English Cyclamen
A great improvement on the ordinary Giant Cyclamen. The plants are of robust growth with rich heavy foliage. The flowers are very large and produced in great profusion and come in many rich colors. The seed I am offering is imported from a specialist in England.

DUKE OF FIFE. Deep lilac rose. Pkt. 50c.
GIANT CRIMSON. Brilliant crimson. Pkt. 50c.
SALMON KING. Bright salmon pink. Pkt. 50c.
GIANT WHITE. Pure white. Pkt. 50c.
GIANT MIXED. Pkt. 25c.

Delphinium Belladonna
This magnificent strain of Delphinium is now in great demand. The plants grow from 2 to 3 feet high, and from numerous stems from the crown, but require no staking. The flowers are large and are arranged rather closely on the spike so that they stand out boldly from the main stem presenting a most graceful appearance, especially desirable for cutting. Perhaps the most valuable feature of these plants is their extreme free flowering qualities. It well cared for, and the old stems are kept cut off, they will flower almost the year round.

Belladonna. Light blue. Pkt., 25c; 1/4 oz., 60c.

Various shades of light and dark blue. Pkt., 25c; 1/4 oz. 75c.
Delphinium Chinense, Tom Thumb

A very dwarf variety of Chinese Delphinium bearing a great profusion of large ultramarine blue flowers. The dwarf habit, fine flowering qualities and intense blue color of the flowers render this variety invaluable for bedding purposes. Pkt., 25c; 1 oz., $0.25.

“Queen Ann’s Blue Lace”

Didiscus Coeruleus

Though not new this valuable annual has only recently been introduced into California. The plants are of upright growth and produce numerous heads of sky blue flowers. It succeeds well in the open ground and also makes an excellent pot plant. Pkt., 25c.

Digitalis, The Shirley

A very fine strain of Foxglove raised by the late Rev. W. Wilks of Shirley Vicarage, England, originator of the famous Shirley Poppy. The plants grow 8 to 12 feet high and produce enormous spikes of large flowers. The colors range from white and shell pink to deepest rose, beautifully spotted and blotched with crimson or chocolate brown. Pkt., 25c.

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.

“Scarlet Transvaal Daisy”

Gerbera Jamesonii

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 crimson color. They are produced on long stems and last a long time when cut. The seed should be sown in well-drained, fine, well-tilled soil, and kept in a glass house or frame, and the young plants can afterwards be transplanted to the open ground. Pkt., 25c.

Gerbera Jamesonii hybrid

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.

New Yellow Geum—Lady Stratheden

Without doubt this is one of the finest introductions of late years. The flowers are just as large and double as those of the popular variety Mrs. Bradshaw, but are of a pale yellow color. It makes a fine display in the garden and is excellent for cutting. Plants from seed sown in the fall will bloom the following spring and summer. Pkt., 25c.

“Payne’s Tree Lupine”

Lupinus Paynei

A native California species discovered by the writer in the foothills near Santa Susana and named in his honor by Dr. Anstruther Davidson, the well known botanist of Los Angeles. I believe this is the most wonderful Tree Lupine in the world. It forms large round topped shrubs 4 to 8 feet high from a trunk-like base 3 to 4 and sometimes 8 inches through the trunk, 8½ feet high and 13½ feet through the crown and when in blossom had over 500 inches through the trunk. The foliage is very handsome and silvery green, and the flowers are produced in racemes 8 to 15 inches long. They remind one of wisteria blossoms and appear in many beautiful shades: hardly two plants are just alike: some are pale blue, others lavender, pale lilac, dark blue, purple, rose pink, flesh pink or white; all with a beautiful yellow blotch on the standard. The blossoms are deliciously fragrant, a few flowers being sufficient to perfume a whole house. The plants bloom in the spring and the whole bush blossoms simultaneously. They grow in a deep, rich, well-drained soil, and keep in the South America. 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.

Lupinus Payrei

Texas Blue Bonnets

(LUPINUS TEXENSIS)

Everyone who has ever lived or traveled in Texas is no doubt familiar with the Texas Blue Bonnets which in many places cover the plains with masses of rich blue flowers. This season I have been fortunate enough to secure direct from Texas a limited quantity of seed of this beautiful plant. Pkt., 10c; oz., 50c; lb., $6.00.

Nemesia strumosa suttonii Hybrids

A beautiful annual of recent introduction which succeeds quite well in California and is especially valuable for winter blooming. 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 scarlet, beautifully marked and shaded. In three colors, orange, rose, scarlet or mixed. Each per pkt., 25c.

Nemesia Dwarf, Blue Gem

One of the most valuable introductions of recent years. A very dwarf, compact variety, with bright blue flowers produced in great profusion. Very desirable for beds, for edgings or as a ground cover for bulb beds, a good winter bloomer. Pkt. 25c.

Nemesia’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., $1.25.
Petunia, Payne's Giant Double Paony Flowered

This is without doubt the finest strain of double Petunias ever offered and produces as high as 75% double flowers. The blossoms are of immense size, often 4 or 5 inches in diameter, very double, beautifully ruffled and frilled and of every conceivable color. Pkt., 50c.

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 includes all the richest colors and combinations of colors, many of them beautifully veined, mottled or striped. Pkt., 25c.

New Petunia, Triumph

For a long time there has existed a demand for a Petunia of the giant ruffled type in a good shade of pink and I believe this new variety will fill that want. The flowers are large, beautifully ruffled and of a clear bright pink. The plants are of strong growth and very free blooming. This new variety will be especially valuable for bedding purposes where it is desired to carry out a color scheme. Pkt., 25c.

Giant Petunia, Steel Blue

A very desirable variety of the giant ruffled type; flowers very large, steel blue veined with black, quite a unique shade. Pkt., 25c.

Western Poppy (Papaver californicum)

A very rare native poppy of exquisite beauty. The plants are of slender fragile growth reaching a height of 1 to 2 feet and succeed best in partial shade. Flowers orange-scarlet with pale yellow center. It is an annual and the seed should be sown in the open ground in fall or very early spring. Pkt. 25c.

New Poppy, Ryburgh Hybrids

This splendid new strain of annual poppies produces plants of bushy habit, carrying quantities of long-stemmed flowers in charming shades of flesh, salmon, orange, pink, rose and carmine. The flowers are double and semi-double and last well when cut. Pkt., 25c.

New Poppy, Eldorado

A lovely strain of annual poppies of the Shirley type, producing in great abundance, large double flowers measuring about 3 inches across. They come in the most delicate and brilliant colors, ranging from palest pink through shades of rose and salmon to rosy scarlet. Some are white with salmon-pink or crimson margins, others orange-salmon shaded white, others again are fiery rose-scarlet shaded white, others again are fiery rose-scarlet shaded white, all of them being of great decorative value for cutting. Pkt., 25c.

The Flanders Poppy

The Wild Red Poppy so familiar to those who served in the recent European conflict, and to those who hold other memories of that continent. All through Western Europe this poppy grows wild in the fields and along the roadsides. Scattered through ripening wheat its flaming red blossoms show in striking and beautiful contrast to the clear, golden yellow of the maturing grain, making a picture of country-side loveliness that is never to be forgotten. It is from this wild poppy that the Rev. W. Wilks of Shirley Vicarage, England, produced the well-known Shirley poppy and from which many other garden varieties have originated. Pkt. 15c, oz. 75c.

Primula malacoides

This valuable introduction from China has proved to be one of the most free-flowering species and especially useful for out-door culture in partially shaded places. It is quite hardy and is one of the best winter flowering plants we have. It is also well suited for pot culture. The flowers are of a delicate shade of blue. Seed sown in August produces plants which flower throughout the winter months. Pkt. 25c.

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.

Schizanthus, Garraways Hybrids

A new select strain, especially desirable for forcing, splendid range of colors. Pkt., 25c.

Scabiosa caucasica

A beautiful perennial Scabiosa. The plants grow 2 to 2½ feet high and produce large lavender flowers 3 to 4 inches across on long wiry stems. They last well in water and are very desirable for cutting. The plants are very free flowering, blooming continuously from the end of June until late in the fall. Pkt. 25c.

Scabiosa columbaria

A perennial Scabiosa from South Africa and one of the best introductions of recent years. The plants grow 1½ to 2 feet forming bushes often 2 feet across. The flowers are pale lavender 2 to 2½ inches in diameter and produced in great profusion from early spring to fall. Pkt. 25c.

CALIFORNIA WILD FLOWERS

SEEDS, PLANTS, AND BULBS
Scabiosa grandiflora, Peach Blossom

Quite a new shade in the annual Scabiosa. The flowers are very large, perfectly double and on long stems; color a beautiful shade of peach blossom pink, very desirable as a cut flower. Pkt., 25c.

NICE GIANT STOCKS

The Nice stock has proved to be pre-eminently the stock for Southern California and has become very popular late, so much so, that I have discontinued listing many of the other strains. They form well branched plants about 2 feet high, producing spikes of large double flowers not tightly clustered but borne along the entire stem. They are very graceful and especially desirable for cutting. The plants are extremely free flowering, continuing in blossom for a long time. For winter flowering sow the seed in July and August. In transplanting care should be taken to save the small or weak plants, while the strong, robust growing seedlings often come single. The seed I am offering here is from one of the best specialists, and contains several new varieties of great merit.

Beauty of Nice. Flesh pink. Pkt., 15c; ¼ oz., 65c.

Beauté d’Hanas. Old rose. Pkt., 15c; ¼ oz., 75c.

Cote d’Azur. Deep lilac. Pkt., 15c; ¼ oz., 75c.

Heatham Beauty. New, deep rose shading to pale pink and chamois toward center, large spike, extra fine. Pkt., 25c; ¼ oz., $1.00.


Queen Alexandra. Lilac rose. Pkt., 15c; ¼ oz., 65c.

Queen of the Belgians. Silvery lavender, very large spike, extra fine. Pkt., 25c; ¼ oz., $1.00.

Snowdrift. New, improved pure white, extra fine. Pkt., 25c; ¼ oz., $1.00.


Nice Giant. All colors mixed. Pkt., 15c; ¼ oz., 50c.

Nice Giant, Payne’s Special Mixture of Pastel Shades. Pkt., 25c; ¼ oz., $1.00.

Bismarck or Giant Imperial Stocks

This class of Giant-Ten-Week Stocks is of great merit and only needs a trial to be thoroughly appreciated by every flower grower. The plants grow from 2 to 2 ½ feet high and are of branching habit, producing numerous large spikes measuring 12 to 16 inches long. They are especially desirable for cutting and produce a high percentage of double flowers. I offer them in 8 distinct colors. White, Cream-color, Chamois, Flesh Pink, Rose, Blood Red, Lilac, Lavender, Deep Purple, or mixed. Each per pkt., 25c.

“Mexican Sunflower”

Tithonia Speciosa

A rare plant from Mexico. Annual throwing up from the root many stout, woolly stems furnished with rather large foliage. The flowers are large and remind one of an immense single zinnia: color dazzling orange scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders. Pkt., 15c.

Verbena hybrida gigantea

This splendid new strain of verbena is one of the finest introductions of recent years. The plants are of robust, compact habit and particularly free flowering. The flower trusses are of immense size and the individual flowers an inch or more in diameter. In 4 colors. Blue with white eye, scarlet with white eye, flame pink, pure white or mixed. Each per pkt., 25c.

Viola cornuta, Papilio

Though not as large as the regular pansy, this variety is a true flowering that it is far superior for bedding purposes. The plants begin to bloom when quite young and produce a never ending succession of delfh blue flowers. It is ideally adapted for lining along walks or for bordering beds of other annuals. For making a display in the winter and spring months there is no variety equal to it. Pkt., 15c; ¼ oz., 75c.

Winter Flowering Wallflower

A very desirable plant, producing great quantities of flowers all through the winter and spring. The flowers are fragrant and come in a great variety of coloring from cream color to primrose, sulphur yellow, golden yellow, lilac, mauve, purple and violet. Cannot be equaled for display of color in the winter garden. It succeeds best in a shady or partially shady place, but will also thrive in the full sunlight. Plants from seed sown early in fall will bloom the following winter. Pkt., 25c.

California Wild Flowers

There is nothing that gives a greater charm and interest to a flower garden than a planting of California Wild Flower Seeds. In their natural state they are indeed beautiful and when brought under cultivation they not only equal their imported rivals in point of size, color and foliage but have also that added attraction of bringing romance and sentiment into the garden—they mean something more than just beautiful flowers. They are easily grown and require a minimum of water and care.

In considering them do not allow the thought that they are “wild” confuse you. These seeds are produced with the same care and by the same method as the finest of flower seeds, with twenty-three years of selection for large blooms and trueness to type in back of them. A condensed list of the better known species will be found on pages 23 to 27.
Payne’s Giant Double Zinnia

Zinnias are among 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 3 feet; bearing immense flowers, often 5 inches in diameter, very double, and of the most striking colors. I offer this superb strain in 14 distinct shades.

- Apricot Yellow. Pkt., 15¢; ½ oz., 35¢.
- Buff. Pkt., 15¢; ½ oz., 35¢.
- Bright Rose. Pkt., 15¢; ½ oz., 35¢.
- Burnt Orange. Pkt., 15¢; ½ oz., 35¢.
- Canary Yellow. Pkt., 15¢; ½ oz., 35¢.
- Crimson. Pkt., 15¢; ½ oz., 35¢.
- Flesh Pink. Pkt., 15¢; ½ oz., 35¢.
- Orange King. Pkt., 15¢; ½ oz., 50¢.
- Purple. Pkt., 15¢; ½ oz., 35¢.
- Rose King. Pkt., 15¢; ½ oz., 40¢.
- Rose Queen. Pkt., 15¢; ½ oz., 50¢.
- Scarlet. Pkt., 15¢; ½ oz., 35¢.
- Shrimp Pink. Pkt., 15¢; ½ oz., 40¢.

**SPECIAL OFFER.** Collection of any six of the above, one pkt. each, for 75¢. Collection of the whole 14 colors, one pkt. each, for $1.25.

New Dahlia Flowered Zinnia

A new and distinct race of Zinnia which is very popular. Plants are of sturdy growth forming bushy plants 2 to 3 feet high, producing quantities of immense double flowers on long stems. Blossoms are the largest of any Zinnia ever grown and when fully developed often measure 4 inches in depth and 6 inches in diameter. Petals are larger and broader than the ordinary giant zinnia and give the flower a resemblance to a show dahlia. In the color of the flowers there is a wonderful range, including golden yellow, burnt orange, old rose, cerise, mauve, terra cotta, rose pink, Tyrian rose and other charming shades.

- Exquisite. Light rose, center deep rose, of true dahlia flowered type. The most pleasing of collection. Pkt. 25¢; ½ oz. 75¢.
- Old Rose. Beautiful old rose shade, very large. Pkt. 25¢; ½ oz. 75¢.
- Giant Attraction. Brick red, forming immense ball of color. Pkt. 25¢; ½ oz. 75¢.
- Scarlet Flame. Bright scarlet, blended orange. Pkt. 25¢; ¼ oz. 75¢.
- Meteor. The darkest shade of red, very large. Pkt. 25¢; ¼ oz. 75¢.
- Oriole. Orange and gold, immense flower, very beautiful. Pkt. 25¢; ¼ oz. 75¢.
- Dream. Deep lilac, turning to mallow purple. Pkt. 25¢; ¼ oz. 75¢.
- Canary Bird. Beautiful light yellow. Pkt. 25¢; ¼ oz. 75¢.
- Dahlia-Flowered Mixed. Pkt. 25¢; ¼ oz. 50¢.

**SPECIAL OFFER.** Collection of any six of the above, one pkt. each, for $1.25. Collection of the whole 10 colors, one pkt. each, for $2.00.

Payne’s Giant Double Zinnia Special Mixture of Pastel Shades

The Zinnia is one of the most desirable of our summer and fall flowers for cutting purposes. They last a long time in water and are very decorative. However, many of the colors are too dazzlingly bright, and though we may admire them in the garden, they are not suited to produce artistic effects in the house. On the other hand, many of the lighter shades are very delicate and desirable for decorative purposes. Of late years there has been a great demand for Zinnias in the pastel shades, and this season I am offering a very carefully made up mixture which will be found to include all the most delicate art tints. Pkt. 15¢; ¼ oz. 40¢.

- Bright Scarlet. Pkt., 10¢; ¼ oz. 40¢.
- Canary Yellow. Pkt., 10¢; ¼ oz. 35¢.
- Crimson. Pkt., 10¢; ¼ oz. 35¢.
- Golden Yellow. Pkt., 10¢; ¼ oz. 40¢.
- Salmon Rose. Pkt., 10¢; ¼ oz. 40¢.
- All Colors Mixed. Pkt., 10¢; ¼ oz. 30¢.

**SPECIAL OFFER.** Collection of the above five colors, one pkt. each, for 40¢.
General List of Choice Flower Seeds

In sowing flower seeds in California it must be remembered that the conditions are entirely different from those existing in the Eastern States. There the time for sowing all hardy and half hardy annuals is in the Spring, while in California the majority of them do best when sown in the Fall and early part of the Winter: this being the season when most of our native annual wild flowers commence to plant most in our flower gardens. There are, however, some exceptions to this rule, such as Asters, 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 Full and Winter months are the best time.

**AURICULA.** Perennial, 6 inches. Sow in seed pan.

**AQUILEGIA.** See page.

**ANCHUSA.** Italica, Dropniore.

**ANTIRRHINUM.** "Snapdragon." A perennial bloom¬

**ANTIGONON LEPTOPUS.** "Rosa de Montana." A

**ANTIGONON LEPTOPUS.** "Rosa de Montana." A

**AMARANTHUS.** Annual, ornamental foliaged plants

**ALYSSUM.** Free flowering annual, useful for beds,

**AGERATUM MEXICANUM.** Annual, 9 to 12 inches

**ACROCLINIUM.** See Specialties, page 5.

**AGATHAEA COELESTIS.** Annual, 1 to 1½ feet high.

**AGERATUM.** "Everlasting Flower." Annual 1 to

**ALYSSUM.** Free flowering annual, useful for beds,

**ANGELOPSIS.** Perennial 1 to 1½ feet high. A pretty little plant blooming nearly all through the season. Seed should be sown in pots or seed boxes and transplanted.

**AMARANTHUS.** Annual, ornamental foliaged plants

**ACER.** 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. Sow the seed in the Fall and early Winter, in hot water about 12 hours before sowing. Pkt., 10c.

**ASTERS.** A popular annual, largely grown for cut flow¬

**ANGELOPSIS.** Camellia-flowered. Double mixed. Pkt. 10c.

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

**ARCTOTIS GRANDIS.** Annual forming large, bushy

**AQUILEGIA.** "Everlasting Flower." Annual 1 to

**AMARANTHUS.** Annual, ornamental foliaged plants

**AQUILEGIA.** "Everlasting Flower." Annual 1 to

**ANCHUSA.** Italica, Dropniore. See page 5.

**ANTIGONON LEPTOPUS.** "Rosa de Montana." A


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

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**ARCTOTIS GRANDIS.** Annual forming large, bushy

**AQUILEGIA.** "Everlasting Flower." Annual 1 to
BEGONIA EVER-BLOOMING BEDDING VARIETIES. Perennials flowering the first season from seed. Very desirable for beds and borders, and also for pot culture or window boxes. Sow the seed as soon as the fresh seed is received.

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 blotted in the most unique fashion. The strain offered here is from one of the most celebrated growers in Europe and unsurpassed in quality. Sow in August or September in seed boxes and transplant. Pkt., 15c.

CELOSIA CRISTATA. "Cockscomb." Annual, 1 foot. The "Marygold" of Shakespeare. Excellent as pot plants; also very effective in large beds or borders. Sow the seed in August or September in seed boxes and transplant. Pkt., 10c.

Calendula Officinalis. "Pot Marigold." Annual, 1 to 1½ feet high. A charming plant for beds and borders, with rich blue flowers. Sow the seed in the ordinary seed boxes. Use for cutting purposes. Pkt., 10c.

Cardinal Climber. See page 6.

BEGONIA EVER-BLOOMING BEDDING VARIETIES. Perennials flowering the first season from seed. Very desirable for beds and borders, and also for pot culture or window boxes. Sow the seed as soon as the fresh seed is received.

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

Carnations. Bright rosy carmine. Pkt., 10c; oz., 50c.

Crimson. Dark crimson. Pkt., 10c; oz., 50c.

Empress. White, long spikes. Pkt., 10c; oz., 50c.


Fine Mixed. Pkt., 10c; oz., 50c.

Glasgow Prize. The finest strain; combs of deep crimson color and immense size. Pkt., 10c.

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 single forms.

Marguerite. Scarlet, white, Yellow or mixed. Each per pkt., 10c.

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


Carnation, Chabaud's Giant. See page 6.

CELOSIA CHISTATA. "Cockscomb." Annual, 1 foot. The "Marygold" of Shakespeare. Excellent as pot plants; also very effective in large beds or borders. Sow the seed in August or September in seed boxes and transplant. Pkt., 10c.

CELOSIA PLUMOSA. "Feathered Cockscomb." Annual, 2 to 3 feet high. Magnificent plants for large beds or groups. Producing large plumo-like flowers, which can be cut and dried for winter bouquets. The seeds should be sown in the same way as the other "Cockscombs" mentioned above. Pkt., 10c.


Centaurea CANDIDISSIMA. "Dusty Miller." Perennial, 1 to 2 feet high. Silvery leaves and used for beds and edgings. The seeds should be sown in seed boxes and afterwards transplanted. Pkt., 10c.

Centaurea IMPERIALIS. "Royal Sweet Sultan." Annual, 2 to 3 feet. A great improvement on the old "Sweet Sultan" flowers resemble the "Cornflower" in shape, but are of immense size. Valuable for florists' use, lasting a long time when cut. Pkt., 10c.

Giant Amaranth Red. New. Pkt., 10c; oz., $1.00.

Giant Brilliant Rose. Pkt., 10c; oz., $1.00.

Giant Delicate Lilac. Pkt., 10c; oz., $1.00.

Giant Deep Lavender. Pkt., 10c; oz., $1.00.

The Bridegroom. Heliotrope. Pkt., 10c; oz., $1.00.

Giant White. Pkt., 10c; oz., 75c.

Giant Yellow. Pkt., 10c; oz., 75c.

Mixed. Pkt., 10c; oz., 75c.


BROWALLIA ELATA. Annual, 1 to 1½ feet high. A charming plant for beds and borders, with rich blue flowers. Sow the seed in the ordinary seed boxes. Use for cutting purposes. Pkt., 10c.

BEGONIA EVER-BLOOMING BEDDING VARIETIES. Perennials flowering the first season from seed. Very desirable for beds and borders, and also for pot culture or window boxes. Sow the seed as soon as the fresh seed is received.

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 blotted in the most unique fashion. The strain offered here is from one of the most celebrated growers in Europe and unsurpassed in quality. Sow in August or September in seed pans and keep in greenhouse. Large flowered. Tigered and spotted. Pkt., 50c.

CABIENDA OFFICINALIS. "Pot Marigold." Annual, 1 foot. The "Marygold" of Shakespeare. Exceptionally 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. Pkt., 10c; oz., 40c.

Lemon Queen. Sulphur yellow. Pkt., 10c; oz., 40c.

The Ball. See Flower Seed Specialties, page 6.


BROWALLIA ELATA. Annual, 1 to 1½ feet high. A charming plant for beds and borders, with rich blue flowers. Sow the seed in the ordinary seed boxes. Use for cutting purposes. Pkt., 10c.

Orange King. Deep orange. Pkt., 10c; oz., 50c.

CARNATION. Perennial, 1 ½ 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 single forms.

Marguerite. Scarlet, white, Yellow or mixed. Each per pkt., 10c.

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


Carnation, Chabaud's Giant. See page 6.

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CELOSIA PLUMOSA. "Feathered Cockscomb." Annual, 2 to 3 feet high. Magnificent plants for large beds or groups. Producing large plumo-like flowers, which can be cut and dried for winter bouquets. The seeds should be sown in the same way as the other "Cockscombs" mentioned above. Pkt., 10c.

Centaurea imperialis

**Centaurea cyanus.** "Cornflower." Annual. 1 to 2 feet high. A well-known annual, much used for bedding and borders, giving a wonderful show of color during Spring and Summer. Very fine for cut flowers and worthy of a place in every garden.

- **Double Blue.** Pkt., 10c; oz., 70c.
- **Double Rose.** Pkt., 10c; oz., 70c.
- **Double Mixed.** Pkt., 10c; oz., 50c.

**Chinese Wool Flower.** See Novelties, page 6.

**Chrysanthemum.** Annual varieties 1 to 3 feet high. Very showy for beds and also useful for cut flowers.

- **Northern Star.** Large, white with soft yellow zone and dark eye. Pkt., 10c.
- **Morning Star.** Beautiful pale yellow. Pkt., 10c.
- **Evening Star.** Golden yellow, large. Pkt., 10c.
- **Burridgeanum.** White and red. Pkt., 10c.
- **Single Mixed.** Pkt., 10c; oz., 50c.
- **Coronarium.** Double yellow. Pkt., 10c.
- **Coronarium album.** Double white. Pkt., 10c.

**Chrysanthemum japonicum.** Perennial, 3 to 4 feet. Well known plants, flowering in the fall and early winter. Seed should be sown in seed boxes early in the spring, and when large enough transplanted to the open ground. The plants will bloom the following fall.

Hybrids. Fine mixed. Pkt., 15c.

**Chrysanthemum frutescens.** "White Marguerite." Perennial, 3 to 4 feet high. A well-known flower. Sow the seed in the same way as the Japanese varieties. Pkt., 10c.

**Cineraria hybrida grandiflora.** Biennial, but treated as an annual in California. Height 1½ to 2 feet. Magnificent plant for pot culture in greenhouses, or may be planted out in sheltered and partially shaded situations. Sow the seed in August or September in seed pans, and as soon as large enough pot off into small pots and afterwards transfer to larger pots as required. The strain I am offering is the very best procured from one of the most celebrated growers in Europe, and may be relied upon to produce large flowers of the most exquisite colors. Pkt., 50c.

Separate Colors. See Flower Seed Specialties, page 6.

**Coreopsis lanceolata.** Perennial, 2 to 4 feet high. Large, showy, bright yellow flowers produced in great abundance, giving a brilliant show of color when planted in masses; also very attractive when used as a border. Much used for cutting purposes. Pkt., 10c.
CORNFLOWER. See CENATHEA.

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 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. Pkt., 10c; oz., 40c.
Lady Lenox. Very large flowers; a lovely shade of shell pink. Pkt., 10c; oz., 50c.

Delphinium chinense, Tom Thumb. See page 7.

DELPHINIUM. Eryngium chihense. "Sea Holly." Perennial, 3 to 5 feet. Well known plants with large, showy flowers, useful for beds and masses. Sow the seed early in spring and in seed boxes and afterwards transplant to the open ground. The seed is saved from the very best double varieties. The best varieties should be marked when in flower and 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., 20c.

OASIS. See BELLIS.

AHLIA, Perennial, 4 to 6 feet, flowering the first season. 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. 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.

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

COSMOS KLONDYKE. Annual, 2 to 3 feet. Deep or orange colored flowers 2 to 2½ inches in diameter, blooming in the fall. Pkt., 15c.

CUCUMBER WILD. (Echinocystis lobata.) Annual, 1 to 1½ feet high, resembles the wallflower and produces in winter and spring great quantities of orange colored flowers; effective in masses. Pkt., 10c; oz., 60c.

ERYNGIUM ANETHISTUM. "Sea Holly." Perennial, 2 to 3 feet, producing in summer quantities of steel blue thistle-like flowers. Sow the seed in summer or early fall in seed boxes and transplant. Pkt., 15c.

SCHSCHOLTZIA CALIFORNICA. "California Poppy." Annual, 1 to 1½ feet high. A well known native flower with blossoms 2 to 3 inches in diameter. Yellow, Orange, White, or mixed. Each, pkt., 10c; oz., 35c.

Rose Cardinal. White and rose. Pkt., 10c.
Carmine King. Carmine rose. Pkt., 10c.

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Rose Cardinal. White and rose. Pkt., 10c.
Carline King. Carline rose. Pkt., 10c.
TREES, SHRUBS, AND VINES
CALIFORNIA NATIVE PLANTS

GAILLARDIA GRANDIFLORA. Perennial, 1 to 1½ feet high. Flowers on long stems, golden yellow and double. Pkt., 10c.

NEW RED SUNFLOWER. Flowers vary greatly in size, from 4 to 8 inches across. Color of the flowers also varies, some are solid red, others with petals tipped and other pleasing combinations of red and gold. Pkt., 10c.

HELICHRYSUM MONSTROSUM. "Straw Flower." Annual, 2 to 3 feet. A well known "everlasting" flower. Double, fine mixed. Pkt., 10c.

HOLLYHOCK. Perennial, 6 feet high. An old-fashioned favorite flower. Sow the seed in boxes late in summer and transplant. The plants will bloom the following summer.

HUMULUS JAPONICUS VARIEGATUS. "Japanese Hop." A beautiful annual climbing plant. Leaves marbled and splashed with white on light and dark green ground. Very effective for screens, arbors, etc. Sow the seed in spring when the weather is warm and settled. Pkt., 10c.
JACOBAEA. *Senecio elegans.* "Mexican Poppy." Perennial, 2 to 3 feet. Large flowers resembling the California poppy, but resembling more the 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.

HUNNEMANNIA FUMARIAEFOLIA. Annual, 4 to 6 inches, forming compact, bushy plants, which turn deep red in the fall. Very ornamental for planting as a background or temporary hedge. Sow in spring. Pkt., 10c.

LAVATERA TRIMESTRIS. Annual, 3 feet high, producing large saucer-shaped flowers. Sow in spring. Pkt., 10c.

LINUM GRANDIFLORUM RUBRUM. "Scarlet Flax." Perennial, 1 to 1½ feet, bright blue flowers. Pkt., 10c.

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LINUM GRANDIFLORUM RUBRUM. "Scarlet Flax." Perennial, 1 to 1½ feet, bright blue flowers. Pkt., 10c.

LOBELIA. Annual, 4 to 6 inches, forming compact, bushy 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 gently 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.


LUPINUS ARBOREUS, 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.

LUPINUS ARBOREUS, 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.


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MATRICARIA EXIMIA. Mina Lobata. Beautiful annual climbing vine.

MESEMBRYANTHEMUM. Dwarf, trailing, annual.


Maurandia. Dwarf double mixed. Pkt., 10c.

Maurandia. Very double; deep brownish-red striped with golden yellow. Pkt., 10c.

Maurandia. Large Flowering. Sweet scented. Pkt., 10c.

Maurandia. Bright red, large spikes. Pkt., 10c; oz., $1.00.

Maya. Orange Ball. Deep orange. Pkt., 15c; oz., .60c.

MELATON. "Scarlet Monkey Flower." Perennial, 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 frost.

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

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


Golden King. Indian yellow, dark foliage. Pkt., 10c.

King of Tom Thumbs. Scarlet, dark foliage. Pkt., 10c.

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


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


Fine mixed. Pkt., 10c; oz., 20c; lb., $2.00.

NEMESIA. See Flower Seed Specialties, page 7.

NEMOPHILA. A beautiful native annual, 4 to 6 inches high and flowering in 8 or 9 weeks from the time of sowing.

Insignis. "Baby Blue Eyes." A delicate little plant; flowers clear azure blue. Pkt., 10c; oz., .55c; lb., $1.00.

maculata. White spotted with purple. Pkt., 10c; oz., .50c; lb., $1.00.

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

Empress of India. Crimson, dark foliage. Pkt., 10c; oz., .50c; lb., $1.00.

SANDERAE HYBRIDA. Splendid plants, flowers in great variety of colors. Pkt., 10c.

NIEBERGIA CALYCINA. Slender growing perennial plant, 1 to 2 feet. Desirable for hanging baskets, rock work and bedding. Sow the seed in boxes. Flowers white tinted with lavender. Pkt., 15c.

NIGELIA DAMASCENAE. "Love-in-a-Mist." Annual; height 1 1/4 feet, with finely cut foliage; curious looking flowers of a pale blue color.

Miss Jekyll. Flowers of a beautiful corn-flower blue, fine for cutting. Pkt., 10c.

OENOTHERA DRUMMOND. "Evening Primrose." Annual; 2 to 3 feet. Large flowers, yellow. Pkt., 10c; oz., .50c; lb., $1.00.

Pkt., 10c.

Orange Ball. Deep orange. Pkt., 15c; 1/2 oz., 60c.

Orange. Pkt., 10c; 1/2 oz., 40c.

Double fine mixed. Pkt., 10c; 1/2 oz., 40c.

Double yellow. Pkt., 10c.

Dwarf double mixed. Pkt., 10c.


Fordhook Fashion. Terra cotta on yellow ground. Pkt., 10c.


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


Fine mixed. Pkt., 10c; oz., 20c; lb., $2.00.

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SANDERAE HYBRIDA. Splendid plants, flowers in great variety of colors. Pkt., 10c.

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Miss Jekyll. Flowers of a beautiful corn-flower blue, fine for cutting. Pkt., 10c.

OENOTHERA DRUMMOND. "Evening Primrose." Annual; 2 to 3 feet. Large yellow flowers. Succeeds well in a partially shaded place. Pkt., 10c.

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.


Dunnett's Orange (Sunlight). Yellow. Pkt., 10c.


Rose. Salmon rose. Pkt., 10c.

Scarlet. Bright scarlet. Pkt., 10c.

Crimson. Velvety crimson. Pkt., 10c.

Fordbook Fashion. Terra cotta on yellow ground. Pkt., 10c.

Moonlight. Creamy white. Pkt., 10c.


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


Fine mixed. Pkt., 10c; oz., 20c; lb., $2.00.

NEMESIA. See Flower Seed Specialties, page 7.

NEMOPHILA. A beautiful native annual, 4 to 6 inches high and flowering in 8 or 9 weeks from the time of sowing.

Insignis. "Baby Blue Eyes." A delicate little plant; flowers clear azure blue. Pkt., 10c; oz., .55c; lb., $1.00.

maculata. White spotted with purple. Pkt., 10c; oz., .50c; lb., $1.00.

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

Empress of India. Crimson, dark foliage. Pkt., 10c; oz., .50c; lb., $1.00.

SANDERAE HYBRIDA. Splendid plants, flowers in great variety of colors. Pkt., 10c.

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Moonlight. Creamy white. Pkt., 10c.


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


Fine mixed. Pkt., 10c; oz., 20c; lb., $2.00.

NEMESIA. See Flower Seed Specialties, page 7.
Pansies

Truly speaking, a perennial, but an annual in California. To obtain the best results the seed should be sown in August, September, or early October. Prepare a bed in the open ground in the following manner: Dig up the ground and level off the surface. Take some good garden soil, run it through a sieve, mix this with some good rotted manure and sand, which has also been screened, using about two parts of soil to one of manure and one of sand. Spread this out over the surface, press it down, and level off with a board. Sow the seed broadcast, cover it with about an eighth of an inch of the same soil, and again press the surface down with a board. Take a piece of burlap the size of the bed and stretch it out over the ground. Place some pieces of wood around the edge to keep the burlap from blowing away, and keep it well watered, using a fine spray. As soon as the seed has sprouted, take the burlap off and nail it over a wooden framework the same size as the bed. Support this at each end by two small posts and a cross piece, placing this frame about one foot from the ground. After a week, remove this framework, except during the hottest part of the day. In two or three weeks it can be discarded entirely. When the plants are large enough to handle, transplant to beds of rich, well prepared soil, and cover the surface with a layer of well rotten, sifted manure. Pansies prefer a rather heavy soil with plenty of well rotten manure; this is very essential. Indeed, it is almost impossible to use too much manure on pansies and the richer the soil the larger and more perfect will be the flowers. Later sowings may be made up to the beginning of February, however, but they will not do as well as those sown early in the fall and the blooming period will be much shorter.

Payne's Royal Exhibition. Without question the finest strain of Pansies ever introduced on the Pacific Coast. See Flower Seed Specialties, page 7.

Bugnot's Superb Blotched. Extra large, rich colors, each petal having a broad, deep blotch, many of them beautifully lined or penciled. Pkt., 50c.

Cassier's Large Flowered Blotched. A splendid strain: flowers beautifully blotched, of richest shades. Pkt., 50c.

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. 50c.

Steele's Mastodon. This well known strain is universally popular on account of its immense flowers in mixed colors. Pkt., 25c; 1/4 oz., $1.25.

Giant Trimardeau. Large flowered, mixed. Pkt., 15c.

English Show or Faced Pansy. Mixed. Pkt., 15c.

GIANT PANSIES, SEPARATE COLORS The following varieties, per pkt., 15c; 1/4 oz., 65c.

Giant Bridesmaid. White and shining rose, beautifully blotched.

Giant Bright Blue. Ultramarine blue.

Giant Dark Blue. Darkest blue.

Giant Golden Yellow, Five Spotted, a beautiful flower of Cassier type.

Giant Golden Queen. Pure yellow.

Giant King of the Blacks. Royal purple and peacock blue.

Giant Snowflake. Pure white.

Giant mixed.

PETUNIA. Perennial. 1 to 1½ 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.

Note.—Seed saved from the most carefully hybridized flowers, produce about 30 per cent double flowers, the balance being singles of unusually fine quality. The weaker seedlings should be carefully sorted, as these invariably produce the double flowers. In a measure the same is true of the single sorts, the small, weak seedlings generally produce the largest and finest flowers, while the large, strong seedlings usually turn out to be the most common types.

Giant mixed. Large flowered, mixed. Pkt., 50c.


Triumph. See Flower Seed Specialties, page 8.


Giant, Steel Blue. See Specialties, page 8.

Giant mixed. Large flowered, mixed. Pkt., 50c.

Balcony Petunias. A new strain, very free flowering, desirable for window boxes, rock work, banks, beds and borders. Flowers large and of good substance.

Balcony Crimson. Pkt., 25c.

Balcony White. Pkt., 25c.

Balcony Rose. Pkt., 25c.

Balcony Blue. Pkt., 25c.


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


**PENSTEMON.** 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.

**Sensation.** Large flowered, superb, mixed. Pkt., 15c.

**Barr’s Double Queen.** Select strain of double Shirley. Mixed colors. Pkt., 25c.

**Tulip.** Large single tulip-like flowers, color dazzling scarlet. Height 1 1/2 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.

**Danebrog or Danish.** Large single flower, brilliant scarlet with silvery white spot on each petal forming a white cross. Height 3 feet. Pkt., 15c.

**Umbrosum.** Single flowers, rich vermilion with deep black spot on base of petal. Height 2 feet. Pkt., 10c.

**Ranunculus Flowered.** Double flowers about 2 inches in diameter and of every imaginable shade of color. Height 2 feet. Pkt., 10c; oz., 50c.

**Ryburgh Hybrids.** See page 8.

**New Poppy, Eldorado.** See page 8.

**POLYANTHUS.** (Primula elatior.) Perennial, 6 to 8 inches; succeeding best in a partially shaded place and flowering during winter and early spring. Sow in spring in seed boxes and transplant. Large flowered choice mixed. Pkt., 15c.

**PHLOX DECUSATA.** “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., 15c.

**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.

**Primrose.** Pkt., 10c; 1/4 oz., 35c.

**Carnation Flowered.** Large double fringed flowers, mixed colors. Height 3 to 4 feet. Pkt., 10c; oz., 50c.

**Ranunculus Flowered.** Double flowers about 2 inches in diameter and of every imaginable shade of color. Height 2 feet. Pkt., 10c; oz., 50c.

**New Giant Hybrids mixed.** Pkt., 15c.
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 massing 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. Double, all mixed. Per pkt., 10c; ½ oz., 50c.

PRIMULA MALACOIDES. See page 8.

PRIMULA SINENSIS Fimbriata. "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 allow to larger pots, giving plenty of water. The seed here is of the finest strains, imported direct from one of the best European growers. Each, per pkt., 25c.

PRIMULA OBCONICA GIGANTEA. A charming perennial, 1 to 2 feet. The stem branches and leaf stalks are green; flowers on long stems. Sow the seed early in spring in seed boxes and transplant when large enough. Mixed colors. Per pkt., 10c.

PYRETHRUM. "Golden Feather." A charming plant, blooming the first season from seed and succeeding best in a sunny situation and blooming all summer. The plants should be kept in a partially shaded situation. Flowers the most brilliant colors. Sow the seed same as the preceding varieties. Per pkt., 15c.

PRIMULA SINENSIS STELLATA. "Star Primrose." A new strain of Primula, though the flowers are slightly smaller than P. sinensis fimbriata the plants are of more robust growth and produce flowers much more freely. Choice mixed. Per pkt., 25c.

PRIMULA KEWENSIS. Yellow, very desirable for outdoor culture. Per pkt., 25c.

PRIMULA OBCONICA GIGANTEA. 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. Per pkt., 25c.

PRIMULA MALACOIDES. See page 8.

PYRETHRUM ROSEUM. Perennial 1 to 2 feet. Fern-like foliage and large marguerite-like flowers, very desirable for cutting. Roseum. Rose pink. Per pkt., 15c.

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

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

SALPIDOSSIS GRANDIFLORA. Annual, 1 ½ feet. Free flowering plants for beds and 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, steel blue, purple, etc.; beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough. Mixed colors. Per pkt., 10c.

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

SALVIA PATENS. "Blue Sage." Perennial, 2 feet. Flowering the first season from seed, succeeding best in a partially shaded situation and especially valuable for cutting, lasting a long time in water. Sow the seed from February to April in seed boxes and transplant. The strain I am offering here is a great improvement on the old-standards, a deep shade, a rich and especially valuable for cutting, lasting a long time in water. Sow the seed from February to April in seed boxes and transplant. The strain I am offering here is a great improvement on the old-standards, a deep shade, a rich

RUDBECKIA. Annual, 1 to 2 feet, flowering in summer and early fall. Flowers on long stems, produced in great profusion; colors yellow, pink, rose, crimson, brown, steel blue, purple, etc.; beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough. Mixed colors. Per pkt., 10c.

SALVIA FARINACEA. Perennial, 2 to 3 feet, flowering in summer and early fall. Flowers on long stems, produced in great profusion and especially valuable for cutting, lasting a long time in water. Sow the seed from February to April in seed boxes and transplant. The strain I am offering here is a great improvement on the old-standards, a deep shade, a rich

SCHIZANTHUS. Annual, 1 to 2 feet, flowering in summer and early fall. Flowers on long stems, produced in great profusion; colors yellow, pink, rose, crimson, brown, steel blue, purple, etc.; beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough. Mixed colors. Per pkt., 10c.

ROMNEYA COULTERI. "Matilija Poppy." A native of California; perennial, 6 to 10 feet high and of showy habit. To succeed best in a sunny situation and blooming all summer. The plants should be kept in a partially shaded situation. Flowers the most brilliant colors. Sow the seed same as the preceding varieties. Per pkt., 15c.

SALVIA FARINACEA. Perennial, 2 to 3 feet, flowering in summer and early fall. Flowers on long stems, produced in great profusion; colors yellow, pink, rose, crimson, brown, steel blue, purple, etc.; beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough. Mixed colors. Per pkt., 10c.

SALVIA FARINACEA. Perennial, 2 to 3 feet, flowering in summer and early fall. Flowers on long stems, produced in great profusion; colors yellow, pink, rose, crimson, brown, steel blue, purple, etc.; beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough. Mixed colors. Per pkt., 10c.

SALVIA FARINACEA. Perennial, 2 to 3 feet, flowering in summer and early fall. Flowers on long stems, produced in great profusion; colors yellow, pink, rose, crimson, brown, steel blue, purple, etc.; beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough. Mixed colors. Per pkt., 10c.
TITHOXIA SPECIOSA. See page 9.

TROPAEOLUM CANARIENSE. “Canary Bird Flower.”

VERBENA HYBRIDA GIGANTEA. See page 9.

STOCKS. “Gilliflower.” A favorite annual, succeeding well in California during the winter season. Largely grown for beds or borders, producing a great display of showy and varied colors. Sow the seed early in spring; plants flower the following year.

VERBENA ERINOIDES. “Moss Verbena.” Perennial, 2 to 3 feet, useful for low fences; also for hanging baskets. Sow seed same as the preceding species. Pkt., 15c.

STEVIA SERRATA. Perennial, 2 feet, flowering the first season from seed, furnishing quantities of graceful sprays of very white fragrant flowers, valuable for cutting. Pkt., 10c.

STOCKS. “Gilliflower.” A favorite annual, succeeding well in California during the winter season. Largely grown for beds or borders, producing a great display of showy and varied colors. Sow the seed early in spring; plants flower the following year.

THALICTRUM DIPTEROCARPUM. Perennial, 2 to 3 feet, used widely for cut flowers, lasting a long time in water, very effective for planting in beds or borders. To obtain the best results the seed should be sown in August 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 growing seedlings often come single. The seed I offer is obtained from one of the best specialists and can be relied upon to produce a large percentage of double flowers.

Bisnurex. See Flower Seed Specialties, page 9.

SUNFLOWER. See HELIANTHUS.

SWITCH 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; plants flower the following year.

NEWPORT PINK. Bright pink. Pkt., 15c.

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; plants flower the following year.

TACSONIA MANICATA. “Scarlet Passion Vine.” A large rose-pink flower. Sow the seed in pots or seed pans and transplant. Pkt., 25c.

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Payne’s Sweet Peas

Can be sown at any time from September 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 2” 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.

New Winter Flowering or Long Season Spencer Sweet Peas.

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully two months earlier, they also continue in flower for a much longer period. For Christmas flowering sow in September; later sowing may be made up until March.

Payne’s Spencer Sweet Peas

The Spencer Sweet Peas have 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. This class has now superseded the old large flowered type of sweet peas and there has been great improvement in the varieties in the last few years. I have discarded many of the older varieties for newer and better ones. The following list contains the very best varieties of each color to date.

All White. Pure white, large flowers. Pkt., 25c; oz., $1.00.
Amethyst. Royal purple. Pkt., 25c; oz., $1.00.
Aviator. Dazzling crimson scarlet. Pkt., 25c; oz., $1.00.
Bluebird. Violet blue. Pkt., 25c; oz., $1.00.
Columbia. Pink and white, large. Pkt., 25c; oz., $1.00.
Heregies. Rosy pink, very large. Pkt., 25c; oz., $1.00.
Rose Charm. Bright rose, large. Pkt., 25c; oz., $1.00.
Rose Dore. Rose pink, suffused orange. Pkt., 25c; oz., $1.00.
Sweet Lavender. Pure lavender. Pkt., 25c; oz., $1.00.
Zvolanek’s Rose. Rose pink. Pkt. 25c oz. $1.00.

Early Choice mixed. Pkt., 25c; oz., 75c.

SPECIAL OFFER. Six varieties Payne’s Spencer Sweet Peas in separate packets for $1.00.

We have in stock at all times a greater assortment of flower seeds than will be found in any seed store west of Chicago. An enviable reputation gained through 25 years of consistent effort to procure the best that can be grown is your assurance of fresh, reliable seeds.
California Wild Flower Seeds

The extent and beauty of California's native flowers is just becoming established in the mind of the average home gardener. For many years they were thought of only as "wild flowers," not suitable for planting in anyone's garden, and it is only upon the noticeable lack of them that the thought occurs they were beautiful after all, and well worthy of a place under our particular sun. Their charm lies not only in their exquisite colors and delicate texture but in the romance and personality they give to a garden—they mean something beyond "some flowers."


Agoseria major. "Morning Radiance." Annual, 8 to 12 inches high. Flowers large, on single stems, deep golden yellow. The blossoms open at daylight but close about noon. In the early morning sunlight they provide a brilliant display. Pkt., 15c; ¼ oz., $1.00.


Castilleja californica. "Indian Paint Brush." Perennial, 1 to 2 feet high. Flower bracts deep scarlet. Pkt., 15c.

Cirsium coulteri. "Scarlet Thistle." Biennial, 8 to 12 feet high. A showy plant with whitish green foliage and large crimson-scarlet flowers. Pkt., 10c; oz., $2.00.


Clarkia elegans. "Clarkia." Annual, 3 to 6 feet. A slender growing plant; flowers purple with white and crimson spots. Thrives best in shade. Pkt., 10c; oz., 40c; lb., $5.00.


Dichelostemma cardinalis. "Scarlet Larkspur." Perennial, 8 to 12 feet high. Produces long spikes of bright scarlet flowers. Pkt., 10c; ¼ oz., 75c.

Dichelostemma parryi. "Blue Larkspur." Perennial, 1 to 3 feet high. Flowers large, rich blue. Pkt., 15c; ¼ oz., 75c.

Dendromecon rigidum. "Tree Poppy." Perennial shrub, 4 to 8 feet high. Bright yellow flowers, 3 inches or more in diameter. Seed is hard to germinate. Pkt., 15c; ¼ oz., $1.00.
Godetia grandiflora—“Farewell to Spring”

Gilia achillaeifolia. “Blue Gilia.” Annual, 1 to 1 1/2 feet high. Small violet-blue flowers in dense heads on graceful, slender stems. Pkt., 10c; oz., 35c; lb., $1.00.


Gilia capitata. “Large 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 Gilia achillaeifolia. Pkt., 10c; oz., 40c; lb., $0.80.


Lupinus nanus
“Dwarf Blue Lupine”

Orthocarpus purpureascens
“Owl’s Clover”

Layia elegans
“Tiny Tips”

Gilia disanthoides. “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., 15c.

Gilia tricolor. “Birds’ Eyes.” Annual, 3 to 4 feet high. Flowers pale lilac, yellow toward the center, with five purple spots. Pkt., 10c; oz., 60c; lb., $2.00.

Godetia amoena. “Farewell to Spring.” Annual, 1 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., 10c; oz., 60c; lb., $1.00.

Godetia bottae. “Farewell to Spring.” Annual, 2 to 3 feet high. Flowers pale rose or lilac. Prefers a partially shady place. Pkt., 10c; oz., 75c; lb., $1.00.

Godetia grandiflora. “Farewell to Spring.” Annual, 1 to 2 feet high. Flowers large, delicate pink, marked with rich crimson. A beautiful flower. Pkt., 10c; oz., 60c; lb., $1.00.

Godetia viminalis. “Farewell to Spring.” Annual, 1 to 2 feet high. Upper half of petals lilac with darker blotch; lower half white often with lilac ring at base; very attractive. Pkt., 10c; oz., 60c; lb., $1.00.

Helianthus annuus. “Sunflower.” Annual, 5 to 8 feet high. Flowers yellow with dark brown centers. Pkt., 10c; oz., 60c.


Linanthus densiflorus. “California Phlox.” Annual, 1 to 2 feet high. Flowers in crowded clusters; link and purple with yellow throat. Pkt., 10c; oz., 60c; lb., 3.00.


Lupinus affinis. “Blue Lupine.” Annual, 1 to 2 feet. Flowers blue and purple. Pkt., 15c; oz., 35c; lb., $0.60.

Lupinus arboreus. “Yellow Tree Lupine.” Shrubby perennial, 4 to 10 feet high. Flowers rich sulphur yellow. Pkt., 15c; oz., 75c.

TREES, SHRUBS, AND VINES
CALIFORNIA NATIVE PLANTS

Successful Gardens

25

A result from our No. 1 Mixture

Lupinus cytisoides. "Canyon Lupine." Perennial, 4 to 6 feet high. Flowers in long racemes, deep pink or rose purple and very showy. Pkt., 15c; oz., 70c.

Lupinus densiflorus. "White Lupine." Annual, 1 to 1½ feet high. A stout, branching plant with rich green foliage and white flowers in dense whorls. Pkt., 15c; oz., 70c.

Lupinus densiflorus. (Purple-flowered form.) A form of the preceding with purple flowers. Pkt., 15c; oz., 70c.


Lupinus menziesii. "Yellow Lupine." Annual, 1 to 2 feet high. Flowers rich yellow. Pkt., 15c; oz., 70c.

Lupinus nanus. "Dwarf Blue Lupine." Annual, 10 to 15 inches high. A very showy plant; flowers rich blue and white, fragrant. Pkt., 10c; oz., 40c; lb., $2.00.


Malacothrix californica. "Wild Marigold." Annual, 6 to 12 inches high. Flowers large, resembling a calendula or marigold, cream and yellow, beautifully blended. The blossoms are on single stems and open at daylight but close later in the day. They are produced in great numbers and present a wonderful sight in the early morning sunlight. A pretty little plant doing especially well in sandy soil. Pkt., 15c; ½ oz., $1.00.

Malacothrix glabrata. "Desert Marigold." Annual, 6 to 12 inches high. Flowers large, creamy yellow. Pkt., 15c; ½ oz., $1.00.

Mecanopsis heterophylla. "Flaming Poppy." Annual, 1 to 2 feet high. Flowers salmon-colored or brick red. Pkt., 15c.

Mimulus brevipes  "Yellow Monkey Flower"

Platystemon californicus  "Cream Cups"

Mentzelia lindleyi  "Blazing Star"

Pentstemon heterophyllus.  "Violet Beard Tongue." Perennial, 1 1/2 to 2 feet high. Flowers trumpet shaped, royal purple marked with pink. Pkt., 15c.

Pentstemon palmeri.  "White Pentstemon." Perennial, 1 1/2 to 2 1/2 ft. high. Flowers large, creamy white shaded with pink. Pkt., 15c.


Phacelia campanularia.  "Bell-flowered Phacelia." Annual, to 1 1/2 feet high. Flowers intense bright blue. Pkt., 15c; oz., $1.00.

Phacelia grandiflora.  "Large Flowered Phacelia." Annual, 1 to 3 feet high. Large saucer-shaped flowers, lavender, beautifully veined with violet. Pkt., 10c; oz., 70c.

Phacelia parryi.  "Parry's Phacelia." Annual, 1 to 1 1/2 feet high. Flowers saucer-shaped, deep violet, generally with five yellow spots. Pkt., 10c; oz., 70c; lb., $8.00.

Phacelia tanacetifolia.  "Wild Heliotrope." Annual, 1/2 to 2 1/2 feet high. Flowers lavender blue. Pkt., 10c; oz., 70c; lb., $8.00.


Phacelia whitiiavis.  "Wild Canterbury Bell." Annual, 1 to 1 1/2 feet high. Large bell-shaped flowers hanging in open, airy clusters; color violet purple. Pkt., 10c; oz., 60c; lb., $7.00.


Sow California Wild Flower Seeds

The ease and economy of planting California Wild Flower Seeds is matched only in the beauty of the effect secured. The unlovely vista pictured below is but one of many that lend great possibilities in the development of a really beautiful setting of native flowers, all of which may be secured at a very minimum of initial cost and no expense of maintenance. Under ordinary conditions the No. 1 Mixture listed on the opposite page is the best for this work; we gladly advise in the case of a special requirement and do the planting if so desired.
California Wild Flower Seed Mixtures

The mixtures numerically listed below are a result of twenty-five years of observation and intensive study of the native flora of California, both from scientific and practical standpoints. They contain only the true wild species, and are mixed in the right proportions to produce a succession of flowers over a long period. All are annual varieties, very hardy and require nothing beyond natural conditions to produce their maximum.

General Mixtures
We particularly recommend these mixtures for sowing on unused pieces of ground, parking, vacant lots etc. Each mixture has an established reputation, as the many letters of praise we have received will prove. It contains twenty distinct species mixed in their right proportions and will produce a succession of bloom for a long period. Many odd corners and unsightly pieces of unused ground can be transformed into beauty spots by sowing some of these seeds in the Fall during the rainy season coming.

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., 10c; oz., 50c; ½ lb., $1.50; lb., $5.00.

Payne’s Mixture. No. 2. Mixture of annual wild flower seeds for sowing in shady places. Pkt., 10c; oz., 50c; ½ lb., $1.75; lb., $7.00.

Payne’s Mixture. No. 3. Mixture of annual wild flower seeds in orange, yellow and cream shades. Pkt., 10c oz., 50c; ½ lb., $1.75; lb., $7.00.

Payne’s Mixture. No. 4. Mixture of annual wild flower seeds in blue, purple and lavender shades. Pkt., 10c; oz., 50c; ½ lb., $1.75; lb., $6.00.

Caution
As a result of our twenty-four years of effort in bringing before the public the beauty of California Wild Flowers there is now a considerable demand for these seeds. It is a regrettable fact that some seed stores have resorted to the practice of selling well known varieties of flowers as wild species. Some of these are cultivated forms of wild flowers, greatly changed, and in many cases much inferior to the original types and others are not native species at all. The No. 1 Mixture has been imitated with an inferior mixture of such flowers and sold at a price at which the true native species could not be furnished. In buying your seeds, be sure of getting the true wild species.

How to Sow Wild Flowers
Cultural Notes. In sowing California wild flower seeds follow nature as closely as possible, scatter the seeds broadcast over the ground and let them come up after the rains commence. Wherever practicable it is best to work up the surface of the ground and pulverize with a fine rake; afterwards the seeds can be scattered broadcast over the ground. A very good time is just before a rain, or even while it is raining, if it can be so arranged. They require practically no further attention, and will succeed with an average amount of rainfall without artificial irrigation. In dry years, of course, watering would be beneficial, and in cases where very quick results are desired, frequent waterings will produce a quicker growth. The seeds can also be sown later on in the season, up to about February, and if sprinkled frequently many species will flower quite profusely.

In the eastern states the seed should be sown in spring after danger of frost is over. Most species will prove successful there, and be highly prized.

The No. 1 Mixture of Wild Flower Seeds
This mixture has been especially prepared from selected seeds of California’s finest wild flowers, carefully and scientifically mixed to produce wonderful flowers over a long season— as one group ceases to flower, another takes its place, commencing to flower in the early spring and continuing on into late summer. It should not be confused or compared with the many mixtures now offered as a result of the world-wide popularity that this mixture enjoys.

As a gift from Southern California to garden lovers in any part of the world it will prove a most expressive one—and a most acceptable one. They do well wherever there is a bit of sunshine and require no care after sowing.

Packet 10; ounce 50c; ½ lb. $1.50; 1 lb. $5.00.

Successful Gardens

Surprise Garden Mixture
For those who wish quantities of flower seeds for sowing on vacant ground and desire a less expensive mixture than the No. 1 Mixture of California Wild Flower Seeds, we have prepared a Surprise Garden Mixture which we are confident will be found superior to any such mixture offered by other firms. It is not a mixture of wild flowers, but of garden annuals, with a few wild species added. It contains a large number of different kinds, all of them quite hardy and varieties that will grow with the least amount of care and produce quantities of flowers for a long period. Indeed, there are so many kinds appearing in endless succession that it is a continual surprise from the time the first plant begins to blossom. We recommend it for vacant lots and unused pieces of ground. Pkt., 10c; oz., 35c; ½ lb., $1.20; lb., $4.00.

Special Souvenir
Collection of California Wild Flower Seeds
This collection contains twelve choice species in separate packets, all annuals of easy culture, including California Poppies, Baby Blue-Eyes, Blue Lupines, Blazing Stars, Wild Heliotrope, Blue Gilia and six others equally beautiful.

Mailed to any part of the world

$1.00

New Wild Flower Booklet
A new and enlarged edition of “California Wild Flowers; Their Culture and Care,” will be ready for distribution in February. Many new species and illustrations, together with detailed information on their culture and adaptability to given locations, will be the feature of this new booklet and it will prove an invaluable reference to those interested in the native flora of California. Price 25c, postpaid.

Naturalistic Gardens
The charm of a California landscape is measured by the number of natural flowers and shrubbery that abound upon it. Barren slopes or open areas can be treated economically and attractively with the native vegetation where an alternative would be difficult to contemplate. Owners of acreage for subdivision will find that a planting of wild flowers will stimulate interest in their holdings, creating a quicker and more favorable disposal and costing considerably less than a mediocre campaign of advertising. Estimates furnished and correspondence invited.
Lawn Grass and Clover Seeds

In the making of a successful lawn the first requirement is good seed. The many so-called “grades” of Blue Grass and Clover seeds with their corresponding prices often tempt the unsuspecting lawn maker into purchasing seeds that will prove very expensive in the long run. So much labor and time is necessary in the preparation of the soil that it is poor economy to try and save a few cents in buying seed of unknown quality. We carry in stock only the very best grade, and offer it to the public only after a thorough test on our own premises.

**KENTUCKY BLUE GRASS.** This is the grass generally used for lawns in Southern California. I handle only the best grade of seed. Lb. 60c, 10 lbs. $5.50.

**WHITE DUTCH CLOVER.** Largely used for mixing with Kentucky Blue Grass, making an excellent lawn. Seed of the best quality. Lb. 80c, 10 lbs. $7.50.

**AUSTRALIAN RYE GRASS.** Often used for making a quick lawn. It requires less moisture than Blue Grass, and will grow on soils where the latter will not thrive. Lb. 35c, 10 lbs. $3.20, postpaid.

**PACIFIC RYE GRASS.** Similar to the Australian Rye Grass, but finer. Recommended for lawns. Lb. 40c, 10 lbs. $3.30, postpaid.

**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. Imported seed, lb. $1.25.

**DIRECTIONS FOR MAKING A NEW 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 continuously 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 a few 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.

**HOW TO RENOVATE AN OLD LAWN**

An old lawn infested with Bermuda Grass, better known as “Devil Grass,” can be restored to its earlier green and velvety appearance by the following method.

Stop watering the lawn about August 1st and allow it to remain dry about a month. Then rake out the Bermuda Grass with a special Bermuda Grass Rake which is made especially for that purpose, raking first in one direction and, after the grass has been closely clipped with a mower, rake it in an opposite direction and then mow a second time. Mix equal parts of Blue Grass and White Clover and sow broadcast over the lawn, covering about one-eighth inch of soil over the entire surface. Water several times a day during the first few days, then once a day until a good growth is started. In four to six weeks mow the lawn again and apply a light dressing of Commercial Lawn Fertilizer to insure a luxuriant growth through the winter.

**LAWNS FERTILIZERS**

**NO. 1 GRADE, COMMERCIAL 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. 60c, 25 lbs. $1.25, 50 lbs. $2.50, 100 lbs. $3.75, by express or freight.
Vegetable Seeds for the Home Garden

In every home there is some decided preference for certain varieties of vegetables. Why not use that piece of ground along the back fence for growing your own? You know there is nothing so appetizing as fresh vegetables, right out of the ground, and it furnishes a real interest and healthful recreation for at least one member of the family. Select your favorite sorts from the following pages and plant a vegetable garden this year.

NOTE—All prices are postpaid anywhere in the United States; add 14c per pound on foreign orders. Write for attractive prices on large quantities.

ARTICHOKE

**Cultivation.**—**Artichokes** are perennial plants, the roots of which should be kept in moist soil from autumn until spring. Plant in rows 1 to 2 feet apart, and 2 to 3 feet apart in the rows.

**Culture.**—Set out the roots in a bed of sandy soil in the fall or early spring. The soil should be well-fertilized and manured. The plants should be set so that when the plants are 2 feet high the crowns will be 1 foot above the ground. Pkt. 10c; oz. 90c; lb. 30c.

**ASPARAGUS**

**Cultivation.**—**Asparagus** should be planted in fall or early spring. Sow early in spring in beds or drills and keep well watered and cultivated. The following winter transplant to a mellow soil in drills 2 inches deep and 2 feet between the rows. The ground must be well manured and trenched 2 feet deep or more, and the plants should be set so that when established the crowns will be 8 inches above the surface. Pkt. 10c; oz. 90c; % lb. 45c; lb. $1.25.

**Culture.**—Soak the seed in warm water for 24 hours and sow in drills 14 inches apart; keep well watered and cultivated. The plants should be set so that when established the crowns will be 8 inches above the surface. Pkt. 10c; oz. 90c; % lb. 45c; lb. $1.25.

**GIANT ARGENTEUIL.** A favorite variety in the Paris markets and now in great demand in this country. Pods straight, entirely stringless, brittle and of good flavor. Pkt. 10c; oz. 20c; % lb. 50c; lb. $1.50.

**PALMETTO.** The standard market variety, bright green color. Pkt. 10c; oz. 20c; % lb. 45c; lb. $1.25.

**BEANS**

**Frijoles—Bohne—Haricots Nains**

**DWARF OR BUSH**

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

**POLE OR RUNNING BEANS**

**Culture.**—Plant in rich soil in hills 3 feet apart each way. Place an 8 ft. stake to each hill around which the beans are not obtainable.

**Culture.**—Plant in rich soil in hills 3 feet apart each way. Place an 8 ft. stake to each hill around which the beans are not obtainable.

**Culture.**—Set out the plants in the fall or early spring. Sow early in spring in beds or drills and keep well watered and cultivated. The following winter transplant to a mellow soil in drills 2 inches deep and 2 feet between the rows. The ground must be well manured and trenched 2 feet deep or more, and the plants should be set so that when established the crowns will be 8 inches above the surface. Pkt. 10c; oz. 90c; % lb. 45c; lb. $1.25.

**MONSTROUS BUSH LIMA.** The largest of all the limas and exceedingly prolific. 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 the best lima bean. Pkt. 10c; % lb. 35c; lb. 60c.

**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 IMPROVED BUSH.** Earlier and more productive than the Burpee's Bush. Both the pods and beans are of enormously size. One of the most valuable of late introduction. Pkt. 10c; % lb. 25c; lb. 35c.

**FORDHOOK BUSH LIMA.** Produces pods 3 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. 10c; % lb. 20c; lb. 35c.

**KING OF THE GARDEN—POLE LIMA.** Produces pods 3 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. 10c; % lb. 25c; lb. 35c.

**ENGLISH OR BROAD BEANS**

**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 off the top of each stem. The plants are quite hardy and bear in winter or early spring. The beans are of enormous size. One of the most valuable of late introduction. One of the most valuable of late introduction. Pkt. 10c; % lb. 25c; lb. 35c.

**BROAD WINDSOR.** An old favorite variety. Pkt. 10c; % lb. 25c; lb. 35c.
BEETS
Remolacha—Rothe Ruebe—Betterave
Culture.—Sow in drills 18 inches apart and cover 1 inch deep. When roots are large enough thinned out to 6 inches apart. Beets can be planted in Southern California the year round. One ounce will sow 50 lb. 35c; lb. $1.00.

CROSBY'S EGYPTIAN. A selection from the 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. 10c; oz. 15c; ¼ lb. 40c; lb. $1.25.

DETROIT DARK RED. One of the very best for eating or home use. Roots very small; roots globe shaped, dark blood red, tender and sweet. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. $1.10.

ECLIPSE. Extremely early, round, blood red, small tops. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. $1.00.

EDMANN'S EARLY BLOOD TURNIP. Of finest quality, extra early. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. $1.00.

SWISS CHARD, LUCULLUS. A superior variety with large, crumpled leaves, very tender and of fine flavor. The stalks are very heavy, 1½ 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. 10c; oz. 15c; ¼ lb. 25c; lb. $1.00.

BRUSSELS SPROUTS
Hera de Bruselas—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. 10c; oz. 30c; ¼ lb. 50c; lb. $2.75.

CABBAGE
Repolla—Kopfkohle—Chou Pomme
Culture.—Sow in seed beds at intervals for succession. The early varieties in August and each month following until April. The Drumhead varieties sow in spring for late crop. Transplant when large enough to rows 1½ feet apart and 1½ feet in the rows for the early sorts, and 3 feet apart each way for the later varieties. Take care to set the stems in the ground up to the first leaf. Cabbage requires a rich, well-manured soil and should be hoed or cultivated frequently, drawing the soil slightly up around the stems. One ounce will sow a bed of 40 square feet and produce 2000 plants.

DANISH BALL HEAD. Of medium size, heads round, very solid and a good shipper. One of the best winter varieties and an early producer. Pkt. 10c; oz. 40c; ¼ lb. $1.50; % lb. $4.00.

EARLY WINNIGSTADT. The favorite market variety, both for shipping and local sale. Heads cone shaped, very solid and of excellent quality. Every stock produces a head. Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.00.

LARGE LATE DRUMHEAD. A well known late sort, produces immense compact heads. Pkt. 10c; oz. 30c; ¼ lb. 80c; lb. $2.50.

PREMIUM FLAT DUTCH. A favorite variety for winter, large and of excellent quality. Every stock produces a head. Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.00.

RED DRUMHEAD. For pickling; large, deep red and fine flavor. Pkt. 10c; oz. 30c; ¼ lb. $1.25; lb. $3.50.

CARROT
Zanahoria—Moehe—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 18 inches apart, covering the seed lightly. When the plants are large enough thin out to 5 to 6 inches apart in the rows. One ounce will sow 150 feet of drill. Three pounds per acre.

DANVERS' HALF LONG. A standard variety. Roots about 6 inches long, rich orange color, very symmetrical. Pkt. 10c; oz. 30c; ¼ lb. $1.50; % lb. $4.50.

EARLY FRENCH FORCING HORN. The smallest and earliest variety grown; much used for forcing. Roots nearly round. Pkt. 10c; oz. 30c; ¼ lb. 45c; lb. $1.50.

IMPROVED LONG ORANGE. Very long, handsome round roots. Thicker than the standard and also for stock feeding. Pkt. 10c; oz. 30c; ¼ lb. 45c; lb. $1.25.

OXHEART OR GUERANDE. The favorite table sort, of small size. Roots about 5 inches long and 4 or 5 inches in diameter at the top, stump rooted, easily pulled and best for heavy soils. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. $1.25.

CALIFORNIA GROWN CAULIFLOWER
For years it was considered necessary to import all our cauliflower seed from Europe, but now the best cauliflower seed for Southern California is grown right here at home. About 90% of the cauliflower grown here for market is produced from California seed. I have made arrangements with one of the best growers in Southern California to supply this seed.

California Early Giant. Large solid heads, the best for early market. Pkt., 10c; % oz., 65c; oz., $2.00; % lb., $6.65; lb., $20.00.

California Second Early Giant. Larger than the preceding, for main crop. Solid heads and well protected by foliage. Pkt., 10c; % oz., 65c; oz., $2.00; % lb., $6.65; lb., $20.00.

California Late Giant. Very large, for late market use. Pkt., 10c; % oz., 65c; oz., $2.00; % lb., $6.65; lb., $20.00.

CELERY
Apio—Sellerie—Celeri
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 transplant in well manured furrows, 4 feet apart, and about 8 inches deep. Place the plants 8 inches apart in the rows. One ounce will sow 100 feet of drill. Mucked over by the French as a salad.

GOLDEN SELF-BLANCHING. (California-grown seed.) Pkt. 10c, oz. 30c; ¼ lb. $2.65, lb. $8.00.

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. 10c; 40c; ¼ lb. $1.35; lb. $3.50.

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. 10c, oz. 35c; ¼ lb. $1.20, lb. $3.50.

CHICORY
Achicoria—Chicoria—Chicoree
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. Mucked over by the French as a salad.

COMMON OR WILD. "Chicoree Amere." The roots may be transplanted in the fall into sand in a collar. The young shoots which soon come up form the "Barbe de Capucin," a salad much used in France. Pkt. 10c; 40c; ¼ lb. $1.35, lb. $3.50.

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. 10c, oz. 40c; ¼ lb. $1.35, lb. $4.60.
CHAYOTE

Culture. A rapid growing perennial vine, valuable for covering fences, sheds, etc., growing thirty feet or more. Plantings may be made up until August. Select good, rich, mellow soil, and sow in hills 4 feet apart each way, 8 to 10 seeds in a hill, covering 1 inch deep with well pulverized soil. After danger from insects is over, thin out to the four strongest plants. One ounce will plant 50 hills, or 2 pounds to one acre.

CORN

Maïs—Weizenkorn—Maïs

Culture. Sow any time from March to end of June, in drills or hills. The smaller varieties may be planted in drills 3 feet apart and 1 foot apart in the rows, or in hills 3 feet apart each way, covering 1 inch deep with 2 inches. The taller varieties, 4 feet by 15 inches, or in hills 3 feet apart each way, covering 1 inch deep 4 inches. The vine is propagated by planting the whole fruit in the ground. Sprouted, each, 35c.

CHERVIL

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.

CRESS OR PEPPER GRASS

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.

CUCUMBER

Pepino—Gurke—Concombre

Culture. As soon as the weather becomes warm and settled commence sowing 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, 8 to 10 seeds in a hill, covering 1 inch deep with well pulverized soil. After danger from insects is over, thin out to the four strongest plants. One ounce will plant 50 hills, or 2 pounds to one acre.

DANDELION

Amargon—Kuhblume—Pissenlit

Culture. May be sown any time, in drills 12 inches apart, covering the seed very lightly. Much esteemed as a salad. LARGE LEAVED. Pkt. 10c, oz. $1.50.

EGG PLANT

Berenzen—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 raised at an 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.

BLACK BEAUTY. Large, rich, dark purple, very early. Pkt. 10c, oz. 75c, % lb. $2.50, lb. $7.50.

NEW YORK IMPROVED PURPLE. The leading variety both for market and home use. Pkt. 10c, oz. 75c, % lb. $2.50, lb. $7.50.

ENDIVE

Escarola o Endibia—Endivien—Chicoree

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

BROAD LEAVED BATAVIAN. (Scarola.) Leaves large, green, broad and nearly plain. When blanched, makes an excellent salad. It is also used for flavoring soup and stews, and is sometimes cooked as greens. Pkt. 10c, oz. 75c, % lb. $2.50, lb. $7.50.

FRENCH MOSS CURLED. (Chicoree Frisée.) Leaves deeply cut and curled, giving it a moss-like appearance. Pkt. 10c, oz. 25c, % lb. 75c, lb. $2.00.
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.

LONDON FLAG. Grows from 1½ to 2 feet high; the variety most generally used. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. $2.00.

THOUSAND HEADED. A heavy bearing variety with smooth leaves. Used for poultry and stock food. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. $1.25.

KOHL RABI

Colluno—Kohlrabi—Chou-rave

Culture. Sow in drills 2 feet apart any time from July to April. The latter is preferable for summer planting, 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. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.00.

EARLY PURPLE VIENNA. Similar to the above, but of purple color. Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.00.

LEEK

Puerro—Lauch—Poireau

Culture. Sow in good rich soil any time from September to April in drills 1½ inches apart, and ¾ inch deep, and thin to 1 inch apart. One ounce will sow 100 feet of drill.

LONDON FLAG. Large and uniform in shape. A popular market sort. Pkt. 10c; oz. 35c; ¼ lb. $1.15; lb. $3.50.

LETTUCE

Lechuga—Salat—Laitue

Culture. Can be sown at any time in California, in drills 1½ inches apart, covering the seed very lightly; when 6 inches tall, thin out one plant to a foot in two rows. Or the seed may be sown in beds and transplanted to 10 inches apart. One ounce will sow 100 feet of drill.

BIG BOSTON. One of the best for California; succeeds well under great variations of temperature. Heads large, solid, crisp and tender. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. $2.00.

EARLY CURLED SIMPSON. Large, curly leaves, forms large, loose heads; a favorite early sort. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. $1.50.

ICEBERG. A popular summer variety; heads well, even in the hottest weather; large, crisp and remarkably solid. Pkt. 10c; oz. 25c; ¼ lb. 65c; lb. $2.00.

CASABAS

CASABA, OR WINTER PINEAPPLE. Large, oval, skin corrugated, grayish green color; flesh firm, 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 easiest and most plentiful melons in the United States and shipped east by the carload. Pkt. 10c; oz. 20c; ¼ lb. 56c; lb. $1.50.

MUSKMELON

Melon Almuziceno—Canistupen—Muscade

Culture. May be planted from March to end of June. Select light, sandy soil. Size of seed as 6 feet apart, while 6 seeds in a hill and 1 inch deep. When large enough, thin 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. 10c; oz. 25c; ¼ lb. 60c; lb. $1.75.

GAUTIER'S PINEAPPLE. This is the favorite melon on the Los Angeles market. Oval, skin thickly netted: flesh green and of delicious flavor. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. $1.75.

HONEY DEW. This new melon is the latest and best development in melon culture. Outer skin smooth, creamy white, flesh light green, very solid and of rich honey flavor. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. $2.25.

PERSIAN. New yellow-fleshed variety, sweet distinct flavor. Heavily netted but smooth rind. Good keeper all year around. Pkt. 10c; oz. 50c; ¼ lb. $1.65; lb. $5.00.

TIP TOP. Almost round, of medium size. Flesh yellow, firm and of delicious flavor, edible almost to the rind. A melon of attractive appearance, selling quickly in all the markets. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. $1.50.

ROCKY FORD. Slightly oval in shape, finely netted, very regular and even in size, weighing about 1½ pounds, flesh light green in color, 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 easiest and most plentiful melons in the United States and shipped east by the carload. Pkt. 10c; oz. 20c; ¼ lb. 56c; lb. $1.50.

SANTA CLAUS. A very late variety. Oblong, mottled yellow and green, flesh light green and of rich flavor. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. $2.00.

MARKET GARDENERS—Write for attractive prices on large quantities. Use the order sheet for your want list and we will gladly quote the latest market prices.

MUSHROOM SPAWN

Seta—Schwam—Champignon

Culture. Mushrooms can be grown in cellars or sheds, made by filling newspapers with water to a depth of 60 will inch and degree of temperature in the shed. Seed the newspapers in small pieces 6 inches square. Mold up the newspapers as soon as the temperature of the bed falls to about 70 degrees the spawn may be inserted in pieces about 1 inch square in the earth. Good spawn can be mixed with earth or sawdust and placed in the earth. The mushrooms should appear in from six to eight weeks.

ENGLISH MUSHROOM SPAWN. In bricks of about 1 lb. Per brick 40c; 5 bricks, $1.75.
MUSTARD

Mustana—Sen—Moutarde

Culture. Sow at frequent intervals for succession. Use for greens and cooked like Spinach, sometimes cut when about 2 inches high and usually 3 inches high. Pkt. 10c; oz. 25c; lb. $1.25.

SOUTHERN CURLED.

Very large leaves, often 16 inches in length; the best sort for greens. Pkt. 10c; oz. 20c; ¼ lb. 40c; lb. $1.25.

OKRA

Quimbombo—Essabaré—Gombo

Culture. Sow from March to July, in drills 3 feet apart, covering the seed 2 inches deep; thin out the plants to 10 inches apart in the rows, cultivate well, and draw the earth up slightly around the stems. One ounce of seed will sow 60 feet of row.

EARLY DWARF. Of dwarf, stocky growth, very prolific, producing pods 10 days earlier than the tall varieties and smooth. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. $1.25.

WHITE VELVET. Of tall growth; long, round, smooth pods with a whitish, velvety covering. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. $1.25.

ONION

Cebolla—Zwivel—Ognou

Onion requires a rich, moist soil; rich, low land is best. It may be either sandy loam or black soil, but should have plenty of natural moisture. Pods long and smooth. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. $1.25.

Californian. A new variety early in size and flavor. Color is a light straw yellow. A heavy producer of uniform quality onions at a time when prices are good. Pkt. 10c; oz. 40c; ¼ lb. $1.35; lb. $4.00.

ONION SETS

Australian Brown, White and Yellow Sets. Per lb. 40c. Price on large quantities on application.

PARSLEY

Pittelj—Petersalie—Petcit

Culture. May be sown the year round in California. Sow in good, rich soil, in drills 15 inches apart, covering the seed half an inch deep. When the plants are 3 or 3 inches high, thin out to 5 inches apart in the rows. One ounce of seed will sow 100 feet of drill.

CHAMPION MOSS CURLED.

Beautifully curled leaves, deep, rich green. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. $1.75.

PARSNIP

Cherviv—Pastivake—Paranich

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 2 or 3 inches high, thin out to about 5 inches apart in the rows. One ounce of seed will sow 100 feet of row, or 6 pounds to one acre.

HOLLOW CROWN. The standard sort. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. $1.75.

PEAS

Chicharo o Gulasante—Erhosen—Pols

Culture. May be sown the year round in California. They will grow in almost any soil, but a deep, rich loam is best for main crop; the early varieties for 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 sticas to climb over. For the field crop it requires from 60 to 80 pounds to the acre; for home garden, plant one pound to 60 feet of row.

FIRST EARLY VARIETIES

AMERICAN WONDER. Extra early, dwarf, compact grower, wrinkled peels of the finest quality. Height 1 foot. Pkt. 10c; ½ lb. 20c; lb. 35c.

PREMIUM GOMBO. A popular early dwarf wrinkled variety. Grows about 18 inches high and bears a heavy crop of good-sized pods filled with 8 to 8 peas of the finest quality. Pkt. 10c; ½ lb. 20c; lb. 35c.

GRADUS, OR PROSPERITY. The finest early pea yet introduced. Almost 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. 10c; ½ lb. 20c; lb. 35c.

SECOND EARLY VARIETIES

ADMIRAL OR SENATOR. A new sort introduced on our local market about three years ago. It is a good second early pea, has thick green foliage, and bears abundantly. Pkt. 10c; ½ lb. 20c; lb. 35c.

STRATAGEM. One of the best peas in cultivation; pods large and well filled: of the finest flavor. Grows about 2½ feet high. Pkt. 10c; ½ lb. 20c; lb. 35c.

YORKSHIRE HERO. The popular market variety in this locality. Grows about 2½ feet high, is of fine quality, and a good bearer. Pkt. 10c; ½ lb. 20c; lb. 35c.

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. 10c; ½ lb. 20c; lb. 35c.

TELEPHONE. A late variety; grows 5 feet high, produces very long pods, well filled with 8 or 9 large peas of the finest quality. Pkt. 10c; ½ lb. 20c; lb. 35c.
**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, transplant them 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.  

**Chinese Giant.** Of very large size, averaging 10 to 12 inches long, smooth, and of the best for stuffing; flesh thick, tender and mild. Pkt. 10c, oz. 90c, ¼ lb. $1.20; ½ lb. $4.00; lb. $12.00.

**Long Red Bell, or Bull Rose.** Large, early and very productive. Flesh thick and mild, much used for stuffing. Pkt. 10c, oz. 90c, ¼ lb. $2.65, lb. $6.90.

**Pimiento.** 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. 10c, oz. 90c, ¼ lb. $2.00, lb. $6.00.

**PETATOES**

*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, TRUMPICH OR SIX WEEKS AND BURBANK.** Prices on application.

**PUMPKIN**

*Calabaza—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 sweet; good keeper. Pkt. 10c, oz. 90c, ¼ lb. 35c, lb. $1.00.

**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. 10c, oz. 90c, ¼ lb. 90c; lb. $1.75.

**Quaker Pie.** Of medium size, slightly oval, skin rich creamy but flesh fine grained and of rich flavor. A good keeper. Pkt. 10c, oz. 90c, ¼ lb. 50c, lb. $1.50.

**FIELD PUMPKIN**

**California Field,** the well-known Field Pumpkin so largely grown for stock. Varies in color from yellow, orange to red. Very large and a heavy bearer. Pkt. 10c, oz. 90c, ¼ lb. 45c; lb. $1.25.

**Large Sweet Field.** Very large, a favorite variety in this section, heavy yielder and good for stock feeding or for pies. Pkt. 10c, oz. 90c, ¼ lb. 45c, lb. $1.25.

**Rhubarb—Pie Plant**

*Rhubarbo—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.

**Wagner's Giant Crimson Winter.** A superior variety, producing stems twice as large as those of the ordinary Crimson Winter, and has been known to yield as high as 20 tons to the acre. It is unsurpassed in flavor and is in great demand on the local market. Pkt. 10c, oz. 90c, ¼ lb. 65c, lb. $1.50.

**SALSIFY**

*Oxion Vegetal—Haferwurzel—Salaisis*

**Culture.** Sow from February to May, in deep, rich soil, 3 inches apart in the rows. One ounce of seed will sow about 200 hills, or 2 pounds to one acre.

**Mammoth Sandwich Island.** Very large roots, tender and of rich flavor. Pkt. 10c, oz. 25c; ¼ lb. 85c; lb. $2.50.
SOREL

Acedara—Sauerampfer—Oseille

Culture. Sow in spring, in drills 15 inches apart, in rich well-culti¬
vated garden soil. The plant is perennial, and can be taken up every few years and divided. The flower stem bears two rows of tubular flowers. The leaves are arrow-shaped and spiny, and are also used in soups.

LARGE LEAVED FRENCH. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. $2.50.

SPINACH

Espinaña—Spinat—Épinard

Culture. Can be sown the year round in California, in drills 15 inches apart. The young leaves are cooked like spinach, and are also used in soups. One ounce will sow about 20 feet of row, or 12 pounds to one acre.

NEW ZEALAND. Produces large leaves, of thick, fleshy texture. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. $1.50.

PRICKLY OR WINTER. The hardiest variety and the one generally grown for market. Large, smooth leaves shaped like an arrow point. Pkt. 10c; oz. 15c; ¼ lb. 25c, lb. 60c.

VIORPLAY. Exceedingly tender and delicious flavor. Large smooth leaves. One of the best for commercial or home use. Pkt. 10c, ¼ lb. 20, lb. 60c.

SQUASH

Calabacera—Kuerbis—Courge

Culture. As soon as the weather has become warm and danger from frost is over, transplant to the open ground, placing them from 5 to 8 feet apart each way. Protect from cold, and thin out to the three strongest plants. One ounce will sow about 40 hills, or 3 pounds to 1 acre.

SUMMER VARIETIES

BANANA. Grows from one to two feet long. Skin varies from bright yellow to light green. Excellent quality, very sweet. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. $1.50.

EARLY WHITE BUSH CALLOPED. Very early, creamy white, flat and scalloped; 4 to 6 inches in diameter; exceedingly prolific. Pkt. 10c, oz. 20c, ¼ lb. 45c, ½ lb. $1.25.

ENGLISH VEGETABLE MARROW. Large, oblong, pale green, grows from 12 to 18 inches long. Makes a late crop, and should be planted 7 to 8 feet apart. Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.75.

ITALIAN OR ZUCCHINI. A bush squash of great merit; rich, creamy flavor and high in vitamins; bears heavily. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. $2.00.

SUMMER CROOK-NECK. Long, with crooked neck; bright golden, thickly warty; very rich flavor. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.

WINTER VARIETIES

HUBBARD. The popular winter squash. Oblong and pointed, dark green, heavily warted. Flesh orange-colored; a splendid keeper. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.

TOMATO

Gitomate—Liebespfl—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, placing them about 1 inch apart each way. Protect from cold, and establish gradually in the open ground, placing them about 2 feet apart. When all danger from frost is over, transplant to the open ground, placing them from 3 to 8 feet apart each way. Later sowings can be made in the open ground. In all beds or drills, after danger from cold is past. In frostless localities where winter tomatoes are grown, the seed can be sown from June to mid-August and harvested during September. One ounce of seed should produce about 200 plants.

PONDEROSA, OR BEEFSTEAK. A favorite sort for the home garden; of immense size, sometimes weighing from two to three pounds each; very few seeds. Pkt. 10c, oz. 75c; ¼ lb. $2.50; lb. $7.00.

SAN JOSE CANNER. A fine smooth tomato for main crop, largely used for canning for reason of its tremendous yield of large tomatoes of irregular size. Pkt. 10c; oz. 75c; ¼ lb. $2.50; lb. $7.50.

SPARKS' EARLIANA. Extra early, deep scarlet, large, smooth, solid and of the finest quality. The earliest large tomato grown. Fruit in clusters of five to seven. Size 2½ inches in diameter. Pkt. 10c; oz. 50c; ¼ lb. $1.65; lb. $5.00.

STONE. A favorite sort for general crop, shipping and canning. Large, smooth, bright scarlet, very solid and a good bearer. Pkt. 10c, oz. 50c, ¼ lb. $1.75, lb. $10.00.

PAYNE'S VICTORY. An extremely heavy bearer, frequently producing 20 tons to the acre. Very sweet, high sugar content. Deep rich red inside and out, smooth skin, solid meat with very few seeds. Medium size and uniform shape. The finest tomato ever grown for either table or canning. Pkt., 15c.; oz., 75c; ¼ lb., $3.50; lb., $6.00.

WATER CRESS

Berro—Brunnenkresse—Cresson de fontaine

Culture. Sow the seed by the side of running water or in a damp place. Pkt. 10c, oz. 60c, ¼ lb. $2.00.

HERBS

Per pkt. 10c.

Anise  
Basil, Sweet  
Borage  
Caraway  
Catnip  
Lavender  
Sage  
Thyme, Broad Leaved

Vegetable Plants and Roots

We can supply plants or roots of Artichoke, Cabbage, Cauliflower, Chives, Egg Plant, Horseradish, Peppers, Rhubarb, Sweet Potatoes and Tomatoes at either of our stores during their seasons but do not advise nor guarantee satisfaction when sent by mail. Prices upon application.

Field and Fodder Crops

ALFALFA, HAIRY PERUVIAN. This is considered to be a superior variety to the one generally grown here. It withstands more drought and cold weather, and is more resistant to blight disease. Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.

PURPLE-TOP WHITE GLOBE. Large, globe-shaped, flesh white and sweet. An excellent variety and the best summer sort. Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.

IMPROVED PURPLE-TOP SEDE OR ROTA BAGA. Very large, dark red, elongated shape. A splendid keeper, also for feeding stock. Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.
ACACIA ARMATA. "Kangaroo Thorn." 10 feet. A handsome deciduous tree of wide-spread origin, with finely divided, feathery foliage. Flowers pink, produced in large clusters, very showy. Pkt., 10c; oz., 60c.

ACACIA LATIFOLIA. See A. longifolia.

ACACIA 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., 50c; lb., 5$.00.

ACACIA 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, but alas, does well near the ocean; leaves long, lanceolate, glossy green. Very free flowering. Catkins of light yellow. Pkt., 15c; oz., 50c; lb., 5$00.

ACACIA LOPHANTHA. (Albizzia lophantha.) 30 feet Of spreading habit, with small linear leaves and with flower 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. Pkt., 15c; oz., 50c; lb., 5$00.

ACER MACROPHYLLUM. "California Maple." A deciduous tree of great beauty, attaining a height of about 100 feet. Leaves large, glossy green, pale beneath. A native tree found growing along the sides of creeks in many of our counties, but thriving under cultivation in the valleys. Pkt., 15c; oz., 25c; lb., 2$.50.

ALBIZIA. See Acaicia.

AMPELOPSIS VEITCHII. "Boston Ivy." Japan Ivy. A handsome deciduous creeper much used for covering stone, brick and wooden walls, to which it clings tightly. The leaves are shining, glossy green, turning red and yellow in the fall. Pkt., 10c; oz., 40c; lb., 4$.00.

ANACAPA 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 in those specimen trees. Pkt., 15c; oz., 1$.50.

ANOSMIA. "Sereda." 60 feet. A very large, beautiful, deciduous tree, with alternate, pinnate leaves, and large clusters of fragrant flowers. Pkt., 25c; oz., $1.50.

APARASSANUS MENZIESII. "Madrone." 76 feet. A native tree found in the coast range. The foliage is glossy, bright green, and 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., 1$.50; lb., 5$.00.

APRISIOSA. 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., 1$.50; lb., 5$.00.

ARDALTUNA. "Golden Wattle." 30 feet. Of quick spreading habit, with small narrow foliage and great profusion of golden yellow flowers. Pkt., 25c; oz., 1$.50.

ARKANGEL. 12 feet. A shrub of rather spreading habit, with small linear leaves and with flower 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. Pkt., 15c; oz., 50c; lb., 5$.00.

ARBUTUS MENZIESII. "Madrone." 76 feet. A native tree found in the coast range. The foliage is glossy, bright green, and 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., 1$.50; lb., 5$.00.

ARUBO. "Strawberry Tree." South of Europe. 10 feet. Beautiful dark green foliage. In the fall the trees are covered with bright red berries. Pkt., 25c; oz., 1$.50; lb., 5$.00.

BAHINIA PURPUREA. 10 feet. A valuable shrub with dark-green, curiously bloomed leaves, and large, showy flowers, which are reddish-purple and white. Pkt., 15c; oz., 1$.50.
**CALIFORNIA NATIVE PLANTS**

**TREES, SHRUBS, AND VINES**

**CALLITRIS ROBUSTA.** "Cypress Pine." In Australia it grows to a fair-sized tree, sometimes exceeding 30 feet in height, but the specimen in Southern California shows no sign of reaching the size of the large shrubs. The branches are short, crowded and erect, and the leaves are long and narrow, resembling those of the Eastern Dogwood, cream-colored, changing to a reddish shade before falling. This shrub is considered a better species for the home garden than the eastern species and has the advantage of growing evergreen. Pkt. 15c, oz. 45c, lb. $5.00.

**COPROSMA BAUERI.** A very handsome low growing shrub. The leaves are downy and very glossy, being of a clear, 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. $1.00.

**CORNUS CAPITATA.** (Benthamia fragifera.) "Evergreen Dogwood." 120 feet. A remarkable tree, resembling those of the Eastern Dogwood, cream-colored, changing to a reddish shade before falling. Will suit to grow fast with little care. Pkt. 15c, oz. 40c, lb. $4.00.

**CORNUS FRAGUS.** "Flowering Dogwood." A native species of erect growth, forming a handsome, dark green foliage, changing to a reddish shade before falling. Pkt. 15c, oz. $1.00.

**CRYPTOMERIA JAPONICA.** "Japan Cedar." 120 feet. The largest tree of Japan, attaining 35 feet in circumference and yielding a valuable timber. Very effective for planting in large groups. Pkt. 10c, oz. 40c, lb. $4.00.

**CUPRESSUS AZORIZONA.** "Arizona Blue Cypress." 70 feet. A tree of great scenic value, and without doubt the most silvery of all the Cypresses. It grows quite rapidly, and forms a perfect tree, thriving in almost any soil, standing intense heat, and much frost. Pkt. 15c, oz. $1.00.

**CUPRESSUS MENTHOLATA.** (Solanum betaceum.) "Willow Cedar." A handsome shrub, with long, slender, arching branches and small, narrow, gray-green leaves, which are silvery on the underside. The flowers are golden yellow and produced in great profusion. Pkt. 25c.

**CYPRESS PINE.** In Australia it grows to a fair-sized tree, sometimes exceeding 30 feet in height, but the specimen in Southern California shows no sign of reaching the size of the large shrubs. The branches are short, crowded and erect, and the leaves are long and narrow, resembling those of the Eastern Dogwood, cream-colored, changing to a reddish shade before falling. This shrub is considered a better species for the home garden than the eastern species and has the advantage of growing evergreen. Pkt. 15c, oz. 45c, lb. $5.00.

**CARRIOLA BUDDLEIA.** A spreading shrub with glossy foliage and immense quantities of bright yellow pea-shaped flowers. Pkt. 15c, oz. 75c.

**CRITICUS BENTHAMII KNIGHTIANUS.** "Knight's Cypress." 70 feet. A remarkably handsome tree with drooping, feathery branches and glossy foliage. In winter turns a reddish brown. A splendid tree for planting in lawns. Pkt. 15c.

**CUPRESSUS ARIZONICA.** "Arizona Blue Cypress." 70 feet. A tree of great scenic value, and without doubt the most silvery of all the Cypresses. It grows quite rapidly, and forms a perfect tree, thriving in almost any soil, standing intense heat, and much frost. Pkt. 15c, oz. $1.00.

**CUPRESSUS VITIS-IDAEA.** "Western Red Cedar." A splendid tree exhibiting a perfect pyramidal growth with branches growing horizontally; of darker green than the eastern species and has the advantage of being an evergreen. Pkt. 15c, oz. 45c, lb. $4.00.

**CYPRESS PINE.** In Australia it grows to a fair-sized tree, sometimes exceeding 30 feet in height, but the specimen in Southern California shows no sign of reaching the size of the large shrubs. The branches are short, crowded and erect, and the leaves are long and narrow, resembling those of the Eastern Dogwood, cream-colored, changing to a reddish shade before falling. This shrub is considered a better species for the home garden than the eastern species and has the advantage of growing evergreen. Pkt. 15c, oz. 45c, lb. $5.00.

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Eucalyptus Seeds

NOTE. We have for many years specialized in Eucalyptus seeds and carry the most complete stock on the market. We give detailed information on proper methods of propagation, adaptability to climatic conditions and the many uses to which this tree is ideally suited. Sent free upon request.

EUCALYPTUS AMYGDALINA. "Peppermint Gum." An exceedingly tall growing tree; in fact, this species belong probably the tallest trees in the world. Baron Von Mueller having recorded trees over 400 feet high and with diameters of 18 to 25 feet. The timber is very valuable 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. $1.50.

E. AMYGDALINA, VAR. ANGUSTIFOLIA. See E. lineata.

E. BOSISTOANA. "Bairnsdale Grey Box." A rare native of the Barossa Valley of South Australia. It 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. $1.50.

E. BOTRYOIDES. "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. $1.50.

E. CALOPHYLLA. A moderate 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 large white flowers which are valuable for bees. The wood is useful for rafters, spoked, fence rails, handles of agricultural implements, etc.; one of the very best for planting as a street tree. Pkt. 15c, oz. $1.00.

E. CAPITELLATA. "Mountain Stringy-bark." A large tree which yields a stringy bark, and thick, hard, soft leaves. It is best adapted to cool, moist land near the coast. It is said to furnish a valuable lumber, but in California it has only been grown as an ornamental species. Pkt. 15c, oz. $1.00.

E. CITRIODORA. "Lemon-scented Gum." A fast-growing species soon becoming tall and slender. In favorable situations it has attained a height of 60 to 100 feet in 10 or 15 years. It thrives best near the coast, but will not endure much frost and is not yet been thoroughly tested in California. The wood is strong and durable, useful for fencing, implement handles, shipbuilding, paving, railway ties, bridge building, telegraph poles, used for repairs to houses, carriage buildings and railway cars. Pkt. 15c, oz. $1.50.

E. CORYNODON. "Tate Tree." A medium sized tree of fairly rapid growth. It endures high temperature, but not heavy frosts; thrives well near the coast and will endure the hot summers of the hot valleys. Grows remarkably well in alkaline land. One of the best for shade trees. The wood is very hard and heavy and according to the Government is the strongest wood in the world. It is used for various purposes and is preferred for the strongest parts of carts, wagons and other work requiring hardness, toughness and elasticity. Pkt. 15c, oz. $1.00.

E. CORNUTA. "Pigeon Tree." A small tree suitable for planting in swampy places as a preventative for yellow fever, etc. Pkt. 15c, oz. $1.00.

E. CREBRA. "Narrow-leaved Ironbark." 100 feet. It succeeds under a great variety of situations, withstandig great extremes of heat and cold. The wood is hard, elastic and of reddish color; very durable under ground and used for railway ties, poles, piles, etc. Pkt. 15c, oz. $1.00.

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 50c, 100 seeds $1.00.

E. GLOBULUS. "Blue Gum." The best known species and one of the most valuable. It is the tallest species and the fastest growing of all. The usual height in Australia is 200 to 300 feet. In California trees 30 years old have attained the height of 160 feet and a diameter of 8 to 6 feet. It is usually of erect growth, succeeds best near the coast and on account of its rapid growth is probably the most profitable tree to plant. The wood is durable above ground; large quantities of it have been used for railroad ties, for fences, poles, reaches and single-trees of wagons, flooring, "insular pins" and anything requiring hardness, toughness and strength. It takes a fine polish and is valuable for furniture and interior finishing. Pkt. 15c, oz. 75c, lb. $1.50.

E. GONIOCALYX. "New South Wales Blue Gum." A large tree, reaching a height in Australia in favor of about 80 feet; the similar Eucalyptus marginata reaching 100 feet in California in the coast regions. The timber is hard and tough, used for wheelwright's work and shipbuilding. Pkt. 15c, oz. $1.00.

E. GUNNI. "Tasmanian Cider Tree." This is one of the hardiest of the genus. In its native habitats it grows in low lands where it forms a fair sized tree and sometimes reaches 150 feet or more. It is used for various artisans' work and is particularly suited to the coast. Grows remarkably well in alkali land. One tree has attained the height of 160 feet and a diameter of 8 to 6 feet. It is usually of erect growth, succeeds best near the coast and on account of its rapid growth is probably the most profitable tree to plant. The wood is durable above ground; large quantities of it have been used for railroad ties, for fences, poles, reaches and single.trees of wagons, flooring, "insular pins" and anything requiring hardness, toughness and strength. It takes a fine polish and is valuable for furniture and interior finishing. Pkt. 15c, oz. 75c, lb. $1.50.

E. HELOILOPI. "New South Wales Blue Gum." A large tree, reaching a height in Australia in favor of about 80 feet; the similar Eucalyptus marginata reaching 100 feet in California in the coast regions. The timber is hard and tough, used for wheelwright's work and shipbuilding. Pkt. 15c, oz. $1.00.

E. HEMIPHLOIA. "Common Box." 100 to 150 feet. It is used for various artisans' work. The wood is used for various artisans' work. Pkt. 15c, oz. $1.00.

E. LEUCOXYLON. "Victorian Ironbark." 100 feet. The trees are apt to grow crooked, but by giving them some attention at an early age, they will grow straight. This species will grow in a greater variety of climates than most eucalyptus, thriving near the coast and on the interior and will endure minimum temperatures of 15 degrees to 20 degrees below zero. The wood is hard for forest cover. The wood is hard and durable, excellent hickory in strength; used for railway ties, mining purposes, wagon building, shipbuilding, etc. Pkt. 15c, oz. $1.00.

E. LEUCOXYLON. "Victorian Ironbark." 100 feet. The trees are apt to grow crooked, but by giving them some attention at an early age, they will grow straight. This species will grow in a greater variety of climates than most eucalyptus, thriving near the coast and on the interior and will endure minimum temperatures of 15 degrees to 20 degrees below zero. The wood is hard for forest cover. The wood is hard and durable, excellent hickory in strength; used for railway ties, mining purposes, wagon building, shipbuilding, etc. Pkt. 15c, oz. $1.00.

E. LEUCOXYLON. "Victorian Ironbark." 100 feet. The trees are apt to grow crooked, but by giving them some attention at an early age, they will grow straight. This species will grow in a greater variety of climates than most eucalyptus, thriving near the coast and on the interior and will endure minimum temperatures of 15 degrees to 20 degrees below zero. The wood is hard for forest cover. The wood is hard and durable, excellent hickory in strength; used for railway ties, mining purposes, wagon building, shipbuilding, etc. Pkt. 15c, oz. $1.00.
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 situations where E. ficifolia will not thrive. Pkt. 15c, oz. $1.00.

E. LINEARIS. An ornamental species of somewhat slow growth, with beautiful evergreen, narrow leaves, and large cones. It has been known in California, though wrongly, under the name of E. amygdalina, var. angustifolia. Pkt. 15c, oz. 50c, lb. $2.00.

E. LONGIFOLIA. "Woolly Butt." A moderate sized tree, but in Australia under favorable conditions has attained to a height of 300 feet. In California it thrives best near the coast. The timber is useful for posts, ties, street paving, etc. Pkt. 15c, oz. 50c, lb. $2.00.

E. MACULATA. "Spotted Gum." Attains a height of 150 feet, growing remarkably straight. The wood is used for shipbuilding, wheelwrights' and cooper's work. It is closely allied to E. citriodora and succeeds under the same conditions. Pkt. 15c, oz. $1.00.

E. MELLIODORA. "Yellow Box." A fair sized tree, and in warm, dry interior valleys. The wood is strong and durable, useful for house building, shipbuilding and supplies one of the best fuels. The young trees have been used for telegraph poles. On account of times reaching a height of 200 feet in California it is the best as a source of honey for bees. Pkt. 15c, oz. $1.25.

E. MUELLERIANA. "Yellow Stringy-bark." A tree attaining a height of 100 feet in Australia. In California it succeeds best near the coast and in warm, dry interior valleys. The timber is straight and easily split, and is used for fencing and general building purposes. Pkt. 15c, oz. $1.00.

E. PILULARIS. "Black Butt." A medium sized tree. It thrives near the coast, on the sides of low mountains and in warm, dry interior valleys. The wood is hard and durable, used for wheelwrights' work, shipbuilding and supplies one of the best fuels. The young trees have been used for telegraph poles. It has done remarkably well at Imperial and all other irrigated sections on the desert. When grown near the coast it is not of rapid growth, but in the irrigated sections it grows quickly, making about the same growth as the "Blue Gum" will in the coast regions. This tree has been planted very extensively and is recognized as one of the best commercial species for the hot interior sections, as it is very hard, useful for railway ties, piles, street paving, fence posts, etc. It takes a fine polish and is used for cabinet work. Pkt. 15c, oz. 50c, lb. $1.00.

E. REDIBS. 75 to 100 feet. One of the best for street planting. It stands extremes of heat and cold; thrives near the coast and has grown so well in irrigated sections on the desert that it has been termed by some "The Desert Gum." Pkt. 15c, oz. $1.00, lb. $10.00.

E. REDIBERPOLOIA. "Broad-leaved Ironbark." 100 feet. This tree thrives in California, in the coast regions, but is not suited to the dry, hot interior sections. The wood is extremely hard and heavy, useful for wagon building, railway ties, etc. Pkt. 15c, oz. $1.00.

E. REDIBEROXYPHON, VAR. ROSEA. A variety of the preceding, with deep pink flowers, which contrast well with the dense silvery grey foliage. By many this is considered the most ornamental of all the eucalyptus. Pkt. 15c, oz. $1.50.

E. STUARTIANA. "Apple-scented Gum." A medium sized tree. In California it succeeds on dry soils near the coast and on plains and hillsides farther inland and will endure minimum temperatures of 16 degrees F., and can be planted at higher elevations than most species. The wood is mostly used for fence posts and for fuel; it is also used for furniture manufacture, being of a dark color and taking a good polish. Pkt. 15c, oz. $1.00.

E. TERETICORNS. "Forest Red Gum." 150 feet. One of the very best for commercial use, closely allied to E. rostrata, but forming a straighter tree. For general timber purposes I believe this is the best of the whole genus, taking all conditions and uses into consideration. It stands considerable heat and 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; the tree has been planted on a very large scale in California.

E. VIMINALIS. "Manna Gum." In Australia this tree has attained to a height of 200 feet with a diameter of 15 feet. It is an exceedingly handsome tree with long pendulous branches, and is one of the very best for picturesque avenue planting. This tree will thrive under a great variety of conditions, including not only the coast, also in irrigated sections on the deserts of California and Arizona. It stands considerable heat and cold, and thrives in sections near the coast, and at high altitude than most of the other species. In the coastal regions it is of very rapid growth, becoming rivalled in this respect by the "Blue Gum" while in the hot interior sections it is unsurpassed by any other species. Pkt. 15c, oz. 75c, lb. $7.00.
FRAKINUS 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 drought remarkably well. Pkt. 15c; oz., 50c.

PREMONTIA CALIFORNICA. "California Slippery Elm." A beautiful native shrub, growing from 4 to 20 feet, reaches the perfection on the desert side of the mountains. The flowers are large, golden-yellow, two to three inches across. The seed is reddish-brown. Pkt. 15c; oz., $2.00.

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

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

G. FRAGRANS. (G. ramosissima). Of rather compact growth, covered with bright yellow fragrant flowers. Often grown as a pot plant. Pkt. 15c, 75c.

G. MONOSPERMA FENDULA. "Bridal Veil." 10 feet. A rare and handsome shrub with fine, drooping, silvery branchlets. The flowers are white and produced in immense numbers. Pkt. 25c; oz., $1.25.

G. STENOPEATELA. (G. maderensis.) A magnificent shrub with handsome trifoliate foliage and very long spikes of bright yellow flowers. Very ornamental and good for cutting. Pkt. 15c, 75c.

CREVILLA ROBUSTA. "Silky Oak." 150 feet. A large, handsome tree, covered with large, orange-colored flowers which are a great source of honey for bees; does well in all parts of California, in most stony soils. Pkt. 50c; oz., 25c.

H. S. ALIGNA. Of similar habit to H. laurina, but has red flowers with white stigmas. Pkt., 25c.

G. MONOSPERMA PENDULA. "Bridal Veil." 10 feet. A beautiful native shrub, growing from 6 to 25 feet. A tree of densely branched pyramidal form; rich green. Pkt. 10c, oz., 50c; lb., $4.00.

FREMONTIA CALIFORNICA. "California Juniper." A tree of upright, rather compact growth; beautiful grey green foliage. Pkt. 10c, oz., 40c.

J. BERMONDIANA. "Bermuda Juniper." 40 feet. A beautiful dwarf, branching variety, with handsome pyramidal form of a pale bluish-green color. Pkt. 15c, oz., 40c.

J. COMMUNIS. "Common Juniper." 40 feet. A tree of upright, rather compact growth; beautiful grey green foliage. Pkt. 10c, oz., 40c.

J. JUNIPERINA. "Red Cedar." U. S. 100 feet. A well known tree with green or bronze green foliage. Pkt. 10c, oz., 50c; lb., $2.50.

LAGUNARIA PATERSONII. 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 pink. Pkt. 25c; oz., 75c.

LEPTOSPERMUM LAVEIGATUM. This beautiful shrub does particularly well in California, and is very valuable for planting in masses and for filling in odd corners. It grows very well in the desert, and is laden with a profusion of white blossoms. Pkt. 25c; oz., 75c.

L. SCOPARIUM VAR. NICHOLLI. A rapid growing shrub with small purple green foliage and quantities of carmine red flowers. Pkt., 25c.

LEUCADENDRON ARGENTUM. "Silver Tree." Cape of Good Hope. 30 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 50c; 100 seeds $2.00.

LIBROCERUS DECURRENS. "Incense Cedar." 100 feet. A native California tree, thriving well under cultivation. It forms a very handsome, compact, spreading tree, with cinnamon red bark and bright green foliage, glaucous underneath. Pkt. 15c, oz., 25c; lb., 85c.

LIGUSTRUM 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, foliage white, in large sprays. Pkt. 10c, oz., 25c; lb., 60c.

LIGUSTRUM JAPONICUM. "Japanese Privet." 20 feet. A large shrub or small tree, with glossy, dark green, leathery leaves; often used for hedges and avenue trimming. Pkt. 10c, oz., 25c; lb., 60c.

MAGNOLIA GRANDIFLORA. 80 feet. One of the finest of American evergreen trees; the leaves are thick, bright green and rusty on the underside; flowers large, waxy-white and fragrant. Fresh seed from November to January. Pkt. 10c, oz., 30c, lb., 3.00.

MELALEUCA ERICIFOLIA. "Bottle Brush." A large shrub for single plantings or for a hedge. Pkt., 15c; oz., 60c.


M. DECUSATA. "Bottle Brush." 15 feet. Large shrub with arching branches, leaves waxy, olive green, gray green. Short spikes of lilac flowers. Pkt. 15c.

M. NESOPHILA. "Bottle Brush." A handsome shrub or spreading shrub with gray green foliage and rosy lilac blossoms. 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 UMBAULICIFOLIA. "Texas Gardenia." A well known deciduous tree. The branches are erect and in a manner radiating from the trunk and with long, drooping branches, producing the appearance of a gigantic umbrella. It is a handsome shade tree and has a great amount of heat. Pkt. 10c, oz., 20c; lb., $2.00.

METROSIDEROS TOMENTOSA. A beautiful shrub from New Zealand. Leaves thick and leathery, green on the upper side but covered with a thick soft woolly bloom, which appear in rounded terminal clusters, and are rendered particularly showy by their profusion of long crimson or scarlet stamens. Seed must be taken to have any shrub at any time, but when in flower will attract attention from quite a distance. Pkt. 25c.

MYRTUS COMMUNIS. "Common Myrtle." A handsome shrub of rather compact growth; with small, glossy green, aromatic leaves. Bears quantities of small, white, fragrant flowers, good for single plants or for a hedge. Pkt. 15c; oz., 50c.

PARKINSONIA ACULEATA. Small tree or shrub. 15 to 25 feet. It has thorny, drooping branches, with long feathery foliage, and showy yellow flowers. Pkt. 15c; oz., 75c.

CALIFORNIA WILD FLOWERS
PEPPER TREE. See Schinus.

PICEA EXCELSA. "Norway Spruce." 150 feet. A magnificent tree; the branches are a very graceful and graceful form when the tree is 20 feet high. Pkt. 15c, oz. 50c, lb. $5.00.

P. AUSTRIACA. "Austrian or Black Pine." 100 feet. A spreading tree; leaves in pairs about 4 inches long, rigid, very dark green. Pkt. 15c, oz. 50c, lb. $5.00.

P. ABIES. "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. In particular it excels in the somberness of color and smoothness of the stump when cut down or even burnt off, which is a valuable feature in the reforesting of our mountains. Pkt. 15c, oz. 50c, lb. $5.00.

P. CANARIENSIS. "Blue Pine." 80 feet. A beautiful tree with drooping branches and narrow green leaves, and of a dark blue green color. Pkt. 15c, oz. 50c, lb. $5.00.

P. HALEPENSIS. "Aleppo Pine." Western Asia. 60 feet. A tree of great growth and spreading habit, with narrow dark green foliage, and dark, almost black stems. Pkt. 15c, oz. 50c, lb. $5.00.

P. BOSNICA. "Bosnian 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, and a handsome form, and of a dark blue green color. Pkt. 15c, oz. 50c, lb. $5.00.

P. HALEPENSIS. "Aleppo Pine." Western Asia. 60 feet. A spreading tree; leaves in pairs about 4 inches long, rigid, very dark green. Pkt. 15c, oz. 50c, lb. $5.00.

P. HALEPENSIS. "Alpine Pine." North America. 80 feet. A beautiful tree with drooping branches and narrow green leaves, and of a dark blue green color. Pkt. 15c, oz. 50c, lb. $5.00.

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SCIADOPYTIS 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 sequence adorned with dark green, narrow leaves 3 to 6 inches long. Pkt. 15c, oz. 75c, lb. $7.50.

SEQUOIA GIGANTEA. "California Big Tree." 300 feet. A magnificent tree of perfect pyramidal form. Forms large, compact head; leaves 1 to 3 inches long, dark, shining green. Pkt. 10c, oz. 50c, lb. $4.00.

PORTIUM JUNCEUM. "Spanish Broom." 10 feet. A quick growing shrub of upright habit. Large, yellow, pea-shaped flowers in great profusion on round leafless branches. Pkt. 15c, oz. 50c.

STERCULIA ACERIFOLIA. (Brachychiton acerifolius.) "Scotch Broom." 6 feet. A rather slow growing shrub; bright green stems and yellow pea-shaped flowers. Pkt. 15c, oz. 50c.

S. DIVERSIFOLIA. "Victorian Bottle Tree." 60 feet. A beautiful native tree, somewhat resembling the English Yew in appearance. Forms large, compact head; leaves 1 to 3 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, as well as for street planting. Pkt. 15c, oz. 50c.

ULEX EUROPAEUS. "Gorse" or "Purze." 4 feet. A low growing, prickly shrub, with yellow, pea-shaped flowers. Pretty for grouping; also makes a good hedge. Pkt. 15c, oz. 50c.

UMBRELLA TREE. See Melia.

VIBURNUM TINUS. "Laurestinus." 12 feet. A well known shrub with showy umbels of white flowers, blooming profusely in the winter. Makes a splendid hedge. Oz. 20c, lb. $2.00.

WISTARIA CHINENSIS. "Chinese Wistaria." A splendid, rapid growing, deciduous climber, producing long pendulous clusters of pale blue, pea-shaped flowers. Pkt. 1b. oz. 50c.

Palm and Decorative Plant Seeds

The seeds of all the species offered here, except the Cocos, can be germinated without artificial heat. Sow the seeds thinly in shallow boxes of light soil mixed with about the same quantity of leaf-mold. Where possible grow them in small pots. Some species grow very slowly, while others will come up in 5 or 6 weeks. Washingtonia filifera and W. robusta, Phoenix canariensis and P. reclinata are the best and also quite hardy out of doors in California. 10 seeds 20c, 100 seeds $1.50.

CHAMAEROPS EXCELSA. "Windmill Palm." (Trachycarpus excelsus.) Southern Asia. 30 feet. One of the hardiest palms known, standing 6 to 9 feet long similar to C. australis in general form. Pkt. 25c, oz. 50c, lb. $2.00.

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 house culture. Oz. 20c, lb. $2.00.

C. HUMILIS ARGENTEA. Similar to the last, but with more silvery foliage. 10 seeds 15c, 100 seeds $1.00.

COCON. 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.

COCOS ALPHONSEL. Stocky habit; rather quick growth for this group of palms. The leaves are bright 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. BONNETTI. A very graceful palm. Leaves gray-green in color when in full sunshine, but when grown in houses, if more slender trunk; considered by many the best of the tall growing class. 10 seeds 20c, 100 seeds $1.00.

C. BOTRYOPHORA. A very handsome palm similar to C. plumosa, but of more rapid growth and having a more slender trunk; considered by many the best for house culture and also quite hardy out of doors in California. 10 seeds 20c, 100 seeds $1.00.

C. CAMPESTRIS. 10 to 15 feet. Leaves spreading but slightly rigid. 10 seeds 20c, 100 seeds $1.50.

C. DATIL. Similar to C. plumosa, but much harder thriving in sections where the latter will not survive. 10 seeds 20c, 100 seeds $1.50.

C. EISCHOPATHA. 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 Cocon. 10 seeds 20c, 100 seeds $1.00.

COCOS PLUMOSA. Brazil. 50 feet. The best for street planting and avenues. The leaves are large and recurved, but slightly rigid. 10 seeds 20c, 100 seeds $1.00.

C. TATAL. 12 to 15 feet. Leaves recurved, spreading 6 to 8 feet long similar to C. australis in general appearance. 10 seeds 20c, 100 seeds $1.50.

ERYTHEA ARBITIS. "Golden Arborvitae." 10 feet. A form of the preceding; the foliage assumes a golden tint in spring; very regular and compact in growth. Pkt. 15c, oz. 50c, lb. $5.00.

ERYTHEA ARBITIS COMPACTA. 8 feet. A dwarf, very compact form of the Chinese Arborvitae. Pkt. 10c, oz. 40c, lb. $4.00.

TORREYA CALIFORNICA. "California Nutmeg." 75 feet. A beautiful native tree, somewhat resembling the English Yew in appearance. Forms large, compact head; leaves 1 to 3 inches long, dark, shining green. Pkt. 10c, oz. 20c, lb. $2.00.

THEODORE PAYNE

SEEDS, PLANTS, AND BULBS

CALIFORNIA WILD FLOWERS
Sow the seed in pots or boxes of light, well-drained soil; when plants are large enough to handle pot up into small pots and transfer to larger pots or plant out in the open ground, as desired.

**ASPARAGUS PLUMOSUS.** "Asparagus Fern." A favorite climbing vine, suitable for shady locations. Are very valuable for decorative pot plants. 25 seeds 25c, 100 seeds 75c.

**A. SPRENGERI.** A favorite plant for hanging baskets. Treat the seed the same as the preceding variety. Pkt. 10c, 100 seeds 50c.

**A. LECILIS.** 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 $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.

**PHOENIX RUPTICOLA.** India, 20 to 30 feet. A palm of slender, graceful habit, suitable for single specimens or avenue planting. Very desirable in the young state as a pot plant. 10 seeds, 20c; 100 seeds, $1.50.

**WASHINGTONIA FILIFERA.** "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. $1.50.

**D. DRACO.** "Dragon Tree." Canary Islands. 50 feet. A fine plant for sub-tropical beds. Large, erect-growing, dark green leaves. Pkt. 15c, oz. 75c.

**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. 15c, oz. 50c.

**MUSA ENSETE.** "Abyssinian Banana." A splendid decorative species forming a single stout trunk and immense broad leaves 10 to 15 feet long. 10 seeds 25c, 100 seeds 75c.

**YUCCA BACCATA.** Arizona. Of low, compact growth, leaves rigid, with thick margined threads. Flower spikes 5 to 7 feet long. Pkt. 15c, oz. $1.00.

**YUCCA BREVIIFOLIA.** "Joshua Tree." California, Nevada and Utah. 20 to 30 feet. A peculiar plant with stout trunk and open crown of arm-like branches. Leaves bluish green 1/4 inches wide at the base tapering toward the apex, the edge furnished with minute teeth; flowers greenish white. Growing in scattered groves on the desert these strange plants impart a singularly weird appearance to the landscape. Pkt. 15c; oz. $1.00.

We carry a complete stock of tree and palm seeds, including many rare and valuable species. All stock is of uniform high vitality; write us on varieties not listed.
The Rose Garden

The rose has been aptly called the "Queen of Flowers" and it would be hard to picture a garden being complete without them. Considered either from points of sheer beauty in the garden or cut flower value they are equally appealing; their colors, fragrance and universal hardiness in any locality make them what might be termed a garden staple, yet the romance and sentiment that is so firmly attached to them removes any possible suggestion of commonness. No garden could possibly have too many roses, and the following list, while not extensive, includes the best varieties in their classes for filling any requirement in color or type. Please read instructions on second page of cover before ordering.

COLUMBIA. Hybrid Tea. A charming shade of rose pink tinted silver at the outer edges. Free flowering and fragrant, the flowers lasting well in favored locations and when cut. A vigorous grower and one of the best pinks. Each, 60c.

CONSTANCE. Pernetiana. Shapely orange yellow buds streaked with crimson, opening to a full round flower in various shades of yellow. Quite distinct in shape and color and a profuse bloomer. Each, 75c.

FRAU KARL DRUSCHKI. Hybrid Perpetual. Pure snow white, large perfect flowers on long stems; free flowering; rich, handsome foliage. One of the best whites. Each, 60c.

GENERAL McARTHUR. Hybrid Tea. Considered by many as the best of the red roses. Bright red or scarlet, fragrant, with flat open flowers on strong rigid stems. Each, 60c.

GOLDEN EMBLEM. Hybrid Tea. One of the very best of the new roses. Long pointed buds, golden yellow beautifully shaded with crimson on the outer petals, opening to a clear golden yellow flower. Free and constant bloomer, vigorous grower with rich, deep, glossy green foliage. Each, 75c.

GORGEOUS. Hybrid Tea. All the name implies in size and color. Deep orange yellow, veined with reddish copper. Flowers are double from a perfect oval bud, borne on erect strong stems. Each, 75c.

HADLEY. Hybrid Tea. Deep velvet crimson; flowers carried on long stiff stems. Flowers full and richly fragrant; foliage mildew proof. The best of the deep red hybrid tea roses. Each, 60c.

HOOSIER BEAUTY. Hybrid Tea. Glowing crimson scarlet with darker shadings, velvety texture and very fragrant; long pointed buds on stiff stems. Of robust growth, a continuous bloomer. Each, 60c.

IMPERIAL POTENTATE. Hybrid Tea. A very double flower of brilliant pink, with heavy beautifully formed petals, the latter making it especially attractive. One of the newer varieties that has become very popular. Each, 60c.

ISOBEL. Hybrid Tea. Clear shell pink, shading to yellow at the base of the petals. The largest of the single roses and undoubtedly the best. The bush grows rather tall with beautifully formed buds and flowers borne on long stems. A vigorous grower and free bloomer. Each, 60c.

KAISERIN AUGUSTA VICTORIA. Hybrid Tea. Pure white, large, of good form and a continuous bloomer. One of the old reliable white roses that everyone should have. Each, 60c.

LA FRANCE. Hybrid Tea. One of the older varieties that will always hold favor. Bright satin-pink with silver reflex. A robust grower and a profuse bloomer. Each, 60c.

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, 75c.

Madame Edouard Herriott

Souvenir de Claudius Pernet
Los Angeles, Hybrid Tea. A glorious rose of Southern California origin. It is distinctly different from any other rose grown, being a rich flame pink shaded with golden yellow. It produces perfect buds and is a strong, vigorous grower. Each, 60c.

Louise Catherine Breslau, Pernetiana. Beautiful coral red shaded chrome yellow changing to shrimp pink and coppery orange as the blossoms open. Quite distinct; of good habit. Each, 75c.

Madame Caroline Testout, Hybrid Tea. Clear pink, large full flowers, very sweet, a strong grower and good bloomer. A favorite for many years. Each, 60c.


Madame Edoard Herrriott, Coral red shaded with yellow at the base, passing to shrimp red. One of the greatest rose novelties ever introduced. Winner of the Gold Cup offered by the Daily Mail and the Gold Medal of the National Rose Society of England. Each, 75c.

Mrs. Aaron Ward, Hybrid Tea. Deep orange yellow shading to creamy yellow at the ends of the petals. The buds are cupped and very deep, showing the glowing heart to the best advantage. Each, 75c.

Ophelia, Hybrid Tea. Shell pink with darker shadings of pink and salmon. Exquisitely formed buds and flower, delightfully fragrant; not a profuse bloomer but exceedingly worth while when it does flower. Its fragrance alone would recommend it to every rose lover. Each, 75c.

Padre, Hybrid Tea. A most unusual and effective shade of intense coppery-scarlet. Semi-double flowers borne profusely on long straight stems. Habit exceptionally fine, making a tall erect bush of handsome appearance. The best of the newer red roses. Each, $1.00.

Paul Neyron, Hybrid Perpetual. Deep rose; the largest of all roses, strong, erect grower, large handsome foliage. Flowers measuring six inches across are not unusual. Lasts well when cut. Each, 60c.

Radiance, Hybrid Tea. A lovely rose pink with opal shadings. Very sweet scented; a strong grower and one of the most profuse bloomers of all roses. Very hardy and disease resistant. Each, 60c.

Red Radiance, Hybrid Tea. A glowing crimson sport of Radiance, with all the magnificent qualities of the parent. One of the best reds for general planting. Each, 60c.

Rose Marie, Hybrid Tea. Exquisitely formed flowers of rich deep pink, delicately veined and richly fragrant. Very free bloomer and one of the best deep pinks; foliage does not mildew. Each, 75c.

Sensation, Especially desirable for its very large buds of crimson scarlet, shading to darker red as the flower opens. Flowers are very double and profusely borne on vigorous, free branching bushes. Good lasting qualities when cut. Each, 75c.

Souvenir de Claudius Pernet. Conceded to be the finest of all yellow roses. Vigorous grower, handsome bright green foliage with few thorns. Exquisite buds on long straight stems; flowers large and full, the color being purest yellow with no intervening shades. Each, $1.00.

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, 75c.
CLIMBING YELLOW BANKSIA. Flowers small, clear yellow, borne in great profusion. A vigorous grower under adverse conditions. Each, 60c.

CLIMBING BELLE OF PORTUGAL. Hybrid Tea. Delightful shade of shell pink shaded with salmon. Very large flowers opening from long pointed buds. Fast and vigorous grower; one of the most attractive of all climbing roses. Each, 75c.

CLIMBING CAROLINE TESTOUT. Hybrid Tea. Clear bright pink; large, well-formed flowers. Blooms in greater profusion than the bush variety. Each, 60c.

CLIMBING WHITE. Single white, large yellow stamens, a lovely contrast against rich, glossy foliage. A rapid grower; valuable covering for fences, etc. Blooms in spring. Each, 60c.

CLIMBING MADAME CECIL BRUNNER. Polyantha. A vigorous climber, the whole plant being literally covered with flame pink flowers during the blooming period. Each, 75c.

CLIMBING LOUISA C. BRESLAU. Polyantha. A slower grower than the pink form, only the flowers are deep red shading to lighter red at the outside of the petals. Each, 60c.

CLIMBING HOOSIER BEAUTY. Hybrid Tea. Flowers of an intense vivid scarlet borne in clusters of from three to twenty blooms on a single cane. A very striking rose in any situation. Each, 60c.

CLIMBING MAYOR General McArthur. Hybrid Tea. A vigorous climber, producing many bright red flowers practically the year around. Has all the fine points of the bush variety and is all that could be desired in a climber. Each, 60c.

CLIMBING HADLEY. Hybrid Tea. Fragrant, deep velvety crimson flowers in great quantities all during summer. A vigorous climber and a universal favorite. Each, 60c.

CLIMBING General McArthur. Hybrid Tea. A vigorous climber, producing many bright red flowers practically the year around. Has all the fine points of the bush variety and is all that could be desired in a climber. Each, 60c.

CLIMBING BELLE OF PORTUGAL. Hybrid Tea. Delightful shade of shell pink shaded with salmon. Very large flowers opening from long pointed buds. Fast and vigorous grower; one of the most attractive of all climbing roses. Each, 75c.

CLIMBING LADY HILLINGDON. Tea. Deep apricot yellow. One of the finest yellow climbing roses. Each, 60c.

CLIMBING LOUISE C. BRESLAU. Polyantha. A slower grower than the pink form, only the flowers are deep red shading to lighter red at the outside of the petals. Each, 60c.

CLIMBING LADY HILLINGDON. Tea. Deep apricot yellow. One of the finest yellow climbing roses. Each, 60c.

CLIMBING MADAME CECIL BRUNNER. Polyantha. A vigorous climber, the whole plant being literally covered with flame pink flowers during the blooming period. Each, 75c.

CLIMBING HOOSIER BEAUTY. Hybrid Tea. Flowers of an intense vivid scarlet borne in clusters of from three to twenty blooms on a single cane. A very striking rose in any situation. Each, 60c.

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California Native Trees and Shrubs

In making an attractive garden a very desirable combination of beauty and economy is obtained by using native trees and shrubs of California. They are very hardy, requiring water and care only until well established and their many types of growth and foliage can easily be made to create any desired effect. Their ornamental value is equal and in many cases superior to the exotic or imported group of trees and shrubs and, being native, their adaptability to climate and soil conditions gives them a decided advantage. Aside from the saving in maintenance at no loss in appearance, they lend a charm and interest to a garden that is obtainable in no other way. Many types of foliage and color combinations will be found in the following list. All are evergreen unless otherwise noted.

**Acer macrophyllum.** “California Maple.” A deciduous tree of great beauty. Leaves large, deeply fine-lobed, rich green, paler beneath. Found growing along the sides of creeks in many of our canyons, but thriving under cultivation in the valleys. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Bare roots, February and March, 6 to 8 feet. Each, $3.00.

**Acer negundo var. californicum.** “California Box Elder.” A beautiful deciduous tree of very rapid growth forming a dense, symmetrical, spreading crown. Desirable for shade in the garden and one of the very best trees for street and highway planting in localities where a deciduous tree is desired. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.


**Aesculus californica.** “California Buckeye.” Deciduous tree with broad rounded top. Leaves large, palmate, divided in from 5 to 7 leaflets. Flowers borne in large cylindrical clusters, white or sometimes pale pink. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.

**A. polystachya.** “White Sage.” Valuable for dry places. Very beautiful grey foliage and tall spikes of white flowers. In gallon cans, each 50c.


**Berberis Nevini.** “Nevin’s Barberry.” A very rare and beautiful shrub. Foliage silvery grey with bright canary yellow flowers borne in clusters, later turning into deep red berries. Very hardy, thrives in any soil with very little water, in sun or shade. Most attractively used either as a single specimen or as a hedge. In gal. cans. Each 75c. In 5-gal. cans. Each, $2.00.

**Berberis pinnata.** “California Barberry.” Small shrub of upright growth. Foliage rich green, deeply toothed and prickly. Flowers yellow, borne in racemes, followed by deep blue berries. Succeeds well in either shade or sun. In gal. cans. Each, $1.00.
Ceanothus arboreus. From the islands off the coast of Southern California. A large shrub or small tree of rapid growth. Flowers in large trusses, bright blue; large handsome foliage. In gal. cans. Each, $2.50. In 5-gal. cans. Each, $2.00.


C. arbores. A rare species from San Diego county and C. arboreus hybridus. "California Wild Lilac." The group contains many habits of growth, types of foliage and color of flowers which can be made to fill attractively any location or soil. White, light blue, medium blue and dark blue flowered species will be found in the following list, any or all of which make a very desirable addition in a shrubbery group.

C. arboreus. From the islands off the coast of Southern California. A large shrub or small tree of rapid growth. Flowers in large trusses, bright blue; large handsome foliage. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.


C. arbus. A rare species from San Diego county and now offered for the first time. A splendid shrub with dark green foliage and large trusses of dark blue flowers, which appear late in spring after other kinds are over. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.


There should be a distinct appeal to every home owner in having at least California Holly trees all their own. As a beautiful shrub or small tree it is second to none in appearance and, like all native plants, it is very hardy. Berries often appear the first season from small plants. See Heteromeles arbutifolia.


C. spinosus. One of the most rapid in growth. Bright green stems and for the first season from small plants. See Heteromeles arbutifolia.

C. simplicissimus. One of the most desirable of the native shrubs, having the combined advantages of evergreen foliage, beautiful and fragrant flowers and absolute hardiness.


CHRISTMAS BERRIES

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Successful Gardens

AN IDEAL COMBINATION

In the use of native shrubbery a wonderful color combination can be secured by grouping Ceanothus thyrsiflorus and Fremontia mexicana. The deep blue wisteria blossoms and appearing in many beautiful shades, some are pale blue, others lavender, pale lilac, dark blue, purple, deep pink, flesh pink or white; all with a beautiful yellow blotch on the standard. The blossoms are deliciously fragrant. The plants bloom in spring and the velvety blossoms simultaneously. They grow in a heavy reddish clay soil. In gal. cans. Each, 90c. In 5-gal. cans. Each, $3.00.


**Lavatera assurgentiflora.** "Tree Mallow." Small shrub 2 to 5 feet high. Flowers buff or salmon-colored resembling an azalea in shape. In gal. cans. Each, 50c. Doz. $6.00.

**Lavatera glutinosa.** Brown flowered form. A form of the preceding, differing only in the color of the flowers, which are mahogany brown. In gal. cans. Each, 50c; doz., $5.00.

**Lavatera glutinosa.** Cream-colored form. Another form of the preceding, differing only in color of the flowers. In gal. cans. Each, 50c; doz., $5.00.

**Nicotiana glauca.** "Tree Tobacco." Shrubs or small trees with handsome green and pink flowers. One of the best shrubs for planting in dry places. In gal. cans. Each, 90c.


**Pentstemon antirrhinoides.** "Yellow Bush Pentstemon." Very handsome, flowers large, bright yellow. In gal. cans. Each, 75c.

**Pentstemon cordifolius.** "Scarlet Honeysuckle." A woody plant, 6 to 8 feet high, flowers orange scarlet. In gal. cans. Each, 90c.
Pinus insignis. "Monterey Pine." The fastest growing of all the pines. Foliage a rich vivid green; very symmetrical in growth, pyramid shaped; very hardy. An ideal tree where a quick effect is desired. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00. Very fine specimens in boxes, 5 to 6 ft., $7.50; 7 to 8 ft., $10.00.


Pinus tuberculata. (P. attenuata.) "Knob Cone Pine." Very similar to Pinus muricata in growth but a much better tree for a dry location. Foliage formed in tufts; cones oblong. In gal. cans. Each, 75c. Boxed, 3 to 4 ft., $3.00; 5 to 6 ft., $7.50.


Platanus racemosa. "California Sycamore." The most beautiful of all ornamental deciduous trees. Cannot be compared to the European Sycamore. Large leaves; bark becomes white as the tree ages. Equally attractive singly or in groups. In gal. cans. Each 75c. In 5-gal. cans. Each, $2.00. Tubé, 6 to 8 ft., each, $5.00. Bare roots, February and March, 5 to 6 ft., fine specimens, each, $3.00.

P. integrifolia—"Catalina Cherry"

Prunus integrifolia. "California Wild Cherry." A very attractive shrub or small tree. Crinkly dark green leaves, resembling English Holly only smaller, with myriads of cream colored flowers literally covering the plant during Spring. Very striking when planted singly and can be used very attractively as a hedge. In gal. cans. Each 75c. In 5-gal. cans. Each, $2.00.

Q. douglasii. "Blue Oak." A deciduous tree forming a very handsome shrub or small tree, very desirable for dry places. In gal. cans. Each, 50c. In 5-gal. cans, Each $2.00.


Quercus agrifolia—"Live Oak"

Quercus agrifolia. "California Live Oak." The best known and most admired of all the oaks. Contrary to general belief it is not a slow grower under cultivation. A majestic tree in all stages of its growth and very enduring in gal. cans. Each 50c. In 5-gal. cans, 3 ft. Each, $2.00; 4 to 5 feet. Each, $3.50. In boxes, 6 to 8 ft., each $7.50 to $12.50.


Ribes gracillimum. "Yellow Flowering Currant." A small shrub which sends up new shoots from the root, making quite a large clump. From midwinter to spring it is covered with a perfect shower of dark yellow flowers, followed by quantities of fruit which make excellent jelly. In gal. cans. Each, 50c. In 5-gal. cans, each, $2.00. Balled, fine specimens, 2 to 3 ft., each, $2.50.


R. ovata. Has large, rich green, leathery foliage and forms a compact growing shrub of great beauty. One of the very best shrubs for a dry place. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.


THE RHUS FAMILY

It would be hard to over-estimate the value of this group of native shrubs for planting on barren dry hillsides or in any location where water is difficult or impossible to obtain. They are imperious to soils, thriving lustily where few other plants could exist and produce a solid mass of bright evergreen foliage very rapidly. R. integrifolia is desirable for bank covering owing to its spreading habit. R. laurina makes a large shrub or small tree. R. ovata is of slower and more spreading habit. R. laurina makes a large shrub or small tree. R. ovata is of slower and more spreading habit. R. laurina makes a large shrub or small tree. R. ovata is of slower and more spreading habit. R. laurina makes a large shrub or small tree.

The Rhues are an interesting group of native shrubs remarkable for their bright colored flowers and earliness of bloom. R. malvaceum is often found blossoming by the first of December, while R. gracillimum and R. speciosum may frequently be seen by Christmas or a trifle later. They continue in bloom throughout the winter season and add a touch of color to the landscape at a time when few other flowers are to be seen. The Pink Flowering Currant and the Fuchsia Flowered Gooseberry attain their greatest perfection in partial shade, while the Yellow Flowering Currant prefers an open sunny situation.

Ribes gracillimum. "Yellow Flowering Currant." A small shrub which sends up new shoots from the root, making quite a large clump. From midwinter to spring it is covered with a perfect shower of dark yellow flowers, followed by quantities of fruit which make excellent jelly. In gal. cans. Each, 50c. In 5-gal. cans, each, $2.00. Balled, fine specimens, 2 to 3 ft., each, $2.50.


Rosa californica. "California Wild Rose." Pink, fragrant flowers appearing until past midsummer. Thrives especially well in heavy soil and will grow in the full sun or in shade. In gal. cans. Each, 50c.

The Ribes are an interesting group of native shrubs remarkable for their bright colored flowers and earliness of bloom. R. malvaceum is often found blossoming by the first of December, while R. gracillimum and R. speciosum may frequently be seen by Christmas or a trifle later. They continue in bloom throughout the winter season and add a touch of color to the landscape at a time when few other flowers are to be seen. The Pink Flowering Currant and the Fuchsia Flowered Gooseberry attain their greatest perfection in partial shade, while the Yellow Flowering Currant prefers an open sunny situation.

Bank covered with Ribes gracillimum.
California Native Perennial Plants

In carrying out a naturalistic effect or for filling in odd corners the following list of native perennials and ferns form a very necessary and interesting addition to an otherwise commonplace treatment. They are free growing, hardy and require a minimum of care after their establishment. The ferns are particularly attractive when planted under trees or when used in rockeries.


Aquilegia truncaata. “Columbine.” Flowers deep scarlet tipped with yellow. In 2%-inch pots, each, 20c; doz., $2.00.


Asclepias maritima. “Chain Fern.” (W. radicans.) A much branched woody plant 1 to 2 feet high, found on the sand dunes along the coast. Flowers cream-colored or light yellow. In 2%-inch pots. Each, 20c; doz., $2.00.

Asclepias californica. “California Wild Strawberry.” Valuable as a ground cover, especially under trees. In 2%-inch pots. Per doz. 75c; 100, $5.00.

Asclepias syriaca. “Common Milkweed.” In 2%-inch pots. Each, 25c; doz., $2.00.

Asclepias purpurascens. “Beach Wallflower.” A much branched woody plant 1 to 2 feet high, found on the sand dunes along the coast. Flowers cream-colored or light yellow. In 2%-inch pots. Each, 20c; doz., $2.00.

Asclepias chrysantha. “Sand Strawflower.” Glossy green leaves and large white flowers. Valuable as a ground cover. In 2%-inch pots. Per doz. 75c; 100, $5.00.


Exotic Ornamental Trees and Shrubs

Varieties in the following list are evergreen unless otherwise noted. All prices are f.o.b. Los Angeles, plus 15% of the total amount of the order for packing. We do not ship plant orders of less than one dollar.

**ABELIA RUPESTRIS.** A pretty shrub with spreading drooping branches, small, glossy green leaves and numerous tube-like flowers, pink shaded with white. In favorable locations this shrub will bloom almost the year round. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00. Boxed, fine specimens, each $2.50.

**ACACIA 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 gal. cans, 2 to 3 ft. Each, 50c. In 5-gal. cans. Each, $2.00.


**ACACIA LONGIFOLIA.** “Sydney Golden Wattle.” 30 feet. Generally known as A. longifolia, and is doubtless, as Acacia latifolia. Of rather slender habit. If properly trimmed it makes a fine street tree: also does well near the ocean. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00.

**A. PRUNOSA.** 25 feet. A very beautiful tree with large, handsome, finely-out foliage, which is of a rich green color. The young foliage and shoots being of a soft rose color: flowers pale yellow. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00.

**A. VERTICILLATA.** 12 feet. A shrub of rather spreading habit, with small linear leaves and with flower 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. Each, 50c. In 5-gal. cans. Each, $2.00.

**ANGLEPHORA LANCEOLATA.** A tall spreading tree with clean, smooth bark, much resembling a Monkey-pod, to which it is closely related. It is valuable for planting for ornamental purposes as single specimen trees. In gal. cans. Each, 50c.

**ARALIA SIEBOLDI.** An ideal shade plant. Very large lobed leaves, usually on grotesque yet artistically formed branches. Creates white flowers during mid-winter. A valuable plant where a tropical effect is desired. Gallon cans, each 75c; 5-gallon cans, $2.00.

**ARHUTUS UNEO.** “Strawberry Tree.” A very desirable shrub with beautiful dark green foliage. In the fall the plants are covered with both blossoms and fruit; the latter in appearance like strawberries. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.

**ARUNDO DONAX.** “Giants Reed.” Similar in many respects to Bamboo in habit. Rapid growth and fine for a low wind break, thriving with little care or water. Gallon cans, 50c; 5-gallon cans, $2.00.

**AUCUBA JAPONICA.** An ideal evergreen shrub for a shady place. Leaves rather large, bright green with faint markings of yellow, borne on graceful erect stems. Hard to equal for brightening up a fully shaded corner. Gallon cans, each 75c; 5-gallon cans, $2.50.


**BUDDLEYA MAGNIFICA.** Similar to B. asiatica, only a foot or so high, but with several feathery branches, producing large terminal spikes of small, white, deliciously fragrant flowers. A splendid shrub for planting as a background for smaller shrubs and flowers. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00.

**B. BARWINI.** 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. In gal. cans. Each, 50c.

**B. WILSONIA.** A valuable shrub of late introduction. The plants form low, dense, spreading shrubs, often only a foot or so high, but with several slender branches, spreading, completely covering the ground with a dense mass of small, bright green foliage, which turns to a reddish brown in fall. The flowers are in clusters, golden yellow and followed by salmon-colored berries. In gal. cans. Each, 50c.

**CALLISTEMON LANCEOLATUS.** A tall shrub with spreading and slightly drooping branches, producing large terminal spikes of small, white, deliciously fragrant flowers. A splendid shrub for planting as a background for smaller shrubs and flowers. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00.

**CALLISTEMON RIGIDUS.** “Bottle Brush.” A beautiful shrub, with large, bright red flowers which are hardy and especially valuable for dry places. In gal. cans. Each, 50c.
CUCUMIS stricta. "She Oak." Attaining 120 feet. In 5 gal. cans. Each, 50c.

CERATONIA SILIQUA. "St. John's Bread," or "Carob Tree." Flowers 3 to 4 inches in diameter, pure white with crimson spot at base of petals. In gal. cans. Each, 50c.


CAMEPHORA OFFICINALIS. "Camphor Tree." 40 feet. A thick-growing tree with masses of very fragrant deep scarlet flowers. In gal. cans. Each, 50c.

CRAPE MYRTLE. See Lagerstroemia.

CUPRESSUS ARIZONICA. "Arizona Blue Cypress." 75 feet. A tree of great scenic value, and without doubt the most silvery of the cypress species. In gal. cans. Each, 50c.

CORYNODON ALBA. "Breathe of Heaven." A favorite shrub with white flowers, followed by large, red berries. In 5 gal. cans. Each, $2.00.

CRYPHE ODORA VARIEGATA. A wonderfully attractive evergreen shrub with variegated foliage and exceptionally fragrant flowers. In gal. cans. Each, 50c.


Doryanthus palmeri. Large leaves 5 to 7 feet long with flower stems 8 to 10 feet high bearing a large thyrsus of deep scarlet flowers. It takes the plants several years to reach the blooming period, but the young plants are very valuable for decorative pot plants. In 5-inch pots. Each, 75c.


ECHINOPSIS GROSSA. A very handsome shrub with grey-green flexible branches and silvery gray foliage. In gal. cans. Each, 50c.

COTONEASTER FRANCHEI. A handsome shrub with very graceful curving branches and large white flowers. In gal. cans. Each, 50c.

COTONEASTER FRANZETI. A very handsomely shaped shrub with bright red berries. In gal. cans. Each, 50c.

CUPRESSUS PACHYCARPA. "Japan Cypress." 70 feet. A tree of great scenic value, and without doubt the most silvery of the cypress species. In gal. cans. Each, 50c.


CHOISYA TERNATA. A pretty shrub with bright green, deeply cut foliage and clusters of white, fragrant flowers. In gal. cans. Each, 75c.

CHORIZEMA ILICIFOLIA. A spreading shrub with long wavy-margined leaves somewhat like holly. Myriads of small pea-shaped flowers of reddish purple and yellow cover the whole plant in winter and early spring. Unequaled for a low shrubbery effect. Gal- lon cans, each 75c.

CISTUS LADANIFERUS MACULATUS. "Spotted Rock Rose." A free flowering shrub of low spreading habit. Flowers 3 to 4 inches in diameter, pure white with crimson spot at base of petals. In gal. cans. Each, 50c.
Eucalyptus globulus—"Blue Gum"
JACARANDA MIMOSAEFOLIA. 30 feet. In flats of 100 plants, per 100, $3.00.

LAURESTINUS. See Viburnum.

LAURIUS CERASUS. A well known deciduous shrub, with grey, thick green foliage. Leaves are compound, divided into many small leaflets, giving a graceful, rich red when young, dark green at maturity but taking on beautiful coppery tones in winter. Gallon cans, each 50c. Tubes, 2 to 3 ft., each $2.50.

OAK. See Quercus.

PEANUT PALMIFOLIA. “Palm Grass.” Graceful arching spears of rich dark green; very hardy and a vigorous grower. Fine for pools or rockeries, or as a single specimen. Gallon cans, each 50c.

PAPYRUS ANTIQURUM. “Papyrus.” Very fast growing plant, much used around pools and for covering exposed hydrants. Tall rigid stalks with feathery head. Gallon cans, each 50c; 5-gallon cans, $2.00.

PARKINSONIA ACULEATA. Shrub or small tree. 15 feet, in 5-gal. cans. Each, $3.00.

PANICUM PALMIFOLIUM. “Palm Grass.” Graceful, arching spears of rich dark green; very hardy and a vigorous grower. Fine for pools or rockeries, or as a single specimen. Gallon cans, each 50c.

LEPTOSPERMUM LAEVIGATUM. This beautiful shrub produces a vivid spot of bright green solid growth, creating a very handsome feature in the garden. In gal. cans, each 50c. In 5-gal. cans, each $2.00.

HYDRANGEA HORTENSIS. A well known deciduous shrub, with large, light green leaves and immense heads of pink flowers. 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, each 50c. In 5-gal. cans, each $2.00.

LIGUSTRUM JAPONICUM. “Japanese Privet.” 20 feet. A large shrub or small tree, with glossy, dark green, leathery leaves; often used for hedges and as a Netflix feature in small gardens. In flats of 100 plants, per 100, $2.50.

L. NEPALENSIS. “Small Leaved Privet.” 10 feet. Much used for hedges in Southern California. One of the best of American evergreen trees. The leaves are compound, divided into many small leaflets, giving a graceful, rich red when young, dark green at maturity but taking on beautiful coppery tones in winter. Gallon cans, each 50c. Tube, 2 to 3 ft., each $2.50.

MAGNOLIA GRANDIFLORA. 30 feet. One of the finest of American evergreen trees. The leaves are compound, divided into many small leaflets, giving a graceful, rich red when young, dark green at maturity but taking on beautiful coppery tones in winter. Gallon cans, each 50c. Tube, 2 to 3 ft., each $2.50.


NANDINA DOMESTICA. “Japanese Nandina.” A small shrub growing about 5 feet, but increasing by new stalks coming up from the root. The leaves are compound, divided into many small leaflets, giving a graceful, rich red when young, dark green at maturity but taking on beautiful coppery tones in winter. Gallon cans, each 50c. Tube, 2 to 3 ft., each $2.50.

HYDRANGEA HORTENSIS. A well known deciduous shrub, with large leaves and immense heads of pink flowers. 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, each 50c. In 5-gal. cans, each $2.00.

JUNIPERUS PROSTATA. “Dwarf Trailing Juniper.” A tall growing shrub, with grey, thick, tapering leaves. Flowers in large heads, rose pink or flesh color. Succeeds well in partial shade. In gal. cans. Each, 50c.

HYDRANGEA HORTENSIS. A well known deciduous shrub, with large leaves and immense heads of pink flowers. 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, each 50c. In 5-gal. cans, each $2.00.

LEONOTIS LEONURUS. A large shrub, blooming abundantly in summer and fall. Flowers in whorls, deep ruddy orange. In gal. cans. Each, 50c. In 5-gal. cans, each $2.00.

LEPTOSPERMUM LAEVIGATUM. This beautiful shrub produces a vivid spot of bright green solid growth, creating a very handsome feature in the garden. In gal. cans, each 50c. In 5-gal. cans, each $2.00.

HIBISCUS SYRACEUS. “Rose of Sharon.” Similar in many respects to the above, with slightly smaller leaves and single flowers. Flowers white with cerise center or lavender with cerise center. One of the prettiest of all the summer flowering shrubs. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00.

HIBISCUS SINENSIS. A favorite shrub with brigi gal. cans, each 75c; 5-gal. cans, $2.00.

LAGERSTROEMIA INDICA ROSEA. “Pink Crape Myrtle.” A well known deciduous shrub, producing an abundance of showy pink flowers. Each, $1.50. In 5-gal. cans, $5.00.

L. CRASSIFOLIUM. A rare and graceful tree. Fine for pools or rockeries, or as a single specimen. Gallon cans, each 50c.

LIGULARIA JAPONICA. “Japanese Nandina.” A small shrub growing about 5 feet, but increasing by new stalks coming up from the root. The leaves are compound, divided into many small leaflets, giving a graceful, rich red when young, dark green at maturity but taking on beautiful coppery tones in winter. Gallon cans, each 50c. Tube, 2 to 3 ft., each $2.50.

THEODORE PAYNE SEED CO.

HYDRANGEA HORTENSIS. A well known deciduous shrub, with large leaves and immense heads of pink flowers. 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, each 50c. In 5-gal. cans, each $2.00.

LEONOTIS LEONURUS. A large shrub, blooming abundantly in summer and fall. Flowers in whorls, deep ruddy orange. In gal. cans. Each, 50c. In 5-gal. cans, each $2.00.

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LEONOTIS LEONURUS. A large shrub, blooming abundantly in summer and fall. Flowers in whorls, deep ruddy orange. In gal. cans. Each, 50c. In 5-gal. cans, each $2.00.
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. In 5-gal. cans, 5 to 6 ft. Each, $2.00.

PLUMAGO CAPENSIS. Spreading shrub or half climber producing great quantities of sky blue flowers. Gallon cans, each 50c; 5 gallon cans, each $1.50.

PODOCARPUS ELONGATTS. Conifer. Beautiful dark green foliage. A very fine specimen tree. In gal. cans, each 75c.

POUCE GRANATUM NANA. "Dwarf Evergreen Pomegranate." A small evergreen shrub of pyramidal growth, bearing orange-yellow berries. Gallon cans, each 50c; 5 gallon cans, each $2.00.

POPULUS NIGRA ITALICA. "Lombardy Poplar." A large rapid growing deciduous tree, with smooth, black bark. Gallon cans, each 50c; 5 gallon cans, $2.00.

POURAN, See Ligustrum.

PRUNUS CAROLINIAN A. "Carolina Cherry." A large deciduous shrub or small tree, with showy red flowers and red fruits. Gallon cans, each 50c; 5 gallon cans, each $2.00.

PYRACANTHA ANGUSTIFOLIA. A shrub of upright spreading habit, with small narrow foliage and covered with bright orange colored berries. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00.


PYRACANTHA YUNNANENSIS. A desirable shrub of the English type of garden. Rapid growth and hardy. Bare root or 5-gallon cans, 8 to 10 feet, each $1.50; 10 to 12 feet, each $2.00.

PRIVET. See Ligustrum.

PRUNUS CAROLINIANA. "Carolina Cherry." A large shrub or small tree of pyramidal growth, pretty, slowly growing, with graceful leaves and white flowers. Makes a splendid street tree. Gallon cans, each 50c; 5 gallon cans, each $2.00.

PYRACANTHA ANGUSTIFOLIA. A deciduous tree of tall columnar growth; widely used for sentinel planting at the entrances of drives and in the English type of garden. Gallon cans, each 50c.


POPULUS NIGRA ITALICA. "Lombardy Poplar." A deciduous tree of great beauty. Leaves bright green, turning bronze or reddish during winter with bright orange colored berries. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00.

QUERCUS AGRIFOLIA. "California Live Oak." See page 51.

RAPHOLEPS 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 purple-green color, and the plants are covered with white, fragrant flowers. Gallon cans, each 50c; 5 gallon cans, $2.00.

R. INDICA HYBRIDA. A cross between R. indica and R. japonica. An extremely handsome shrub of rather compact growth with rich green foliage and many large clusters of pink and white, fragrant flowers. Gallon cans, each 50c; 5 gallon cans, $2.00.

ROSARUS OFFICINALIS. "Rosemary." A well known and useful shrub. In gal. cans. Each, 50c.

RUSSELLIA ELEGANTISSIMA. — Slender, pendulous branching plant, being of almost continuous bloom. In gal. cans. Each, 75c.

SALIX BABAULICA. "Weeping Willow." A very picturesque deciduous tree that is ideal for shade in the summer. Long pendulous branches from a wide spreading crown. 5-gallon cans, each $2.50.

SOLANUM MOLLE. "Pepper Tree." 50 feet. The most graceful of all pepper trees, with feet of branches of finely cut, delicate green leaves and coral red berries. It is the admiration of every tourist. Gallon cans, each 50c; 5 gallon cans, $2.00.

SOLANUM RANTONNETTI. A very desirable shrub with spiny branches, striking green foliage and a profusion of white flowers. Gallon cans, each 50c; 5 gallon cans, each $2.00.


AN ATTRACTIVE GARDEN rarely happens; it is carefully planned. The difference between a well-planted garden and a poorly planted one is often a matter of just a little time spent before putting anything in the ground. We have a free planning service that will be found of great value to the layman gardener in the proper selection of plants for given effects.

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STREPTOSOLON JAMESONI. 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. Gallon cans, each 50c.

SYRINGA VULGARIS. "Common Lilac." Erect growing deciduous shrub, bearing purple flowers in large panicles. In 5-gal. cans. Each, $2.00.

TECOMA CAPENSIS. "Cape Honeysuckle." Heavy bright green foliage with clusters deep scarlet flowers. Can be grown as a large shrub or trained on a trellis as a vine. Evergreen and hardy; a favorite on account of its brilliant coloring. Gallon cans, each 75c.

THUJA 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. In gal. cans. Each, 50c. Balled, 1 to 2 ft., $2.50; 2 to 3 ft., $3.00.

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 or for street planting. Gallon cans, each 75c.


VIBURNUM OPULUS. "Snowball." Hardy deciduous shrub with many pure white globular flowers in the spring. Foliage is very attractive in the late fall. Gallon cans, each 75c; 5-gallon cans, each $2.00.

VIBURNUM TINUS. "Laurel-leaf." 15 feet. A well known shrub with showy umbels of white flowers blooming profusely in the winter. Makes a splendid hedge. Gallon cans, each 50c; 5 gallon cans, $1.50; boxed, large specimens, $2.50.
Vines and Trailing Plants

AMPELOPSIS QUINQUEFOLIA. "Virginia Creeper." Deciduous vine of rapid growth. Large, five parted leaves which turn red in the fall. Gallon cans. Each, 50c.


AMPELOPSIS VEITCHI. (A tricuspidata.) "Boston Ivy." A rapid growing evergreen vine for covering stone work or board fences. Glossy green foliage, tinged to vivid shades of yellow and red in the fall. Gallon cans, each 50c.

AUSTRALIAN PEA VINE. (Dolichos lignosus.) 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. In 3-in. pots, each 25c; per doz., $2.50.

BIGNONIA CHEREREE. A magnificent climber producing deep red flowers, blood red with yellow at the base. Gallon cans, each 75c.

BIGNONIA TWEEDIANA. A very tall growing variety of clinging habit, very useful for covering high pillars, etc. Blooms in spring large, canary yellow trumpet-shaped flowers. Gallon cans, each 35c.

BIGNONIA VENUSTA. Produces large clusters of deep orange, tubular-shaped blossoms. A valuable climber, growing to a great height; often seen covering the tops of houses. Each $1.00.

BIGNONIA VIOLACEA. One of the best evergreen climbers; dark green foliage, glaucous; flowers lavender blue, borne in clusters. Gallon cans, each 75c.

BOUGAINVILLEA CRIMSON LAKE. One of the newer introductions. Flowers rich cardinal red. Similar in other respects to the older variety. Gallon cans, each $2.50.

BOUGAINVILLEA GLABRA SANDERIANA. Blooms when quite young, and is very free flowering; color rich magenta. Gallon cans, each 75c.

CLEMATIS MONTANA. A very desirable vine. Flowers in spring, pure white and fragrant. Gallon cans, each 50c.

FICUS REPENS. "Climbing Rubber." A splendid vine for covering stone or brick walls, to which it fastens itself tightly by means of aerial roots and small leaves. Gallon cans. Each 50c.

HEDERA HELIX. "English Ivy." A well-known climber, with large, thick, shining dark green leaves. In 2½-in. pots, 20c; per doz., $2.00. Gallon cans, each 75c.

HONEYuckle. See Lorolcea.

IPOMOEA LEARI. "Blue Dawnflower." A very rapid growing and a great favorite for covering fences, sheds, etc. Large blue flowers and rich green foliage. In 3-in. pots, each 25c.

IVY. See Hedera and Ampelopsis veitchi.

JASMINUM FRIDLIMUI. A rapid growing evergreen vine from China, bearing immense quantities of large rich yellow flowers. It blooms in winter and spring, when the plants are simply covered with masses of bright yellow flowers. Gallon cans, each 50c.

LONICERA HALLIANA. "Hall's Honeysuckle." Flowers white changing to yellow very fragrant. Gallon cans, each 50c.

MAMDEVILLA SUAVEOLENS. "Chilimander." Large white fragrant flowers. Gallon cans, each 50c.

MUEHLENBECKIA COMPLEXA. "Wire Vine." A rapid growing evergreen vine with wiry stems and small leaves, desirable for covering fences, trees, posts, etc. Gallon cans, each 50c.


POLYGONUM AUBERTI. A very rapid growing vine covered in summer with large panicles of creamy white or flesh-colored flowers. A very spectacular vine in full bloom and one that is universally popular on its sheer merit. Gallon cans, each 75c.

SOLANDRA GUTTATA. "Coja de Oro." A rare vine of rapid growth, with large, handsome foliage and immense, bowl-shaped, deep yellow flowers. Gallon cans, each $1.50.

SOLANUM JASMINOIDES. "Potato Vine." A very rapid growing vine; flowers in clusters. White with yellow centers. Gallon cans, each 50c.

SOLANUM WENDLAINDI. Immense clusters of large, light lavender blue flowers; large, glossy, dark green foliage. A magnificent plant. Gallon cans, each $1.00.

SOLLYA HETEROPHYLLA. "Australian Blue bell." A thick growing vine, useful for covering banks. Dark, glossy green foliage and quantities of bright blue flowers. Gallon cans, each 75c.

TACSONIA MANICATA. "Scarlet Passion Vine." A splendid climber, producing an abundance of very large, bright scarlet blossoms. Gallon cans, each 75c.

TECOMA JASMINOIDES. Bright glossy green foliage; flowers white, with purple throat. Gallon cans, each 75c.

TECOMA AUSTRALIS. Thick handsome foliage; flowers creamy white, in great profusion. Makes a very attractive effect. Each, 50c.

VITIS CAPENSIS. "Evergreen Grape." A rapid growing vine, with large, handsome foliage. Similar to the grape. Fine for covering an arbor or pergola. Gallon cans, each 75c.

VINCA MAJOR. "Periwinkle." A fast growing trailing plant; ideal for a ground cover or for planting in window boxes. Evergreen foliage with bright blue flowers. In 2½-inch pots, each 15c; dozen, $1.50.

WINTERHELIA CHINENSIS. "Chinese Wisteria." A very rapid growing climber producing long pendulous clusters of pale blue flowers. Budded, 5 gallon cans, each $2.50.
Dahlias

Dahlias are one of the most popular of the summer flowers owing to their brilliant colors, immense size and universal hardiness. They require a rich soil and plenty of water and should be planted during March and April, at which time the following list of bulbs will be available. Prices are not postpaid; add ten per cent to your order for postage and packing.

Decorative Dahlias

HALLOWEEN. Buff shading to orange. Perfect stem. Each, $1.50.

KITTY DUNLAP. American Beauty rose shading to darker in center. Exquisitely formed flower on upright stem very large. Each, $1.00.

LIBERTY BOND. Flower salmon, tinted rose. Good foliage, upright grower and free bloomer. Each, 75c.

MILLIONAIRE. Lavender with shadings of pink. Wonderfully deep bloom. Each, 50c.

MRS. CARL SALSBACH. Rich mauve pink. Flowers well formed on long stems. Each, 50c.

OLD GLORY. Dark red with markings of white. Large flowers, good stem. Each, 75c.

SNOWDRIFT. Beautifully formed, pure white, on good stem. One of the best whites. Each, 50c.

SOUVENIR GUSTAVE DOAZON. Flowers very large, vivid orange scarlet. Free blooming. Each, 35c.

W. E. COOPER. An exhibition type; mammoth flowers of true pink on long, stiff stems. Each, $1.00.

YEPPA. Very desirable shading of buff and bronze. Vigorous grower and free bloomer. Each, 50c.

Pompon Dahlias

ACE OF DIAMONDS. The best scarlet. Each, 35c.

DEAREST. Bright rose, silver reverse. Each, 50c.

GLOW. Old rose. A very fine flower. Each, 50c.

HECKLA. The best white in Pompons. Each, 35c.

SUNNY DAYBREAK. Yellow edged red. Each 35c.

Gladiolus

Gladiolus bulbs can be planted practically any time of the year, providing an endless succession of flowers. They are very hardy and easy to grow, giving a great return in flowers for little expense and labor. The following list contains many delightful shades of color, including all the newer varieties of proven merit and the most popular of the older sorts. Prices are not postpaid; add ten per cent to your order for postage and packing.

ALICE TIPLADY. Primulinus hybr. New, one of the most beautiful Gladiolus ever introduced. Color, orange salmon and flame pink, a shade now in great demand among gardeners. Excellent for cutting. Each, 15c; doz., $1.50; 100, $10.00.

AMERICA. Soft pink. Each, 10c; doz., 80c; 100, $5.00.

ANNA EBERIUS. Deep velvety purple. Each, 20c; doz., $2.00; 100, $12.00.

ARLON. Primulinus hybrid. Yellow, shaded with pink and copper, extra fine. Each, 25c; doz., $2.50; 100, $15.00.

BARON HULOT. Violet blue. Each, 15c; doz., $1.50; 100, $10.00.

BYRON L. SMITH. Lavender pink on white ground; color equal to orchid, extra fine. Each, 25c; doz., $2.00; 100, $12.00.

CRIMSON GLOW. Dark red. Each, 10c; doz., $1.00; 100, $7.00.

DAVID STARR JORDAN. Flame color overlaid with scarlet, immense flower. Each, 25c; doz., $3.50.

E. J. SHALYOR. Deep, rich with ruffled petals. A vigorous grower, producing a tall stem with many flowers open at one time. Each, 10c; doz., $1.00; 100, $7.00.

EVELYN KIRTLAND. Coral pink. Each, 10c; doz., $4.00; 100, $7.00.

GOLDEN MEASURE. Rich yellow, extra fine. Each, 15c; doz., $1.50; 100, $10.00.

HALLEY. Salmon pink. Each, 10c; doz., $1.00; 100, $7.00.

HELENA. Deep mauve. Each, 10c; doz., $1.00; 100, $7.00.

JACK LONDON. Light salmon with orange flame stripes; tall spikes. Each, 25c; doz., $2.50; 100, $15.00.

Gladiolus bulbs can be planted practically any time of the year, providing an endless succession of flowers. They are very hardy and easy to grow, giving a great return in flowers for little expense and labor. The following list contains many delightful shades of color, including all the newer varieties of proven merit and the most popular of the older sorts. Prices are not postpaid; add ten per cent to your order for postage and packing.

Cactus Dahlias


JEAN CHAZOT. A fine French variety. Orange shaded to copper. Perfect stem and foliage. Each, 1.00.

NIBELUNGENHORST (Hybrid). Old rose blending with salmon and apricot. Very free blooming. Each, 50c.

PINK TRUMPHANT (Hybrid). Rich pink, usually with tiny white tips. Much used in floral work. Each, $1.50.

F. W. FELOWES. One of the best of all known Cactus Dahlias. Deep orange over all. Very large flowers. Each, 75c.

Peony Flowered Dahlias

CHANSON. Exquisite shade of purple. Fine for cut flowers. Each, 75c.

MADAM VARD. Currant red shaded yellow center. Each, 50c.

PERRY WIDENER. Large flowers of striking cherry red on strong stems. Each, 75c.

VIRGINIA HARSH. One of the largest of the Peony flowered dahlias. Color an exquisite shade of pink. Each, $1.50.

Miscellaneous Flowering Plants and Grasses

For those who want quick effects in annual and perennial flowering plants the following list offers a wide range of grasses and flower. They may be grown with an abundance of flowers a few short weeks after planting, thereby filling a very important position whereas an immediate show of color is desired. The annual sorts are seasonable, while the perennials can be supplied at any season of the year.

**AGAPANTHUS UMBELLATUS.** "Blue African Lily." Flower spikes rich blue to white, 2 to 3 feet high. In flats. Per doz., $5.00; per 100, $50.00.

**AGATHAEA COELESTIS.** "Blue Daisy." Perennial. Flowers sky blue with yellow centers. Useful for beds of rock gardens or in window displays. In 2 1/2-inch pots, each, 10c; per doz., $1.00; per 100, $7.50.

**ALYSSUM SAXATILE.** "Gold Dust." Perennial. Exquisite assortment of colors; large flowers on long stalks similar to small Hyacinths. In 2-inch pots, each, 25c; per doz., $2.50.

**ANTHRINUM.** "Snapdragons." Perennial. Old-fashioned favorite. A very popular plant. In separate colors or mixed. In flats. Per doz., 50c; per 100, $3.00.

**ARENARIA BALEARICA.** A remarkable new introduction in Southern California. As a ground cover in rock gardens, flowers are large and equal, being much superior to the widely used Helxine and other shade plants. Forms a dense mat of bright green, the leaves being of minute size and the plant only growing an inch or so high. In 4-inch pots. Each, 50c. In flats. Each, 25c.

**ASTER.** Giant Crego and American Beauty Strains. In flats. Per doz., 50c; per 100, $3.00.

**BEGINIA.** Bedding varieties. In flats. Per doz., 75c; per 100, $6.00.

**BELLIS PERENNIS.** "Double Daisy." Mixed colors. In flats. Per doz., 50c; per 100, $3.00.

**BILBERGIA NUTANS.** Numerous slender leaves form the base. Long, drooping, tubular flowers on slender stems, green edged with blue, with bright pink bracts; a peculiar but attractive color combination. A splendid hanger for a moist shady situation. In 5-inch pots. Each, 75c.

**CALLA, WHITE.** (Richardia Aethiopica.) "Lily of Agapakthu Umbellate S." Blue African Lily.'

**CALLA, YELLOW.** (Richardia Elliottiana.) One of the finest introductions for many years. Flowers fully 2 feet high, produced in great quantities. Each, 20c; per doz., $2.00.

**CALLIOPSIS.** "Chinese Forget-me-not." A beautiful perennial from Southwest China which succeeds well in our climate. The plants grow 1 1/2 to 2 feet high, producing great quantities of flowers of a true Forget-me-not blue. It makes a splendid display in the garden and is also desirable for cut-flower purposes. In 2 1/2-inch pots. Each, 15c; doz., $1.50.

**CONVOLVULUS.** "Clematis Hybrids." An unusual and very effective large tree-like plant. In gal. cans. Each, 75c.

**CYPERUS ALTERNIFOLIUS.** "Umbrella Plant." Useful for planting around pools. In gal. cans. Each, 75c.

**CYNOGLOSSUM AMABILE.** "Chinese Forget-me-not." A beautiful perennial from Southwest China which succeeds well in our climate. Flowers 1 1/2 feet high, producing great quantities of flowers of a true Forget-me-not blue. It makes a splendid display in the garden and is also desirable for cut-flower purposes. In 2 1/2-inch pots. Each, 15c; doz., $1.50.

**DAHLIA IMPERIALIS.** "Mexican Tree Dahlia." An unusual and very effective large tree-like plant. In gal. cans. Each, 75c.

**DELPHINIUM BELLADONNA.** A magnificent strain of Delphiniums. Flowers blue, violet and deep violet, rather loosely on the spike, extending out boldly from the main stem. Presents a most graceful appearance. Light blue and dark blue. Balled, each, 25c; per doz., $3.50.

**DELPHINIUM GOLD MEDAL HYBRIDS.** Various shades of blue. Balled. Each, 35c; per doz., $3.50.

**DIANTHUS DELTOIDES.** "Maiden Pink." Useful for borders and rock gardens, making neat little mats of bright pink flowers. In 2 1/2-inch pots, each, $1.00. In flats. Each, 50c.

**EULALIA JAPONICA.** Ornamental grass with reddish purple plumes. Useful for planting in the garden or around pools. In 5-gal. cans. Each, 50c.

**ERIGERON SPECIOSUS.** Free flowering perennial with lavender aster-like flowers. In 3-inch pots. Each, 25c; per doz., $2.00.

**EURALIA JAPONICA.** Ornamental grass with reddish plumes. Useful for planting around pools or the garden or around pools. In gal. cans. Each, 50c.

**FESTUCA GLAUCa.** A dwarf grass, growing in compact tufts and making fine edging for 2-inch pots. Each, 15c; doz., $1.50.

**GANTZANIA SPLENDENS.** Large, showy, broad-based flowers with long spikes of tubular flowers; shades of purple, lavender, rose and white. In 2 1/2 inch pots, each, 15c; per doz., $1.50.

**GERANIUMS, SINGhLE AND DOUBLE VARIETIES.** In 2 1/2-inch pots. Each, 25c; per doz., $2.00.

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**GERBERA JAMESONI HYBRIDS.** Beautiful hybrids of the Transvaal Daisy. In gal. cans. Each, 50c; per doz., $5.00.

**GEM, LADY STRATHEDEN.** New, double, deep yellow. In 3-inch pots. Each, 10c; doz., $1.00.

**GREEF, MRS. BRADSHAW.** Double, bright scarlet. In 3-inch pots. Each, 10c; per doz., $1.00.

**HELIXINE SOLEIROLII.** A delicate little plant with tiny leaves. Grows an inch or so high and spreads out over the ground making a perfect carpet of green. Very useful for rock work or as a ground cover in moist shady situations. In 3-inch pots. Each, 10c. In flats, each, 850c.

**HEMEROCALLIS.** "Day Lily." Hardy plants, blooming during summer. Large orange and yellow flowers. In gal. cans. Each, 50c.

**HERBS.** We have a fine stock of English Lavender, French Lavender, Rosemary, Thyme, Marjoram, Thyme and Savory. In 2 1/2-inch pots, each, 15c; per doz., $1.50.

**HOLMSTOCKS.** Perennials and perennial flowering plants blooming in the summer. In mixed colors. 2 1/2 inch pots, each, 15c; per doz., $1.50.

**IRIS.** A distinct species thriving well in partial shade. Flowers white, pale blue and yellow, beautifully blended. In gal. cans. Each, 50c.
IRIS FOETIDISSIMA. “Gladwyn Iris.” Often used for planting around pools. The seed pods when ripe burst open showing the bright red seeds which remain on the plant and sometimes cut, dried, and used for winter bouquets. In gal. cans. Each, 50c.

IRIS OCHRORLEUCI. A tall growing species, flowers white and yellow. Each, 35c; doz., $3.50.


LANTANA SELLOWIANA. “Trailing Lantana.” A rapid growing plant useful as a ground cover in sunny locations. Produces great quantities of lilac colored flowers. In 2%-inch pots. Each, 20c; doz., $2.00.

LIPPIA REPENS. Used for lawns and for covering banks requiring very little water. In flats, $1.50.

LOBELIA. Crystal Palace Compacta. In flats. Per doz., 50c; per 100, $5.00.

LOPEZIA ALBIFLORA. “Mosquito Vine.” A pretty little trailing plant desirable for window boxes or as a ground cover. Flowers small, pink tinged with white, produced in immense quantities completely covering the plant. In 3 inch pots. Each, 15c; doz., $1.50.

LOTUS PELIORHYNCHUS. A trailing plant with fine, silvery gray foliage and quantities of large, scarlet, periwinkle flowers. Desirable for hanging baskets, window boxes and rock work. In 3 inch pots. Each, 20c; doz., $2.00.

MESEMBRYANTHEMUM. A low ground cover plant with small succulent leaves and deep pink flowers. In 2%-inch pots, each 15c; dozen, $1.25.

MOHAEA RIGIDIOIDES. A very attractive plant belonging to the Fern family. Flowers large on long stems, white with yellow blotch. In gal. cans. Each, 50c.

MONSIEURS. “Forget-me-not.” Perennial. Bright blue flowers. Does best in a shady, moist location. In 2-inch pots, each, 10c; per doz., $1.00.

NEPETA HEDERAECEA. “Ground Ivy.” Useful as a ground cover in shady places and for hanging baskets. In 3-inch pots. Each, 20c; doz., $2.00.


PANSY. Giant mixed. In flats. Per doz., 50c; per 100, $3.50.


PENTSTEMON. Large flowered, mixed colors. In flats. Per doz., 50c; per 100, $3.50.

PETUNIA. Double fringed, mixed colors. Single fringed, mixed colors. In flats. Per doz., 50c; per 100, $3.50.

PHLOX PERENNIAL. In separate and mixed colors. In 2%-inch pots, each, 10c; per doz., $1.00.


PRIMA MALACOIDEA. One of the most free-flowering varieties of this favorite flower. Very hardy and one of the best winter flowering plants. Flowers a delicate shade of lilac. In 2 inch pots, each 10c; per doz., $1.00.

REHMANNIA ANGULATA. Pink Perfection. Very desirable for shady places blooming almost continuously. Large trumpet shaped flowers. In 4-inch pots. Each, 50c; doz., $3.50.

ROCHEA COCCINEA. An attractive succulent with large heads of bright scarlet flowers. In gal. cans. Each, 50c.

RUDBECKIA. “Golden Glow.” A hardy, fast growing plant with double flowers of a brilliant golden yellow, borne on stems 5 to 7 feet high. Flowers last a long time in water. In 2%-inch pots, each, 10c; per doz., $1.00.

SALVIA LEUCANTHA. “Mexican Bush Sage.” A dwarf, shrubby plant; narrow pointed leaves entire. In flats. Each, 35c; per doz., $1.00.

SAGINA SUBULATA. A very fine mossy plant ideally adapted for planting in rockeries or between tiles in walks. In flats, each, $3.50.

SALVIA SPLENDENS. “Scarlet Sage.” Valuable for beds and borders. In 2%-inch pots. Each, 10c; per doz., $1.00.

ZINNIAS. Giant Double and Dahlia Flowered in mixed colors. Unequaled for a brilliant show of color during the summer months. In flats. Per doz., 50c; per 100, $3.50.
Fruit Trees for the Home Orchard

Almonds
NE PLUS ULTRA. A rapid grower and heavy and regular bearer. The nuts are large, very long and soft shelled. Price, each, 75c.

Apples
DELICIOUS. Large, rather conical in form; bright red or splashed lightly with yellow; flesh crisp, sweet and juicy. A good bearer. November.

JONATHAN. Yellow and red, of medium size; flesh rich yellow and juicy. Very productive and a good winter variety. November to December.

WHITE WINTER PEARMAIN. Of medium size, oblong, pale yellow, sprinkled with miniature brown spots; flesh crisp and juicy, with pleasant sub-acid flavor. A standard market sort. Succeeds well in all parts of the state. November to February.

YELLOW BELLFLOWER. Of large size, oblong, yellow; flesh crisp and juicy, sub-acid flavor. A standard variety in California and succeeds well in the interior. October to January.

Crab Apples
TRANSCENDENT. Large, yellow striped with red, of pleasant aromatic flavor. A vigorous grower and very productive, the best variety for general use. August.

Apricots
ROYAL. Medium size, oval, dull yellow, flushed 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. Price, each, 75c.

Avocado
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 succeeds best in its native loamy soil and attains a height from 20 to 40 feet. We have found the variety "Fuerte" the best in Southern California. The fruit, which ripen in spring, are 3 to 5 inches in diameter, heart-shaped, of a grayish brown color and produced in great abundance. The flesh is a white, melting, custard-like pulp of delicious flavor. Grown from seed selected from the largest, free fruiting trees. In gal. cans. Each $2.50.

Cherimoyer
This is one of the finest fruits ever grown and succeeds well in Southern California. The fruit, which ripen in spring, are 3 to 5 inches in diameter, heart-shaped, of a grayish brown color and produced in great abundance. The flesh is a white, melting, custard-like pulp of delicious flavor. Grown from seed selected from the largest, free fruiting trees. In gal. cans. Each 75c.

Cherries
ROYAL ANN. Large, pale yellow, richly dotted with red and with a bright red cheek; flesh sweet and juicy. A good bearer. Price, each, 75c.

Figs
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.

MISSION. Large dark purple. A good grower and bearer. The large black fig so common in California. Price, each 75c.

Lemons
EUREKA. Medium size; a good keeper; the best for general use. Each, $2.50.

Loquats

Nectarines

Oranges

Peaches

Plums

Pears

Persimmons

Pomelo or Grapefruit
Prunes


Quinces

Pinapple. Large, flavor has a suggestion of pineapple; a good bearer. Each, 15c.

Walnuts


Black Sapote

Forms a handsome spreading tree, with palmate, glossy green foliage and is extremely drought resistant. The fruit is about the size of a quince and similar in appearance, with thin skin and sweet pulp of a flavor unlike any other fruit.

Seedlings. Grown from seed saved from choice fruit. In gal. cans. Each 50c.

Small Fruits

An ideal combination of beauty and economy can be secured by careful selection from the following list. Guavas and Feijoas make handsome evergreen shrubs and vines which is a great advantage. Each 25c; per doz. $2.50.

Blackberries

Cory's Mammoth Thornless. A vigorous grower, often making a growth of 20 to 25 feet in one season. The berries are very large, with few seeds, and of delicious flavor. Each 15c; per doz., $1.50.

Dewberries

Gardena. Large, glossy black; rich flavor, good bearer. Each 15c; per doz. $1.50.

Feijoa 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 an ornamental evergreen shrub and very beautiful when in flower, the blossoms having heavy, woody petals, pure white beneath and shaded to a mellow red on the upper side. Well meriting a place in the garden for its flowers alone. Each 50c.

Grapes

Price, each, 15c; per doz., $1.50, unless otherwise noted.

Black Hamburg. Very large bunches; fruits round and large; flesh sweet and juicy. A fine table grape.

Concord. Bunches large and compact; fruits large round and sweet. Each, 25c; per doz., $2.50.

Emporer. Bunches very large; oblong, deep rose colored. One of the best late varieties for the market. A strong grower and heavy bearer.

Malgas. Very large bunches, often weighing 16 pounds; fruits very large, oval, yellowish green. A good shipping variety, commanding a high price in the eastern market. The vine is a strong grower and very productive.

Muscat of Alexandria. Bunches long and loose-shouldered; fruits oval, yellowish green, rich flavored. Very largely grown for raisins.

Thompson's Seedless. Bunches very large; fruits greenish yellow, wall firm and seedless. A rapid grower and enormous bearer.

Guava

Strawberry. Fruit round, deep clarer color, of strawberry flavor. Much used for jellies and preserves; also good for eating in the fresh state. In 2-lb. cans. Each 50c.

Yellow Strawberry Guava. Similar to the red strawberry guava, except in the color of the fruit which is a bright yellow. Generally conceded to be of finer flavor than the red variety. In 2-lb. cans. Each 50c. In gal. cans. Each 50c.

Loganberry

Loganberry. A hybrid between the raspberry and blackberry. Fruit dark red, often 1 1/2 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. Each 20c; per doz. $1.00.

Raspberries

La France. The largest fruit of any of the raspberries; fine flavor, heavy bearer. The best for home use. Each 25c; per doz. $1.50.

St. Regis. The earliest red raspberry. It begins to ripen in April and continues through the entire berry season. Prolific and of good quality. Each 15c; per doz. $1.50.

Strawberries

Carolina. The new strawberry for California. Very early and will bear a crop, 2 weeks after transplanting. A continuous bearer of fine large red berries and does better in California than in the eastern markets. Per doz., 25c; per 100 $1.75.

Klondyke. 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 doz., 25c; per 100 $1.75.

Books on Gardening

For the amateur or professional gardener the following list of books on gardening will be found to cover every phase of garden work and each being an authoritative reference for the given subject. Prices are postpaid excepting Bailey's Cyclopaedia, which can be sent by express.

California Garden Flowers...$2.00
California Vegetables...$2.50
California Fruits: How to Grow Them...$1.00
California Wild Flowers; Their Culture and Care...$2.50
Fruit Growers' Guide...$2.00
Gardening in California...$2.00
Henderson's Book of Horticulture...$4.00
Illustrated Flora of the Pacific States...$27.00
Standard Cyclopaedia of Horticulture...$3.00
The Nursery Book...$3.00
The Pruning Book...$3.00
The Rose Book...$5.00
Tropical and Sub-Tropical Fruits...$3.00
Complete Equipment for Garden Maintenance

We carry a complete line of garden requisites, inclusive of hose, implements, budding knives, pruning shears, sprinklers, watering cans, insecticides and fungicides, and all other equipment necessary to proper maintenance of the garden. We will gladly give information and prices upon request.

All steel garden trowel 35c

All steel transplanting trowel 35c

All steel claw weeder 35c

Revolving Sprinkler. $1.25 each

Note. We stock many different types of sprinklers to meet all requirements. Write for prices and description.

Imported best steel Budding Knives, $2.25 each

Imported best steel Garden Knives, many sizes, 75c to $2.50

Imported Pruning Shears—handy in many ways—$2.50 each

Perfection Compressed Air Sprayer
Galv. 3-3 gal. $6.75. Brass $8.75

Hand Sprayers. Pint size 45c; quart 65c

Rich Bermuda Grass Rake. $5.00
Rich Lawn Comb. 3.00

Mole Trap $1.35

Two-in-One Sprinkler for lawns and shrubbery $1.10

Gopher Gun, $2.00—Shells, 10 for 25c

Mole Trap

Open

Closed

Gopher Box Gopher Trap, 35c

Tree Tanglefoot

Keeps the scale carrying Argentine Ant out of fruit and other trees.

1 lb. 60c; 5 lbs. $2.75

Hand Sprayers. Pint size 45c; quart 65c

Write us regarding supplies for the garden

If you have friends whom you think would be interested in this catalog, send us their names and we will mail them a copy, gladly. Or if you are ever in need of advice or help regarding your garden problems, write us—our thirty-two years experience in Southern California is yours for the asking, anytime.
PLEASE READ BEFORE ORDERING

PACKING CHARGE. Add 15% of the amount of your order for actual cost of packing; minimum charge of 25c on all plant or tree orders.

SHIPPING. All orders for plants or trees forwarded at purchaser's expense and risk. We do not ship orders of less than one dollar and in no instance will plants or trees be sent C. O. D. Inspection Certificate is attached to each order, insuring the purchaser of clean, healthy stock.

NON-WARRANTY. Theodore Payne gives no warranty, express or implied, as to the purity, description, quality, productivity or any other matter of any seeds, bulbs, plants or trees he sells and will not be in any way responsible for the crop.

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Check $...
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We would consider it a great favor if you would give us the names and addresses of your friends whom you think would be interested in receiving a copy of our catalog.
Visit the Nursery and Display Grounds

Intending planters are urged to visit the nursery and display grounds at 2969-2999 Los Feliz Boulevard, where they may select at leisure and with care the plants or trees best suited to their requirements. Courteous, well informed nurserymen will help to solve the many problems that confront the average planting scheme; the what, when, and how to plant, and where; the deciduous and evergreen; the color, form and foliage best suited to shady places, to sunny places, on hillside or in dry locations; the ultimate growth of selected varieties, and dozens of other important considerations that must be correctly determined if the final effect is to be satisfactory. . . . Drive out when the planting urge is upon you, or in when driving by.

How to Reach the Nursery and Display Grounds

Western and Southwestern Sections. North on Vermont or Western Avenues to Los Feliz Boulevard, turn to right and follow through lower portion of Griffith Park to the nursery on the left hand side of the boulevard.

San Fernando Valley Section. Drive south on San Fernando Road to Los Feliz Boulevard. Turn right. Nursery is one long block beyond the Southern Pacific tracks, on the right hand side. Via Ventura Boulevard, drive south over Cahuenga Pass to Hollywood Boulevard, turn left to Western or Vermont Avenue, again left to Los Feliz Boulevard and right to the nursery.

Pasadena and San Gabriel Valley. West on Colorado Boulevard to Brand Boulevard in Glendale. South on Brand Boulevard to Los Feliz Boulevard and west to the nursery, one long block beyond the Southern Pacific tracks on the right hand side.

By Street Car or Bus

Take Glendale car from new Subway Station on Hill Street, between Fourth and Fifth Streets. Get off at Atwater Station, cross tracks and walk north on Boyce Avenue to the nursery. Pasadena-Hollywood-Ocean Park bus stops at the entrance.

Theodore Payne
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