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Payne's Garden Guide 1927

New Barberry (Berberis thunbergii)

- See page 52

Theodore Payne
345 South Main Street
2969-99 Los Feliz Blvd.
Los Angeles, California
Observe when ordering

Seeds

All prices quoted on flower, tree, palm and vegetable seeds are postpaid anywhere in the United States, unless otherwise noted. Add 14¢ 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 amount of the order and also add postage as follows:

- Within 150 miles of Los Angeles, add 5¢ to every dollar of your purchase.
- Within 600 miles of Los Angeles, add 10¢ to every dollar of your purchase.
- Within 1800 miles of Los Angeles, add 15¢ to every dollar of your purchase.

Over 1800 miles, add 20¢ to every dollar of your purchase.

NOTE—It is impossible 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.

Bulbs

All prices quoted on Dahlias, Cannas and Summer Flowering Bulbs are not postpaid. Add postage only at the above rates.

Trees and Shrubs

All prices quoted on Deciduous and Citrus Fruit Trees, Ornamental Trees, Shrubs 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 25¢.

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, California
Paynes Garden Guide

with complete instructions
for the planting and care of

Seeds, Plants, Shrubs
and Trees

Flower Seeds
All the proven novelties of recent introduction and an extensive list of the older and better known varieties will be found under this head, especial attention being called to the extra fine strains of Pansy, Stock, Snapdragon, Cineraria, Coleus, Calceolaria, Aster, Scabiosa, Sweet Pea and Mammoth Zinnia. A selection of flower seed from this list, planted according to the detailed directions under each head, is sure to produce a flower garden that will meet every expectation. Pages 5-21.

California Wild Flower Seeds
Over one hundred species in separate packets or in specially prepared mixtures for any location or climate in the world. They lend a charm and uniqueness to a garden that is hard to equal and are very easily grown from seed. Pages 22-25.

Vegetable Seeds
The staple varieties, proven through use to be adaptable to California conditions of soil and climate. They will prove highly satisfactory in the home garden and profitable to the commercial grower. Pages 26-36.

Tree and Palm Seeds
The largest and most varied assortment on the Pacific Coast, including many rare and very desirable species. Inquiries solicited on varieties not listed. Pages 37-46.

Eucalyptus Seeds
Many years of specializing in Eucalyptus seed has made possible a fund of information and advice that will be found invaluable to an intending planter. Methods of planting, selection of varieties for different locations and commercial values are described on pages 42-45.

Ornamental Trees, Shrubs and Plants
A selection may be made from the listed varieties that will meet any requirement. An attempt has been made to list only those varieties of proven ornamental value by actual usage under prevailing conditions. Pages 47-60.

California Native Trees and Shrubs
All of the better known and many of the rare species carried in stock at all times. Being natives they are hardy, easily grown and require little water or care after being established. Pages 52-55.

Landscape Department
Complete facilities for planning and planting of grounds of any size, type or location are at the disposal of architect or home builder in either an advisory or constructive capacity.

Order Early
A knowledge both practical and scientific, acquired in thirty-two years of experience with plants and planting in Southern California is back of every item in this catalog—it is your guarantee of a successful garden.

Theodore Payne
Seedsman, Nurseryman
Landscape Architect

345 South Main Street 2969-99 Los Feliz Blvd
Los Angeles, California

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# THEODORE PAYNE

## SEEDS, PLANTS, AND BULBS

## CALIFORNIA WILD FLOWERS

### 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.

<table>
<thead>
<tr>
<th>Plant</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrodicta</td>
<td><em>Candytuft</em></td>
</tr>
<tr>
<td>Acroclinium</td>
<td><em>Cotula</em></td>
</tr>
<tr>
<td>Arabis</td>
<td><em>Centaurea</em></td>
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<tr>
<td>Alyssum</td>
<td><em>Chinese Wool Flower</em></td>
</tr>
<tr>
<td>Alchemilla</td>
<td><em>Chrysanthemum</em></td>
</tr>
<tr>
<td>Antirrhinum</td>
<td><em>Cineraria</em></td>
</tr>
<tr>
<td>Arctium</td>
<td><em>Collinsia</em></td>
</tr>
<tr>
<td>Aster</td>
<td><em>Convolvulus</em></td>
</tr>
<tr>
<td>Baccharis</td>
<td><em>Coreopsis (native spec.)</em></td>
</tr>
<tr>
<td>Balsam</td>
<td><em>Cosmos</em></td>
</tr>
<tr>
<td>Barren</td>
<td><em>Dahlia</em></td>
</tr>
<tr>
<td>Begonia</td>
<td><em>Daisy</em></td>
</tr>
<tr>
<td>Bidens</td>
<td><em>Diasma</em></td>
</tr>
<tr>
<td>Biscutum</td>
<td><em>Dianthus</em></td>
</tr>
<tr>
<td>Broadleaf</td>
<td><em>Echinacea</em></td>
</tr>
<tr>
<td>Catilopsis</td>
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<td><em>Candytuft</em></td>
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<tr>
<td><em>Cotula</em></td>
<td><em>Falseгорс</em></td>
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<tr>
<td><em>Chinese Wool Flower</em></td>
<td><em>Felicia</em></td>
</tr>
<tr>
<td><em>Chrysanthemum</em></td>
<td><em>Gailardia</em></td>
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<tr>
<td><em>Cineraria</em></td>
<td><em>Gerbera</em></td>
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<tr>
<td><em>Collinsia</em></td>
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<tr>
<td><em>Convolvulus</em></td>
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<tr>
<td><em>Coreopsis (native spec.)</em></td>
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<td><em>Cosmos</em></td>
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#### FLOWERING PERENNIALS

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<tr>
<th>Plant</th>
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<tbody>
<tr>
<td>Aquilegia</td>
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<td>Argemone</td>
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<tr>
<td>Bidens</td>
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<tr>
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<td><em>Centaurea</em></td>
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<tr>
<td>Bistorta</td>
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#### FLOWERS FOR SHAPED AND PARTIALLY SHAPED PLACES

<table>
<thead>
<tr>
<th>Plant</th>
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#### CLIMBING VINES

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<tr>
<td>Cardinal Clamber</td>
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<td>Cypress Vine</td>
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<td>Helenium</td>
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#### FINES FOR CUTTING PURPOSES

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<td>Argemone</td>
<td><em>Aquilegia</em></td>
</tr>
<tr>
<td>Arctotis</td>
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#### EDGING AND BORDER PLANTS

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<tbody>
<tr>
<td>Bidens, ever-blooming</td>
<td><em>Aquilegia</em></td>
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#### FRAGRANT FLOWERS

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<td><em>Carnation</em></td>
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#### ORNAMENTAL FOLIAGE PLANTS

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<tr>
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<td>Centaurea bastardissima</td>
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<tr>
<td>Centaurea bastardissima</td>
<td><em>Ricinus</em></td>
</tr>
<tr>
<td>Coleus</td>
<td><em>Kochia</em></td>
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#### PLANTS FOR HANGING BASKETS, ETC.

<table>
<thead>
<tr>
<th>Plant</th>
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<tbody>
<tr>
<td>Alyssum</td>
<td><em>Maurandia</em></td>
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#### EVERLASTING FLOWERS

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<td>Euphorbia maculata</td>
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#### HEDGE PLANTS

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<tr>
<td><em>Acanthus</em></td>
<td><em>Ligustrum</em></td>
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GARDEN CALENDAR

JANUARY

Flower Garden.—If the ground has not been worked over this season, spread a good thick dressing of stable manure, and dig deeply, the turnips and cabbage may be planted, if the weather be favorable. The cultivation of the garden, the raising of vegetables, and the transplanting of flowers should be commenced. Sow acroclinium, alyssum, antirrhinum, calendula, calendula, cosmos, eschscholtzia, gypsophila, helianthus, lindera, lindera, lupinus, mignonette, nepeta, plant narcissus, jacinthus, anemonies, ranunculus, German iris, Japanese iris, Lilium auratum, L. speciosum and L. rubrum, astilbe, gladiolus, achillea, agapanthus, lily-of-the-valley, spirea and delphinium.

February

Flower Garden.—If the ground has not been worked over this season, spread a good thick dressing of stable manure, and dig deeply, the turnips and cabbage may be planted, if the weather be favorable. The cultivation of the garden, the raising of vegetables, and the transplanting of flowers should be commenced. Sow acroclinium, alyssum, antirrhinum, calendula, calendula, cosmos, eschscholtzia, gypsophila, helianthus, lindera, lindera, lupinus, mignonette, nepeta, plant narcissus, jacinthus, anemonies, ranunculus, German iris, Japanese iris, Lilium auratum, L. speciosum and L. rubrum, astilbe, gladiolus, achillea, agapanthus, lily-of-the-valley, spirea and delphinium.

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 this month. Annuals of this month, also sweet peas. Sow amaranthus, aster, balsam, begonia, celosia, centaurea, cobbaea, dahia, gilia, gilia, helianthus, heliotrope, hexagonum, hovenia, loriaceae, malope, mandevilla, marigold, mina lobata, nasturtium, pyrethrum, salpiglossis, salvia, saponaria, saponaria. Sow annuals this month in which to sow most kinds of tree seeds. Plant gladiolus, begonia, tuberose and dahia bulb.

April

Flower Garden.—Sow amaranthus, aquilegia, aster, balsam, celosia, morning glory, centaurea, cosmos, cypress vine, dahia, fuchsia, helianthus, heliotrope, hexagonum, hovenia, loriaceae, malope, mandevilla, marigold, mina lobata, nasturtium, Iceland poppy, oriental poppy, portulaca, eschscholtzia, gypsophila, helianthus, lindera, lindera, lupinus, mignonette, nepeta, plant narcissus, jacinthus, anemonies, ranunculus, German iris, Japanese iris, Lilium auratum, L. speciosum and L. rubrum, astilbe, gladiolus, achillea, agapanthus, lily-of-the-valley, spirea and delphinium.

Vegetable Garden.—Sow artichoke, asparagus, beans, beets, brussels sprouts, carrot, late cabbage and cauliflower, chervil, chicory, corn salad, sweet corn, cucumber, dandelion, egg plant, endive, lettuce, musk melon, watermelon, mustard, okra, onion, parsley, parsnips, potatoes, radish, sorrel, spinach, squash, tomato and turnip. Plant out cabbage, brussels sprouts, egg plant, pepper, tomato and sweet potato plants.

May

Flower Garden.—Sow amaranthus, aquilegia, basil, beautiful evergreen box, Chinese evergreen, cumbine, dahia, fuchsia, helianthus, heliotrope, hexagonum, hovenia, loriaceae, malope, mandevilla, marigold, mina lobata, nasturtium, Iceland poppy, oriental poppy, portulaca, eschscholtzia, gypsophila, helianthus, lindera, lindera, lupinus, mignonette, nepeta, plant narcissus, jacinthus, anemonies, ranunculus, German iris, Japanese iris, Lilium auratum, L. speciosum and L. rubrum, astilbe, gladiolus, achillea, agapanthus, lily-of-the-valley, spirea and delphinium.

Vegetable Garden.—Sow artichoke, asparagus, beans, beets, brussels sprouts, carrot, late cabbage and cauliflower, chervil, chicory, corn salad, sweet corn, cucumber, dandelion, egg plant, endive, lettuce, musk melon, watermelon, mustard, okra, onion, parsley, parsnips, potatoes, radish, sorrel, spinach, squash, tomato and turnip. Plant out cabbage, brussels sprouts, egg plant, pepper, tomato and sweet potato plants.

June

Flower Garden.—Sow cantaloupe, cosmos, nasturtium and portulaca. Plant dahia, chrysanthemum, aster, petunia, Eschscholtzia. Sow annuals.

Vegetable Garden.—Sow beans, beets, brussels sprouts, late cabbage and cauliflower, corn salad, sweet corn, cucumber, dandelion, egg plant, endive, lettuce, musk melon, watermelon, mustard, okra, onion, parsley, peas, pepper, pumpkin, radish, spinach and squash. Plant out brussels sprouts, egg plant, pepper, tomato and sweet potato plants.

July

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

Vegetable Garden.—Sow beans, beets, brussels sprouts, cress, cucumber, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, parsnip, peas, radish, sorrel, spinach and turnip. Prepare hot beds and sow peppers and tomatoes. Plant potatoes, sweet corn, tobacco, horse radish and rhubarb roots also cabbage plants.

August

Flower Garden.—Sow calecaria, cineraria, pansy, primula, stocks and Christmas flowers. Sow annuals. Sow annuals.

Vegetable Garden.—Sow beans, beets, brussels sprouts, early varieties of cabbage and cauliflower, chervil, chicory, corn salad, dandelion, endive, kale, kohlrabi, leek, mustard, onion, parsley, peas, potatoes, radish and spinach. Sow tomatoes, annuals, and sweet corn. Plant out brussels sprouts, cabbage and cauliflower plants.

September

Flower Garden.—Sow calecaria, campanula, cine- raria, pansy, primula, stocks and Christmas flowers. Sow annuals. Sow annuals.

Vegetable Garden.—Sow beans, beets, brussels sprouts, cress, cucumber, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, potatoes, radish, spinach and squash. Plant out brussels sprouts plants.

October

Flower Garden.—This is a good month in which to sow hardy annuals in the open ground. Sow acroclinium, alyssum, baronia, calendula, candytuft, annual chrysanthemum, clarika, collinsia, cosmos, eschscholtzia, gypsophila, helianthus, lindera, lindera, lupinus, mignonette, nepeta, plant narcissus, jacinthus, anemonies, ranunculus, German iris, Japanese iris, Lilium auratum, L. speciosum and L. rubrum, astilbe, gladiolus, achillea, agapanthus, lily-of-the-valley, spirea and delphinium.

November

Flower Garden.—Sow hardy annuals in the open ground, such as acroclinium, alyssum, baronia, calendula, candytuft, annual chrysanthemum, clarika, collinsia, cosmos, eschscholtzia, gypsophila, helianthus, lindera, lindera, lupinus, mignonette, nepeta, plant narcissus, jacinthus, anemonies, ranunculus, German iris, Japanese iris, Lilium auratum, L. speciosum and L. rubrum, astilbe, gladiolus, achillea, agapanthus, lily-of-the-valley, spirea and delphinium.

Vegetable Garden.—Sow beans, beets, brussels sprouts, cress, cumeen, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, potatoes, 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, baronia, calendula, candytuft, annual chrysanthemum, clarika, collinsia, cosmos, eschscholtzia, gypsophila, helianthus, lindera, lindera, lupinus, mignonette, nepeta, plant narcissus, jacinthus, anemonies, ranunculus, German iris, Japanese iris, Lilium auratum, L. speciosum and L. rubrum, astilbe, gladiolus, achillea, agapanthus, lily-of-the-valley, spirea and delphinium.

Vegetable Garden.—Sow beans, beets, brussels sprouts, cress, cucumber, dandelion, endive, kale, kohlrabi, leek, lettuce, mustard, onion, parsley, peas, potatoes, radish, spinach and turnip.
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. 65c, 10 lbs. $6.00.

WHITE DUTCH CLOVER. Largely used for mixing with Kentucky Blue Grass making an excellent lawn. Seed of the best quality. Lb. 55c, 10 lbs. $8.00.

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. 40c, 10 lbs. $3.50, postpaid.

PACIFIC RYE GRASS. Similar to the Australian Rye Grass, but better. Recommended for lawns. Lb. 45c, 10 lbs. $4.00, postpaid.

SHADY LAWN GRASS. This is used for sowing under trees. It makes a rich, velvety lawn, and will grow under shade. When other grasses will not thrive. Imported seed, lb. $1.25.

DIRECTIONS FOR MAKING A NEW LAWN

The ground should first be spiked 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 300 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, over the ground first with one and then with the other; as in this way they can be sown more evenly than if the seeds are mixed together. After the seed has been sown, it should be covered with about half an inch of good mulch. This is very essential, especially during the hot weather, as it is necessary that the surface be kept continually moist, giving the seed an opportunity to germinate. The best thing to use for a mulch is thoroughly rotted manure, which has been passed through a fine screen. Great care should be taken in selecting this, and it should be taken from a pile that has been thoroughly heated, so that all the weed seeds are killed. When any other kind of manure is used, it will only bring weed seeds into the lawn. For small lawns, burlap is often used in place of a mulch. This is spread out over the surface of the ground, the watering being done over the burlap, which can be removed after the seed has germinated. Burlap is especially valuable on steep banks or slopes, as it both keeps the surface moist, and also prevents the seed from washing out. Watering a newly sown lawn should be done very carefully, and with a fine spray, and as often as is necessary to keep the surface perfectly moist at all times of the day, until the seed has germinated. After the lawn is five or six weeks old, it will be necessary to weed it, as even with the best of care there are bound to be some weeds produced from seeds which have been lying dormant in the ground or blown in from vacant lots, etc. This should be done carefully, pulling out all weeds by the roots.

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

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 the lawn again and apply a light dressing of Commercial Lawn Fertilizer to insure a luxuriant growth through the winter.

LAWN 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. $2.00, 100 lbs. $3.75, by express or freight.
Superb New Antirrhinums or Snapdragons

Snapdragons are among the most popular flowers grown in California. In the last few years great advancement has been made in the development of these lovely flowers, both increasing the size of the blossoms and adding new and delicate shades. The Intermediate or small variety, varieties grow from 12 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 and delicate flowers 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. Indispensable for cutting and also for display in the garden.

Apple Blossom. Delicate pink, white throat. Pkt. 25c.
Copper King. Coppery scarlet, 1 Pkt. 25c.
Golidelberg. Light copper, old rose throat. Pkt. 25c.
Maralida. Coppery carmine. Pkt. 25c.
Neon. Rosey lilac, white throat. Pkt. 25c.
Wallflower. Brownish orange and copper red. Pkt. 25c.

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 55 cents.

INTERMEDIATE VARIETIES

Amber Queen. Canary yellow, shaded chamois pink.
Bonfire. Orange buff, shaded scarlet.
Cottage Maid. Coral pink with white throat.
Golden Queen. Golden yellow.
Mauve Beauty. Rosy mauve.
Old Rose. Soft blush 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 55 cents.

Long Spurred Hybrid Aquilegias

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

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 blooming asters for 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 in 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. ½ oz. 50c.

Special Offer. Full collection of the above 6 colors, one packet of each, for $1.25.

Payne's California Giant Aster

A new giant strain of Aster combining the tall branching habit of the American Beauty with the large flowers of the Ostrich Plume type. The plants grow 2 to 3 feet high and produce 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 four 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.

New Aster, American Beauty

This giant 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 in 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. ½ oz. 50c.

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 bloom. 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 stems 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 hardiness, its quick growth, reaching a height of 20 to 25 feet in a short time, and also for its rich green, laciniated foliage, which resembles that of a fine Japanese Maple. The flowers, which are about 1½ inches in diameter, the tube being about 1½ 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 plants but also for out-door culture in sheltered and shady situations, and we regard some 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.

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 are produced a nick a beard-like growth, giving the flower a full or double appearance in the center, as seen in the accompanying illustration. While they do not contain, to whether 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; Malmaison Pink, pkt., 15c; mixed, pkt., 15c.

Cynoglossum amabile

The Chinese Forget-me-not!

A beautiful perennial from Southwestern China which succeeds well in our climate. The plants grow 1½ 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 to 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 the 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. Pink salmon. 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 3 to 5 feet high and from numerous stems from the crown, but require no staking. The flowers are large and are arranged rather loosely 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 fine 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; ½ oz. 60c.
Belladonna. Orange. Pkt. 25c; ½ oz. 60c.
Belladonna hybrids. Various shades of light and dark blue. Pkt. 25c; ¼ 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, free flowering qualities and intense blue color of the flowers render this variety invaluable for bedding purposes. Pkt. 25c.

“Queen Ann’s Blue Lace”
Didiscus Coeruleus
Though not new this valuable annual has only recently been introduced into California. The plants are of fine 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 5 to 6 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, salmon, 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 Jamesoni
This beautiful plant from South Africa thrives quite well in our California climate, and is becoming very popular here. The plants require a good rich soil, with plenty of drainage and a sunny location. The flowers resemble a marguerite in shape, but are of an intense scarlet-orange color. They are produced on long stems and last a long time when cut. The seed should be sown in seed pans of light, well-drained soil, and kept in a glass house or frame, and the young plants can afterwards be transplanted to the open ground. Pkt. 25c.

Gerbera Jamesoni hybrida
The flowers of these magnificent hybrids of the Transvaal Daisy are of about the same size as those of the parent plant 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 dwarf variety Mrs. Bradshaw, but are of a deep, rich golden yellow. It makes a fine display in the garden and is excellent for planting in drifts. 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.

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 lupine which I am now offering to my customers. Pkt. 15c; oz., 75c; lb., $7.50.

Meconopsis heterophylla
“Flaming Poppy”
This charming little plant is a native wild flower of California, but is worthy of a place in every garden. It is an annual, a slender fragrant plant 1 to 2 feet high, succeeding well in partial shade. The flowers are an intense orange scarlet with a deep maroon ring at the base, of exquisite beauty, the petals having the delicate satin texture of the poppy. Sow in fall or very early spring in the open ground. Pkt. 15c.

Nemesia strumosa suttonii
New 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.
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 centers. It is a biennial 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 pale 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, cherry red and white or scarlet with white center. They attain a height of about 2 feet and are 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 the Flanders fields. It is an annual on the Eastern Europe this poppy grows wild in the fields and along the road sides. 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. Payne 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

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.

Payne’s Royal Exhibition Pansy
This is undoubtedly the most superb strain of Pansies ever offered on this coast. The plants are of vigorous growth, and are particularly free flowering. The blossoms are very large, and of fine, velvety texture, including all the richest shades, many of them exquisitely biotched, spotted and margined. Pkt., 25c; ¼ oz. $1.25.

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.

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 produces immense flowers of great substance, often 4 or 5 inches in diameter, deep-throated and with the edge of the petals beautifully ruffled and fringed. They include all the richest colors and combinations of colors, many of them beautifully veined, mottled or striped. Pkt. 25c.

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 or shaded 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.

"Mexican Sunflower"

Tithonia Spiccosa
A rare plant from Mexico. Annual throwing up from the root many small 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 shrub-like plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders. Pkt. 15c.
Heathham Beauty. New, deep rose shading to pale pink and chamois toward center, large spike, extra fine. Pkt., 25c; ½ oz., $1.00.


Mont Blanc. Pure white. Pkt., 15c; ½ oz., 65c.

Queen Alexandra. Lilac rose. Pkt., 15c; ½ oz., 65c.

Queen of the Belgians. Silvery lavender, very large spike, extra fine. Pkt., 15c; ½ oz., $1.00.

Souvenir de Monaco. Crimson. Pkt., 15c; ½ oz., 75c.

Souvenir de Monte Carlo. Cream color. Pkt., 15c; ½ oz., 75c.

Summer Night. Deep purple. Pkt., 15c; ½ oz., 75c.

Nice Giant. All colors mixed. Pkt., 15c; ½ oz., 85c.

Nice Giant, Payne's Special Mixture of Pastel Shades. Pkt., 25c; ¼ oz., $1.60.

Giant Stocks—Bismarck

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 2½ 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 9 distinct colors. White, Cream-color, Chamois, Flesh Pink, Rose, Blood Red, Lilac, Lavender, Deep Purple, or mixed. Each, per pkt., 25c.

Verbena hybridia 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 so free flowering that it is far superior for bedding purposes. The plants begin to bloom when quite young and produce a never ending succession of delph 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; ½ 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 colors, ranging from cream color to primrose, sulphur yellow, golden yellow, lilac, mauve, purple and violet. Cannot be equalled 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 fragrance, but also have the 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 hardy-blooming and true-blossom type in back of them. A condensed list of the better known species will be found on pages 22 to 25.
Payne's Giant Double Zinnia

New Dahlia Flowered Zinnia

A new and distinctive 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 or on long stems. Blooms are the largest of any Zinnia ever grown and when fully developed often measure 4 inches in depth and 5 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. Most pleasing of collection. Pkt. 25c.

Old Rose. Beautiful old rose shade, very large. Pkt. 25c.


Giant Attraction. Brick red, forming immense ball of color. Pkt. 25c.

Scarlet Flame. Bright scarlet, blended orange. Pkt. 25c.

Meteor. The darkest shade of red, very large. Pkt. 25c.

Oriole. Orange and gold, immense flowers, very beautiful. Pkt. 25c.

Dream. Deep lilac, turning to mallow purple. Pkt. 25c.

Canary Bird. Yellow. Pkt. 25c.

Dahlia-Flowered Mixed. Pkt. 25c.

Giant Picotee Zinnia

The Picotee Zinnia is a new and unique class. Flowers like the Giant Zinnia but the petals are tipped with a different color; flesh pink tipped with chocolate brown is one of the most frequent types, others are orange, lemon yellow, cerise, various shades of pink and crimson, all with well defined gold or brown picotee markings. Pkt. 25c.

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 2½ 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. 15c; ½ oz., 35c.

Buff. Pkt., 15 c; ½ oz., 40c.

Bright Rose. Pkt., 15 c; ½ oz., 35c.

Burnt Orange. Pkt., 15 c; ½ oz., 40c.

Canary Yellow. Pkt., 15 c; ½ oz., 35c.

Crimson. Pkt., 15 c; ½ oz., 35c.

Flesh Pink. Pkt., 15 c; ½ oz., 40c.

Orange King. Pkt., 15 c; ¼ oz., 50c.

Purple. Pkt., 15 c; ½ oz., 35c.

Rose King. Pkt., 15 c; ¼ oz., 40c.

Rose Queen. Pkt., 15 c; ½ oz., 50c.

Salmon Pink. Pkt., 15 c; ½ oz., 40c.

Scarlet. Pkt., 15 c; ½ oz., 35c.

Shrimp Pink. Pkt., 15 c; ½ oz., 40c.

All Colors Mixed. Pkt., 15 c; ½ oz., 25c.

SPECIAL OFFER. Collection of any six of the above, one pkt. each, for 75c. Collection of the whole 14 colors, one pkt. each, for $1.50.

Giant Quilled Zinnia, Victory

In this Zinnia we have quite a departure in this popular class of flowers. It is quite distinct from all other varieties ever raised. The petals are partially tubular or quilled, giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as, salmon, old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large, double flowers often 5 inches in diameter, which last a long time when cut. Pkt., 25c.

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 dazzingly 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 things. Pkt., 15 c; ½ oz., 40c.
General List of Choice Flower Seeds

In sowing flower seeds in California it must be remembered that the conditions are entirely different from those on the East Coast. The time for sowing all hardy and half hardy annuals is in the Spring, while in California the majority of them do better by being sown and early part of the Winter; this being the season when most of our native annual wild flowers commence to grow. It naturally follows then that the best time to plant most annuals in our gardens. There are, however, some exceptions to the rule, as in the case of some hardy perennials, which are distinctly Summer flowering plants. In the following pages I have endeavored to give special instruction as to the season when each should be sown. Where no special time for sowing annuals is mentioned, it is understood that the Fall and Winter months are the best.

**ACROCLINIUM.** "Everlasting Flower." Annual 1 to 1½ feet high. Pretty daisy-like flowers, very effective for bouquets either fresh or as a dried flower. For drying cut with stem intact; the flower commences to open, tie in bunches and hang up, with the flower downwards, for 4 or 5 weeks until thoroughly dry. It succeeds best in California when grown in the winter season. Sow in open ground when early Winter. Rose, white, or mixed. Each per pkt. 10c; oz. 75c.

**AGATHAEA COELESTIS.** "Blue Daisy." Perennial, 1 to 1½ feet high. A pretty little plant blooming almost the whole of the Summer. Flower sky-blue with yellow centers. Useful for beds, borders, rock gardens and window boxes. Sow the seed in fall or early spring in a rich well worked soil. When large enough transplant. Pkt. 15c; ¼-oz. 65c.

**AGERATUM HANCORESCENS.** Annual, 9 to 12 inches high. A favorite bedding plant; flowers in clusters, of brush-like in the first time to free flowering and bloom nearly all through the season. Seed should be sown in pots or seed boxes and transplanted. Pkt. 15c; ¼-oz. 65c.

**ALYSSUM.** Free flowering annual, useful for beds, edgings, etc. maritimum, "Sweet Alysimum." White; height 6 to 9 inches. Pkt. 10c; oz. 45c.

Little Gem. Dwarf, 4 to 6 inches. Pkt. 10c; oz. 45c.

Carpet of Snow. Very dwarf. Pkt., 10c; oz. 75c.

Little Gem. Dwarf. 4 to 6 inches. Pkt. 10c; oz. 45c.

Intesceous. Creamy yellow. Pkt. 15c; oz. 1.00.

**ALYSSUM SAXATILE COMPACTUM.** "Gold Dust." Perennial 9 to 12 inches high. Excellent for beds and window boxes. In spring or early fall, in seed boxes and when large enough transplant. Pkt. 10c.

**AMARANTHUS.** Annual, ornamental foliage plants succeeding well in California, especially in the Summer season. Sow the seed in spring in a seed box and transplant to a sunny situation. Pkt. 15c; oz. 1.00.

**ANCHUSA CAPENSIS.** "Cape Alkanet." Annual 1½ to 2 feet high, of easy culture: flowers forget-me-not blue. Pkt. 15c; oz. 1.00.

**ANTIGONON LEPTOPUS.** "Rosa de Montana." A beautiful perennial climber, producing immense clusters of flowers, of scarlet or crimson. Sow in pots as early as possible and afterwards transplant. Pkt. 15c.

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

Tall mixed. Height, 2 to 2½ ft. Pkt. 10c.

Intermediate. Height, 1½ to 2 ft. Pkt. 10c.

Separate colors. See page 5.

**AQUILEGIA.** "Columbine." Magnificent perennial plants growing from 2 to 3 ft. high and flowering in the Spring. The seed should be sown in Spring in seed pans or boxes and afterwards transplanted. They succeed best in a moist shade situation. California hybrid. Very large yellow flowers with large crimson petals. Pkt. 15c.

chrysantha. Rich canary yellow. Pkt. 15c.

coeurea. (Rocky Mountain Columbine), pale blue and white. Pkt. 15c.

Long spurred Hybrids. See Novelties, page 5.

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

**ASTER.** A popular annual, largely grown for cut flowers, also for beds and borders. Sow in March, May in seed pans or boxes, and when large enough transplant to rich, well worked soil. American Beauty, and other Novelties, page 5.

**AUSTRALIAN PEA VINE.** (Dolichos dignus.) A very rapid growing vine, with pretty foliage and red and purple flowers. Sow the seed outdoors and cover with a fine spray when growing over fences quickly; stands the heat well. The seed should be soaked in hot water about 12 hours before sowing. Pkt. 10c.

**BALSAM.** "Touch-me-not." Annual 1 to 1½ feet high. Valuable for summer flowering. Sow the seed in early spring and afterwards transplant to beds of rich, well prepared soil. Camellia-flowered. Double mixed. Pkt. 10c.

**BARTONIA AUREA.** Annual 1 to 1½ feet high. Large golden yellow flowers opening during the sunshine. Pkt. 10c.

**BEGONIA TUBEROUS-ROOTED.** Beautiful perennial plant blooming the first season if sown early. Much used as pot plants; also for planting out in sheltered places. The seed should be sown in well drained seed pans, using a mixture of loam, leaf-mould and sand; press down firmly, sow the seed on the surface and do not cover, but press firmly with the hand; water with a fine spray. When the plants are large enough, pot off into small pots. Double mixed. Pkt. 50c.

**BEGONIA EVER-BLOOMING BEDDING VARIETIES.** Perennials flowering the first season from seed. Very popular bedding plants doing well in the full sunlight, also in a shady and partially shady situations, flowering for a long period. The plants grow about 1 foot high, forming dense, compact bushes, charming plant for beds and borders, with rich double flowers. They are also admirable for pot culture or window boxes. Sow the seed the same as the tuberous rooted begonias. Pkt. 15c.

**BELLIS PERENNA.** "Double Daisy." Perennial, but flowering the first season from seed. Favorite plants for edgings, low beds, etc. Height 6 inches.

Longfellow. Pink and white. Pkt. 10c.

Snowball. Pure white. Pkt. 10c.

Montrose. A new strain of strong, robust growth with abundance of immense very double flowers. Rose, red, white or mixed. Per. pkt. 15c.

Double mixed. Pkt. 10c.

**BIDENS DAHLIOIDES.** See Flower Seed Novelties, page 5.

**BROMYCEI HERIDIFOLIA.** "Swan River Daisy." Annual 1 to 1½ feet, forming a close, compact plant, with immense numbers of large single blue or white flowers, in bloom nearly all the year.

Blue. Pkt. 10c.

Mixed. Pkt. 10c.

**BROWNALLA ELATA.** Annual, 1 to ½ feet high. A charming plant for beds and borders, also very valuable in California for winter and spring flowering. Sow the seed in August or September in seed boxes and transplant. Pkt. 15c.
CALCEOLARIA HYBRIDA GRANDIFLORA. A magnificent greenhouse perennial, blooming the first season. Large pocket-like flowers of the most brilliant shades of yellow, maroon, crimson, etc., spotted and blotched in the most unique fashion. The strain offered here is from one of the most celebrated growers in Europe and is unsurpassed in quality. Sow in August or September in seed pans and keep in greenhouse.

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

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

Meteor. Yellow, striped orange. Pkt., 10c; oz., 40c.
Orange King. Deep orange. Pkt., 10c; oz., 50c.
Lemon Queen. Sulphur yellow. Pkt., 10c; oz., 40c.

The Ball. See Flower Seed Specialties, page 6.

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

bleolor. Golden yellow with black centers. Pkt., 10c; oz., 50c.
Fine Mixed. Pkt., 10c; oz., 40c.

CAMPANULA MEDIUM. "Canterbury Bells." Biennial, 2 1/2 to 3 feet. Old-fashioned favorite flowers of easy culture. The seed may be sown late in spring or early in fall, in seed beds or boxes, and when large enough, transplant to where they are to flower. The plants will bloom the following spring and summer.

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

Cup and Saucer. Blue, Rose, White or mixed. Each, per pkt., 15c.

Single, Blue, Rose, White or Mixed. Each, pkt., 10c.
Double, Blue, Rose, White or Mixed. Each, pkt., 15c.

CANDYTUFT. Old-fashioned free flowering annuals growing 1 to 1 1/2 feet high, very desirable for borders and masses.

Carmine. Bright rosy carmine. Pkt., 10c; oz., 50c.
Crimson. Dark crimson. Pkt., 10c; oz., 50c.
Empress. White, long spikes. Pkt., 10c; oz., 50c.

Flesh Pink. A beautiful shade. Pkt., 10c; oz., 50c.
Lilac. Rosy lilac. Pkt., 10c; oz., 50c.
Rose Cardinal. Pkt., 10c; oz., 60c.

Choice Mixed. Pkt., 10c; oz., 40c.

CANDYTUFT. Old-fashioned free flowering annuals growing 1 to 1 1/2 feet high, very desirable for borders and masses.

CANDYTUFT. Old-fashioned free flowering annuals growing 1 to 1 1/2 feet high, very desirable for borders and masses.

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

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

CARNATION. Perennial, 1 1/2 to 2 feet high. Well-known favorite flowers much used for cutting purposes. Sow in seed pans or boxes, and when large enough, pot off and afterwards transplant to the open ground. The plants will flower the following year; as they bloom they should be carefully marked, saving only the best double flowered ones and discarding the small and single-flowered plants.

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

Carnation, Chabaud's Giant. See Flower Seed Novelties, page 6.

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

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

Fine mixed. Pkt., 15c.

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

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

Fine mixed. Pkt., 15c.

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


CENTAUREA CANDIDISSIMA. "Dusty Miller." Perennial, 1 to 1 1/2 feet. A beautiful plant with woolly silverly leaves and used for beds and edgings. The seeds should be sown in seed boxes and afterwards planted. Pkt., 10c.

CENTAUREA CYANUS. "Cornflower." Annual, 1 1/2 to 2 feet high. A well-known annual, much used for cutting purposes.


Mixed Colors. Pkt., 10c; oz., 35c.

Double Blue. Pkt., 15c; oz., 75c.

Double Pink. Pkt., 15c; oz., 75c.
CENTAUREA IMPERIALIS. "Royal Sweet Sultan," a large and magnificent annual, often grown as a biennial. The seed is sown in the fall, and large enough to flower the following year. The flowers are very showy, and are large enough to make beautiful cut flowers. Pkt., 10c.


CHINESE WOOL FLOWER. See Flower Seed Novelties, page 6.


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 fall 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 for transplanting, transplant to larger pots as required. The strain 1 am-offer is the very best, procured direct 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. Stellata. See Flower Seed Specialties, page 6.


Cobaea scandens. Perennial, climbing vines, attaining a height of 30 feet or more and blooming freely the first season. Valuable for covering trellises and other large, flat, bell-shaped flowers. Sow the seed early in the spring in seed boxes, and as soon as large enough transplant to the open ground Pkt., 10c.

Coleus. Perennial, 1½ to 2 feet high. Magnificent foliage plant. For pot culture or for planting out during the summer season, sowing the seed in pots or pans, covering very lightly, and as soon as large enough pot off into small pots. New large-leaved varieties. The finest strain pro- cure. Producing large leaves of the most brilliant and showy colors. Pkt., 25c. Fine mixed. Pkt., 15c.

Colias bicolor. "Innocence." Annual, 1 to 2 feet high. Of slender, graceful habit, with bright green foliage. Flowers in clusters regularly disposed, suggesting rows. Upper lip white or lilac, lower violet or rose-purple. Pkt. 10c; oz., 35c; lb., $4.00.

Centaura imperialis


Corydalis. See Centaurea.

Cosmos. Annual, producing large single flowers much used for cutting purposes. The plants vary in height according to the time of year at which they are planted. If sown in the spring they grow very tall, from 6 to 8 feet high, and flower in the fall, but if the seed is sown in the fall, about October they will flower in about 2 months and the plants will be dwarf, from 1½ to 2 feet high and are very pretty for masses in beds. Seed sown in December will form dwarf plants and bloom about March.

Coreopsis lanceolata. Perennial, 2 feet high. Large, showy, bright yellow flowers produced in great abundance. Much used for cutting purposes. Pkt., 10c.

Cornflower. See Centaurea.

Cucumis melo. 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 6 to 8 feet high, and flower in the fall, but if the seed is sown in the fall, about October they will flower in about 2 months and the plants will be dwarf, from 1½ to 2 feet high and are very pretty for masses in beds. Seed sown in December will form dwarf plants and bloom about March.


Cosmos klondyke. Annual, 2 to 3 feet. Deep orange-colored flowers 2 to 2½ inches in diameter, blooming in the fall. Pkt., 15c.

Cucumis melo. A quick growing annual vine for covering trellises, etc. Pkt. 10c.
CYCLAMEN PERSICUM. Perennial, 8 to 10 inches. Blooming in winter and spring. Generally grown as a pot plant. The seed may be sown in the spring in peat or in the fall in seed pans, which is rich soil mixed with leaf-mould and sand and potted on when large enough. Pkt., 15c. Giant English. See Flower Seed Specialties, page 6.

CYPRESS VINE. A popular annual climbing vine with delicate fern-like foliage and masses of small starshaped flowers. Sow the seed in warm water a few hours before sowing. Scarlet, white or mixed. Each, per pkt., 10c.

DAISY. See BELLIS.

DELPHINIUM. "Perennial Larkspur." Perennial, 3 to 6 feet high. Beautiful summer flowering plants with long spikes of showy flowers. Sow the seed in spring early fall in seed boxes and afterwards transplant to the open ground. Dahlias like a rich soil with plenty of well rotted manure and should be well watered. In raising Delphiniums from seed many of them will come semi-double, although the seed is saved from the very best double varieties. The best varieties should be marked when in flower and at the end of the season the poor ones discarded and the better ones can be taken up and divided and again replanted. Cactus. Double, with long pointed petals; seed sown from one of the finest collections. Mixed colors. Pkt., 15c. Double, Large Flowered. Mixed colors. Pkt., 15c. Persian Flowered. Large, mixed colors. Pkt., 15c. Single. All colors; splendiferous mixed. Pkt., 10c.

DELPHINIUM "Perennial Larkspur." Perennial, 3 to 6 feet high. Beautiful summer flowering plants with long spikes of showy flowers. Sow the seed in spring or early fall in seed boxes and afterwards transplant to the open ground. Deldonna. See Flower Seed Specialties, page 6.

Dianthus. See BELLIS. (Dianthus deltoides. Extremely large flowers in all the richest shades of blue. Pkt., 15c.

Dianthus chinensis. Taw Thumb. See page 7.

DIANTHUS CHINENSIS. Biennial; but generally treated as an annual; 1 foot high. Charming free flowering plants with flowers of most brilliant colors. Very effective for planting thickly in beds. chinensis. Fine mixed. Pkt., 10c.

Reddevicta. Single fine mixed. Pkt., 10c.


Eastern Queen. Single, marbled carmine-rose mauve and lilac. Pkt., 10c.

hybrida. Double mixed Pkt., 10c.

lacinatus. Single fringed, fine mixed. Pkt., 10c.


The Shirley. See Flower Seed Novelties, page 7.

DIMORPHOTHECA AURANTIACA. "African Orange Daisy." Annual, 12 to 15 inches high. One of the very best winter flowering plants yet introduced. Heat well in February or October before it is to be had in bloom as early as January and will flower continually until late spring or early summer. The most meritorious feature of these blossoms is that two and a half inches in diameter, are of a unique, glossy orange-gold, this brilliant color being rendered more conspicuous by the dark colored disk, which is surrounded by a black zone. Pkt., 10c oz. 815.00.

Hybrida. Splendid new hybrids, colors range from white, lemon, golden yellow, orange to salmon. Pkt., 15c.

ERYTHROGEN PERUVIANUM. Annual, 1 to 1 1/2 feet high, resembles the wallflower and produces in winter and spring great quantities of orange colored flowers; very effective when planted in masses. Pkt., 6c.

ERYNGIUM AMETHYSTINUM. "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.


FIRESIA. See Flower Seed Specialties, page 7.


GAILLARDIA GRANDIFLORA. Perennial, 1 1/2 feet. Large flowered varieties, fine mixed. Pkt., 10c.

GERANIUM. Well known perennial, single varieties, splendiferous mixed. Pkt., 15c.

GERBERA. See Flower Seed Specialties, page 7.

GEUM COCCINEUM, Mrs. Bradshaw. Splendid perennial which blooms for the greater part of the year. Grow 1 1/2 to 2 feet high and produces a profusion of large double bright scarlet flowers. Pkt., 15c. Lady Sarah Strass. Seed. See Flower Seed Novelties, page 7.

GLIA TRICOLOR. "Bird’s Eyes." Annual, 9 inches to 1 foot high. Flowers pale lilac, yellow toward the center, with five purple spots. Charming combination of colors. Pkt., 10c.; oz., 40c; lb., 45.00.

GLOXINIA HYBRIDA. Beautiful perennial greenhouse plant, height about 8 inches, with large handsome foliage and immense trumpet-shaped flowers which are of a texture like velvet, of the most brilliant shades of violet, purple, crimson, scarlet, pink and lavender. Often beautifully biotched and spotted. Sow the seed in February or March in seed pans of light soil mixed with leaf-mould. Do not cover the seed, but sow on the surface and press down firmly with the hand and water with a fine spray. Keep in a greenhouse; when plants are large enough, pot off as required. All colors, splendiferous mixed. Pkt., 25c.

GODETIA. Annual, 1 to 2 feet high, with large, showy flowers. Especially valuable for sowing in partially shaded places. Duchess of Albany. Pure white. Pkt., 10c.


Lady Alenmarie. Large, brilliant crimson. Pkt., 10c.

Lady Satin Rose. Bright carmine. Pkt., 10c.

Rose May. Double deep rose. Pkt., 15c.

Hybrids, Mixed Colors. Pkt., 10c.; oz., 35c.

Eschscholtzia californica. "California Poppy"
GOMPHEREA GLOBOSA. "Globe Amaranthus." Annual, 1½ to 2 feet high. Producing numerous flower heads, which are cut and used as an everlasting flower. White, pink, purple and striped. Each, per pkt., 10c.

GYNANDRA ELEGANS. Annual, 1½ to 2 feet high. Much used for bouquets for mixing with carnations and other flowers. Flowers small, white; blooming before the summer sets in. Pkt., 10c; oz., 40c.

Helenium, Perennial, 2 feet high. Flowers smaller than the preceding. White and used for bouquets. Blooms a 2 foot in the summer season. Pkt., 10c.

Double Snow White. A new variety producing about 50 per cent double flowers. Pkt., 15c.

ELEUSINE. Annual, 4 to 6 feet. Well known showy plants for summer flowering. Sow the seeds in the spring in the open ground and they will remain and flower the following year. Pkt., 10c.

Chrysanthemum Flowered, Double. Very large, perfect flowers resembling giant chrysanthemums. Plants on long stems, golden yellow and double. Pkt. 10c.

New Red Sunflower. Flowers very greatly in size, from 4 to 5 inches across. Color of the flowers also varies, some are solid red, others with petals tipped and other pleasing combinations of red and gold. Planted for a background or a temporary hedge, they are very showy. Pkt., 15c.


May Flax, Blue, white, or red with narrow zones of blood red, purple or brown, mixed. Pkt., 15c.


HELIOTROPIUM. Perennial, 4 to 5 feet. A favorite dwarf for growing in small flower gardens. Plants are hardy and will thrive in the seed in the spring in seed boxes and transplant. Large flowered varieties mixed. Pkt., 10c.

Heliotropium SANGUINE. "Coral Bells." Perennial, with heart-shaped leaves from which rise numerous slender graceful stems about 1 foot high bearing thousands of small coral-red bell-shaped flowers. Very effective for borders and rock gardens. Sow in seed boxes early in the fall and transplant. 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.

Chater's superb strain, finest double, White, rose, Newport pink, scarlet, crimson, sulphur yellow or mixed. Each, per pkt., 15c.


HONESTUS JAPONICUS VARIUSCATUS. "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.

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

POCALE LEARI. "Blue Dawnflower." Perennial climbing vine, 30 to 40 feet. Likes a warm, sunny situation. Sow the seed in hot water a few hours before planting and sow in spring when the weather is warm and settled. Pkt., 15c.

grandiflora alba. "White Moonflower." Perennial climbing vines. 6 to 20 feet. Large white, sweetly scented flowers 5 inches in diameter. Treat the seed the same as the above variety. Pkt., 15c.

H. Grandiflora Annuum. 15 feet. Flowers large, sky-blue, flowering in the fall. The most beautiful of all. Treat the seed the same as the above. Pkt., 10c.

KOEHLER Annuum. 15 to 20 feet. Flowers large, varying in color from pure white to carmine, through blues and purples of every shade to almost black. Pkt., 15c.

KOCIA TRICHOHYLLA. "Summer Cypress." Annual, 3 to 4 feet high. Forms very decorative, compact bushes, fine light green foliage, white flowers in June, deep red in the fall. Very ornamental for planting as a background or temporary hedge. Sow in spring Pkt., 15c.

JACOBEA. (Senecio elegans.) Free flowering annual, 1 to ½ feet high producing dense heads of small double flowers; very desirable for cutting. Flesh color, Red, Lilac, or mixed. Each, Pkt., 15c.

LARKSPUR. Annual, 3 feet high. Free flowering plants. Useful for beds and also for cutting. Pkt., 10c. oz., 15c.


Pink Beauty. Large flowers, bright pink. Pkt., 10c.

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

Rose color or white. Each, per pkt., 10c.

LINARIA Cymbalaria. "Kenilworth Ivy." A charming little perennial trailing plant. Useful for baskets, rock work, etc. The flowers are like a miniature Snap-Dragon; color lavender and purple, and contrast well with the small ivy-shaped leaves. Pkt., 15c.


LINUM GRANDIFLORUM RUBRUM. "Scarlet Flax." Annual, 1 to 2 feet high. Very effective for planting in masses in large beds; also for sowing broadcast on waste ground. Pkt., 10c; oz., 25c.

pennine. Perennial, 1 to ½ feet, bright blue flowers. Pkt., 10c.

LOBELIA. Annual, 4 to 6 inches, forming compact, free flowering plants used much 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 1 to 2 inches deep 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.


Light Blue. Compact growing. Pkt., 10c.


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

LOVE-LIES-BLEEDING (Amaranthus caudatus). Annual, 2 feet high, with large drooping panicles of blood-red flowers. Seed should be sown in the spring the plants bloom during summer. Pkt., 10c.


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.


MALOPE GRANDIFLORA PURPUREA. Annual, 2 feet high. Flowering well during the summertime. Large crimson flowers. Pkt., 10c.

aloha. White. Pkt., 10c.


MARIGOLD, AFRICAN. Annual, 3 feet. Flowering in summer and fall. The flowers are large, double or very showy. Sow in spring.


MARIGOLD, FRENCH. Annual, 1 to 2 feet high. Sow in spring.

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

Double golden yellow. Pkt., 10c.

Dwarf double mixed. Pkt., 10c.

Reign of Honor: "Little Brownie." A compact growing single variety. Golden yellow marked with large spot of crimson velvet on each petal. Pkt., 10c.


MAURANDIA. Perennial climber, 6 feet. Delicate foliaged and pretty trumpet-flower. Sow early in spring and the plants will bloom the first season. Mixed colors. Pkt., 10c.

MECONOPSIS. See Flower Seed Specialties, page 7.

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

crystallum. "Ice Plant." Flowers white. Foliage has the appearance of being coated with ice. Pkt., 10c.

MIGNONETTE. Annual, 8 inches to 1 foot high. An old-fashioned flower much prized for its fragrance. Large flowering. Sweet scented. Pkt., 10c; oz., 30c.

Machet. Of dwarf pyramidal habit. Very fragrant Pkt., 10c; oz., 50c.

Allen's Defense. A large variety with immense spikes. Pkt., 10c; oz., 60c.

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

MIMOSA PUDICA. "Sensitive Plant." Annual, 2 feet. A curious plant with pinnate leaves which close and wither immediately when touched. Sow in seed pans early in spring. Pkt., 10c.

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

Lathyrus grandiflorus. "Monkey Flower." Height 1½ feet, spotted and blotched varieties, fine mixed Pkt., 15c.


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

MIRABILIS JALAPA. "Marvel of Peru" or "Four-o'clock." Free flowering annual of bushy habit, growing 3 to 4 feet high and flowering throughout the summer. All colors mixed. Pkt., 10c.

MOMOHICHA BALSAMINA. "Balsam Apple." Annual climbing vine, 8 to 10 feet, with large leaves making a dense shade. The flowers are followed by curious orange-colored warts fruits, which burst, showing the seed and its brilliant carmine covering. Pkt., 10c.

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

niepestris. Bright blue. Pkt., 10c.

Ranul Blue. Indigo blue, extra fine. Pkt., 15c.

NASTURTIUM, TOP THUMBS. Annual, 8 inches to 1 foot; useful for bedding and borders, flowering through the summer and also through the winter in locations where they are not cut by the first frost. Pkt., 10c.

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.

Emperors of India. Dark foliage and compact; effective for beds and edging. Pkt., 10c.

Vesuvius. Salmon Rose. Pkt., 10c.

Yellow. Pkt., 10c.

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

King Theodore. Almost black, dark foliage. Pkt. 10c.

Rose. Salmon rose. Pkt. 10c.

Scarlet. Bright scarlet. Pkt. 10c.

Crimson. Velvety crimson. Pkt. 10c.

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

Spotted Nemesia. See Flower Seed Specialties, pages 7-8.

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

Insignis. "Boy's Blue Eyes." A delicate little plant; flowers clear azure blue. Pkt. 10c; oz., 5c; lb., $4.00.

maculata. White spotted with purple. Pkt., 10c; oz., 5c; lb., $4.00.

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

alba. Large white, fragrant flowers, 3 inches across. Pkt., 10c.

Sanderse hybrids. Splendid plants, flowers in great variety of colors. Pkt., 10c.

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

NIGELLA DAMASCENA. "Love-in-a-Mist." Annual; height 1 1/2 feet, with finely cut foliage; curious looking flowers of a pale blue color.

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

OENOTHERA DRUMMONT. "Evening Primrose." Annual, 2 to 3 feet, with large yellow flowers. Succeeds well in a partially shaded place. Pkt., 10c.

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 part of 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 and 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 broad-cast, covering 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 about 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 rotted 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, 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. See Flower Seed Specialties, page 8.

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

Cassier's Large Flowered Blotch. A splendid strain; flowers beautifully blotched, of richest shades. Pkt., 25c.

Masterpiece. "Frilled Pansy." A grand new class, each petal being conspicuously waved or curled, giving the flower a double or globular appearance. Rich colors, mostly of the dark, velvety shades. Pkt., 25c.


Giant Trimmerande. 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 Blanks. Velvety black.

Giant Light Blue. Pale blue.

Giant Lord Bensoune Phand. Violet, upper petals shading to white.

Giant Madame Perret. Beautiful wine shades on white ground.

Giant Peacock. Royal purple and peacock blue.

Giant Snowflake. Pure white.

Giant mixed.
PENTSTEMON. Perennial, 2 to 3 feet. Free flowering plants for borders or beds. Colors in various shades of white, pink, red and purple; beautifully spotted and marked. Sow seed in spring or early fall in seed boxes and when large enough, transplant. Hartwegii grandiflorus. Large flowered, superb, mixed. Pkt. 15c.

PHLOX DRUMMONDI GRANDIFLORA. Beautiful annual, 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 seed in spring in seed boxes and when large enough, transplant to the open ground. Large flowered, white, chamomile rose, scarlet, crimson, red with white eye, pink, yellow, or mixed. Each. per pkt. 10c. nan compacta Fireball. Dwarf, rich scarlet. Pkt. 10c.

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 very beautiful shades. Sow the seed in the fall in seed pans and afterwards transplant. All colors splendid. Giant Munstead Strain. Very large flowers in beautiful light shades. Pkt. 25c.

POPPY, ANNUAL SORTS. Showy flowers for beds and borders, also very sown on waste pieces of ground. The best results will be obtained by sowing in fall or early winter. Shirley Single flowers of the most delicate crepe-like texture and every conceivable shade of color from white, flesh-color, pink, rose, carmine, scarlet to deep crimson. Pkt. 10c; oz. 50c. Shirley Blue Shades. Grey-blue. Pkt. 15c. Shirley American Legion. New, brilliant orange scarlet. Pkt. 26c. Shirley Apricot Shades. Pkt. 15c. Barr's Double Queen. Select strain of double Shirley. Mixed colors. Pkt. 25c. Tulip. Large single tulip-like flowers, color dazzling shades. Height 1½ to 2 feet. Pkt. 10c; oz. 60c. 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. 10c. Umbrosus. Single flowers, rich vermilion with deep, black spot at base of petal. Height 2 feet. Pkt. 10c. Multiflorus. A dwarf, low type. Flowers produced on the upper half of petals chamois rose. Height 3 feet. Pkt. 10c.


POPPY, FLANDERS. See page 8.

POPPY, ICELAND. (Papaver nudicaule.) A perennial, blooming the first season from seed. Pretty, grayish, fern-like foliage, formed in tufts, from which rise numerous slender stems about 1 foot high, bearing single bright colored flowers. Sow the seed in seed boxes and transplant. White, yellow, deep orange and mixed. Each, per pkt. 10c.

POPPY, ORIENTAL. (Papaver orientale.) A perennial, producing many thick, leafy stems, 3 to 4 feet high, with large, deep crimson flowers, having a black blotch on each petal, exceedingly showy. Sow the seed in spring in seed boxes and when large enough, transplant to the open ground. Pkt. 10c. Oriental Hybrids. Splendid hybrids of the Oriental Poppy, producing immense flowers, 6 inches or more in diameter and of many beautiful shades of pink, salmon, orange, scarlet, etc. Treat the seed the same as the preceding variety. Pkt. 10c.
RIDICULUS. "Ornamental Castor Bean." Rapid growing plants with immense, rich colored leaves, producing a sub-tropical effect planted on lawns or in clumps. Height 6 to 10 feet. Sow in spring when the weather has become warm and settled.

Camboagesia. Main stem and leaf stalks rich, shining ebony; leaves large, maroon with red veins. Pkt. 10c.

Gibson. Dark purplish red foliage and stems. Pkt. 10c.

Zanzibariensis. Very large, dark leaves, with reddish stems. Plants grow to immense size. Pkt. 10c.

ROMNEYA COUETHEL. "Matilija Poppy." A native of California; perennial; 6 to 10 feet high and shrub-like growth. The queen of California flowers; truly a majesty plant. The plant throws up numerous woody stems with handsome radial, orange, red foliage, topped with large numbers of flowers. The blossoms are often 6 to 7 inches in diameter, of a crepe-like texture, with more glistening white with golden centers. The seed is hard to germinate; some claim to have had success by soaking the seed in a week solution of 1%.

SALPIGLOSSIS GRANDIFLORA. Annual, 1½ ft. 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, violet; etc., beautifully veined and penciled. Sow the seed early in spring in seed boxes and transplant when large enough. Pkt. 10c.

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

SALVIA PATENS. "Blue Sage." Perennial, 2 ft, flowering the first season from seed, succeeding best in a partially shaded situation. Flowers the most perfect shade of bright blue. Sow the seed the same as the preceding varieties. Pkt. 10c.

SALVIA FARINACEA. Perennial, to 2 ft. flowering the first season from seed, and succeeding best in a sunny situation. Flowers light lavender. Sow the seed the same as the preceding varieties. Pkt. 10c.

SACHSIS. "Sweet Scabious." "Mourning Bride." Annual, 2 to 3 ft, 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 greater improvement on the old-fashioned sorts. The flowers are large, often 3 inches in diameter, double and of the most exquisite shades.

Large-flowered double. Azure Fairy, King of the Blacks, crimson, flesh pink, red, rose, white, or mixed. Each, per pkt. 10c.

SACHSIS CAUCASICCA. See page 8.

SACHSIS COLOMBARIA. See page 8.

SCHIZANTHUS. Annual, 1½ to 2 ft, producing pretty, butterfly-like flowers in great profusion, especially valued for cutting. The flowers are of various shapes and sizes, and are produced in large quantities. Pkt. 10c.

SCHIZANTHUS WISITONENSIS. See page 8.

SHASTA DAISY. One of the most popular of Mr. Burbank's productions. A hybrid grown for its first flowering for the greater part of the year, but at its best in spring and early summer. Desirable for beds or borders and especially valuable for cutting. Sow the seeds, flowers lasting a long time in water. Sow in spring or early fall in seed boxes, covering the seed very lightly, when large enough transplant.

Alaskan. Flowers often 4 inches across, pure glistening white, with yellow centers; broad overlapping petals, long stems. Pkt. 15c.

SILENE PENDULA COMPACTA. Annual, forms compact little plants about 6 inches high, flowers rose-colored; useful for edgings, etc. Pkt. 10c.
SMILAX. Perennial climbing vine, 6 to 8 feet, thriving best in a partially shaded place. Largely grown for decoration. It is also soaked in hot water for a few hours before sowing. Pkt., 10c.

STATICE LATIFOLIA. "Sea Lavender." Perennial, 1½ feet, producing panicles of small lavender flowers, which can be cut and dried and used for bouquets. Sow the seed late in spring or early in the fall, in seed boxes, and transplant. Pkt., 10c; oz., $1.50.

maeropyrhia. Large, deep blue. Pkt., 10c; oz., 60c. ecrulata. New, pale blue, extra fine. Pkt., 10c; oz., $2.00.

Bondellii. Annual, yellow. Pkt., 10c; oz., 60c.

Perezi. Deep blue. Pkt., 10c; oz., $2.00.

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

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

Niece Giant. See Flower Seed Specialties, page 9.

Biolestre. See Flower Seed Specialties, page 9.

SUNFLOWER. See HELIANTHUS.

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

Newport Pink. Bright pink. Pkt., 15c.
Single, all colors mixed. Pkt., 10c.
Double, all colors mixed. Pkt., 15c.

TACSONIA MACULATA. "Scarlet Passion Vine." A magnificent perennial climber, producing an abundance of large scarlet blossoms. Sow the seed in pans or seed pans and transplant. Pkt., 25c.

TATEGES SIGNATA PUMILA. A miniature Marigold, flowering compact little plants 6 to 8 inches high, and completely covered with flowers, which are bright yellow with brown stripe down the center of each petal. Annual. Clear yellow. Pkt., 15c; ½ oz., 75c. Mixed colors. Pkt., 15c; ½ oz., 75c.

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

Single mixed. Pkt., 15c.
Double mixed. Pkt., 15c.
Winter Flowering. See page 8.

VERBENA ERINOIDEUS. "Moss Verbena." Perennial of trailing habit with silver foliage and great quantities of purple flowers; especially useful for planting in parkings and requires very little water. Pkt., 10c.

VERBENA HYBRIDA GIGANTEA. See page 9.

VISCARIA. Free flowering annual growing about 1 foot high. Very effective for planting in masses making a great display for many months. The flowers come in various shades of pink, rose, carmine, blue and white.

cardinalis. Bright carmine. Pkt., 10c.
euculta pterules. Blue. Pkt., 10c.
euculta mixed. Pkt., 10c.

VIOLA ODORATA. "Sweet Violet." A favorite fragrant flower, perennial, 4 inches. Succeeding best in a rather shady situation. Sow the seed in winter or early spring, in seed boxes of good loam mixed with some leaf-mould, covering the seed lightly, or they may be sown in a well-prepared bed in a shady situation. Violet seed is slow to germinate.

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

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

Admiration. Deep purple. Pkt., 15c; ½ oz., 75c.
Papilio. See Flower Seed Specialties, page 9.


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

Double, all colors mixed. Height 1½ to 2 feet. Pkt., 10c.
papilla. Dwarf, very desirable for bedding. Scarlet, Golden Yellow, Salmon Rose. Each, per Pkt., 15c. Liliput. Dwarf, very small, perfectly double flowers; milk can be substituted. Pkt., 10c.

Payne's Giant Double. See Flower Seed Specialties, page 10.

New Giant Double Quilled, Victory. See Flower Seed Novelties, page 10.

New Dahlia Flowered Zinnia. See page 10.

New Giant Picotee Zinnia. See page 10.
Payne's Sweet Peas

Can be sown at any time from October to March; early planting will produce the best results. They require an open situation, good rich soil and plenty of water. Sow in drills covering the seed about 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.

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.

**Barbara.** Salmon pink. Pkt., 15c; oz., 50c.
**Crimson King.** Rich deep crimson. Pkt., 15c; oz., 40c.
**Edna May Improved.** Pure white. Pkt., 15c; oz., 50c.
**Elfrida Pearson.** Shell pink. Pkt., 15c; oz., 10c.
**Fie. Cross.** Brilliant orange cerise. Pkt., 15c; oz., 50c.
**Hawtman Pink.** Bright rose pink, shaded salmon. Pkt., 15c; oz., 50c.
**Hercules.** Rosy pink, immense flower. Pkt., 15c; oz., 40c.
**Illuminator.** Brilliant orange scarlet. Pkt., 15c; oz., 50c.
**Margaret Atlee.** Rich pink suffused with salmon. Pkt., 15c; oz., 40c.
**Matchless.** Cream. Pkt., 15c; oz., 50c.
**Mrs. Tom Jones.** Bright delphinium blue. Pkt., 15c; oz., 50c.
**R. F. Felton.** The best lavender. Pkt., 15c; oz., 50c.
**Rosabelle.** Light rose pink, very large. Pkt., 15c; oz., 50c.
**Royal Purple.** Deep rich purple. Pkt., 15c; oz., 40c.
**Royal Scott.** Glowing orange scarlet. Pkt., 15c; oz., 50c.
**Tangerine Improved.** Glowing orange. Pkt., 15c; oz., 50c.
**The Cardinal.** Intense poppy scarlet. Pkt., 15c; oz., 50c.
**Warrior.** Deep rich maroon. Pkt., 15c; oz., 50c.
**Wedgewood.** Light blue, extra fine. Pkt., 15c; oz., 40c.

**Spencer Mixed.** Pkt., 15c, oz. 30c, 1/2-lb. $1.00.

**SPECIAL OFFER.** Six varieties Payne's Spencer Sweet Peas in separate packets for 75c.

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.

**All White.** Pure white, large flowers. Pkt., 25c; oz., $1.00.
**Amethyst.** Royal purple. Pkt., 25c; oz., $1.00.
**Avion.** 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.

**Fair Maid.** Blush pink and salmon. Pkt., 25c; oz., $1.00.
**Glitter.** Glowing scarlet cerise. Pkt., 25c; oz., $1.00.
**Grenadier.** Dazzling scarlet. Pkt., 25c; oz., $1.00.
**Harmony.** Clear lavender. Pkt., 25c; oz., $1.00.
**Hercules.** Rosy pink, very large. Pkt., 25c; oz., $1.00.
**Miss Louise Gude.** Brilliant pink. Pkt., 25c; oz., $1.00.
**Mrs. Kerr.** Salmon buff. Pkt., 25c; oz., $1.00.
**Quaker Maid.** Clear mauve. Pkt., 25c; oz., $1.00.
**Rose Charm.** Bright rose, large. Pkt., 25c; oz., $1.00.
**Rose Daisy.** Rose pink, suffused orange. 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 New Winter Flowering Sweet Peas in separate packets for $1.00.

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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 23 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 minds 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."


*Agoseris major. "Morning Radiance."* Annual, 3 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 present a brilliant display. Pkt., 15c; ¼ oz., $1.00.


*Antirrhinum cautellanum. "White Snapdragon."* Annual, 3 to 5 feet high. Small white flowers in spikes often 2 feet long. Pkt., 15c.

*Antirrhinum glandulosum. "Pink Snapdragon."* Perennial, 3 to 5 feet high, branching from a stout woody base. Flowers rose pink in long spikes. Pkt., 15c.


*Calandrinia menziesii. "Red Molds."* Annual, of spreading habit; flowers rose-red, opening in the sunlight. Pkt., 15c; ¼ oz., 50c.

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

*Cerinthe coryli. "Scarlet Thistle."* Biennial, 5 to 8 feet high. A showy plant with whitish green foliage and large crimson-scarlet flowers. Pkt., 15c; oz., $1.00.

*Clarkia concinna. "Beautiful Clarkia."* Annual, 8 inches to 2 feet high. Flowers rose-pink with crimson sepals. Prefers a shady spot. Pkt., 10c; oz., $1.00.

*Clarkia elegans. "Clarkia."* Annual, 3 to 6 feet. A slender growing plant; flowers purple with white and crimson stamens. Thrives best in shade. Pkt., 10c; oz., $1.00.

*Collinsia biocolor. "Innocence."* Annual, 1 to 2 feet high. Flowers white, lilac and rose-purple. Prefers a shady situation. Pkt., 10c; oz., 50c.

*Collinsia grandiflora. "Blue Collinsia."* Annual 6 to 10 inches high. Flowers deep violet blue. Prefers a shady situation. Pkt., 10c; oz., 50c.


*Delphinium cardinale. "Scarlet Larkspur."* Perennial, 1 to 3 feet high. Produces long spikes of bright scarlet flowers. Pkt., 10c.

*Delphinium 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.

*Dicentra chrysantha. "Golden Ear Drops."* Perennial, 2 to 5 feet high. Finely cut green foliage and rich yellow flowers. Pkt., 15c; ¼ oz., $1.00.


*Emmenanthe penduliflora. "Whispering Bells."* Annual, 1 to 2 feet high. Produces large quantities of bell-shaped, pendulous flowers, cream-colored or yellow. Pkt., 10c.

*Enealia californica. "Bush Sunflower."* Perennial shrub. To 5 feet high; blooms in the spring and early summer. Flowers bright yellow with dark centers. Pkt., 10c.


*Eschscholzia californica. "California Poppy."* Annual, 1 to 1½ feet high. The most noted of California Wild Flowers. Orange-yellow, with a beautiful glossy sheen. Pkt., 10c; oz., 25c; lb., $3.00.

*Esschertia douglasiana. "Meadow Fawn."* Annual, of low spreading habit; flowers cream-colored. Prefers a moist location. Pkt., 10c; oz., 50c.

*Fraseria parryi. Perennial, 1½ to 3½ feet high. Produces loose clusters of star-shaped flowers, brown yellow and green, mottled and blended. Pkt., 15c.

*Gilia abrotanifolia. Annual, 1½ to 2½ feet high. Large heads of very pale blue flowers. Pkt., 10c; oz., 60c; lb., $8.00.

*Gilia achillinefolia. "Blue Gilia."* Annual, 1 to 1½ feet high. Small blue flowers in dense heads on graceful, slender stems. Pkt., 10c; oz., 35c; lb., $4.00.


*Gilia capitata. "Large Blue Gilia."* Annual, 1½ to 2½ feet high. A large, beautiful plant, with finely cut foliage and light blue flowers. Blooms later than the preceding. Pkt., 10c; oz., 40c; lb., $5.00.

Gilia dianthoides. "Fringed Gilia," or "Ground Pink." Annual, 2 to 6 inches high. An exquisite little plant with minute leaves and phlox-like flowers, rose colored or lilac with yellowish throat. Pkt., 15c.

Gilia tricolor. "Birds' Eyes." Annual, 9 to 12 inches. Flowers pale lilac, yellow toward the center, with five purple spots. Pkt., 10c; oz., 40c; lb., $5.00.


Lupinus cyrtoides. "Canyon Lupine." Perennial, 4 to 6 feet high. Flowers in long racemes, deep pink or rose purple and very showy. Pkt., 15c, oz. $1.00.

Lupinus densiflorus. "White Lupine." Annual, 1 to 1 ½ feet high. A stout, branching plant with rich green foliage and white flowers in dense whorls. Pkt., 15c; oz., 75c.

Lupinus densiflorus. (Blue-flowered form.) A form of the preceding with blue flowers. Pkt., 15c; oz., 75c.


Lupinus menziesii. "Yellow Lupine." Annual, 1 to 2 feet high. Flowers rich yellow. Pkt., 15c; oz., 75c.

Lupinus nanus. "Dwarf Blue Lupine." Annual, 10 to 15 inches high. A very showy plant; flowers rich blue and white, fragrant. Pkt., 10c; oz., 50c; lb., $6.00.


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.
**THEODORE PAYNE**

**SEEDS, PLANTS, AND BULBS**

**CALIFORNIA WILD FLOWERS**


Platystemon californicus. "Cream Cups." Annual, 4 to 8 inches high. A charming little plant of spreading habit, with clear, azure blue flowers. Prefers shade or partial shade. Pkt., 10c; oz., 50c; lb., $1.00.

Nemophila maculata. "Spotted Nemophila." Annual, 4 to 8 inches. White with large deep purple blotch on each petal. Grows well in shady places. Pkt., 10c; oz., 50c; lb., $1.50.

Oenothera hookeri. "Yellow Evening Primrose." Biennial, 3 to 6 feet. Flowers large, light yellow. Pkt., 10c; oz., 60c.


Orthocarpus purpurascens. "Owl's Clover" or "Pink Palat Brush." Annual, 4 to 10 inches high. Rose, pink or purplish lilac shading to cream-color at center. Pkt., 10c.


Phacelia campanularia. "Bell-Flowered Phacelia." Annual, 1 to 1½ 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., 75c.

Phacelia parryi. "Parry's Phacelia." Annual, 1 to 1½ feet high. Flowers saucer-shaped, deep violet, generally with five yellow spots. Pkt., 10c; oz., 75c; lb., $8.00.


Phacelia whitlavia. "Wild Canterbury Bell." Annual, 1 to 1½ feet high. Large bell-shaped flowers hanging in open, airy clusters; color violet purple. Pkt., 10c; oz., 60c; lb., $2.00.


Romneya coulteri. "Matthia Poppy," Perennial, 6 to 10 feet high. Blossoms often 6 or 7 inches in diameter, pure glistening white with bright yellow centers. Pkt., 15c.


Silene laciniata. "Indian Pink." Perennial, 1 to 3 feet. Flowers bright scarlet. Pkt., 15c.


Trichochneus lanatum. "Romero" or "Woolly Blue-curla." Shrubby perennial 4 to 5 feet high. Flowers rich blue. Pkt., 15c; oz., $2.00.


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

California Wild Flower Seeds in Mixtures

**General Mixture**

We particularly recommend these mixtures for sowing on unused pieces of ground, parkings, vacant lots, etc. The No. 1 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 broadcast in the Fall about the time the rainy season commences.

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

Payne's Mixture. No. 1. General mixture of annual wild flower seeds. This mixture is made up of those kinds which will give a succession of flowers for a long period and will succeed under ordinary conditions. Pkt., 10c; oz., 50c; § 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; § lb., $1.75; lb., $6.00.

Payne's Mixture. No. 3. Mixture of annual wild flower seeds in orange, yellow and cream shades. Pkt., 10c oz., 50c; § lb., $2.00; lb., $7.00.

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

**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.

**Caution**

As a result of our twenty-three 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 garden 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.

**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

*Order as the Souvenir Collection*

**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 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; § lb., $1.20; lb., $4.00.

**Special Souvenir Mixture of California Wild Flower Seeds**

This mixture has been especially prepared from selected seed of Californias finest wild flowers, carefully and scientifically mixed to produce wonderful flowers over a long season. As one group ceases flowering, another group will take its place, commencing to flower in the early spring and continuing on into late summer. It is a result of twenty-three years of specializing in California Wild Flower Seeds and should not be confused or compared with the many mixtures that are 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. Enclose your card with remittance and the name to whom you wish it sent and it will be mailed direct in an attractive enclosure without added charge.

Mailed to any part of the world $1.00

*Order as the Souvenir Mixture*

**Wild Flower Booklet**

For a full list of California Wild Flower Seeds, and also for more complete descriptions of the foregoing species, send for our special illustrated booklet, "CALIFORNIA WILD FLOWERS: THEIR CULTURE AND CARE"

A treatise describing over a hundred beautiful species, with a few notes on their habits and characteristics. Price 15c, post-paid.

**California Wild Gardens**

We are glad to advise on the subject of making wild gardens, and are also equipped for carrying out the work. Owners of acreage for subdivision will find that a planting of wild flower seeds will stimulate interest in their holdings and provide a very substantial benefit in enabling a quicker and more favorable disposal. The cost is considerably less than a mediocre campaign of advertising and the result is less questionable. Estimates furnished and correspondence is invited.
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 of 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 14¢ per pound on foreign orders. Write for attractive prices on large quantities.

ARTICHoke

Alcachofa—Artichoke—Artichaut

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

LARGE GREEN GLOBE. The standard variety. Pkt. 10¢; oz. $1.20, ¼ lb. $4.00.

ASPArAGUS

Esparagao—Sparge—Asperge

Culture.—Soak the seed in warm water for 24 hours and sow in drills 14 inches apart; keep well watered and cultivated. The following winter transplant to rows 5 feet apart, placing the plants 18 inches apart in the row. The ground must be well manured and treined 2 feet deep or more and the plants should be set so that when established the crowns will be 8 inches under the surface.

GIANT ARGENTEUIL. A favorite variety in the Paris markets and now in great demand in this country. Of enormous size, tender and of delicious flavor. Pkt. 10¢; oz. 20¢; ¼ lb. 50¢; lb. $1.00.

PALMETTO. The standard market variety, bright green color. Pkt. 10¢; oz. 20¢; ¼ lb. 45¢; lb. $1.25.

BEANS

Frijoles—Bohne—Haricots Nains

DWARF OR BUSH

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

WAX OR YELLOW PODDED

GOLDEN WAX. Pods rather flattened, light yellow, brittle and with few strings. A standard sort and a good producer. Pkt. 10¢; ½ lb. 20¢; lb. 40¢.

PROLIFIC BLACK WAX. Pods bright yellow, nearly round; very early and productive. Pkt. 10¢; ½ lb. 20¢; lb. 40¢.

STRINGLESS OR REFUGEE WAX. Pods round, rich golden yellow, entirely stringless and of the best quality and a great favorite among market growers. Pkt. 10¢; ½ lb. 20¢; lb. 40¢.

VENTURA WONDER WAX. Pods often 9 inches long, straight, oval, entirely stringless, transparently white, and of finest flavor. Hardy and productive. Pkt. 10¢; ½ lb. 20¢; lb. 40¢.

GREEN PODDED

BURPEE'S STRINGLESS GREEN POD. Pods long, straight, entirely stringless, brittle and of good flavor; early. Pkt. 10¢; ½ lb. 20¢; lb. 40¢.

CANADIAN WONDER. Long, flat pods, very tender, prolific, and in flavor and appearance unsurpassed. Pkt. 10¢; ½ lb. 20¢; lb. 40¢.

EXTRA EARLY REFUGEE. A favorite for canning, of good quality early and prolific. Pkt. 10¢; ½ lb. 20¢; lb. 35¢.

LONG YELLOW SIX WEEKS. A favorite market variety. Pods green, long and tender; very early. Pkt. 10¢; ½ lb. 20¢; lb. 35¢.

POLE OR RUNNING BEANS

Frijole de Bejucos—Stangenbohne—Haricots a Rames.

Culture.—Plant in rich soil in hills 3 feet apart each way. Place an 8 ft. stake to each hill around which plant 6 or 6 beans and afterwards thin out to the 4 strongest plants. They are also grown in hills 4 feet apart, without stakes, allowing the vines to run.

ASPARAGUS OR YARD LONG. A curious variety. Produces pods 15 to 30 inches long; excellent for the home garden. Pkt. 10¢.

KENTUCKY WONDER OR OLD HOMESTEAD. The most productive and best pole bean for this climate. Pods hang in large clusters, long, brittle and of fine quality. Pkt. 10¢; ½ lb. 20¢; lb. 35¢.

WHITE SEEDED KENTUCKY WONDER. A variety of recent introduction possessing all the good qualities of the old variety of that name, but having white seed. Pkt. 10¢; ½ lb. 20¢; lb. 40¢.

KENTUCKY WONDER WAX. The best Pole Wax bean, having all the good qualities of the green variety of that name. Pkt. 10¢; ½ lb. 20¢; lb. 35¢.

LAZY WIFE. Pods 6 to 8 inches long, produced in clusters, entirely stringless and of a rich, buttery flavor; also a good white shell bean for winter use. Pkt. 10¢; ½ lb. 20¢; lb. 35¢.

HORTICULTURAL OR SPECKLED CRANBERRY. An old favorite sort. Pods light green streaked with red. Good as a snap bean or shell ed, green or dried. Pkt. 10¢; ½ lb. 20¢; lb. 35¢.

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.
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 excellent quality. Of the most valuable of the late introduction. Pkt. 10c; ½ lb. 20c; lb. 35c.

FORDHOOK BUSH LIMA. This is a variety of recent introduction, and is the most prolific lima bean ever grown. It usually grows from 26 to 34 inches high, and bears in clusters of 2 to 5 pods. The beans are round and thick, averaging 4 beans to the pod, of a mild but delicious flavor. Pkt. 10c; ½ lb. 20c; lb. 40c.

KING OF THE GARDEN—POLE LIMA. Produces pods 5 to 7 inches long, well filled with good-sized beans of rich flavor. It bears heavily and is one of the best for general use. Pkt. 10c; ½ lb. 20c; lb. 30c.

ENGLISH OR BROAD BEANS

Haba—Puffbohne—Feve de Marais

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

BROAD WINDSOR. An old favorite variety. Pkt. 10c; ½ lb. 20c; lb. 30c.

BEETS

Remolacha—Rothe Rucbe—Bitterrahe

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

CROSBY'S EGYPTIAN. A selection from the Extra Early Egyptian. Slightly more globe shaped than the parent. Flesh deep red and of the finest quality. Considered by many the best beet on the market. Pkt. 10c; oz. 15c; ½ lb. 40c; lb. $1.25.

DETROIT DARK RED. One of the very best for either market or home use. Tops very small; roots globe shaped, dark blood red, tender and sweet. Pkt. 10c; oz. 15c; ½ lb. 40c; lb. $1.25.

ECLIPSE. Extremely early, round, blood red, small tops. Pkt. 10c; oz. 15c; ½ lb. 35c; lb. $1.00.

EDMANS' EARLY BLOOD TERNIP. Of finest quality, of extra early. Pkt. 10c; oz. 15c; ½ lb. 25c; lb. $1.00.

EXTRA EARLY EGYPTIAN. A standard variety for general use. Pkt. 10c; oz. 15c; ½ lb. 35c; lb. $1.00.

LONG DARK BLOOD. Smooth, dark red, of good size and desirable for light soils. Pkt. 10c; oz. 15c; ½ lb. 35c; lb. $1.00.

SWISS CHARD OR SILVER. Grown for the leaves which are cooked like Spinach; grows quickly and can be cut often. Pkt. 10c; oz. 15c; ½ 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, ⅓ inches in diameter and 12 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; ½ lb. 35c; lb. $1.00.

MONSTROUS BUSH LIMA BEAN

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 grown.

Cultural Directions

Plant 6 x 6 ft. about the 1st of April, leaving one plant to the hill. After they come into bearing, they will continue until frost cuts down the tender growth, when they should be pruned similarly to grape vines. Shortly after, new growth will appear which, by early summer, will be producing another crop. In July the vines will become mildewed. They should be pruned as before and by October the 3rd crop will be ready to pick. Pkt. 10c; ½ lb. 35c; lb. 60c.

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.

BEETS

Remolacha—Rothe Rucbe—Bitterrahe

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

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ECLIPSE. Extremely early, round, blood red, small tops. Pkt. 10c; oz. 15c; ½ lb. 35c; lb. $1.00.

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SWISS CHARD, LUCULLUS. A superior variety with large, crumpled leaves, very tender and of fine flavor. The stalks are very heavy, ⅓ inches in diameter and 12 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; ½ lb. 35c; lb. $1.00.

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.

STOCK BEETS OR MANGEL-WURZEL

Culture.—Sow in drills 2½ to 3 feet apart and thin out to 15 inches in the rows. Six pounds per acre.

GOLDEN TANKARD. The favorite variety among dairymen and the best for heavy soil. Pkt. 10c; lb. 60c.

IMPROVED MAMMOTH LONG RED. Yields immense roots and succeeds well on light soil. Pkt. 10c; lb. 60c.

SUGAR BEETS

Culture.—Sow in drills 18 to 24 inches apart and thin out to 1 foot in the rows. Fifteen pounds per acre.

KLEIN WANZLEBENER. The kind generally grown here for sugar; also used for stock feeding. Pkt. 10c; lb. 60c.

GIANT HALF SUGAR ROSE. A cross between sugar beet and mangel. Produces very large roots of the richest quality; especially valuable for stock. Pkt. 10c; lb. 60c.

BRUSSELS SPROUTS

Berza de Bruxelles—Rosenkohle—Chou de Bruxelles.

Culture.—Sow in spring or summer in seed beds, transplant and cultivate like cabbage. One ounce will sow a bed of 60 square feet and produce 2000 plants.

DWARF IMPROVED. The standard sort. Pkt. 10c; oz. 40c; ½ lb. $1.35; lb. $4.00.
CABBAGE

**Repollo—Kopfkohl—Chou Pomme**

**Culture.**—Sow in seed beds at intervals for success- 
sion. 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 1/2 feet apart and 1 1/2 feet in the rows for the 
early sorts, and 3 feet apart each way for the late 
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, draw-
ing the soil slightly up around the stems. One ounce 
will sow a bed of 40 square feet and produce 2000 
plants.

**Premium Flat Dutch Cabbage**

**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; 3/4 
lb. $1.35; lb. $4.90.

**DRUMHEAD SAVOY.** A favorite variety of Curled 
Cabbage. Pkt. 10c; oz. 40c; 1/4 lb. $1.35; lb. $4.90.

**EARLY WINNIPEGSTADT.** The favorite market va-
riety, both for shipping and local sale. Heads cone 
shaped, solid, of good size and for quality unsurpassed. 
Pkt. 10c; oz. 35c; 1/4 lb. $1.20; lb. $2.40.

**LARGE LATE DRUMHEAD.** A well known late 
sort producing immense compact heads. Pkt. 10c, oz. 
35c, 1/4 lb. $1.26, lb. $3.50.

**PREMIUM FLAT DUTCH.** A favorite variety for 
winter, large and of excellent quality. Every stock 
produces a head. Pkt. 10c; oz. 35c; 1/4 lb. $1.20; lb. 
$3.50.

**RED DRUMHEAD.** For pickling: large, deep red 
color and fine flavor. Pkt. 10c; oz. 35c; 1/4 lb. $1.20; lb.
$3.50.

**CARROT**

**Zanahoria—Hohehre—Carotte**

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

**DANVER'S HALF LONG.** A standard variety. Roots 
about 6 inches long, rich orange color, very symmet-
rical and handsome. Pkt. 10c; oz. 20c; 1/4 lb. 45c; lb. $1.25.

**EARLY FRENCH FORCING HORN.** The smallest 
and earliest variety grown; much used for forcing 
Roots nearly round. Pkt. 10c; oz. 20c; 1/4 lb. 60c; lb. $1.50.

**IMPROVED LONG ORANGE.** Very long, handsome 
roots, of good quality. Valuable for the table and also 
for stock feeding. Pkt. 10c; oz. 20c; 1/4 lb. 45c; lb. $1.25.

**OXHEART OR GUERANDE.** The favorite table sort, 
often called "French Carrots." Roots about 6 inches 
long and 4 or 5 in diameter at the top, stump rooted 
easily pulled and best for heavy soils. Pkt. 10c; oz. 
20c; 1/4 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; 1/4 oz., 65c; oz., $2.00; 1/2 lb., $6.65; 
$10.00.

**California Second Early Giant.** Larger than the preceding, for main crop. Solid heads and well protected by foliage. Pkt., 10c; 1/4 oz.; 65c; oz. $2.00; 1/2 lb., $6.65; 
$10.00.

**California Late Giant.** Very large, for late market use. Pkt., 10; 1/4 oz., 65c; 
oz., $2.00; 1/2 lb., $6.65; lb., $20.00.

**CAULIFLOWER**

**Califlor—Blumenkohl—Choufleur**

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

**DRY WEATHER.** An early variety producing large, 
solid heads, pure white and of the best quality. This 
variety is particularly adapted to California and the 
Southwest. Pkt. 25c; 1/4 oz., $1.00; oz. $3.50; 1/2 lb.
$10.00; lb. $35.00.

**Early Dwarf Erfurt Cauliflower**

**EARLY DWARF EFURT.** Of dwarf, compact habit, 
early, a sure header. Pkt. 25c, 1/4 oz. $1.00, oz. $3.50, 
1/4 lb. $10.00, lb. $35.00.

**HENDERSON'S EARLY SNOWBALL.** The most pop-
ular variety, very early and reliable header. Pkt. 25c, 
1/4 oz. $1.00, oz. $3.50, 1/4 lb. $10.00, lb. $35.00.

**LARGE ALGIERS.** A favorite late variety, very 
large heads. Pkt. 15c; oz. $1.50; 1/4 lb. $5.00.

**VEITCH'S AUTUMN GIANT.** A large, late variety 
which thrives well in this section. The heads are solid, 
compact and well protected by the foliage. Pkt. 10c 
$1.35, 1/4 lb. $4.00.
**CELERY**

_Apium—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 when large enough transplant in well manured furrows, 4 feet apart, and about 8 inches deep. Place the plants 8 inches apart in the rows, and as the plants grow gradually fill up the furrows with earth to bleach the stalks.

**GOLDEN SELF-BLANCHING.** (French-grown seed.) This seed is imported from France, from a most reliable grower, and is the best strain offered. A favorite market variety; blanches perfectly, is tender, entirely free from strings and has a rich, nutty flavor. Pkt. 15c; oz. $2.00; ½ lb. $6.00.

**GOLDEN SELF-BLANCHING.** (California-grown seed.) Pkt. 10c, oz. 80c, ¼ lb. $2.50, lb. $5.00.

**WHITE PLUM.** A well known sort, early, and of rich flavor. Blanches with very little earth in it; one of the best for fall and early winter use. Pkt. 10c, oz. 40c; ½ lb. $1.25; lb. $4.00.

**CELERIAC OR TURNIP-ROOTED CELERY.** Forms turnip-shaped roots, having a celery-like flavor, and is used for soups and salads; also boiled like parsnips or turnips. Pkt. 10c, oz. 5c, ¼ lb. $1.20, lb. $5.50.

**CHAYOTE**

_Perifolia—Kerbel—Cerfeuil_

_Culture._—A rapid growing perennial vine, valuable for covering fences, sheds, etc., growing thirty feet or more in one season. It produces large quantities of fruit, which are cooked like summer squash, or fried like eggplant. Each fruit contains one seed, which sprouts right out of the fruit, and the vine is propagated by planting the whole fruit in the ground. Supplied from December to March. Sprouted, each, 35c.

**CHERVIL**

_Achioria—Clercier—Clorier_

_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. Muck used by the French as a salad.

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

**CHICORY**

_Achioria—Clorier—Cloricer_

_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. Muck used by the French as a salad.

**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. $1.25, lb. $4.00.

**CRESS OR PEPPER GRASS**

_Bororo—Manteiner-Kresse—Cresson_

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

**EXTRA CURLED.** Leaves curled, crisp and pungent. Pkt. 10c; oz. 30c; ¼ lb. 50c; lb. $1.50.

**WATER CRESS**

_Bororo—Brunnenkresse—Cresson de fontaine_

_Culture._—Sow the seed by the side of running water or in a damp place. Pkt. 10c, oz. 90c, ¼ lb. $2.00.

**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, rich, mellow soil, and sow in hills 4 feet apart each way, with 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.

**BOSTON PICKLING.** A favorite for pickling, also good for slicing. Dark green, straight and well formed. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. $2.00.

**DAVIS PERFECT.** This splendid variety, introduced a few years ago, has now become very popular. The fruits are very symmetrical, 3 to 4 inches in length, dark glossy green, tender and of exceptionally fine flavor. Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. $2.50.

**IMPROVED LONG GREEN.** A standard sort. 12 to 16 inches long; dark green, firm and crisp. Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. $2.50.

**IMPROVED WHITE SPINE.** A vigorous grower, early and productive. Fruit straight, light green with a few white spines; one of the best for table use. Pkt. 10c; oz. 20c; ¼ lb. 85c; lb. $2.00.

**KLONDYKE.** One of the best for market. The fruits grow very uniform, usually measuring about 7 inches long and 2 inches in diameter; of a rich green color, excellent for slicing. Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. $2.50.

**JAPANESE CLIMBING.** One hill will cover a trellis 10 feet square. The fruits are dark green, excellent for table use or pickling. Pkt. 10c; oz. 25c; ¼ lb. 85c.

**ROLLISON'S TELEGRAPH.** The popular English variety for forcing. Fruits often 2 feet or more in length, firm and crisp. Pkt. 25c.

**LEMON CUCUMBER.** Quite distinct from other cucumbers, and in shape much resembling a lemon. It is ready to eat when it begins to turn yellow, and has a fine flavor. It is a good shipper, and also one of the best for the home garden. Pkt. 10c, oz. 20c, ¼ lb. $1.00; lb. $3.00.

**WEST INDIA GHERKIN.** A very small fruited variety used for pickling. Pkt. 10c, oz. 30c, ¼ lb. $1.00; lb. $4.00.
OREGON EVERGREEN. This is without doubt the best sweet corn ever grown, and is a great favorite among market growers in this section. It is very productive, bearing long, well-filled ears, and is of a particularly fine flavor. Many varieties of sweet corn do not thrive as well in California as in the East, and it has sometimes been said that good sweet corn is not to be had here. This variety, however, seems particularly adapted to our local conditions, and produces ears of the finest quality. Pkt. 10c; ½ lb. 20c; lb. 35c.

STOWELL’S EVERGREEN. The standard late variety for home and market use. Grows tall and remains green longer than any other sort. The ears are large and grains exceedingly deep and sweet. Pkt. 10c; ½ lb. 20c; lb. 35c.

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

BROAD LEAVED BATAVIAN. (Scarole.) Leaves light 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. 25c; ½ lb. 50c; lb. $2.50.

FRENCH MOSS CURLED. (Chicoree Frisée.) Leaves deeply cut and curled, giving it a moss-like appearance. Pkt. 10c; oz. 25c; ½ lb. 50c; lb. $2.50.

CORN SALAD
Mache o Valerianella—Lammer Salat—Máche
Culture. Commonly called Lamb’s Lettuce. Can be sown nearly all the year round in California. Sow in shallow drills 1 foot apart.

LARGE ROUND LEAVED. Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.00.

DANDELION
Amuréon—Kuhblume—Pissenlit
Culture. May be grown any time, in drills 12 inches apart, covering the seed very lightly. Much esteemed as a salad. LARGE LEAVED. Pkt. 10c; oz. $1.50
### KALE OR BORECOLE
**Col—Blatterkohl—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.

**TALL GREEN CURLED SCOTCH.** 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
Colinabo—Kohlrabi—Chou rave

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

**EARLY WHITE VIENNA.** Greenish white outside, flesh white and tender. Pkt. 10c; oz. 20c; ¼ lb. $1.00; lb. $3.00.

**EARLY PURPLE VIENNA.** Similar to the above, but of purple color. Pkt. 10c; oz. 20c; ¼ lb. $1.10; lb. $3.00.

### LEEK
**Puerro—Lauche—Polreau**

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

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

### LETTUCE
**Lecchino—Salat—Laitue**

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

**BIG BOSTON.** One of the best for California; succeeds well under great variations of temperature. Heads large, solid, crisp and tender. Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. $2.50.

**EARLY CURLED SIMPSON.** Large, curly leaves, forms large, loose heads; a favorite early sort. Pkt. 10c; oz. 25c; ¼ lb. 90c; lb. $1.50.

**ICEBERG.** A popular summer variety; heads well, even in the hottest weather; large, crisp and remarkably solid. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. $2.00.

### IMPROVED HANSON.** Large, solid heads; leaves bright green on the outside, white within; crisp and tender. A favorite market sort. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. $2.00.

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

This lettuce is largely grown by market gardeners, and is the best selling lettuce in the Los Angeles market, while large quantities are shipped to other points as far north as Portland and east to Salt Lake City and Denver. It forms a very large, perfectly solid head. The outer leaves are green, but after stripping these off there remains a large, white, solid head, which is very crisp and tender. Pkt. 10c; oz. 30c; ¼ lb. $1.00; lb. $3.00.

### PARIS WHITE COS. (Romaine.) Long, smooth leaves, remarkably crisp and tender. The outer leaves should be drawn together and tied at the tips about 10 inches from the cutting, in order to blanch the inside leaves. Pkt. 10c; oz. 20c; ¼ lb. 65c; lb. $2.00.

### PRIZEHEAD.** Forms large, loose heads, remaining crisp and tender a long time; leaves slightly tinged with red. Pkt. 10c; oz. 20c; ¼ lb. 90c; lb. $1.50.

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**Honey Dew Mask Melon**

**MUSKMELON**

**Melon Alimizelo—Cantalupen—Muscade**

**Culture.** May be planted from March to end of June. Select light, warm soil and plant in hills 6 feet apart each way, from 4 to 8 seeds in a hill and 1 inch deep. When large enough, thin out to the three strongest plants. One ounce will sow about 100 hills.

**BURRELL'S GEM.** Oval, of medium size and deeply netted. The flesh is salmon-colored and of the finest flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. $1.50.

**EXTRA EARLY HACKENSACK.** Large, nearly round, deeply ribbed, and very thickly netted. Flesh green, solid, and of a delicious flavor. A popular sort; nearly two weeks earlier than the Large Hackensack. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. $1.50.

**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. 50c; lb. $1.50.

**HONEY DOW.** This new melon is the latest and best development in melon culture. Outer skin smooth, hair, and creamy white, flesh light green, very solid and of rich honey flavor. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. $2.50.

**PERSIAN.** New yellow fleshed variety, sweet and distinctly flavored. Heavily netted but smooth, rind. Good keeper and a money maker. Pkt. 10c; oz. 50c; ¼ lb. $1.65; lb. $5.00.

**ROCKY FORD.** Slightly oval in shape, finely netted, very regular and even in size, weighing about 1½ pounds. Flesh light green in color and of delicious flavor. A popular early sort, named after Rocky Ford, Colorado, but now grown in immense quantities in the Coachella and Thermal districts, producing the ex-heat melons in the United States and shipped east by the carload. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. $3.00.
CASABAS

CASABA, OR WINTER PINEAPPLE. Large, oval, skin corrugated; grayish green color; flesh firm, light green and of a delicious pineapple flavor. A very late variety; the melons do not usually ripen on the vines, but should be picked and stored in a cool, dry place, and if carefully handled may be kept till late in the winter. Pkt. 10c, oz. 25c, ½ lb. 55c, lb. $2.50.

MUSTARD

Mustard—Senf—Moutarde

Culture. Sow in drills 1 foot apart at frequent intervals for succession. Used for greens and cooked like Spinach, sometimes cut when about 2 inches high and used as a salad, generally with Cress.

BROWN OR BLACK. The common Mustard, much used for greens. The seeds are also used in pickles. Pkt. 10c; oz. 20c; ½ lb. 55c; lb. 75c.

SOUTHERN CURLY. Very large leaves, often 15 inches in length; the best sort for greens. Pkt. 10c; oz. 20c; ½ lb. 40c; lb. $1.25.

WHITE LONDON. The best variety for salads, also used for greens. Pkt. 10c; oz. 20c; ½ lb. 25c; lb 75c.

OKRA

Quimombo—Echium—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 50 feet of row.

EARLY DWARF. Of dwarf, stocky growth, very prolific, producing pods 10 days earlier than the tall varieties. Pods long and smooth. Pkt. 10c; oz. 20c; ½ lb. 45c; lb. $1.25.

LONG GREEN. Plants of tall growth, pods long and slightly ribbed. Pkt. 10c, oz. 20c, ½ lb. 45c, lb. $1.25.

WHITE VELVET. Of tall growth; long, round, smooth pods with a whitish, velvety covering. The favorite variety for pickling. Pkt. 10c; oz. 20c; ½ lb. 45c; lb. $1.25.
ONION
Cebolla—Zwiebel—Оignon

Culture. Onions require a rich, moist soil; rich, low land is best. It may be either sandy loam or black soil, but should have plenty of natural moisture. Land which has been planted to vegetables—peas or beans preferred—for a few seasons is the best land for onions. They may also be grown on higher lands with irrigation, providing the soil is rich. The land must not be allowed to get dry, as this will check the growth, and either force the plant to run to seed or produce "stiff necks." For the home garden the seed may be planted the year round in California, but for main crop from November to the end of January is best. In naturally moist soils the seed may be sown in drills 15 inches apart, covering the seed very lightly. When large enough, the plants may be thinned out to 5 or 6 inches apart in the rows. For irrigated lands sow the seed thickly in beds or drills and keep well watered; when the plants are large enough—about half the size of a lead pencil—transplant to rows 15 inches apart and 6 inches in the rows. Trim off about a third of the tops and half the roots before planting, as this helps the plants to bulb out. When sown in drills, and thinned out, it requires from 4 to 5 pounds of seed to the acre, or 1 ounce to 100 feet of row. When sown in beds and transplanted, from 1 to 1 1/2 pounds will raise enough plants for an acre. For the home garden, Onion sets are often planted. These will produce large onions much earlier than the seed. For "Green" or "Spring" Onions, sow the seed of the White Queen or some other white variety.

AUSTRALIAN BROWN. A favorite market sort of good size and shape; very hardy, early, productive, and the best keeper. The skin is thick and of a rich brown color; fresh solid, and of mild flavor. Pkt. 10¢; oz. 25¢; 1/4 lb. 85¢; lb. $2.50.

CRYSTAL WAX. A pure white variety of the Bermuda type, very flat and extremely early. On account of its handsome appearance, earliness and mild flavor it is in great demand by market growers. Pkt. 10¢; oz. 50¢; 1/4 lb. $3.00; lb. $9.00.

LARGE RED WETHERSFIELD. Large, slightly flattened, deep purplish red, firm flesh and thick. This is the best known of the red varieties and largely planted. It is a heavy cropper and an excellent keeper. Pkt. 10¢; oz. 30¢; 1/4 lb. $1.00; lb. $3.00.

Riverside Sweet Spanish Onion

The unusual mildness and excellent flavor has made this variety remarkably popular. A good keeper; large, thin straw-colored skin and so mild that it can be eaten like an apple. This onion commands the highest price in the market and should be planted about the first of February, and will mature in August. It is the mildest Spanish onion known and will be profitable to the grower who plants this variety. Pkt., 10¢; oz., 90¢; 1/4 lb., $3.00; lb., $9.00.

MAMMOTH SILVER KING. A large, early white, flat variety of mild flavor. Valuable for the home garden and nearby market, but is not a good shipping or keeping sort. Pkt. 10¢; oz. 50¢; 1/4 lb. $1.65; lb. $5.00.

PRIZETAKER. A globe-shaped onion, with light yellow skin and white flesh of a mild flavor. It is popular as a market variety, a fairly good keeper, and an immense yielder; onions often weigh two or three pounds, and have been known to reach as high as four pounds. Pkt. 10¢; oz. 30¢; 1/4 lb. $1.00; lb. $3.00.

SOUTHWORT WHITE GLOBE. Pure white, mild flavored, a good keeper; very productive and a fair market quality for bunch onions. Pkt. 10¢; oz. 50¢; 1/4 lb. $1.65; lb. $5.00.

WHITE PORTUGAL, OR SILVER SKIN. A very popular variety, both for market and home use. It is of attractive appearance, flattened, but quite thick; skin silvery white and very thin; flesh firm, snowy white and mild. A good keeper and heavy yielder; onions of large size. Also valuable for use. Pkt. 10¢; oz. 50¢; 1/4 lb. $1.65; lb. $5.00.

YELLOW GLOBE DANVERS. An old standard market variety. Large, globe-shaped; skin brownish-yellow. Flesh white and firm; a good keeper and remarkably good keeper. Pkt. 10¢; oz. 30¢; 1/4 lb. $1.00; lb. $3.00.

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

PEAS
Chicharos o Guisantes—Erbsen—Pois

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 land and eschewing manure is essential. Sow in rows 2 feet apart, and 2 inches deep. One pound will sows 300 to 400 feet. For second crop sow in September, in rows 18 inches apart. Sow seeds thickly; thin after growth has started. Keep plants well watered. When peas are 2 1/2 inches high, cut them off with a snip or shears. When nearly ripe, stop cutting or they will remain on the plant too long and become hard. For home garden, plant one pound on 60 feet of row.

FIRST EARLY VARIETIES
AMERICAN WONDER. Extra early, dwarf, compact grower, wrinkled peas of the finest quality. Height 1 foot. Pkt. 10¢; 1/2 lb. 20¢; 1 lb. 40¢.

PREMIUM GEM. A popular early dwarf wrinkled variety. It grows about 18 inches high and has a heavy crop of good-sized pods filled with 2 to 8 peas of the finest quality. Pkt. 10¢; 1/2 lb. 20¢; 1 lb. 40¢.

GRADUS, OR PROSPERITY. The finest early pea yet introduced. Almost as early as American Wonder, but shows about 30% higher yields of pickling peas and also provides for the early market. Pkt. 10¢; 1/2 lb. 20¢; 1 lb. 40¢.

SECOND EARLY VARIETIES
ADMIRAL OF THE NATION. A new sort introduced on our local market about three years ago. It is a good early sweet pea, has thick green foliage, and begins abundant production of small pods. Pkt. 10¢; 1/2 lb. 20¢; 1 lb. 40¢.

SOUTH SHIRE HERB. The popular market variety in this locality. Grows about 2 1/2 feet high, is of fine quality and a good bearer. Pkt. 10¢; 1/2 lb. 20¢; 1 lb. 40¢.
LATE VARIETIES

ALDERMAN. Of recent introduction; grows about 6 feet high; pods dark green, always well filled with large peas of the finest quality. Pkt. 10c; ¼ lb. 20c; lb. 40c.

TELEPHONE. A late variety; grows 6 feet high, produces very long pods, well filled with 8 or 9 large peas of the finest quality. Pkt. 10c; ¼ lb. 20c; lb. 40c.

PEPPER

Plumeta-Pfeffer-Piment

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

ANAHEIM CHILLI. In great demand locally; similar to the Mexican chilli, but larger. Pkt. 10c, oz. 50c, ¼ lb. $1.50, lb. $5.00.

CHINESE GIANT. Of very large size, averaging 10 to 1½ inches in circumference. One of the best for stuffing; flesh thick, tender and mild. Pkt. 10c, oz. $1.50; ¼ lb. $5.00; lb. $12.00.

RED BELL OR BULL NOSE. Large, early and very productive. Flesh thick and mild, much used for stuffing. Pkt. 10c, oz. 50c, ¼ lb. $2.65, lb. $8.00.

LONG RED CAYENNE. Pods small, long and pointed, coral red when ripe. Very strong and pungent; largely used for seasoning pickles. Pkt. 10c, oz. 50c, ¼ lb. $2.65, lb. $8.00.

PIMENTO. One of the finest peppers of mild flavor that has yet been grown. It lends itself to a variety of uses, on account of its beauty, firmness and attractive shape. It makes an unusually pretty salad, being smooth and bright in color, and it can be either canned or stuffed most satisfactorily, as it is firm and fleshy. Pkt. 10c, oz. 50c, ¼ lb. $2.60, lb. $6.00.

RUBY KING. Large, bright glossy red, mild and sweet. Much used for stuffing and for slicing in salads. Pkt. 10c, oz. 50c, ¼ lb. $2.65, lb. $8.00.

POTATOES

Paintas—Kartoffeln—Pommes de Terre

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

EARLY ROSE, WHITE ROSE, TRIUMPH OR SIX WEEKS AND BURBANK. Prices on application.

PUMPKIN

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, redish orange, flesh thick and sweet; good keeper. Pkt. 10c, oz. 25c, ¼ lb. 50c, lb. $1.00.

CUSHAW. (Crock-necked.) Light cream color. A good keeper, flesh solid and sweet. Pkt. 10c, oz. 25c, ¼ lb. 50c, lb. $1.50.

MAMMOTH TOURS, OR JUMBO. (King of Mammoths.) Grows to an immense size, often weighing 160 pounds or more. Skin orange-salmon, flesh bright yellow, fine grained, tender and sweet. Valuable for pies, also for stock feeding. Pkt. 10c, oz. 25c, ¼ lb. 50c, lb. $1.50.

QUAKER PIE. Of medium size, slightly oval, skin rich creamy buff, flesh fine grained and of rich flavor. A good keeper. Pkt. 10c, oz. 25c, ¼ lb. 50c, lb. $1.50.

FIELD PUMPKIN

CALIFORNIA FIELD. The well-known Field Pumpkin is largely grown for stock. Varies in color, from very light yellow, orange, red to drab. Very large and a heavy bearer. Pkt 10c, oz. 25c, ¼ lb. 50c, 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. 25c, ¼ lb. 50c, lb. $1.25.

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.

RADISH

Rabane—Rettig—Radies

Culture. May be sown the year round in California. They can be grown in any good garden soil, but thrive best in a light loam enriched with plenty of good rotted manure. Sow in drills 1 inch apart. One ounce of seed will sow 100 feet of drill.

CALIFORNIA MAMMOTH WHITE. A large, pure white radish, often 9 to 10 inches long and 1½ to 2 inches in diameter. Fleshy, sweet, solid and crisp. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

CHARTIER. A long variety and very attractive. The color is a rosy scarlet, shading to white at the tip. It is larger than the Long Scarlet, and keeps hard and crisp for a long time. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

CRIMSON GIANT TURNIP. A new variety, more than twice the size of the Scarlet Turnip. It matures early, flesh white, crisp and solid. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

EARLY LONG SCARLET SHORT TOP. An old standard variety; grows to about 6 inches long; color bright carmine; flesh firm and crisp has very small top. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

FRENCH BREAKFAST. A popular early variety and one of the best for forcing. Grows about 2 inches long and stumpy rooted. The top part of the root is bright rose and the lower part white. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

MONARCH. A white variety; grows about 5 inches long, very brittle and of mild flavor. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

LONG BLACK SPANISH. A large winter radish, skin almost black; flesh white and solid. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

ROUND BLACK SPANISH. Similar to the preceding, except in shape. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

SCARLET TURNIP. A very popular early spring. Roots scarlet, turnip-shaped, crisp and of good flavor. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

SCARLET TURNIP—WHITE TIPPED. Bright rosy carmine, with lower part of root white; a very attractive variety. Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.

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.
New Zealand. Produces large leaves, of thick, fleshy texture. Pkt. 10c, oz. 25c, ½ lb. 75c, lb. $2.25.

Prickly or Winter. The hardest variety and the one generally grown for market. Large, smooth leaves shaped like an arrow point. Pkt. 10c, oz. 25c, ½ lb. 20c, lb. 60c.

Round or Summer. Large, thick, smooth leaves, rounded at ends. Pkt. 10c; oz. 15c; ½ lb. 25c; lb. 75c.

Virolay. Exceedingly tender and delicious flavor. Large smooth leaves. One of the best for commercial or home use. Pkt. 10c, ½ lb. 20, lb. 60c.

**SQUASH**

Calabacera—Kuerbis—Courge

Culture. As soon as the weather has become warm and settled, commence sowing for the early crop. The summer varieties mature much quicker than the winter varieties, and sowing for late crop may be continued up until the first of August. Sow in hills 4 to 6 feet apart, using 6 or 7 seeds to a hill, and afterwards thin out to the three strongest plants. One ounce of seed will sow about 40 hills, or 3 pounds to 1 acre. The winter varieties take longer to mature, and the later plantings should be completed by about the first of July. Sow in hills 8 to 16 feet apart, using 3 seeds to a hill. One ounce will sow about 20 hills, or 2 pounds to an acre.

**SUMMER VARIETIES**

**BANANA.** Grows from one to two feet long. Skin varies from bright yellow to olive green. Excellent quality, very sweet. Pkt. 10c, oz. 20c, ½ lb. 65c, lb. $2.00.

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

**ENGLISH VEGETABLE MARROW.** Large, oblong, pale green, grows from 12 to 18 inches long. Makes a large vine, and should be planted 7 or 8 feet apart. Pkt. 10c, oz. 20c, ½ lb. 60c, 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, ½ lb. 65c, lb. $2.50.

**SUMMER CROOK-NECK.** Long, with crooked neck; bright golden yellow, thickly warded; very rich flavor. Pkt. 10c, oz. 20c, ½ lb. 50c, lb. $1.50.

**WINTER VARIETIES**

**BOSTON MARROW.** Large, oval, bright orange with creamy netting. Flesh fine grained, orange colored and finest flavor. Pkt. 10c; oz. 20c, ½ lb. 45c, lb. $1.25.

**GOLDEN HUBBARD.** A very attractive variety of the Hubbard Squash. When matured the color is a deep orange-red, with rich orange-colored flesh, of the finest quality. Pkt. 10c, oz. 20c, ½ lb. 65c, lb. $2.00.

**HUBBARD.** The popular winter squash. Oblong and pointed, dark green, heavily warded. Flesh orange-colored: a splendid keeper. Pkt. 10c, oz. 20c, ½ lb. 50c, lb. $1.50.
**TOMATO**

**Glutomate—Liebesapfel—Tomate**

Cultivation. Seed can be sown from January to May. To sow early, the soil should be well prepared and in seed boxes or in drills, the soil being about 1 inch in depth. When the plants are about 2 inches high, they should be transplanted to shallow boxes, placing them about 1 inch apart each way. Protect from cold, and when well established gradually harden off; when all danger from frost is over, transplant to the open ground, placing them from 5 to 8 feet apart each way. Later sowings can be made in the open ground, in seed beds or drills, after danger from cold is past. In frostless localities where winter tomatoes are grown, the seed can be sown from the middle of August to the end of September. One ounce of seed should produce about 2000 plants.

Payne's "VICTORY" Tomato

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. 10c.; oz., 75c; 1/2 lb., $3.50; lb., $6.00.

**CHALK'S EARLY JEWEL.** One of the best early tomatoes for home use. Bright red, smooth and uniform size. An ideal salad tomato. Pkt. 10c.; oz., 40c; 1/2 lb., $1.25; lb., $4.00.

**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; 1/2 lb., $2.50; lb., $7.50.

**SAN JOSE CANNER.** A fine smooth tomato for main crop, largely used for canning by reason of its tremendous yield of large tomatoes of irregular size. Pkt. 10c.; oz., 75c; 1/2 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 eight; average size 2/3 inches in diameter. Pkt. 10c.; oz., 50c; 1/2 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; 1/2 lb., $1.75; lb., $5.00.

**TURNIP**

**Nabo—Ruebe—Navet**

Cultivation. Sow from October to May, in drills 15 inches apart, covering the seed lightly. When the plants are large enough, thin out to 6 or 8 inches apart in the rows. To grow good turnips it requires rich soil and plenty of moisture; this insures a quick, uninterrupted growth, and the turnips will be tender, and not woody as when slowly grown on poor soil. One ounce of seed will sow 100 feet of drill, or 2 pounds to one acre.

**EARLY SNOWBALL.** A pure white, globe-shaped variety of extra fine quality. One of the best for shipping. Pkt. 10c.; oz., 25c; 1/2 lb., 50c; lb., $1.25.

**GOLDEN BALL OR ORANGE JELLY.** Globe-shaped, yellow, flesh yellow, firm and sweet. Pkt. 10c.; oz., 20c; 1/2 lb., 40c; lb., $1.25.

**PURPLE-TOP STRAP-LEAF.** The standard variety for market or the home garden. Of medium size, flat white, purple above ground, fine-grained and sweet. Pkt. 10c.; oz., 25c; 1/2 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; 1/2 lb., 40c; lb., $1.25.

**IMPROVED PURPLE-TOP SWEDE OR RUTA BAJA.** Very hardy, large, firm flesh yellow and solid. Used for boiling, also for feeding stock. Pkt. 10c.; oz., 25c; 1/2 lb., 40c; lb., $1.25.

**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.**

**TOBACCO**

Tabaco—Tabak—Tabac

Cultivation. The seed can be sown in a frame or on a hot bed; or in well prepared beds in the open ground after danger from cold is past. Select fine soil and cover the seed very lightly, about one-eighth of an inch, and press down firmly with the back of a spade; do not water it with a fine syr. When the plants are about 4 inches high, transplant to rows 5 feet apart and 4 feet apart in the row. Tobacco requires a rich, mellow soil; wood ashes are beneficial as a fertilizer. One ounce of seed will produce enough plants for one acre.

**CONNECTICUT SEED LEAF.** Well known, the hardiest variety. Pkt. 10c.; oz., 25c; lb., $1.00.

**HAWAII.** Cuban-grown (Valle de la Habana). The true Havana tobacco. Pkt. 10c.; oz., 60c; lb., $5.00.

**HERBS**

Per pkt. 10c.

Anise
Basil, Sweet
Borage
Caraway
Catnip

Carrot, Sweet
Cumin
Dill
Lavender
Sage
Thyme

Fennel, Sweet
Marjoram, Sweet
Rosemary
Savory, Summer
Savory, Winter

**Vegetable Plants and Roots**

We can supply plants or roots of Artichoke, Cabbage, Cauliflower, Chives, Eryngium, 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, HARRY PERUVIAN.** This is considered to be a superior variety to the one generally grown here. It withstands more drought and cold weather, and in addition to this yields a larger amount of foliage of a finer texture. Lb. 40c., 10 lbs. $3.50, postpaid. Larger quantities, price on application.

**ALPILERILLA OR PELAGIE** (Erodium moschatum). A native fodder plant, very nutritious and preferred by cattle, sheep and horses to any other of the natural pasture plants. Especially valuable for growing on stock ranges where the natural pasture has become worn out. Sow 20 lbs. to the acre. Lb., $1.00; 10 lbs., $5.00, postpaid; by express, 10 lbs., $7.50.

We have in stock a full line of Farm and Cover Crop Seeds. Write for information and prices.
Tree and Shrub Seeds

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

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

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

**ACACIA ARMATA.** "Kangaroo Thorn." 10 feet. A spreading shrub, with small yellow flowers, excellent for grouping and also for hedges. Pkt., 15c; oz., 75c; lb., $7.50.

**A. BAILEYANA.** 30 feet. A strikingly beautiful tree with glaucous pinnate foliage and covered late in winter with canary-yellow flowers which completely envelop the tree. Pkt., 15c; oz., 50c; lb., $5.00.

**A. CULTRIFORMIS.** "Knife-leaved Acacia." 8 feet. A pretty shrub, with triangular shaped leaves of a glaucous green color and yellow flowers in axillary racemes. Pkt., 15c; oz., 50c; lb., $5.00.

**A. CYANOPHYLLA.** "Blue-leaved Wattie." 25 feet. Leaves very large, often one foot long, glaucous green, branches drooping, flowers yellow. A beautiful tree and especially valuable for planting on the sea coast. Pkt., 15c; oz., 50c; lb., $5.00.

**A. CYCLOPS.** 15 feet. A rather thick growing shrub of spreading habit, bearing quantities of rich, yellow flowers. It thrives particularly well near the coast, and on account of its dense habit, bright green foliage and yellow flowers, it is extremely ornamental, especially for planting in groups. Pkt., 15c; oz., 50c; lb., $6.00.

**A. DEALBATA.** "Silver Wattle." 60 feet. A magnificent, rapid-growing tree with glaucous, finely cut foliage and covered late in winter with golden-yellow flowers. One of the best for street planting. Pkt., 15c; oz., 50c; lb., $5.00.

**A. DEWEHRENS.** "Japanese Wattle." 75 feet. A rapid-growing tree and one of the best for avenues. Finely cut, feathery, light green foliage. Flowers bright yellow. The wood is valuable for turners’ work and the bark is rich in tannin. Pkt., 15c; oz., 50c; lb., $5.00.

**A. EDAZA.** (A. procer.) 60 feet. A very ornamental, rapid-growing tree, with large, handsome, pinnate foliage, and bearing quantities of pale yellow flowers. Pkt., 15c; oz., $1.00.

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

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

**A. LATIFOLIA.** See A. longifolia.

**A. LINIFOLIA.** "Flax-leaved." 12 feet. A tall-growing shrub, with long, narrow leaves; yellow flowers in axillary racemes; very pretty for planting in groups. Pkt., 15c; oz., 50c; lb., $5.00.

**A. LONGIFOLIA.** "Sydney Golden Wattie." 30 feet. Generally known in California, though wrongly, under the name of A. latifolia. Of slender habit. If properly trimmed it makes a fine street tree; also does well near the sea. Leaves long, glossy green. Very free flowering. Catskins of light yellow flowers at the axil of every leaf. Pkt., 15c; oz., 50c; lb., $5.00.

**A. LOPHANTHA.** (Albizia lophantha.) 30 feet. Of rapid growth and useful for temporary shelter; valuable for planting on sand dunes along the sea coast. Pkt., 10c; oz., 20c; lb., $2.00.

**A. MELANOXYLON.** "Blackwood." 75 feet. Of compact, pyramidal growth. The favorite tree for street planting in Los Angeles. The wood takes a beautiful polish and is considered almost equal to walnut. It is used in Australia for pianos, billiard tables, etc. Pkt., 15c; oz., 50c; lb., $5.00.

**A. MOLLISIMA.** "Black Wattle." 50 feet. A rapid growing tree of erect and upright growth, with dark green, feathery foliage; flowers yellow; blooms in late spring. Pkt., 15c; oz., 50c; lb., $6.00.

**A. PENDULA.** "Weeping Myall." A rare and beautiful tree, with weeping branches, narrow, silvery gray foliage and golden yellow flowers. Pkt., 25c; oz., $1.50.

**A. PODALYRIAESPULI.** A very rare and beautiful shrub, somewhat similar to A. cultriformis, but with larger leaves and larger flowers, which are produced in immense quantities early in winter and for several weeks. It is especially recommended for cutting. Flowers rich canary yellow. Pkt., 25c; oz., $1.50.

**A. PRAVISIMA.** 30 feet. Large shrub of upright growth, but with very long, drooping, drooping foliage similar to A. cultriformis but smaller and green. Flowers soft yellow, appearing in February and March. Pkt., 10c; oz., $1.00.

**A. PROMINENS.** 40 feet. One of the most beautiful of Acacias; of somewhat pendulous habit with small narrow foliage and great profusion of golden yellow flowers. Pkt., 25c; oz., $1.50.
THEODORE

A. PRUNOSA. 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 purplish; flowers pale yellow; Pkt., 15c; oz., 75c; lb., $7.50.

A. PYCANTHIA. "Golden Wattle." 30 feet. Of quick growth; leaves long and very broad; flowers in pendant clusters, yellow and fragrant. Pkt., 15c; oz., 50c; lb., $5.00.

A. SALIGNA. 25 feet. Of drooping habit; leaves long, flowers rich yellow. Pkt., 15c; oz., 50c; lb., $5.00.

A. VERTICILLATA. 12 feet. A shrub of rather spreading habit, with small linear leaves and white flowers. Pkt., 15c; oz., 50c; lb., $5.00.

ACER MACROPHYLLUM. "California Maple." A deciduous tree of great beauty, attaining a height of 100 feet. Leaves large, deep, five-lobed, rich green, pale beneath. A native tree found growing along the sides of creeks in many of our canyons, but thriving under cultivation in the valleys. Pkt., 10c; oz., 25c; lb., $2.50.

ALBIZIA. See Acacia.

AMELOPSIS VEITCHII. "Boston Ivy," "Japan Ivy." A handsome deciduous creeper much used for fencing, inclined to make woody twigs, 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.

ANGOPHORA LANCEOLATA. A tall spreading tree with clean, smooth bark, much resembling a eucalyptus, to which it closely resembles. It is valuable for ornamental purposes as a single specimen tree. Pkt., 15c; oz., $1.00.

ANONA CHERMOLIA. "Cherimoyer." Peru. A small evergreen tree broad across the top. The yellow flowers are produced in great abundance of a grayish-brown color, 3 to 5 inches in diameter, heart-shaped and of a delicious flavor. Pkt., 15c; oz., 50c; lb., $5.00.

ARHUUS MZNSHEI. "Madrona." 75 feet. A native tree on the coast range. The foliage is thick, bright green and leathery; bark smooth, brownish-red. Flowers fragrant, followed by red berries. Pkt., 15c; oz., 50c; lb., $5.00.

A. UNUEDO. "Strawberry Tree." South of Europe. 10 feet. Beautiful dark green foliage. In the fall the leaves are covered with both blossoms and fruit; the latter in appearance like strawberries. Pkt., 15c; oz., 50c; lb., $5.00.

ASH, ARIZONA. See Fraxinus.

BAUHINIA PURPUREA. 10 feet. A valuable shrub with dark-green, curiously lobed leaves, and large, showy flowers which are reddish-purple and white. Pkt., 15c; oz., $1.00.

BERBERIS AQUIFOLIUM. "Oregon Grape." 4 feet. A handsome shrub, with shining, purplish, prickly leaves, followed by yellow or nearly black berries. Pkt., 15c; oz., 50c.

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

B. JAPONICUM. 3 feet. Leaves about one foot long, bright green, produced in terminal clusters. In hot, dry climates it should be planted in a shady spot. Pkt., 15c; oz., 50c.

B. STENOPHYLLA. 4 feet. A very desirable shrub with long, slender branches and small leaves; the flowers are silvery on the underside. The flowers are golden yellow and profuse in profusion. Pkt., 25c.

BROOM. See Spartium.

CALLISTEMON RIGIDUS. "Bottle Brush." A beautiful shrub, with large red, brush-like flowers. Pkt., 15c; oz., 50c; lb., $1.50.

CALLITRIS ROBusta. "Cypress Pine." In Australia it grows to a fair-sized tree, sometimes exceeding 90 feet in height, but the specimens in Southern California are usually only small shrubs. The branchlets are short, crowded and erect, giving the foliage the appearance of growing in tufts. It is very ornamental for planting in gardens, having a particularly bright, clean appearance. Pkt., 25c; oz., $1.50.

CAMPHORA OFFICINALIS. "Camphor Tree." China and Japan. 40 feet. A very ornamental, symmetrygrowing tree, with bright green, glossy foliage, the young foliage being of a pleasing delicate rose color. Well adapted for plantings in the front of houses. The tree from which the camphor of commerce is extracted. Fresh seed from January to April. Pkt., 15c; oz., 50c; lb., $6.00.

CARPENTERIA CALIFORNICA. A rare native shrub, with handsome, glossy foliage, and bearing large, fragrant, pure white flowers with yellow stamens. Pkt., 15c; oz., $1.00.

CASSIA ARTEMISIOIDES. Central Australia. A pretty shrub, with finely cut silvery gray foliage and bright yellow, scented flowers. While not always bearing flowers, it will stand any amount of drought. Pkt., 15c; oz., $1.00.

C. FLORIBUNDA GRANDIFLORA. 10 feet. Free blooming shrub, of rather loose, spreading habit. Leaves and stems red, deep crimson, with bright yellow with brown anthers. Pkt., 15c; oz., $1.00.

C. TOMEMOSA. Mexico. A quick growing shrub, with bright yellow flowers, blooming all through the winter. Very effective for planting in groups. Pkt., 15c; oz., 50c; lb., $5.00.

CASUARINA EQUISIFOLIA. "Beefwood." Southeast Australia. 60 feet. A striking tree of rapid growth, with drooping branches, dark green, needle-like leaves. Pkt., 15c; oz., $1.00.

C. DAVITIVIENSIS "Davi's Oak." Southeast Australia. 60 feet. Valuable for planting on the sea coast for holding the sand. Pkt., 15c; oz., $1.00.

C. STRICTA. "She Oak." Attaining a height of about 75 feet. Handsome, the foliage is produced peculiarly valuable for planting along roadsides. It produces a very tough wood, suitable for tool handles. Pkt., 5c; oz., $1.00.

Catalpa Speciosa. "Hardy Catalpa." 50 feet. A well known deciduous tree of rapid growth, much used for planting on timber claims. Flowers white, in large, panicle-like clusters. Pkt., 10c; oz., 50c; lb., $1.50.

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

CEDRUS ATLANTICA. "Mt. Atlas Cedar." 100 feet. A splendid tree of upright, pyramidal growth with silvery green foliage. Pkt., 15c; oz., 60c; lb., $6.00.

C. DEODARA. "Himalayan Cedar." 120 feet. One of the most handsome trees in cultivation, succeeding most remarkably well in California. Drooping branches and silvery green foliage. Pkt., 15c; oz., 60c; lb., $6.00.

C. LIBANI. "Cedar of Lebanon." Of spreading habit, the whole top seeming to grow into a sheet of branches growing horizontally; of darker green than the preceding. Pkt., 15c; oz., 60c, lb., $6.00.

C. Siliqua. "St. John's Bread," or "Carob Tree." 40 feet. A thick-growing, A much used with clusters of dark green foliage; will grow in any soil and tolerates with scarcely any water. Pkt., 10c, oz., 25c; lb., $2.50.

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

CHORIZEMA ILLICIFORMIUM. A spreading shrub or half-climber from Australia. The leaves are long with narrow, very many leaflets, in an apne-5 leafed cluster, very holly-like. The flowers are small, pea-shaped; red, purple and yellow. It blossoms in winter and early spring, when the shoots are simply a mass of brilliant colors. Pkt, 25c.

C. C. BAUERI. A very handsome low growing shrub. The leaves are almost round, of a clean, glossy green color; when the branches are of a large size, the foliage is curved. Pkt., 15c; oz., 50c; lb., $3.00.

CORNUS CAPITATA. (Benthamia fragilera.) "Evergreen Dogwood." 16 feet. Large shrub with flowers resembling those of the Eastern Dogwood, creamy red, changing to white on blooming. This shrub is better suited to California conditions than the eastern species and has the advantage of being evergreen. Pkt., 15c; oz., 50c; lb., $2.50.

COHONILLA GLAUCA. A small shrub with glaucous foliage and quantities of bright yellow pea-shaped flowers. Pkt., 15c; oz., 75c.
Successful Gardens

COTONEASTER PANOSA. A very desirable shrub, of spreading habit, with many gracefully drooping branches bearing green downy foliage; covered in fall and winter with quantities of bright red berries. Pkt. 10c; oz., 40c; lb., $1.00.

CRATAEGUS PYRACANTHA LALANDI. "Evergreen Thorn," or "Burning Bush." 10 feet. A thorny, thick-growing, evergreen shrub, with small dark green leaves and white flowers followed by masses of scarlet-red berries which are particularly attractive, remaining on the plant all winter. Pkt. 10c; oz., 40c; lb., $1.00.

CRATAEGUS CHENULATA. Similar to the preceding but has orange, yellow, and bright red berries. Pkt. 10c; oz., 40c; lb., $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 grounds. Pkt. 10c. oz., 40c; lb., $1.00.

E. ELEGANS. "Fine-leaved Japan Cedar." Very ornamental, fine feathery foliage, which in winter turns to a reddish brown. A splendid tree for planting in groups of 5 or more. Pkt. 26c.

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 quickly to a great height & has an erect growth, with almost any soil, standing intense heat, and much frost. The accompanying cut is reproduced from a photograph of a tree in the native habitat in Arizona, where my stock of seed was collected. Pkt. 15c. oz., 50c; lb. $5.00.

C. BENTHAMI KNIGHTIANA. "Knight's Cypress." 70 feet. A large tree with drooping branches, feathery branches and glaucous foliage. Pkt. 15c. oz., 60c; lb., $6.00.

C. FUNEBRIS. "Weeping or Funeral Cypress." 60 feet. A tree of great beauty, with wide spreading pendulous branches and rich, green, graceful foliage. Pkt. 15c. oz., 60c; lb., $6.00.

C. GOVENIANA. "Govens Dwarf Cypress." A native shrub of the highest merit, forming a handsome crown; rich, dark green foliage. Pkt. 15c; oz., 60c; lb. $6.00.

C. MACROCARPA. "Montery Cypress." 70 feet. A native tree, extensively planted for hedges and equally valuable for single specimens. The tree becomes very picturesque in old age. Pkt. 15c; oz., 60c; lb., $7.00.

C. LUSITANICA. (C. Glauca) "Blue Cypress." A rapid growing tree of rather spreading habit with glaucous foliage. Pkt. 15c, oz., 50c; lb., $5.00.

C. SEMPERVIRENS VAR. TACLANITATA. "Italian Cypress." 75 feet. A tall, tapering tree with erect branches, growing close and parallel with the trunk. Perfectly used in formal gardens. Pkt. 15c, oz., 50c; lb. $6.00.

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

CYPHOMANDRA BETACEA. (Solanum betaceum) "Tree Tomato." Grows to a height of about 8 feet, with large, handsome foliage. It produces quantities of bright orange fruits, which are of a bright orange color, and are sometimes used for preserves. Pkt. 25c.

CYTISUS LABURNUM. "Golden Chain." A beautiful deciduous tree, with pretty foliage and long, pendulous racemes of pea-shaped flowers, of a rich yellow; appearing in great profusion early in spring. Pkt. 15c, oz., 50c.

CYTISUS Proliferus. "Tagasaste." A shrub growing to a height of about 12 feet. It produces large appearing in great profusion early in spring. Pkt. 15c, oz., 75c.

DENDROMECON RIGIDUM. "Tree Poppy." A native perennial, 3 feet. A graceful, willowy foliage and bright-yellow flowers, 3 inches or more in diameter; blooms nearly all the year. Seed is hard to obtain. Pkt. 15c, oz., 40c; lb., $1.00.

ERYTHRINA CRISTA GALLI. "Coral Tree." Brazil. 30 feet. A beautiful deciduous tree, with large, deep green foliage and immense brilliant-red, pea-shaped flowers. Pkt. 15c; oz., $1.00.

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

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

FRAXINUS VELUTINA. "Arizona Ash." A deciduous tree, largely planted in mountains. The flowers are large, golden-yellow, two to three inches across. The seed is hard to germinate. Pkt. 15c; oz., $2.00.

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

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


G. MONOSPERMA PENDULA. "Bridal Veil." 10 feet. A fine and handsome shrub with masses of small, silver, very ornamental, drooping, silver branches. The flowers are white and produced in immense numbers. Pkt. 25c; oz., $1.25.

G. STENOPELATA. (G. maderensis). A magnificent shrub with handsome foliage; and large, long spikes of bright yellow or orange. Very ornamental and useful for cutting. Pkt. 15c, oz., $1.25.

GREVILLEA ROBUSTA. "Silky Oak." 150 feet. A large tree with very fern-like foliage, covered late in spring with orange-colored flowers which are a great source of honey for bees; does well in all parts of California and is one of the most stately trees for avenue planting; thriving with scarcely any water. Pkt. 15c, oz., 60c; lb., $6.00.

GUAVA. See Psidium.

MAKEA ELLIPTICA. A shrub of rather compact habit, growing to a height of 8 or 10 feet. The older leaves are glabrous, while the young shoots and leaves have a rusty appearance. Very ornamental for lawn or shrubbery planting. Pkt. 15c.

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

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

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

H. SUAVEOLENS. (H. pectinata) A dense shrub attaining a height of 8 to 10 feet, with deeply cut sharp-pointed leaves and white flowers. Pkt. 25c.

HETEROMELES ARBITIFOLIA. "California Holly" or "Christmas Berry." 10 feet. A native California shrub; found plentifully in all our foothills. Very desirable in account of its handsome foliage and lime for its bright colored berries. Pkt. 15c; oz., 10c; lb, $4.00.

JACARANDA MIMOSEIFOLIA. (J. ovalifolia.) Brazil. 30 feet. One of the finest of our flowering trees, literally covered in early summer with large blue bignonia-like flowers. The foliage is finely cut like a fern and the flowers are perfect containing from 30 to 40 seeds. Fod 6c, doz, pods 50c.

JUNIPERUS CALIFORNICA. "California Juniper." A native shrub or small tree of spreading habit, found in our washes. Very desirable in account of its handsome foliage and lime for its bright colored berries. Pkt. 15c; oz., 10c; lb, $4.00.

J. BERMUDIANA. "Bermuda Juniper." 40 feet. A beautiful tree of densely branched pyramidal form; foliage of a pale bluish-green color. Pkt. 15c, oz., 50c.

J. SABINA VAR PROSTRATA. "Dwarf Trailing Juniper." A dwarf trailing variety, with handsome, glossy grey foliage. Very valuable for rock gardens, etc. Pkt. 15c., oz. 60c.

J. VIRGINIANA. "Red Cedar." U. S. 100 feet. A well known tree with green or bronze green foliage. Pkt. 10c., oz. 25c., lb. $3.50.

LAGUNARIA PATENS. 20 feet. A small palm tree with ovaie leaves. Whitish undersides, flowers something like Hibiscus, pale rose color. Pkt. 15c., oz. 75c.

LAUERSTINUS. See Viburnum.

LAVATERA ASSUGENTIFLORA. Native of San Diego, California, forming cespitose heads, and is especially valuable for planting on sand dunes and banks to hold the soil, also used for planting in chicken yards for temporary shade. Flowers deep lake red. Pkt. 15c., oz., 50c.

LEPTOSPERMUM LAEVIGATUM. This beautiful shrub does particularly well in California, and is very valuable for planting in masses and for filling up odd corners. It grows rapidly and in the spring is laden with a profusion of white blossoms. Pkt. 25c., oz. $2.00.

LEUCADENDRON ARGENTUM. "Silver Tree." Cape of Good Hope. 30 feet. A rare tree, some fine specimens are to be found in Santa Barbara. It has lanceolate, silvery leaves, densely covered with silky hairs. Great care must be taken to have grafted stock, as it is not liked when budded or seeded "damp" off very easily. 10 seeds 25c., 100 seeds $2.00.

LIBOCEDRUS DECURRENS. "Incense Cedar." 100 feet. A beautiful California tree, thriving well under cultivation. It forms a handsome, compact growing tree, with cinnamon red bark and bright green foliage, glaucous underneath. Pkt. 15c., oz. 60c., lb. $6.00.

LIGUSTRUM NEPALENSIS. "Small-leaved Privet." 16 feet. Much used for hedges in Southern California, grows quickly and can be trimmed in any way desired, making a dense, thick hedge. Leaves small, elliptic, flowers white, in large sprays. Pkt. 10c., oz. 25c., lb. $2.50.

LIGUSTRUM JAPONICUM. "Japanese Privet." 20 feet. A large shrub or small tree, with glossy, dark green foliage, leaves ovate-oblong, and stands trimming well. Pkt. 10c., oz. 25c., lb. $2.50.

MAGNOLIA GRANDIFLORA. 80 feet. One of the finest of American evergreen trees; the leaves are thick, bright green and rustly on the under side; flowers white and fragrant. Fresh seed from November to January. Pkt. 10c., oz. 30c., lb. $1.00.

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

M. ARMILLARIS. "Bottle Brush." 15 feet. Of spreading habit, with slender drooping branches covered with small soft green leaves. Flowers creamy white. Pkt. 15c.

M. DECUSATA. "Bottle Brush." 15 feet. Large shrub with thin branches; leaves ovate, gray green. Short spikes of lilac flowers. Pkt. 15c.

M. NESPOMILA. "Bottle Brush." A handsome shrub of spreading habit with gray green foliage and rosie lilac blossoms. Pkt. 15c.

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

MELIA AZEDARACHUM UMBRACULIFORMIS. "Texas Umbrella Tree." A native tree of California. The conspicuous clusters of white flowers are erect and in a manner radiating from the trunk and with drooping foliage, give it the appearance of a gigantic umbrella. It is a handsome shade tree and will stand a great amount of heat. Pkt. 10c., oz. 20c., lb. $2.00.

METROSIDEROS TOMETOSA. A beautiful shrub from New Zealand. Leaves thick and leathery, green on the upper side but whitish beneath. The flowers appear in rounded terminal clusters, and are reddish purple showy by their profusion of long crimson stamens. It forms a particularly handsome shrub at any time, but when in flower will attract attention in distant and close view. Pkt. 15c.

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

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

PEPPER TREE. See Schinus.

PECEA EXCELSA. "Norway Spruce." 150 feet. A magnificent tree; the branches assume a very graceful drooping habit; when the tree is 20 feet high. Pkt. 15c., oz. 50c., lb. $5.00.

PINUS 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. CANARIENSIS. "Blue Pine." 60 feet. A beautiful evergreen tree with very dense, blue green, a glaucous blue color. It is of rapid growth, stands a light wind and is one of the best pines for Southern California. It has the peculiar property of sprouting from the stump when cut down or even burnt off, which is a valuable feature in the reforestation of our mountainous regions. Pkt. 15c., oz. 50c., lb. $6.00.

P. COUTLERI. "Big Cone Pine." 80 feet. A native species from the San Bernardino and San Jacinto Mountains at an elevation of 4500 to 7000 feet, but, unlike most of our native pines of that region, it succeeds well under cultivation in the valley. It has rough bark, the needles are in clusters of 4 to 6, the cones are flat and dark green. Pkt. 15c., oz. 50c., lb. $5.00.

P. HALEPENSIS. "Aleppo Pine." Western Asia. 60 feet. A tree of rapid growth and spreading habit, with light yellowish green foliage. It is a valuable ornamental tree. Pkt. 15c., oz. 50c., lb. $5.00.

P. PINIGIS. (P. radiata.) "Monterey Pine." 100 feet. A well known native species of rapid growth, succeeding best near the coast. Pkt. 15c., oz., 50c., lb. $5.00.

P. MARITIMA. (P. pinaster.) "Seaside Pine." Southern Europe. 80 feet. A beautiful tree with deep furrowed bark, needles a bright glossy green, 6 to 8 inches in length, and is best planted along the coast. Pkt. 10c., oz. 30c., lb. $3.00.

P. MURICATA. "Bishop Pine," a native California species, found in little flats and low hills from San Luis Obispo northward as far as near the coast. It forms a tree 40 to 80 feet high, with roundish bushy head, and is valuable for wind breaks or for ornamental purposes. The seed cones are produced in circles around the main trunk from near the ground to its summit, and also on the main branches. These cones are persistent for an indefinite time, often 15 to 25 years, and give the tree its most unique appearance. Pkt. 15c., oz. 90c., lb. $1.00.

P. PARIYANA. (P. squadrifolia.) "Parry's Nut Pine." A small tree from the Santa Cruz mountains, with rounded top and short needles from 1 to 1 1/2 inches long of a glaucous color. Found in the dry mountains of Lower California, and introduced into San Diego County. Pkt. 10c., oz. 50c., lb. $5.00.

P. PINEA. "Italian Stone Pine." 60 feet. A very picturesque tree; branches spreading and usually confined to the top of the tree. Pkt. 10c., oz., 50c., lb. $2.00.

P. SABINIANA. "Sabin's Nut Pine." A native tree found in Antelope Valley and from there northward; needles light green or glaucous, three in a cluster and drooping. It succeeds well under cultivation and forms a handsome tree. Pkt. 10c., oz., 50c., lb. $5.00.

P. TORREYANA. "Torrey Pine." A native pine found on the bluffs at Del Mar, in San Diego County; a rather small tree of spreading habit, needles long and slender in a cluster, and succeeds well under cultivation. Pkt. 15c., oz., 50c., lb. $6.00.

P. TUBERCULATA. (P. attenuata.) "Knob Cone Pine." A native species especially valuable for dry hillsides. Has one light green foliage. Pkt. 15c., oz. 90c., lb. $9.00.

PITTSOPORUM EUGENIOIDES. 20 feet. A handsome shrub, with upright, glossy green leaves and dark stems. Very pretty for hedges and also as single specimen plants. Pkt. 15c., oz., $1.00.

P. PHILLYRAEOIDES. A rare and graceful tree attaining 60 feet at a height of 10 to 25 feet. In habit and general appearance it resembles the Weeping Willow, having drooping branches and narrow green leaves, but has the advantage of being an evergreen tree. Pkt. 25c.

P. CRASSIFOLIUM. A tall growing shrub, with grey green, downy foliage and small deep red flowers. Thrives especially well near the coast. Pkt. 15c., oz. 75c.
P. NIGRICANS. Shrub of upright growth; small shiny green leaves and dark, almost black stems. Pkt. 15c, oz. $1.00.

P. PORTULACAE. A handsome shrub, with dark green, shiny leaves and numerous white, fragrant flowers. Pkt. 15c, oz. 60c.

P. RHOMBIFOLIUM. A beautiful tree and highly recommended for street planting. It is of compact growth and the foliage is of a bright, rich green. It bears large umbels of white, fragrant flowers, followed by orange-colored berries in the fall of the year. Pkt. 25c, oz. $1.00.

P. UNDULATUM. A shrub or small tree, with large lance-shaped, deep green, glossy leaves and white fragrant flowers. It makes a very handsome as single specimen plants; also suitable for street trees. Pkt. 15c, oz. 60c.

PHILOSTACHYS. See Ligustrum. PRUNUS CAROLINIANA. "Carolina Cherry." A large shrub or small tree of pyramidal growth; pretty, glossy green leaves and white flowers. Makes a splendid street tree. Fresh seeds from January to April. Pkt. 10c; oz. 25c; lb. $2.50.

P. ILICIFOLIA. "California Cherry." A beautiful native shrub found in most of our foothills. It has pretty, holly-like foliage and small white flowers; very fine for single specimens and also makes a splendid hedge. Fresh seed from November to April. Oz. 15c, lb. $1.50.

P. INTEGRIFOLIA. "Catalina Cherry." From Catalina Island, of great growth, large leaves; large, oval, glossy green; very pretty as single specimens or as a street tree. Fresh seed from November to April. Pkt. 15c, oz. 60c, lb. $1.00.

PSIDIIUM CATTLEXANUM. "Strawberry Guava." A small shrub grown for the fruit, which is round, deep clear color, of strawberry flavor. Much used for jellies and preserves, also for eating fresh. Pkt. 15c, oz. 60c, lb. $5.00.

P. GUAYAVA. "Lemon Guava." Fruit yellow, pear-shaped, valuable for jellies and preserves. Pkt. 15c, oz. $1.00.

RAPHIOLEPSIS JAPONICA. (R. ovata). Japan. 12 feet. A beautiful compact shrub of rather slow growth, oval, thick and leathery, and of a dark, rich green. In spring the plants are covered with white, fragrant flowers. Pkt. 15c, oz. 30c, lb. $5.00.

ROBINIA PSEUDACACIA. "Yellow or Black Locust." 60 feet. A deciduous tree of rapid growth, largely used for planting on timber claims. Handsome pine-like foliage; flowers pea-shaped, white, fragrant, in slender drooping racemes. Pkt. 10c, oz. 25c, lb. $2.50.

RHUS LAURINA. "Sumach." A native shrub, of compact, smooth green foliage and small white flowers. Pkt. 15c, oz. 50c.

SCHINUS MOLLE. "Pepper Tree." Peru. 60 feet. The most graceful and attractive of the small evergreen trees; it has its long branches of finely cut, delicate green leaves and coral red berries, it is the admiration of every traveler. Pkt. 10c, oz. 25c, lb. $1.00.

TEREBINTHIFOLIUM. "Brazilian Pepper." 40 feet. Of upright spreading growth, leaves larger than in the preceding. Large, erect clusters of coral red berries appearing in winter. Pkt. 15c, oz. 50c.

**CIADOPITIS VERTICILLATA.** "Umbrella Pine." Japan. 100 feet. A remarkably handsome tree of slow growth, doing well in California near the coast; with multi-branched or on lawns. Branches in regular whors, covered with dark green, narrow leaves 3 to 6 inches long. Pkt. 15c, oz. 75c, lb. $1.50.

**SEQUIA GIGANTEA.** "California Big Tree." 300 feet. A magnificent tree of perfect pyramidal form. Foliage bluish green. Pkt. 25c, oz. $2.50.

S. SEMEPERVIRENS. "California Redwood." 300 feet. Of rapid growth; a splendid ornamental tree, suitable for the west part of the state. Leaves dark green, paler underneath. Pkt. 15c, oz. 50c, lb. $5.00.

**SPARTIUM JUNCEUUM.** "Spanish Broom." 10 feet. A quick growing shrub of upright habit. Large, yellow, pea-shaped flowers in great profusion on rose-colored leafless branchlets. Pkt. 15c, oz. 75c.

**S. MULTIFLORUM ALBUM.** "White Portuguese Broom." 8 feet. A pretty shrub with large, white, pea-shaped flowers. Pkt. 15c, oz. 75c.

**S. SCOPARIUM.** "Scotch Broom." 6 feet. A rather slow growing shrub; bright green stems and white flowers. Pkt. 15c, oz. 50c.

**STERCULIA ACERIFOLIA.** (Brachychiton acerifolium.) "Flame Tree." 50 feet. A tree of rather slow growth, with deep green, glossy leaves; produces scarlet flowers in clusters which stand well above the foliage. Pkt. 15c, oz. 60c, lb. $6.00.

**S. DIVERSIFOLIA.** "Victorian Bottle Tree." 60 feet. Of compact pyramidal growth; leaves bright, glossy green and of many different shapes. Thrives with a small amount of water and has been largely planted as a street tree. Pkt. 15c, oz. 50c, lb. $5.00.

**THUJA OCCIDENTALIS.** "American Arborvitae." "White Cedar." 60 feet. A slow tree for single specimens and also for high hedges or screens. The foliage is bright green, lighter underneath and assumes a brown or bronze tones in the winter. Pkt. 15c, oz. 75c, lb. $7.50.

**T. ORIENTALIS.** (Biota orientalis.) "Chinese Arborvitae." 25 feet. A small thick growing pyramidal tree. Bright green, branching thorns. oz. 60c or grown in the winter. Desirable as single specimen trees or for hedges. Pkt. 10c; oz. 40c, lb. $1.00.

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

**T. ORIENTALIS 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, dense, compact head; leaves 1 to 3 inches long, dark, shining green. Pkt. 15c, oz. 20c, lb. $2.00.

**TRISTANIA CONFERTA.** "Brisbane Box." A particularly beautiful tree, with large, handsome foliage and white flowers. It forms a dense compact head and is very ornamental for single specimen trees and also for street planting. Pkt. 25c.

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

**ULMUS CALIFORNICA.** (Oreodaphne californica.) "California Laurel" or "Bay." 80 feet. Found growing near streams in many of our canyons where it forms a handsome bush. Pkt. 10c, oz. 60c, lb. $2.00.

**UMBRELLA TREE.** See Melia.

**VIBURNUM TINUS.** "Laurelinus." 12 feet. A well known shrub with showy umbels of white flowers blooming profusely in the winter. Makes a splendid hedge. Pkt. 16c; oz. 40c; lb. $4.00.

**WIGANDIA MACROPHYLLA.** (W. caracasana.) A shrub attaining a height of from 15 to 20 feet, remarkable for its large inflorescence of immense size and large trusses of violet-blue flowers. Pkt. 25c.

**WISTARIA CHINENSIS.** "Chinese Wisteria." A splendid, rapid growing, deciduous climber, producing large clusters of pale blue, pea-shaped flowers. Pkt. 15c, oz. 50c.

We specialize in tree and shrub seeds and have available a complete stock of the foregoing, together with many rare and meritorious species. Growers of ornamental stocks will find these seeds of uniform high vitality and true to name, however, 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.
EUCALYPTUS SEEDS

am headquarters for eucalyptus seeds, having the most extensive trade in this line of any firm in the United States, and supplying the largest planters here as well as exporting to many foreign countries. To this end, I have practiced with great care and attention, and the seeds are carefully handled by my own men, under my personal supervision, from selected specimen trees, and are both true to name and of the very best stock obtainable. So extensive has become my trade in this line that a trifle under 1800 pounds was the total amount of seed thus collected in one season. For a few species of which the seed cannot yet be obtained in California I am in direct communication with the most reliable authorities in Australia who collect the seeds for me in their native habitats.

REQUIREMENTS. The requirements for propagating the seedlings are:

A lath house or lath or cloth covered frames to shade the seed beds during the day. When growing seeds in the field, an early-morning and late-afternoon shade should be provided. A lath house. Shallow boxes or flats; a good light soil and water convenient for sprinkling.

FLATS OR BOXES. These should be 3 inches deep and any size desired, though the size most convenient and generally used is about 20 inches square and will hold 100 plants. Some are using 18 inches square, the latter being mostly made of boards sawed in half, using inch pieces for ends and split shakes for the sides. This makes a box 16x18x3 inches inside which does very well for very small plants.

SOIL. This should be a good, sandy loam passed through a screen so as to take out any lumps or stones. If good leaf mould is procurable a small quantity may be mixed with the soil, as it helps to retain the moisture.

SEED. Procure the best seed possible from the most reliable source; it does not pay to use cheap seed, for by getting seed not true to name the loss cannot be calculated.

QUANTITY OF SEED. The quantity of seed to produce a given number of trees varies according to the species; as a fair average, however, 1 lb. should produce 30,000 seedlings, though as high as 30,000 may be obtained with the better varieties.

TIME OF SOWING. This varies somewhat according to the locality and the species to be sown. The usual time, however, is in June, or early July, and seedlings from these sowings will be ready to set out in the field by the following February; later sowings are also made in August and early part of September, and these seedlings will be ready to plant out in April.

SOWING THE SEED. There are two methods of sowing the seed, viz.: In seed beds and seed boxes. For raising limited quantities the latter method is probably the most convenient. Ramp all the prepared soil, smooth off the surface and press down lightly with a board, tamping it slightly in the corners. As an alternative, sow the seed broadcast, using about 1/4 oz. of seed to a box, then cover the seed with the same kind of soil. This seed should be sifted through a fine meshed sieve and not be more than 1/4 of an inch deep. The boxes should then be placed in the lath house or in some place where they can be covered with lath or cloth covered frames. The soil must be kept moist at all times, the watering should be done with a pot or a loose hose-nozzle so fine as to produce nothing but a spray.

As soon as the young seedlings show through the surface great care must be exercised in watering or the seedlings will "damp off." Always water in the morning and never at night. When raising the seedlings in seed boxes or flats, keeping in mind that the seedling is 'the plant from the start,,' transplant as early as possible with as little soil as possible, and water freely after transplanting. As soon as the seedlings show through the surface they should be transplanted to small boxes, as they are growing rapidly, and should be transplanted gradually removed so that they will harden to the full sun.

TRANSPANTING. When the seedlings are 2 to 3 inches high they are ready for transplanting, but they may be handled by exposure to the sun; transplant to the same kind of boxes as already mentioned, 100 to a box, in perfect rows or checks, using the same kind of soil as that in which the seed was sown though a trifle heavier or less sandy. Fill the boxes, press down the soil and smooth off the surface then mark the soil off by lines into ten divisions each way and plant with lines across the boxes spaced 2 feet apart. As soon as the seedling will take and the soil in centers of 100 to each box. A method often used by commercial growers is to have a board just the size of the inside of the box: in this are placed 100 screws, set at the right distance apart for the trees; these help in keeping the soil compacted by forming a hole protruding about ¼ of an inch from the board. This board is laid on the smooth surface of the seed and handled with the screwing down of the soil, thus making 100 impressions at the exact places for the plants. In planting, make a hole for each seedling with the seed box, then fill with the size of a lead pencil. Firming the soil after putting in the plant. Sprinkle a thin layer of sand over the surface of the soil, and not until the moisture and will keep the surface from baking. Before the plants are ready to be set out, and in the seed box or bed they should have a thorough watering so that they will come out of the soil earthy and, when the box has been removed, they should be allowed to dry on any account during the process of transplanting. When growing the plants for sale it is advisable to grade seedlings into sizes practical to the time of transplanting, so that when the plants are ready for sale they will be of an even size in boxes and the boxes will contain a certain number of plants as can be sold first and the smaller ones later in the season. As soon as the plants are ready to be set out they must be watered thoroughly and set in complete shade for a few days until they thoroughly recover, and be kept out of direct sun. They are not harden to the sun and cared for until they are ready to set out in the field.

PLANTING OUT IN THE FIELD. The land should be plowed as deeply as possible and well harrowed. The time to plant varies according to the climatic conditions. For example, in California, as in most localities there is little or no danger of frost, planting may be done in the winter time, thus getting the benefit of the rains, but in sections where frost prevails it is better to plant in late spring. The size at which the plants are best to set out is from 6 to 10 inches. The boxes may be cut to the field size in any desired shape. The inside of the box should be taken off and each plant cut out with a square of earth and then planted with a trowel, taking care not to break the ball of earth, and the plants should be set about one inch deeper than they were in the box. A quart or so of water should be given to each plant as soon as it is set and afterwards hoe a little dry soil up around each plant. The rotation to set the young trees varies according to the species, the soil and the purpose for which they are grown. On heavy soils and pastures it is not practised; they may be planted 6x6 feet apart, where irrigating and cultivating is practised 4x3 feet is a suitable distance. In light soils 8x8 feet is a good distance. Some are planting 2x8 feet on the alternate or triangle system, placing the trees 8 feet apart in the rows and 7 feet between the rows, which makes the tree a well-stretched framework. It is claimed for this system that they do not throw so much shadow and get a more even amount of sunlight, causing them to make a straighter and more even growth when young.

CARE OF THE YOUNG TREES. As the value of the growth depends very largely on the care given. As a good start, it will pay wherever practical to irrigate and cultivate the trees for at least the first two seasons.

THINNING THE TREES. To produce good lumber it is necessary that the trees grow straight. Close planting induces a straight growth. It is therefore better to plant closely and at the end of the first season grub out all weak and inferior trees.
SPECIES TO PLANT FOR PROFIT. Eucalyptus trees are gross feeders and to be grown profitably require a deep, rich soil with a fair amount of moisture, and only under these conditions will they make good growth. They require lenient treatment, and the locality where the trees are to be grown. For general timber purposes, taking all conditions and uses into consideration, E. tereticornis is considered the most profitable tree to plant. But in sections where E. globulus, “Blue Gum,” thrives there will be quicker returns by planting this species than any other. For the hot interior sections E. tereticornis and E. rostrata are recognized as the leading commercial kinds, while E. viminalis might be grown very profitably under the same conditions. In localities not subject to frost E. coromandelica may be planted. For those who have the right conditions and a word to wait for returns, E. resinifera will probably prove one of the most profitable on account of its very valuable wood, which is used for furniture and interior finishing and is imported very largely by railway companies for the inside of cars under the trade name of Australian Mahogany.

SPECIES FOR FENCE POSTS. This is an important item on large ranches. By setting aside a small portion of land a great quantity of fence posts could be produced in a few years. The best species for this purpose are E. tereticornis, E. robusta, E. rostrata and E. coromandelica.

SPECIES FOR WIND-BREAKS. This is also of great importance in many parts of the country where heavy winds prevail. Probably the best species for this purpose are E. globulus, E. botryoides, E. robusta, E. cornuta, E. diversicolor and E. polyantha, and for irrigated sections on the desert, E. rudis.

Eucalyptus seed vessels, spread out on canvas to dry

PHOTOGRAPH BY T. P. LUKENS

EUCALYPTUS AMYGDALINA. “Peppermint Gum.” An exceedingly tall growing tree; in fact, to this species belong probably the tallest trees in the world. Back in modern days the timber trees when planted on poor or impoverished soil make stunted, crooked trees, which are worthless for timber purposes. The best species to plant for profit depends largely upon the locality where the trees are to be grown. For general timber purposes, taking all conditions and uses into consideration, E. tereticornis is considered the best tree to plant. But in sections where E. globulus, “Blue Gum,” thrives there will be quicker returns by planting this species than any other. For the hot interior sections E. tereticornis and E. rostrata are recognized as the leading commercial kinds, while E. viminalis might be grown very profitably under the same conditions. In localities not subject to frost E. coromandelica may be planted. For those who have the right conditions and a word to wait for returns, E. resinifera will probably prove one of the most profitable on account of its very valuable wood, which is used for furniture and interior finishing and is imported very largely by railway companies for the inside of cars under the trade name of Australian Mahogany.

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

E. AMPHIFOLIA. Much resembling E. tereticornis, but having large, almost round leaves when in the young state; generally known in California as the "Cooper" or "Mountain ash tereticornis." In correspondence I received from Professor J. H. Maiden in regard to this tree he states that it is known botanically under the above name, under which it was described by Naudin. Professor Maiden states, however, that this is not the case. The species is, generally speaking, be treated as a variety of E. tereticornis, but he is not prepared to say further until he deals with E. tereticornis in the new edition of the "Critical Revision of the Genus Eucalyptus and Forest Flora of New South Wales." The wood is adapted to that of tereticornis and the timber trees have been planted quite extensively in California for commercial purposes in the form of fences, posts, poles and is valuable for ornamental purposes. Pkt. 15c., $1.00, lb. $10.00.

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E. FICIFOLIA. "Scarlet-flowering Gum." 30 feet. A very ornamental species with large, leathery leaves and immense clusters of large, bright crimson flowers. Sown as seeds 25c, 100 seeds 5c.

E. GLOBULUS. "Blue Gum." The best known species and one of the most important of the genus, also the fastest growing. Height in Australia valleys is 200 to 300 feet. In California trees 30 years old have attained the height of 180 feet and a diameter of 3 to 4 feet. It is used for erect timber and is succeeding best near the coast and on account of its rapid growth is probably the most profitable of all the timbers to plant. The wood is durable above ground; large quantities of it have been sawed at San Jose, Cal., for fence posts, piles, and stringers for roofing, insulating pins and anything requiring strength. It takes a fine polish and is valuable for furniture and interior finishing. Pkt. 15c, oz. 75c, lb. $7.50.

E. GONIOCEPHALA. "Boart." A medium sized tree, valuable for its high strength, very hard, straight grain and weight. It is extensively used in California, near the coast, but has not been thoroughly tested in the interior. The wood is one of those trees that when young may be pruned for shipbuilding and bridges. Pkt. 15c, oz. $1.00.

E. GONIOCALYX. "New South Wales Blue Gum." A large tree, reaching a height in Australia in favorable situations of 200 feet. In the coast oaks of California in the coast regions. The timber is hard and tough, used for wheelwrights' work and shipbuilding. Pkt. 15c, oz. $1.00.

E. GUUNI. "Tasmanian Cedar Tree." This is one of the hardest of the genus. In its native habitats it grows 200 feet and sometimes reaches 150 feet or more. It also ascends the mountains to an elevation of 5000 feet, where it becomes a dwarf tree or moss. It is extremely hardy, growing where there is snow for several months in the year. Should prove one of the best timbers for planting in our mountains for fence and building cover. The wood is used for various artisans' work. Pkt. 15c, oz. $1.00, lb. $10.00.

E. HEMIPHLOIA. "Common Box." 100 to 150 feet. It thrives in California near the coast and also in the hot interior valleys, standing extremes of heat and drought. The best for general building purposes. The timber is strong, close grained and used for wheelwrights' work, piles, railway ties, posts, etc. Pkt. 15c, oz. $1.00, lb. $10.00.

E. LEUCOXYLON. "Victorian Ironbark." 100 feet. The trees are apt to grow crooked, but by giving them some attention when young may be pruned to grow straight. This species will grow in a greater variety of climates than most eucalyptus, thriving near the coast or in the hot desert valleys of the interior and will endure minimum temperatures of 15 degrees F. It is declared to be the best for forest cover. The wood is hard and durable, excelling (eucalyptus in strength; used for railway ties, telegraph poles, shipbuilding. Pkt. 15c, oz. $1.00, lb. $10.00.

E. LEUCOXYLON, VAR. ROSEA. A variety of the preceding species. The flowers, pink in color, have great value as an ornamental tree, and can be grown in localities where E. ficifolia will not thrive. Pkt. 15c, oz. $2.00.

E. LINEARIS. An ornamental species of somewhat weeping habit, with small, very narrow leaves. It has been known in California, though wrongly, under the name of E. amygdalina, var. angustifolia. Pkt. 15c, oz. $2.00.

E. LONGIFOLIA. "Woody Butt." A moderate sized tree, but in Australia under favorable conditions has sometimes reached a height of 200 feet. In California it thrives best near the coast. The timber is useful for posts, ties, street pavement, etc. Pkt. 15c, oz. $1.50.

E. MACULATA. "Spotted Gum." A height of 150 feet, growing remarkably straight. The wood is soft for building purposes and useful for wheelwrights' work. It is closely allied to E. citriodora and succeeds under the same conditions. Pkt. 15c, oz. $1.00.

E. MELLESIGA. "Red Box." A tree of the coast regions, reaching a height of 120 to 150 feet. In California it thrives near the coast, on the sides of low mountains and on the dry interior valleys. It is hard and durable, used for wheelwrights' work, shipbuilding and supplies one of the best fuels. The young trees have been used in telegraph poles. The wood takes a fine polish and is accounted of its profuse fragrant blossoms. It is one of the most useful as a source of honey for bees. Pkt. 15c, oz. $1.25.

E. MUELLERIANA. "Yellow Stringy-bark." A tree of the coast regions of Australia, but it has not been thoroughly tested in California. The wood is remarkably durable. Mr. J. Blackburne speaks of the timber of this tree as follows: "A fence erected of this timber at Gremmont, near Yarram, in Gippsland, sixty years ago, is at the present time sound and in use. The posts of another one on the old Cascade run (Gippsland) are still in good order after being in the ground for seventy years." Pkt. 15c, oz. $1.50.

E. OBLIQUA. "Stringy-bark." A tall, straight-growing tree sometimes attaining a height of 300 feet in Australia. In California it grows fairly well near the coast, but does better some distance inland; will not succeed, however, in the hot, dry interior valleys. The timber is strong and durable, useful for house building, shipbuilding, bridges, telegraph poles and railway ties. Pkt. 15c, oz. $1.00, lb. $16.00.

E. PIPERITA. "White Stringy-bark." A fine sized tree. It succeeds well near the coast and in cool, inland situations. The timber is easily split and used for fencing and general building purposes. Pkt. 15c, oz. $1.00.

E. POLYANTHEMA. "Red Box." In Australia this tree attains a height of 150 feet or more. In California it thrives under a great variety of climatic conditions. It grows near the coast, in the foothills and mountains and also in the interior. It is one of the most ornamental species. The leaves are narrow and with a silvery tinge; the flowers are small, white, in large clusters and are a great source of honey. The wood is extremely hard and lasting, used for railway ties, mining purposes and wheelwrights' work. It is of a light color and takes a good polish. Pkt. 15c, oz. $1.50, lb. $5.00.

E. PUNCTATA. "Leather-Jacket." A medium sized tree attaining a height of 100 feet in Australia. In California it succeeds best near the coast, though some fine specimens are to be seen in the valleys. The young trees at the Forestry Station at Santa Monica have made a rapid growth and grown remarkably straight. The wood is one of the strongest, of a light brown color, very hard and durable, useful for railway ties, wagon work and other purposes. This species promises to be one of the best for planting commercially in situations near the coast. Pkt. 15c, oz. $1.00, lb. $10.00.

E. RESINIFERA. "Red Mahogany." 100 feet or more. This tree thrives in the coast regions and is suited to moist, semi-tropical climates, but will not thrive in the hot interior valleys and will not resist severe frost. The trees are of remarkably straight growth. It has been said that this tree is of slow growth, but trees on the dry mesa near Santa Monica have made a growth that compares favorably with many of the foremost species. The wood is one of a rich, red color, resembling true mahogany; it takes a fine polish and makes the most beautiful furniture. The timber is very strong, hard and durable and is used in Australia for piles, posts, paving and general building purposes. Pkt. 15c, oz. $1.00, lb. $10.00.
E. ROBUSTA. "Swamp Mahogany." 100 feet. This tree thrives best in low, moist land, but has been grown under a variety of conditions. It is remarkably in growth when young and has been largely planted as a street tree and for wind-breaks. It is made into ordinary building timber and its flowers and fruit are valuable for bees. The wood is brittle and not very valuable, but is durable under ground. Pkt. 50c, oz. $1.00.

E. ROSTRATA. "Red Gum." In Australia it is said to attain a height of 200 feet under favorable conditions. It succeeds under a greater variety of conditions and soils than probably any other species, growing well on moister land near the sea and in the hot interior valleys, standing extremes of heat and cold. It has done remarkably well at Imperial and all other irrigated sections on the desert. The growth of this species is very rapid, but in the hot interior sections it grows very slowly. The wood of the "Blue Gum" will in the coastal regions. This tree has been planted very extensively and is recognized as one of the best commercial species for the hot interior sections. The wood is strong and durable, useful for railway ties, piles, street paving, fence posts, etc. It takes of 10 degrees to 18 degrees F. for furring and is used for cabinet work. Pkt. 15c, oz. 50c, lb. $5.00.

E. RUPESTRE. 75 to 100 feet. One of the best for street planting, 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 referred to sometimes the "Desert Gum." Pkt. 15c, oz. $1.00, lb. $10.00.

E. SIDEROPHLOIA. "Broad-leaved Ironbark." 100 feet. Thrives well in California, in the coastal regions, but is not suited to the dry, hot interior valleys. The wood is very strong and durable, useful for wagon building, railway ties, etc. Pkt. 15c, oz. $1.00.

E. SIDEROXYLON. "Red Ironbark." A medium sized tree. In coastal regions it stands extremes of heat and cold and on plains and hillsides farther inland it will endure minimum temperatures of 16 degrees to 20 degrees F. The wood is of hard and heavy, useful for railway ties, bridges, wagon work, etc. Pkt. 15c, oz. $1.00.

E. SIMPLEX. The "Plains Tree." A variety of the preceding, with deep pink flowers, which contrast well with the dense silvery gray foliage. By many this is considered the most ornamental of all the eucalyptus. Pkt. 15c, oz. $1.50.

E. STUHARTIANA. "Apple-scented Gum." A medium sized tree. It thrives near the coast and will endure minimum temperatures of 20 degrees F., and can be planted at higher elevations than most species. It is mostly used for fence posts and for fuel; it is also useful for fur-niture manufacture, being of a dark color and taking a good polish. Pkt. 15c, oz. $1.00.

E. TERETICORNIS. "Forest Red Gum." 150 feet. One of the very best for commercial use, but has only been grown in California and is not likely to be extensively planted. It thrives rapidly in the irrigated sections. For general timber purposes I believe this is the best of the whole genus. The wood is hard, strong, durable, and has many desirable qualities. Pkt. 25c, oz. $1.00.

E. VONARIA. "Manna Gum." In Australia this tree has attained to a height of 300 feet with a diameter of 15 feet. It is an exceedingly handsome tree with long pendulous branches and is usually used as a central plant for parks or gardens and for avenue planting. This tree will thrive under a great variety of conditions, growing near the coast, also in the deserts of California and Arizona. It stands considerable heat and cold, but prefers a moist altitude than most of the other species. In the coastal regions it is of very rapid growth, being one of the first ready to be used for the Blue Gum while in the hot interior sections it is unsurpassed by any other species. The wood is not lasting under ground, and is so hard and heavy as to give the strength of many of the other eucalyptus; for this reason it has been neglected by timber planters in California the wood is too hard to work, being much harder than the "Blue Gum" and most of the other kinds. Still it is as hard as many of the so-called hardwoods that are now used. It takes a high polish, and its chief uses would be for furniture and all kinds of interior work. The fact that the tree will thrive over a wide range of country and also that it is of such rapid growth should make it one of the most valuable for timber plantings. Pkt. 15c, oz. 75c, lb. $7.50.

**PALM SEEDS**

The seeds of all the species offered here, except the Cocos, can be germinated without artificial heat. sow the seeds thickly in shallow boxes of light soil mixed with about the same quantity of leaf-mold. When a few inches high pot up into small pots. Some species are very slow to germinate, while others will come up in 5 or 6 weeks. Washingtonilla filifera and W. robusta, Phoenix canariensis and P. reclinata can be sown in the open ground in spring after the weather has become warm and will germinate easily.

CHAMAEROPS EXCELSA. (Trachycarpus excelsus.) "Wind-mill Palm." China, Japan and India. 30 feet. One of the hardest palms known, standing very well with injury to the leaves and also several degrees of frost. The leaves are fan-shaped, 6 feet long and heavy. It makes the best palms for street planting. Oz. 20c, 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 porch plants. Oz. 20c, lb. $2.00.

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

COCOS. A large genus of very beautiful pinnate-leaved palms from tropical and semi-tropical South America. Many of the species are grown in California and are especially desirable for planting on lawns. The seeds may be sown in boxes or seed pans as other seeds, but require bottom heat to germinate the seed.

C. AUSTRALIS. "Pindo Palm." 15 feet. A rather slow growing but very ornamental palm with glossy green recurved leaves. One of the hardiest of the genus and the one best known in California. 10 seeds 15c, 100 seeds $1.00.

C. ALPHONSEL. Stocky habit; rather quick growth for this group of palms. The leaves are blue-green, beautifully arched. The seeds are covered with a rich and almost edible covering. One of the hardiest of all palms, having stood in Northern Florida during the freeze of 1935 a temperature of 8 degrees F. Pkt. 15c, oz. $1.00.

C. BONNETTI. A very graceful palm, Leaves gray-green in color when in full sunshine, but when grown in houses, are darker green and have a "handsome" look for house culture and also quite hardy out of doors. In California. 10 seeds 25c, 100 seeds $1.00.

C. BOTRYOPHORA. "Bottle Palm." Very hardy and similar to C. plumosa, but of more rapid growth and having a more slender trunk; considered by many the best of the tall growing class. 10 seeds 25c, 100 seeds, $1.50.

C. CAMPESTRIS. 10 to 15 feet. Leaves spreading rather wide, but slightly recurved, dark green and glossy. 10 seeds $1.00.

C. CHLORIS. Similar to C. plumosa, but much harder; thriving in sections where the latter will not survive. 10 seeds 25c, 100 seeds $1.50.

C. ERIOSPATHA. 10 to 15 feet. Leaves blue-green in color. The seeds are covered with a rich and almost edible covering. One of the best of the hardy Cocos. 10 seeds 25c, 100 seeds $1.50.
PHOENIX RUPICOLA. India, 20 to 30 feet. A palm of slender, graceful habit, suitable for single specimens or avenue planting. Very desirable in the year-round 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.

W. ROBUSTA. (W. gracilis.) 100 feet. Of more slender growth than the preceding and more graceful in general appearance. The leaves are brighter green and with less filaments. This is the palm not so largely used for street planting. Oz. 25c, lb. $2.50.

W. SONORAE. Lower California, 25 feet. A beautiful palm resembling the well-known California Fan Palm, but more symmetrical in growth and smaller in habit. The leaves are of medium size with few or no filaments and retain their dark green color during the winter months. Leaf stem short and thorny, of upright growth with dark leaf-sheaths. Oz. 35c, lb. $3.50.

DECORATIVE PLANT SEEDS

Sow the seed in pots or boxes of light, well-drained soil; when plants are large enough to handle pot up to 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. Also grown as a pot plant. Soak the seed in hot water 12 hours before sowing. Pkt. 15c, 100 seeds 50c.

A. SPERNGERI. A favorite plant for hanging baskets. Treat the seed the same as the preceding variety. Pkt. 10c, 100 seeds 30c.

DORYANTHES PALMERI. A valuable decorative plant from Australia. The plants throw up numerous leaves 5 to 7 feet long, and flowers 10 to 15 feet high, each bearing a large thyrus of deep scarlet flowers. It takes the plants several years to reach the blooming stage, but the young plants are very valuable for decorative pot plants. 25 seeds 25c, 100 seeds 75c.

DRACAENA AUSTRALIS. (Cordyline australis.) New Zealand. 29 feet. A popular plant for pot culture, also for lawns and street planting. Forms a stout branched stem with broad leaves 2 to 3 feet long. Pkt. 15c, oz. 60c.

D. DRACO. "Dragon Tree." Canary Islands. 50 feet. Forms a stout stem crowned with numerous sword-shaped leaves. 10 seeds 10c, 100 seeds 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. 75c.

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

PHORMIUM TENAX. "New Zealand Flax." 6 feet. A fine plant for sub-tropical beds. Large, erect-growing, dark green leaves. Pkt. 15c, oz. 75c.

STRELITZIA NICOLAI. South Africa. 15 to 20 feet. A rare species with large flowers of greenish white, blue and white. Forms a heavy stem and large, broad leaves. Soak the seed in hot water for 24 hours before sowing. It is better to use a little heat in germinating this seed, though it has been grown fairly well without. 10 seeds 25c, 100 seeds $1.00.

YUCCA BACCATA. Arizona. Of low, compact growth, leaves rigid, with thick margined threads. Flower stalks 5 to 8 feet long. Pkt. 15c, oz. $1.00.

YUCCA BREVIFOLIA. "Joshua Tree." California, Nevada and Utah. 20 to 50 feet. A peculiar plant with stout trunk and open crown of arm-like branches. The base bluish growing at the base with minute teeth: flowers greenish white. Growing in sand-dredged groves on desert these strange plants impart a singularly weird appearance to the landscape. Pkt. 15c, oz. 50c.

YUCCA WHIPPLEI. "Mexican Bayonet." California. A magnificent plant with narrow glaucous green leaves. Flower stems 8 to 10 feet high with often two, three and even six thousand waxy, pendulous blossoms. Pkt. 10c, oz. 50c.
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 hardness 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.

The following list, while not extensive, includes the best varieties in their classes and will fill any requirement as to color or type. Please read instructions on second page of cover before ordering.

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.

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.

Los Angeles. Hybrid Tea. A glorious rose of Southern California origin. In color it is distinct 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, 75c.

Louise Catherine Brieslau. 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 Butterfly. Hybrid Tea. A sport from Ophelia which it resembles in general character. Large perfect buds on long stems, brilliant pink shaded apricot and gold. A strong grower and profuse bloomer. Each, $1.00.

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.

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, $1.00.


Irish Elegance. Hybrid Tea. A beautiful single rose; apricot shading to bronze at base. A very popular single rose, owing to its combination of colors. Each, 75c.


CLIMBING ROSES

CHEROKEE. Single. Pure 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 BELLE SIEBRECHT. Tea. One of the best climbing roses. Flowers large, full and double, long pointed buds. Color rich pink. Each, 60c.

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

CLIMBING MADAME CECIL BRUNNER. Polyantha. Rosy pink, salmon center, free bloomer. One of the strongest of the climbing roses. Each, 60c.

CLIMBING KAISERIN. Hybrid Tea. Considered the best pure white climbing rose, continuous bloomer. Each 60c.

CLIMBING SUNBURST. Hybrid Tea. The climbing form of this beautiful yellow rose. Exquisite golden yellow buds borne almost continuously. Each, 75c.

PAUL’S SCARLET CLIMBER. 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 75c.

PINK CHEROKEE. A climbing rose of rare beauty and without doubt one of the finest varieties ever introduced. The beautiful single flowers are produced in great profusion, in color a most charming shade of light pink and deliciously fragrant. The plants are of rampant growth with bright, shining green foliage, and present a magnificent sight when in full bloom. Each, 60c.

CARE AND PRUNING OF ROSES

In planting roses, first spade the ground to a depth of at least 18 inches, mixing in a small amount of well rotted dairy fertilizer. To prevent suckering they should be planted deep, about 3 inches of the budding mark being covered with earth, allowing a small basin at the base of the plant to retain moisture; a mulch of well rotted dairy fertilizer in this basin will hold moisture and at the same time feed the plant.

Roses should be pruned back during their dormant season, any time from late November to early February. Remove the small scraggly growth, leaving only the larger stocky canes that will preserve the symmetry of the bush. Suckers should be removed as soon as appearing at the base of the plant, as they retard the proper growth of the plant and reduce its flowering capacity.
DAHLIAS

All prices on Dahlias and summer flowering bulbs are not postpaid. Add postage only at the rates listed on second page of cover.

Decorative Dahlias

CAROLYN WINTGEN. Salmon pink shading to rose. A lovely flower. Each, 75c.

HALLOWEEN. Buff shading to orange. Perfect stem. Fine as a cut flower. Each, 50c.

KITTIE DUNLAP. American Beauty rose shading to darker in center. Exquisitely formed flower on upright stem, very large. Each, $2.00.

LIBERTY BOND. Flower salmon, tinted rose. Good foliage, upright grower and free bloomer. Each, 75c.

MILLIONAIRE. Flower with darker wings of pink. Wonderfully deep bloom. Each, 75c.

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 flower, 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, $2.00.

YSLETA. Very desirable shading of buff and bronze. Vigorous grower and free bloomer. Each, 50c.

Pompon Dahlias

ACE OF DIAMONDS. The best scarlet. Each, 25c.

DEAREST. Bright rose, silver reverse. Each, 50c.

GLOW. Old rose. A very fine flower. Each, 50c.


SUNNY DAYBREAK. Yellow edged red. Each, 50c.

Cactus Dahlias

BALLET GIRL. Flowers vary from pure orange to many combinations of orange and white on the same bush. Very attractive. Each, $1.00.


DADDY BUTLER. (Hybrid) Pink shaded to cream center. Petals twisted. Each, $1.50.


JEAN CHAZOT. A fine French variety. Orange shaded to copper. Perfect stem and foliage. Each, 1.00.

NIBELUNGENHORT (Hybrid). Old rose blending with salmon and apricot. Very free blooming. Each, 50c.

PINE TRIUMPHANT (Hybrid). Rich pink, usually with tiny white tips. Much used in floral work. Each, $1.50.

F. W. FELLOWS. 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 purpl. Fine for cut flowers. Each, $1.00.

MADAM VARD. Current red shaded to yellow center. Each, 75c.

PERRY WIDENER. Large flowers of striking cherry red on strong stems. Each, 75c.

VIRGINIA HEIRLOOM. One of the largest of the Peony flowered dahlias. Color an exquisite shade of pink. Each, $2.50.


CANNAS

FIREBIRD. Flowers of immense size, often 8 inches across; intense deep scarlet. Each, 25c; doz., $3.50.

HUNGARY. Delicate rose pink, one of the very best. Each, 35c; doz., $2.50.

KING HUMBERT. One of the most magnificent varieties ever introduced. The color is an intense red-dish scarlet. Foliage of enormous size, of a very deep purplish blood shade. Each, doz., $2.50.

MADAME CRROZY. Petals red, edged with gold. Each, 25c; doz., $2.00.

MRS. A. FOSS. Clear salmon pink, fine foliage. Each, 25c; doz., $2.50.

OLYMPIC. Beautiful carmine rose, with lighter shade towards the center. Each, 25c; doz., $2.50.

WYOMING. Scarlet and orange. Each, 25c; doz., $2.50.

SUMMER FLOWERING BULBS

AGAPANTHUS UMBELLATUS. Blue African Lily. Flower stalks 2 to 3 feet high crowned with large umbels of from 20 to 30 sky blue, lily-like flowers. Leaves glossy evergreen leaves. Each, 25c; per doz., $3.50.

AMARYLLIS BELLADONNA MAJOR. "Belladonna Lily." Large rose pink flowers. Blooms in July and August. Each, 25c; per doz., $2.50.

AMARYLLIS BELLADONNA MINOR. Flowers more erect than the preceding. Rose pink with white throat. Blooms in September and October. Each, 35c; per doz., $3.50.

CALADIUM ESCULENTUM. "Elephants' Ear." Large, handsome leaves, often 3 feet long by 3 feet wide, very effective as an indoor plant; requires plenty of water. Each, 25c; per doz., $2.50.

CALLA, WHITE. (Richardia Aethiopica). "Lily of the Nile" or "Calla Lily." Each, 15c; per doz., 1.50.

CALLA, YELLOW. (Richardia Elliottiana). One of the best introductions for many years. Flowers fully as large as the ordinary white variety, but deep, rich, golden yellow; foliage dark green faintly spotted with white. Each, 35c; per doz., $3.50.

GLADIOLUS

Gladiolus thrive in any good garden soil. Prepare the ground by spading in depth of ten to twelve inches. Plant the bulbs eight to ten inches apart and three to four inches deep. Growth of the flowers on a surface with a mulch of well rotted manure will be found very beneficial.

ALICE TIPLADY. Primulinus hybrida. New, one of the most beautiful Gladiolus ever introduced. Color, orange salmon and flame pink, a shade now in great demand in flowers. Excellent for cutting. Each, 15c; doz., $1.50; 100, $10.00.

AMERICA. Soft pink. Each, 10c; doz., 80c; 100, $5.00.

ANNA EBERIUS. Deep velvet purple. Each, 25c; doz., $2.00; 100, $12.00.

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.

E. J. SHAYLOR. 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., $1.00; 100, $7.00.

FLORA. Golden yellow, large flower. Each, 25c; doz., $2.00; 100, $12.00.

HALLEY. Salmon pink. Each, 10c; doz., $1.00; 100, $7.00.

HERADA. Deep mauve. Each, 10c; doz., $1.00; 100, $7.00.

LIL MARCHEL FOCH. Rich pink, very large flowers. Each, 10c; doz., $1.00; 100, $7.00.

LILY WHITE. Snow white. Each, 10c; doz., $1.00; 100, $7.00.

LOS ANGELES. The most beautiful Gladiolus yet produced. Shrimp pink, tinted orange. The nearest ever-blooming. Each, 50c.

MRS. PRANK PENDLETON. Salmon pink with blood red blotch on lower petals. Each, 10c; doz., $1.00; 100, $7.00.

MARY PICKFORD. Creamy white, throat sulphur yellow. Each, 15c; doz., $1.50; 100, $10.00.

NORA. Light violet blue. Each, 15c; doz., $1.50; 100, $10.00.

PRINCE OF WALES. Salmon shaded apricot, extra fine. Each, 10c; doz., $1.00; 100, $7.00.

ROSE GLO. Deep rose. Each, 10c; doz., $1.00; 100, $7.00.

VIRGINIA. Glowing scarlet. Each, 10c; doz., $1.00; 100, $7.00.

SUPREME MIXTURE OF ALL SHAD. This mixture will be found very satisfactory where a mass of mixed color is desired; all first grade bulbs. Each, 10c; doz., 80c; 100, $5.00.

PRIMULUS HYBRIDS. A splendid mixture, mostly in tones running from pale yellow to apricot, buff, pink, and scarlet. The flowers are of good size, slightly hooded, and produced on tall, graceful stems, especially desirable for cutting. Each, 10c; doz., 80c; 100, $5.00.
AGATHAEA COELESTIS. “Blue Daisy.” Perennial. Flowering quite late with useful for beds, borders, rock gardens, and window boxes. In 2½ inch pots, each, 10c; per doz., $1.00; per 100, $7.50.

AJUGA NUTANS. Deep blue violet-like flowers on stalks similar to small Scabious. Fine ground cover under trees. In 2½ inch pots, each, 10c; per doz., $1.00; per 100, $7.50.

ALYSSUM SAXATILE. “Old Dust” Perennial. Excellent for beds and edgings. Flat heads of bright yellow flowers. In 2½ inch pots, each, 10c; per doz., $1.00.


ANTHRIRRHINUM. “Snapdragons.” Perennial. Old-fashioned yr doz. in popular plant in separate colors or mixed. Per doz., $1.00; per 100, $3.00.

AQUILEGIA. “Columbine.” Long spurred hybrids. Each, 20c; per doz., $2.00.

ASTER. Giant Crego and American Beauty. Separate colors or mixed. Per 100, $3.00.

BELLIS. Bedding varieties. Per doz., 75c; per 100, $5.00.

BILBERGIA NUTANS. Numerous slender leaves form the base of drooping, tubular flowers on slender stems, green edged with blue, with bright pink bracts; a peculiar but attractive color combination. A splendid subject for a moist shaded situation. In 5-inch pots. Each, 75c.

CARNATIONS. Well known flavor flowers much used for cutting purposes. In red, white, and pink. 2½ inch pots in each, 15c; per doz., $1.50.

CENTAUREA CANDIDISSIMA. “Dusty Miller.” Silvery foliage plant for beds and edgings. Each 10c; per doz., $1.00.

CHYSANTHEMUM JAPONICUM. Perennial. Well known plants flowering in the fall and early winter. Yellow, pink, white and bronze. In 2½ inch pots, each 25c; per doz., $2.00.

CINERARIA GRANDIFLORA. Large flowered type. In brilliant colors make it easily the most popular of Cinerarias. 4-inch pots, each, 35c; per doz., $2.50. 6-inch pots, each, 50c; per doz., $3.00. For making a display in the garden. Forms strong pyramidal plants 2 to 3 feet high with hundreds of star shaped flowers. Each, 25c; per doz., $3.50.

CONVOLVULUS MAURITANICUS. Perennial trailing plant. Valuable for rock work or hanging basket. Flowers a rich shade of lavender. 2½ inch pots, 25c; per doz., $2.00.

COREOPSIS LANCEOLATA. Large deep yellow. Each 15c; doz., $1.00.

CUPHEA HYSPOSIFOLIA. A half-hardy perennial. Fine for making permanent border. Colors and tubular, 2-inch pots, each, 10c; per doz., $1.00; per 100, $7.50.

CYNOGLOSSUM AMABILE. “Chinese Forget-me-not.” A beautiful perennial from Szechwan, China which succeeds well in our climate. The plants grow 1½ to 2 feet high, producing great quantities of flowers, which makes it a splendid display in the garden and is also desirable for cutting purposes. In 2½ inch pots. Each, 15c; doz., $1.50.

DAHLIA IMPERIALIS. “Mexican Tree Dahlia.” An unusual and very effective large tree-like plant. Each, 25c; per doz., 75c.

DELPHINIUM BELLODANNA. A magnificent strain of Delphinium. Flowers are large and arranged rather loosely on the spike, extending out fully from the main stem. Presents most graceful appearance. Light blue and dark blue. Balled, each, 35c; per doz., $3.50.

DELPHINIUM GIANT MEDAL HYBRIDS. Various shades of Blue. Balled. Each, 35c; per doz., $3.50.

DIGITALIS. “Foxglove.” An old-fashioned flower with long spikes of tubular flowers; shades of purple, lavender, rose and white. In 2½ inch pots, each, 15c; per doz., $1.00.

FESTUCA GLAUCA. A dwarf grass, growing in compact tufts, steel gray. Useful for edgings. In 2½ inch pots. Each, 15c; doz., $1.50.

FUCHSIAS. We have a splendid assortment of the single and double varieties. Each, 6c.

GARLICA SPLENDENS. A lovely, broad-petaled flowers furnish a constant and brilliant display throughout the summer. In orange and lemon colors. 2-inch pots, per doz., 75c.

GERANIUMS, IVY LEAVED. All the popular kinds. Each, 20c; per doz., $2.00.

GERANIUMS, SINGLE AND DOUBLE VARIETIES. All the popular kinds. Each, 20c; per doz., $2.00.

GERBERA JAMESONI HYBRIDA. Beautiful hybrids of the Transvaal Daisy. Each, 50c; per doz., $5.00.

GEUM, LADY STRATHEDEN. New, double, deep rich yellow. In 3-inch pots. Each, 25c; doz., $2.50.

GEUM, MRS. BRADSHAW. Double, bright scarlet. In 3-inch pots. Each, 10c; per doz., $1.00.


HELIOTROPE. Leading varieties. Each, 25c; doz., $2.00.

HELIANTHEMUM. A delicate little plant with tiny leaves. Grows only an inch or so high and spreads out over the ground making a perfect carpet of green. Very effective in a rock work or as ground cover in moist shady situations. In 3 inch pots. Each, 15c.


HERBS. We have a fine stock of English Lavender, French Lavender, Rosemary, French Mint, Rosemary, Sweet Marjoram, Thyme and Savory. In 2½-inch pots, each, 25c; per doz., $2.50.

HELVYRNIKS. Perennial. A favorite old-fashioned flower blooming in various mixed colors. 2½ inch pots, each, 15c; per doz., $1.50.


LANTANA. Leading varieties. Each, 25c; doz., $2.00.

LICORNE REPENTINA. Use for lawns and for covering banks requiring very little water. In flats, $1.50.

LOBELIA. Crystal Palace Compacta. Per doz., 50c; per 100, $3.00.

Lonicera alpiflora. “Mosquito Vine.” A pretty little trailing plant desirable for window boxes or as a ground cover. Flowers small, pink tinged with white, produced in profusion on erect stems, covering the plant. In 3-inch pots. Each, 15c; doz., $1.50.

LOTUS PELICULARIS. A trailing plant with fine, silvery gray foliage and quantities of large, scarlet, pea-shaped flowers. Desirable for hanging baskets, window boxes and rock work. In 3-inch pots. Each, 25c; per doz., $2.00.

MOHAEA RIDHOIDES. A very attractive plant belonging to the iris family. Flowers large on long stems, white with yellow blotch. In gal. cans. Each, 50c.

MYOSOTIS. “Forget-me-not.” Perennial. Bright blue flowers. Does well in moist location. In 2-inch pots, each, 10c; per doz., $1.00.

PAMPAS GRASS. Strong plants in gal. cans. Each, 50c.

PANSY. Giant mixed. Per doz., 50c; per 100, $3.50.

PELARGONIUMS. We have a splendid assortment of varieties. Each, 35c; per doz., $3.50.

PENTSTEMON. Large flowered, mixed colors. Each, 15c; per doz., $1.50.

PETUNIA. Double fringed, mixed colors. Single fringed, mixed colors. Each, 25c; per doz., $2.50.

PHLOX PERENNIAL. We can supply the following splendid varieties: Albion, pure white large trusses; Bridesmaid, pale flesh with deep rose center; Inceptor Eipel, saloon rose; Lothair, dwarf light crimson; Mrs. Jenkins, dwarf pure white; Mrs. Robinson, deep rose. Each, 25c; per doz., $2.50.

POINSETTIA. Strong plants in pots. Each, 50c.
PRIMULA MALACOIDEA. One of the most free-flowering varieties of this favorite flower. Very hardy and one of the best winter flowering plants. Prefers a location of some shade. 10c; each, 25c; per doz., $1.00.

ROCHEA Coccinea. An attractive succulent with large heads of bright scarlet flowers. In gal. cans. Each, 25c; per doz., $2.50.

RUBBECKIA. "Golden Glow." A hardy, fast growing plant with double flowers of a brilliant golden yellow. Grows from stems 5 to 7 feet high. Flowers last a long time in water. Strong divisions. Each, 25c; per doz., $2.50.

SAGINA SUBULARIS. A very fine mossy plant ideally adapted to planting in rockeries or between tiles in walks. In flats, each, $3.50.


SALVIA SPLENDENS. "Scarlet Sage." Valuable for beds and borders. Each 10c, per doz., $1.00.

SCABIOSA COLUMBARIUM. The plants grow 1½ to 2 feet forming bushes, often 2 feet across. The flowers are round to lavender in 2½ inches in diameter and produced in great profusion from early spring to late fall. Each, 25c; each, 50c; per doz., $2.50.

SHASTA DAISY. Alaska, large white. Each 10c, per doz., $1.00.

STOCKS. Nice Giant. Separate colors or mixed. Per doz., 50c; per 100, $5.00.

STATICE PEREZI. Perennial. Small lavender blue flowers produced in panicles, which can be cut and dried and used for bouquets. Deep blue flowers. In gal. cans. Each, 25c; per doz., $2.00.

THALICTRUM DIPTEROCARPUM. Beautiful foliage resembling maidenhair fern; tall graceful stems with small panicles of lilac blooms. Very desirable for cuttings. Each 25c; per doz., $3.50.

VALERIAN. Flower heads are large and of spicy fragrance. Excellent as a border plant and suitable for cutting. Red and pink. Each, 15c; per doz., $1.50.

VERBENA. Mammoth, separate colors or mixed. Each 10c; per doz., $1.00.

VERBENA EKINIOIDES. "Moss Verbena." Perennial or trailing habit with finely cut foliage and great quantities of purple flowers; especially useful for planting in rockeries; requires very little water. In 2½ inch pots. Each, 15c; doz., $1.50.

VINCA MAJOR. Pretty trailing plant with shiny green leaves and pale blue flowers. Each 15c, per doz., $1.50.

VIOLA CORNUTA, PAPILLIO. Delph blue, very free flowering, excellent for bedding. Per doz., 50c; per 100, $3.50.

VIOLETS. Princess of Wales. Deep blue, large flowers. Each 10c; per doz., $1.00.

WINTER WALLFLOWER. The flowers are fragrant and come in a great variety of colors, ranging from cream to purple, sulphur yellow, golden yellow, lilac, mauve, purple and violet. In 2½ inch pots. Each, 25c; doz., $2.00.

California Native Perennial Plants


Asplenium beccarii. "Wild Aster." Flowers pale lavender. Prefers a moist place. In pots, each 15c; doz., $1.50.

Aquilegia trunca. "Columbine." Flowers deep scarlet tipped with yellow. In 2½-inch pots, each, 25c; doz., $2.00.


Coreopsis maritima. "Sea Dabila." Large flowers, 3 to 4 inches in diameter, light canary yellow. In 3-inch pots. Each 25c; doz., $2.00.


Erysimum subnudescens. "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.

FRAGARI A CALIFORNICA. "California Wild Strawberry." Valuable as a ground cover, especially under trees. In 2½-inch pots. Per doz. 75c; 100, $1.00.

Fragaria virginiana. "Sand Strawberry." Glossy green leaves and white flowers. Valuable as a ground cover. In 2½-inch pots. Per doz. 75c; 100, $1.50.

Iris missouriensis. "Western Blue Flag." Grows to 20 inches high; flowers pure white and blue. Prefer a moist situation. Clumps. Each, 50c.


Linum lewisi. "Blue Flax." Grows 1 to 2 feet high from a woody base. Flowers large, sky blue. In 3-inch pots. Each 25c; doz., $2.00.

Lupinus cytisoides. "Canyon Lupine." A magnificent species, often growing 6 feet or more high. It has large, handsome foliage and very long racemes of deep pink or rose-purple flowers. Grows in moist places. In 3-inch pots. Each, 25c; doz., $2.50.

California Native Trees and Shrubs

In the making of 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.

Audibertia nivea. "Button Sage." Small shrub especially valuable for dry places. Pretty silvery grey foliage and lilac blossoms, very beautiful when in bloom on the hillsides. In gallon cans, each 50c.


Berberis Neviniti. "Nevin's Barberry." A very rare and beautiful shrub. Foliage silvery gray 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 50c. In 5-gal. cans. Each 2.00. Balled, fine bushy specimens, each 3.00.


Carpenteria californica. "Tree Anemone." A rare and beautiful shrub. Flowers in clusters, usually of 5 to 7, and occasionally 12 or more; large, pure white with yellow stamens and with a fragrance like the Mock Orange. In gal. cans. Each. $1.00. Balled, 1½ to 2 ft. Each. $2.50.

Ceanothus. "California Wild Lilacs." The Ceanothus is among the most desirable of our native shrubs and particularly useful for planting in dry places. The following are some of the most beautiful species:

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.

Acer macrophyllum. "California Maple." A deciduous tree of great beauty. Leaves large, deeply five-lobed, rich green, pater 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 rooted, February and March, 6 to 7 feet. Each, $3.00.


Ceanothus arboreus 10 months from gallon container
Ceanothus arboricola hybridus—"California Wild Lilac"


C. cyaneus. 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, $1.00. In 5-gal. cans. Each, $2.50.


Cereis occidentalis. "Western Red-bud." Deciduous shrub 8 to 12 feet high. Leaves roundish, light green; flowers pea-shaped, deep red-purple. In gal. cans. Each, $1.00.

Cercocarpus betulaceolus. "Mountain Mahogany." A very graceful shrub. Small wrinkled leaves of rich dark green on long reddish colored stems. Does well in either sun or shade and is a fast grower. One of the most valuable of all evergreen shrubs. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Balled, 1½ to 2½ ft., each $3.00.


Coreopsis gigantea. "Tree Coreopsis." A peculiar plant with stout trunk 3 to 6 feet high and a few arching branches, rich green feathery foliage and yellow daisy-like flowers. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.


Eriogonum fasciculatum. "Wild Buckwheat." Low shrub with short matted leaves. It is excellent for sale valuable for dry banks and flowers in middle of summer. The blossoms are in large heads, white, tinged with pink. In gal. cans. Each, 50c.


Fremontia mexicana. Both the flowers and foliage are larger than those of Fremontia californica. The flowers are also a much darker color, being most orange yellow and are a rich reddish brown on the underside. Also, it appears to be a hardy shrub similar to that of California. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. In boxes, 2½ to 3½ ft., each $7.00 to $10.00.


Juniperus californica. "California Juniper." A shrub or a small tree of spreading habit, found in dry washes. In the young plants the foliage is glaucous blue with later changes to deep rich green. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Balled, 2 to 3 ft. Each, $3.00.

Llloobedrus dcearras. "Incense Cedar." Very symmetrical in growth, compact branching, glaucous underneath, with a pungent yet very pleasing odor. Dark is cinnamon red, forming a very attractive contrast to the glaucous foliage. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Balled, 2 to 3 ft. Each, $3.00. Specimens in boxes, $15.00 to $35.00.


Lupinus arbores. "Yellow Tree Lupine." A shrubby species especially valuable for covering dry sandy slopes. It produces great quantities of rich yellow, fragrant flowers in spring. In pots, each, 25c; doz., $2.50.
Lupinus brittonii, "Britton's Bush Lupine." A shrubby species, 4 to 6 feet high. Flowers in long racemes, deep, rich purple. Very showy and desirable for dry slopes. In pots, each, 75c.

Lupinus longifolius, "Blue Bush Lupine." Very desirable for covering dry, sandy slopes. Flowers abundantly all through the winter and early spring months. It can be planted with the preceding kind, producing a very pretty effect. In pots, each, 25c; doz., $2.50.

Lupinus Paynell, "Paynet's Tree Lupine." It forms large round topped shrubs 4 to 8 feet high from a trunk-like base 3 to 4 inches and sometimes 8 inches in diameter. One large specimen had over 500 flower spikes in bloom at one time. Very handsome silvery green foliage; flowers are produced in racemes 8 to 15 inches long. They remind one of wisteria blossoms and appear in many beautiful shades, 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. The plants bloom in spring and the whole bush blossoms simultaneously. They grow in a heavy reddish clay soil. In small pots, each, 35c.

Prunus integroflos—"Catalina Cherry"

Lyctrum richii, "Catalina Box-thorn." A very handsome shrub with small bright green leaves. Thrives especially well near the ocean and is useful for covering banks, also makes a good hedge. In gal. cans. Each, 75c.

Lyonoanthus floribundus var. asplenifolius, "Catalina Ironwood." A very rare and beautiful tree from the islands off the coast of California. It has beautiful foliage like a fern and large trusses of white blossoms. In gal. cans. Each, $1.50. In 5 gal. cans. Each, $3.00.

Mailestrum fasciculatum, "False Mallow." Shrubs of upright growth, with gray-green foliage and producing in spring immense quantities of small, pale pink blossoms, resembling a single hollyhock. Grows in dry sandy washes. In gal. cans. Each, 75c.

Minimus glutinosus, "Sticky Monkey Flower." Small shrub 2 to 5 feet high. Flowers buff or salmon-colored resembling an azalea in shape. In gal. cans. Each, 50c; doz., $5.00.

Minimus glutinosus. 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.


Minimus puniceus, "Red Sticky Monkey Flower." A species from San Diego county; flowers bright red. In gal. cans. Each, 50c; doz., $5.00.

Monardella gelonioides, "Tree Tobacco." Shrubs or small trees with handsome glaucous leaves and greenish yellow, tubular flowers. One of the best shrubs for planting in dry places. In pots, each, 25c.


Pentstemon coreanum, "Scarlet Honeysuckle." A woody plant, 6 to 8 feet high, flowers orange scarlet. In gal. cans. Each, 50c.

Pinus insignis, "Monterey Pine." The fastest growing of the pine species. They are symmetrical in growth, pyramid shaped; very hardy. An ideal tree where a quick effect is desired. In gal. cans. Each, $2.00. Very fine specimens in boxes, 6 to 12 ft., each $7.50 to $35.00.

Pinus coulteri, "Big Cone Pine." A beautiful tree of perfect symmetry. Foliage firm, dark green, grown roundish with a pointed head. One of the best pines for specimen planting. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Very fine specimens in boxes, 8 to 12 ft., each $7.50 to $35.00.

P. muricata, "Bishop Pine." Forms a roundish or flat topped tree from 40 to 60 feet high. Grows best near the coast. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Specimens, balled or boxed, $3.50 to $25.00.


P. torreyana, "Torrey Pine." Found on the bluffs at Del Mar, in San Diego County; a rather small tree, of spreading habit, needles long and five in a cluster, is sure to succeed well in a seaside location. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Balled, 3 to 5 ft., fine specimens, each, $7.50.

Pinus tuberculata, (P. attenuata.) "Knob Cone Pine." Very similar to Pinus muricata, much better tree for a dry location. Foliage formed in tufts; cones oblong. In gal. cans. Each, 75c. Balled, 2 to 2½ ft., each $2.50; 3 to 4 ft., fine specimens, each $5.00.

Platanus racemosa, "California Sycamore." The most beautiful of all the ornamental deciduous trees. Can be compared to the European Sycamore. Large leaves; bark becomes white as the tree ages. Easily attractive singly or in groups. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.50. Bare roots, February and March, 7 to 8 feet. Each $3.50.


Prunus ilicifolia, "California Wild Cherry." A very attractive shrub or small tree. Crinkly dark green leaves resembling English Holly on a 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, 50c. In 5-gal. cans. Each, $2.00. Balled, 3 to 4 ft., each $3.00. Fine specimens, each $7.50.

Prunus integroflos—"Catalina Cherry." Larger leaves of a lighter green than the California Wild Cherry. Foliage is very glossy, oval in shape and very dense. Particularly attractive specimens. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Balled, 3 to 4 ft., each $3.00. Fine specimens, each $7.50.

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, $2.50; 4 to 5 ft. Each, $3.50. In boxes, 6 to 8 ft., each $7.50 to $12.50.
Quercus agrifolia—"Live Oak"

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.


Symphoricarpos mollis. "Dwarf Snowberry." A low growing deciduous shrub which likes a shady place. In gal. cans. Each, 50c.


Umbellularia californica. "California Laurel" or "Bay." A handsome tree with shining dark green foliage. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Boxed, 4 to 5 feet, $5.00; 5 to 7 feet, $7.50.


Yucca brevifolia. "Joshua Tree." A peculiar plant with stout trunk and open crown of arm-like branches; greenish white flowers. Adapted to hot, dry locations. In gal. cans. Each 75c.


Bank covered with Rhus integrifolia
Ornamental Trees, Shrubs and Vines

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 RUFESCENTH**. 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, 75c. In 5-gal. cans. Each, $2.00. Balled, 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 75c. In 5-gal. cans. Each, $2.50.


**ACER**. "Knife-leaved Acacia." 8 feet. A pretty shrub, with triangular shaped leaves of a glaucous green color and yellow flowers in axillary racemes. In gal. cans. 2 to 3 ft. Each, 75c. In 5-gal. cans. Each, $2.00.

**ACER**. "Silver Wattie." 60 feet. A magnificent rapid growing tree with glaucous, finely cut foliage and covered late in winter with golden-yellow flowers. One of the best for street planting. In gal. cans. 3 to 4 ft. Each, 75c. In 5-gal. cans. Each, $2.00.


**ACER**. "A. gallicus." 75 feet. A very rapid growing species of pendulous habit, long, narrow leaves; flowers light yellow. In gal. cans. 2 to 3 ft. Each, 60c. In 5-gal. cans. Each, $2.00.

**ACER**. "Pendula." 75 feet. A very rapid growing species of pendulous habit, long, narrow leaves; flowers light yellow. In gal. cans. 2 to 3 ft. Each, 60c. In 5-gal. cans. Each, $2.00.


**ACER**. "Podalyriaefolia." A very rare and beautiful shrub, somewhat similar to A. cultriformis, but with larger leaves and larger flowers which are produced in immense quantities. In gal. cans. 2 to 3 ft. 75c.


**ACACIA PRAVISSIMA**. 20 feet. Large upright growing shrub with long drooping branches, flowers soft yellow. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.

**ACER**. "Prunosa." 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 nearly black in color; flowers pale yellow. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.


**ACER**. "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. 3 to 4 ft. Each, 75c. In 5-gal. cans. Each, $2.00.

**ANGOPHORA LANCEOLATA**. A tall spreading tree, with clean, smooth bark, much resembling a eucalyptus, to which it is closely related. It is valuable for planting for ornamental purposes, as single specimen trees. In gal. cans. Each, 75c.

**ARBUTUS UNEDO**. "Strawberry Tree." A very desirous shrub with beautiful deep scarlet flowers, the fall the plants are covered with both blossoms and fruit; the latter in appearance like strawberries. In gal. cans. Each, 75c.


**BETULINA**. 3 feet. A beautiful shrub with many slender branches, drooping towards the ends. The foliage is dark green, pinnate, 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, 75c.

**BILINNAE**. A valuable shrub of late introduction. The plants form low spreading clusters, only a foot or so high, but with several feet of spread, completely covering the ground with a dense mass of small, bright green foliage, which turns a rich reddish brown in fall. The flowers are in clusters, golden yellow and followed by salmon-colored berries. In gal. cans. Each, 75c.

**BUDDLEA ASIATICA**. 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, 75c. In 5-gal. cans. Each, $2.00.

**BUCHELEHIA MAGNIFICA**. Similar to B. asiatica, only larger foliage and large spikes of purple flowers. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.50.

**CALLISTEMON LANCEOLATUS**. A very pretty shrub, large lanceolate leaves long, bright red when young. Bright red flowers born on spikes. In gal. cans. Each, 75c.


**CAMPHORA OFFICINALIS**. "Camphor Tree." China and Japan. 40 feet. A very tall, symmetrical growing tree, with bright green, glossy leaves, the young foliage being of a pleasing delicate rose color. Well adapted for street planting. In gal. cans. 2 to 3 ft. Each, 75c. In 5-gal. cans. Each, $2.00.

**Calendaris Grandiflora**. A very handsome shrub with glossy green foliage and fragrant blossoms followed by large, red, edible fruits. In gal. cans. Each, 75c.
CASSIA ARTEMISIOIDES. Central Australia. A pretty shrub, with finely cut silvery gray foliage and clear yellow, sweet-scented flowers; will stand any amount of drought. In gal. cans. Each, 75c.


C. TOMENTOSA. Mexico. A quick growing shrub with bright yellow flowers, blooming all through the winter. Very effective. 1 gal. cans. Each, 60c.

CASTARINA STRICTA, "The Oak." Attaining a height of about 75 feet. Of rapid growth, forming a handsome tree, and particularly valuable for planting along roadsides. In cans. 5 ft. Each, 50c.

CATALPA. "Hardy Catalpa." 50 feet. Rapid growing deciduous tree, much used for planting on timber claims. In gal. cans. Each, 60c.


CHAMAECYPARIS LAWSONIANA. See California Native Trees and Shrubs, page 53.

CHOISYA TERNATA. A pretty shrub with bright green, deeply cut foliage and clusters of white, fragrant flowers. In gal. cans. Each, 60c.

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, 60c.

COPROSMA BAUERI. A very handsome low growing shrub. The leaves are almost round, of a clean, glossy green color and have the appearance of having been varnished. It is especially valuable for planting in small beds in gal. cans. 2 ft. Each, 50c.

CORYNOCARPUS LAEVIGATA. Large shrub or small tree, with large, handsome, glossy green, leathery foliage. In gal. cans. Each, 75c.

CORYNILLA GLAUCA. A small shrub with glaucous foliage and quantities of bright yellow pea-shaped flowers. In gal. cans. Each, 60c.

COTONEASTER ANGUSTIFOLIA. A shrub of upright spreading habit, with small narrow foliage and covered during winter with bright orange colored berries. In gal. cans. Each, 75c. In 5 gal. cans. Each, $2.00.


C. PANOSA. Of spreading habit, with many gracefully drooping branches, grey green downy foliage; covered in fall and winter with quantities of bright red berries. In gal. cans. Each, 75c. In 5 gal. cans. Each, $2.00.


GRAPE MYRTLE. See Lagerstroemia.

CRATAEGUS PYRANCANTHA. "Evergreen Thorn," or "Bushing Bush." 10 feet. A thorny, thick-growing, evergreen shrub, with small dark green leaves and white flowers, followed by masses of deep orange-red berries which are particularly attractive remaining on the plant all winter. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.

CRATAEGUS CRENULATA. Similar to the preceding but has narrower leaves and bright red berries. In gal. cans. Each, 50c. In 5-gal. cans. Each, $1.50. In 75-gal. cans. Each, 5 to 4 feet. $1.00.

CRATAEGUS YUNNANENSIS. A very desirable shrub lately introduced from Yunnan, China. It is of low spreading habit, many of the branches being perfectly prostrate. The foliage is rich dark green, and in fall and winter the plants are literally covered with brilliant scarlet covering berries. It is claimed that this shrub probably has no equal. In gal. cans. Each, 50c. In 5-gal. cans. Each, $2.00. Balled, 5 to 6 feet. $2.50.

CUPRESSUS ARIZONICA. "Arizona Blue Cypress." 70 feet. A tree of great scenic value, and without doubt the most slairy of all cypresses. It grows quite rapidly and forms a perfect tree, thriving in almost any soil, standing intense heat and much fire. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00. Balled, 5 to 6 feet. $4.00.

C. MACROCARPA. See California Native Trees and Shrubs, page 53.

C. SEMPERVIRENS, VAR. FASTIGIATA. "Italian Cypress." 75 feet. A tall, tapering tree with erect branches, growing close and parallel with the trunk. Usually used in formal gardens or as hedges. In cans. Each, 50c. Balled, 4 to 5 ft. Each, $3.00; 6 to 7 ft., each, $5.00. Specimens from cuttings, balled, $1.00 per foot.


DORYANTHES PALMERI. Large leaves 5 to 7 feet long with flower stems 8 to 10 feet high bearing a large thyrus 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 cans. Each, 50c.

DRACAENA DRACO. "Dragon Tree." 50 feet. Forms a stout stem crowned with numerous sword-shaped leaves. In gal. cans. Each, 75c.

D. INDIVISA. 30 feet. A decorative plant with long narrow leaves and slender stems. In gal. cans. Each, 75c. Balled, 3 to 4 ft. $3.50; 4 to 5 ft., $5.00.

DURANTA PLUMERI. "Golden Dew Drop." A beautiful shrub with light green foliage and large clusters of pale blue flowers followed by bright yellow berries. In gal. cans. Each, 75c.

ERICA MEDITERRANEANA. "Mediterranean Heath." 4 feet. A densely branching shrub of globular shape with small white flowers. In late winter and spring the plants are a perfect mass of small white blossoms. The best of the Heaths for California. In gal. cans. Each, 75c.

E. MELANTHERA. 4 feet. A very desirable shrub. In late winter and spring the whole plant is literally covered with white flowers. In gal. cans. Each, 75c. Balled, 2 to 3 ft. $1.50.
EUCALYPTUS BOTRYOIDES. "Bastard Mahogany or Bangalay. Stately in appearance, leathery green leaves. Rapid growth; fine for shade or windbreak. In gal. cans. Each, 50c.

EUCALYPTUS CITRIODORA. "Lemon Scented Gum." Large plants for ornamental purposes. In gal. cans, 2 to 2½ ft. Each 50c.

E. CORNUTA. "Yate Tree." A very handsome tree of spreading habit, especially valuable for highway planting. In gal. cans. Each, 50c.

E. CORNUTA VAR. LEHLMANN. Of small compact habit, very ornamental. In gal. cans. Each, 50c.


E. ERYTHROMEA. Forms a large shrub or small tree with light green foliage and large, deep red flowers. In gal. cans. Each, 75c.


E. GLOBULUS. "Blue Gum." A well known tree. In cans, 2 to 3 ft, each 25c. In flats of 100 plants, per flat $3.50.

E. LEUCOXYLON VAR. ROSEA. "Victoria Ironbark." A handsome tree with white bark and quantities of large pink flowers. In gal. cans. Each, 50c.


E. PULVERULENTA. Of rather dwarf habit with opposite, glaucous leaves; very ornamental. In gal. cans. Each, 50c.


E. RUDIS. One of the best for street planting. Large ly planted in irrigated sections on the desert. In gal. cans. Each, 50c.

E. SIDERoxyXON VAR. ROSEA. "Red Ironbark." A handsome tree with drooping branches, silky foliage and deep red flowers. In gal. cans.


E. VIMINALIS. "Manna Gum." An exceedingly handsome tree with long pendulous branches, one of the most picturesque for avenue planting. In gal. cans. Each, 50c.

See full description of the foregoing Eucalyptus trees on pages 42 to 45.

EUGENIA MYRTIFOLIA. "Australian Brush Cherry." A pretty shrub or small tree, It has small, clean bright glossy-green foliage, the young growth often of a reddish color. In 5-gal. cans. Each, 75c.

E. FRAXINUS VELUTINIA. "Arizona Ash." A deciduous tree, largely planted in Arizona and New Mexico for shade purposes, and is of great value, growing quickly, standing both heat and drought remarkably well. Bare roots 5 to 6 ft. Each, $1.50.

FUCHSIA GRACILIS. A very handsome shrub, with rather small attractive foliage and immense quantities of red flowers. In gal. cans. Each, 50c.

FUCHSIA MINIMA. Of rather compact growth, leaves somewhat hairy, flowers rose pink, produced in great profusion. In gal. cans. Each, 50c.

GENISTA CANARIENSIS. A pretty shrub, very effective for planting in groups, being covered in spring with bright yellow flowers. In 5-gal. cans, 2 to 3 ft Each, 60c. In 5 gal. cans. Each, $2.00.


G. MONOSPERRA PENDULA. "Bridge Veil." 10 feet. A rare and handsome shrub with line, drooping, silvery branchlets. The flowers are white and produced in immense numbers. Gal. cans. Each, $1.50.


GREVILLEA ROBUSTA. "Silky Oak." 150 feet. A large tree with pretty fern-like foliage, covered late in winter with ornamental bright crimson flowers. A great source of honey for bees; does well in all parts of California and is one of the most stately trees for yard planting. In gal. cans, 2 to 3 ft. Each, 50c. In 5-gal. cans. Each, $2.00.

G. TELEMANNIANA. A beautiful shrub, especially valuable for planting in dry places. It has pretty feathery foliage and produces a great profusion of bright scarlet flowers. In gal. cans. Each, 75c.

HAKEA ELLIPTICA. Rather compact in habit, growing to a height of 5 or 10 feet. The older leaves are glabrous, while the young shoots and leaves have a silvery or rusty appearance due to the great source of honey for bees; does well in all parts of California and is one of the most stately trees for yard planting. In gal. cans. Each, 75c.

HAKEA LAURINA. (H. eucalyptoides.) 10 feet. A winter blooming shrub, with foliage similar to the Blackwood Acacia, bearing curious, globose heads of red flowers with white stigmas. In gal. cans. Each, 75c.

H. EPILOGA. Of similar habit to the preceding, but has narrow leaves and white flowers. In gal. cans. Each, 75c. In 5-gal. cans, each $2.00.

H. GOEBLENS. A dense shrub attaining a height of 8 to 10 feet, with deeply cut, sharp-pointed leaves and white flowers. In gal. cans. Each, 50c.

HIBISCUS SINENSIS. A beautiful shrub with bright green foliage and large, showy flowers. Single red or double red. In pots. Each $1.00.

HYDRANGEA HORTENSIA. A well known deciduous shrub, with large leaves and immense heads of pink flowers. Values for small beds around a porch or against a wall. One box of heads nearly all summer. In gal. cans. Each, 50c.
HYPERICUM CALYCNUM. Low growing and valuable as a ground cover for shady places; flowers yellow. In gal. cans. Each, 50c.

HYPERICUM HENRY. A pretty shrub with small flowers in loose clusters of bright yellow flowers. In gal. cans. Each, 60c.

H. MOSERIANUM. A low growing shrub, producing quantities of large, yellow flowers with numerous long, showy stamens. Excellent for massing, flowering almost continuously. In gal. cans. Each, 85c.

JACARANDA MIMOSAEOFAL. (J. ovalifolia.) 30 feet. One of the finest of our flowering trees, literally covered with beautiful summer flowers which resemble small pink pea flowers. In gal. cans. Each, 80c.

LAGERSTROEMIA INDICA ROSEA. “Pink Crasp. Myrtle.” A well known deciduous shrub, producing masses of flowers in late spring. Each, 60c.

LAGUNARIA PATENTHON. 20 ft. A small pyramidal tree with ovate leaves, whitish underneath; flowers something like Hibiscus, pale rose color. In gal. cans. Each, 75c.

LAURESTINUS. See Viburnum.

LEONOTIS LEUROUS. “Lion’s Tail.” A small shrub blooming abundantly in summer and fall. Flowers in whorls, yellow, reddish orange. In gal. cans. Each, 80c.

LEPTOSPERMUM LAEVIGATUM. This beautiful shrub does particularly well in California and is very valuable for planting in masses, and for filling up coners and free in the rock garden if laden with a profusion of white blossoms. In gal. cans, each 50c. In 5-gal. cans, each $2.00.

LEPTOSPERMUM AUSTRALIS. “Japanese Tea Tree.” 5 feet. A large shrub or small tree, with glossy dark green, leathery leaves; often used for hedges and stands trimming well. In lots of 100 plants, per 100, $1.50.

L. NEPALENSIS. “Small Leaved Privet.” 10 ft. Much used for hedges in Southern California. Its green foliage can be trimmed in any way desired, making a dense, thick hedge. Leaves small, light green, flowers white, in large sprays. In flats of 100, 80c.

LONICERA NITIDA. “Upright Evergreen Honey-suckle.” A small shrub of recent introduction. It has very small foliage and white flowers followed by small green fruits. In gal. cans. Each, 60c.

MAGNOLIA GRANDIFLORA. 50 ft. One of the finest of American evergreen trees. The leaves are thick, bright green and rusty in the under side; flowers large, waxy white and fragrant. In gal. cans. Each, 150c.

MELALEUCA HETIPILLARIS. “Bottle Brush.” Spreading growth with slender drooping branches covered with small soft green leaves; white flowers. In gal. cans. Each, 50c.


MELIA AZEDARACH UMBRACLIFOLIUM. Texas U. S. Flag Tree. A handsome tree. The branches are erect and in a manner radiating from the trunk with drooping foliage. Bare roots, 4 to 6 ft. each, 3$. Each, 60c.

MUSA ENSETE. “ Abyssinian Banana.” Forms a single stout trunk with immense broad leaves 10 to 15 feet long. In 5-gal. cans. Each, $2.00.

MYRTUS COMMUNIS. Handsome shrub of rather compact growth, with small, glossy green, aromatic leaves. Bears quantities of small white flowers, making it either for single plants for a hedge. In gal. cans. Each 50c.

NANDINA DOMESTICA. “Japanese Nandina.” A small shrub growing about 5 feet, but increasing by new shoots coming up from the root. The leaves are compound, divided into many small leaflets, very graceful, rich red when young, dark green at maturity, but taking on beautiful coppery tones in winter. Gal. cans, each, $1.00. Balled, per foot, $1.00.

OAK. See Quercus.

OLEANDER. A well known and favorite shrub. Double pink and double white. In gal. cans. Each, 75c.

PAKINSONIA ACULEATA. Shrub or small tree. 15 to 25 ft. It has thorny, drooping branches, with long, feathery foliage, and showy yellow flowers. In gal. cans. Each, 75c.

PEPPER TREE. See Schinus.


PINUS CANARIENSIS. “Blue Pine.” 80 ft. A beautiful tree with long pendant needles of a glaucous bluish color. It is a rapid grower, stands drought well and in one of the best pines for California. It has the peculiarities of sprouting from the base when cut or injured, and is not killed off, which is a valuable feature in the reforesting of our mountains. In gal. cans. Each 75c.

PISTACIA CHINENSIS. “Chinese Pistachio.” Round headed symmetrical tree. Very attractive in full fall when the foliage turns a brilliant scarlet. Deciduous. In gal. cans. Each, 75c. In 5-gal. cans. Each $5.00. Bare roots during February, 5 to 6 ft. $1.50; 6 to 7 feet, $2.00.

PITTONSOPHORUM EUCHNIOIDES. 20 ft. A handsome shrub of upright growth, with light green leaves and dark green berries. Very pretty for borders, also as single specimen plants. In gal. cans. Each, 75c.

P. CRASSIFOLIUM. A tall growing shrub, with gray green, downy foliage and small deep red flowers. Thrives especially well near the coast. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.


P. TOHIRA. A handsome shrub, with dark green shiny leaves and white fragrant flowers. In gal. cans. Each, 75c. In tubs, 1½ to 2 ft., $2.50.

P. UNDULATUM. A shrub or small tree, with large lance-shaped, deep green leaves, glossy leaves and white fragrant flowers. It makes a splendid hedge and is very handsome as single specimen plants; also suitable for street trees. In gal. cans. Each, 75c. In 5-gal. cans. Each, $2.00.

PLATANUS ORIENTALIS. “European Sycamore.” Its flat, broad leaves and great size make it an ornamental tree. Leaves bright green, deeply cut. It thrives well in California and is valuable for park and avenue planting. Balled. Each, 4 to 5 ft., each $2.50.

PSEUDOCAPA CAPENSIS. Spreading shrub or half climber producing great quantities of sky blue flowers. In gal. cans. Each, 60c.


PRUNUS BRUMMELLANA. See Liguistrum.


PSIDIIUM GUAYAVA. “Lemon Guava.” Useful as well as ornamental. Fruit yellow, very large. Makes delicious jelly or preserves. In gal. cans. Each, 75c.

QUERCUS AGRIFOLIA. “California Live Oak.” See page 55.

QUERCUS SUBER. “Cork Oak.” A splendid tree of upright growth. A valuable hard wood. It thrives well in California and is desirable for parks or for street planting, and is one of the very best trees for plantations on long countenance sides. In gal. cans. Each, 75c.


CLIMBING PLANTS

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

**AMPELOPSIS SEMIPERVIRENS.** "Evergreen Ampe- lopsis." A beautiful evergreen vine of slender grace- ful appearance. Leaves small, divided into 5 leaflets rich dark green. Each, 35c; per doz., $3.50.

**AMPELOPSIS VESICHI.** (A tricuspidata.) Boston Ivy. A climbing vine for covering walls, chimneys, stone work or board fences. Glossy green foliage, turns bright red in the fall. Each, 25c; per doz., $2.50. In gal. cans. Each, 75c.

**AUSTRALIAN PEA VINE.** (Dolichos lignosus.) A very rapid growing vine, with prettily divided leaves and purple pea-shaped flowers. Valuable for covering up fences quickly; stands the heat well. Each, 25c; per doz., $2.50.

**BIGNONIA CHERERE.** A magnificent climber pro- ducing large, tubular-shaped flowers, blood red with yellow at the base. Each, 75c.

**BIGNONIA MACKENII.** A very hardy, strong grow- ing vine, bright green foliage and pink, trumpet- shaped flowers. Each, 75c.

**BIGNONIA TWEDDIANA.** A very tall growing va- riety of clinging habit, very useful for covering walls, high pillars, etc. Blooms in spring; large canary yellow trumpet-shaped flowers. Each, 75c.

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

**BIGNONIA VIOLACEA.** One of the best evergreen climbers; dark green foliage. Flowers lavender blue, borne in clusters. In gal. cans. Each, 75c.

**BOUGAINVILLEA GLABRA SANDERIANA.** Bloom- when quite young, and is very free flowering; color rich magenta. Each, 75c.

**CLEMATIS MONTANA.** A very desirable vine. Flow- ering in spring, pure white and fragrant. Each, 50c.

**DOUGLAS RUBBER CLEMATIS.** A splendid vine for covering stone or brick walls, to which it fastens itself tightly by means of aerial roots and may be planted in mats of small; dark green leaves Each 25c, per doz. $2.50.

**HARDENBERGIA COMPTONIANA.** (Kennedya com-ptoniana.) Foliage small, composed of three to five leaflets; flowers deep blue, large clusters, intense deep violet. An attractive vine flowering abundantly in winter and early spring. In gal. cans. Each, 75c.

**HEDERA HELIX.** "English Ivy." A well-known climber, with large, thick, shining dark green leaves Each 25c, per doz. $2.00. In gal. cans. each 50c.

**HONEYSUCKLE.** See Loniceras.

**IPOMOEA LEARI.** "Blue Dawnflower." A very rapid grower and a great favorite for covering fences and walls, etc. Large blue flowers and rich green foli- age. Each 25c.

**IVY.** See Hedera.

**JASMINUM OFFICINALE.** "White Jasmine." A rather slow growing vine, with finely divided green leaves, and quantities of white, fragrant, star-shaped flowers. Each, 75c.

**JASMINUM PRIMUM."** A rapid growing vine from China, bearing large white flowers and fragrant rich yellow flowers. It blossoms in winter and spring, when the plants are simply covered with masses of bright yellow flowers. Each, 75c.

**LONICERA HALLIANA.** "Hall's Honeysuckle." Flow- ers white changing to yellow, very fragrant. A splendid vine of rapid growth. Each, 50c.

**MAGNOLVILLES.** "Chili Jasmine." Large white fragrant flowers. Each, 50c.

**MUEHLENBECKIA COMPLEXA.** "Wire Vine." A rapid growing evergreen vine with wily stems and small leaves. Desirable for covering fences, trees, posts, etc. Each, 50c; per doz., $5.00.

**POLYGONUM AUREBERTI.** 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. In gal. cans. Each, 75c.

**SOLANDRA GUTTATA.** "Copa de Oro." A rare vine of rapid growth, with large, handsome foliage and immense, bowl-shaped, deep yellow flowers. Each, $1.50.

**SOLANUM JASMINOIDES.** "Potato Vine." A very rapid growing vine; flowers in clusters, white with yellow centers. Each, 60c.

**SOLANUM WENDLANDII.** Immense clusters of large, lilac, lavender blue flowers, large, handsome dark green foliage. A magnificent plant. Each, $1.00.

**SOLLYA HETEROXYLLA.** "Australian Blue Bell." A thick growing vine, useful for covering banks. Dark, glossy green foliage and quantities of bright blue flowers. Each, 60c.

**TACSONIA MANICATA.** "Scarlet Passion Vine." A splendid climber, producing an abundance of very bright scarlet flowers. Each, 75c.

**TACSONIA MOLISSIMA.** A very handsome appearing vine; large leaves, pink flowers. In gal. cans, each 50c.

**TECOMA JASMINOIDES.** Bright glossy green foliage, white, with purple throat. Each, 75c.

**TECOMA AUSTRALIA.** Thick handsome foliage, flowers creamy white, in great profusion. Each, 75c.

**VITIS CAPENSIS.** "Evergreen Grape." A rapid grow- ing vine, with large handsome foliage. Each, 75c.

**WISTARIA CHINENSIS.** "Chinese Wisteria." A splen- did, rapid growing climber producing long pendulous clusters of pale blue flowers. Budded, each $2.50.
New and Rare Fruits

Desirable for their beauty as Ornamental Plants as well as Economic Values Should be Planted Freely in all Gardens

Avocado

(Peara gratissima)

This splendid tropical fruit has attracted much attention of late in Southern California since it has been successfully grown there. The Pears grow in locations where the orange and lemon thrive. It succeeds best in a deep loamy soil and attains a height from 30 to 40 feet. Each $5.00.


FEUITE. Considered by many the best Avocado yet introduced. The fruit weighs a tripe under a pound and are smooth and green in color. The flavor is very rich. In the laboratories of the University of California this variety was found to contain 36.72 per cent of fat or oil which places it among the best varieties for oil production. The trees are very hardy, of vigorous growth and come into bearing much sooner than most varieties and produce a very heavy cropt. Ripens from January to March, the time of year when Avocados bring the highest price. Baled. 3 to 4 feet. Each $5.00.

PUEBLA. Fruit obovate, dark purple, skin thick, nearly smooth; 10 to 12 ounces. Flesh yellow of rich flavor. A rapid grower and very prolific. Ripens December to February. Baled 3 to 4 feet. Each $5.00.

SHARPLESS. Fruit large, averaging a pound and a half in weight. Skin thick and rought. Coarse, purplish black; flesh of rich flavor. A strong grower and prolific bearer. December to April. Baled 3 to 4 feet. Each $5.00.

SPINKS. Fruit nearly spherical, purplish black, thick skin; 16 to 20 ounces. Flesh cream-colored, of rich flavor. A prolific bearer. Ripens June to September. Baled 3 to 4 feet. Each $5.00.

California Wild Currant

(Ribes granulilum)

Many people have tried to grow the red or white garden currants in this vicinity, only to meet with disappointment. Of course we must look upon them in our catalogues for we have customers in northern California and other parts of the United States, who plant them and where they do quite well, but here in Southern California and in general the currants are a failure. However, we, in Southern California, have found a new and very good variety of Currant which does well under cultivation and is not only worth growing for its fine fruit but also for its value as an ornamental shrub. For several years I have grown the Wild Yellow Flowering Currant for ornamental purposes. It has done so well under different conditions and borne such quantities of fruit that I have decided to list it also for its value as an ornamental shrub. It forms a small shrub, sending up new shoots from the root making quite a large clump. From mid-winter to spring it is covered with a perfect shower of deep yellow flowers, followed by quantities of fruit about the size of the ordinary red currant. When the fruit begins to ripen they turn first a bright amber color, then red and finally black. In the first two stages they are quite tart, but when black, are sweet. They can be picked in any stage and make delicious jelly or currant tarts.

In the wild state it is found growing in light sandy soil, but under cultivation it does well in a variety of soils and some plants in heavy black adobe, grew very well and the second year bore a tremendous crop of fruit. In gal. cans. Each 50c.

Evergreen Raspberry

(Rubus ellipticus)

A giant evergreen raspberry from the Himalaya mountains. The plant grows from 12 to 15 feet high and is a true evergreen, standing 6 to 8 degrees of freezing without injury and is a handsome foliage plant. In spring it produces quantities of fine yellow berries that are delicious for home use but too soft for distant shipments. Strong pot grown plants. Each 60c.

Cherimoyer

(Anona cherimolla)

This is one of the finest fruits ever grown and succeeds well in Southern California. The tree is very handsome, with broad, velvety green foliage, often deciduous during the winter months. It is best suited to a light sandy soil but can be grown on heavy soils providing the drainage is good. The tree ripens free from injury wherever the orange thrives. The fruits, which ripen in spring, are 3 to 5 inches in diameter, heart-shaped, or a grayish brown color and produced in great abundance. The flesh is a white, melting, custard-like pulp of delicious flavor.

Choice Seedling Trees. Grown from seed selected from the largest, free fruiting trees. In gal. cans. Each 75c.

White Sapote

(Casimiroa equitata)

This tree was introduced into California by the early Mexican settlers and several old trees have been bearing here for many years. It forms a handsome spreading tree, with palmate, glossy green foliage, and is extremely drought resistant. It is harder than most semi-tropical fruits, withstanding quite low temperatures and is found in Mexico at altitudes up to 7,500 feet. 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. The trees usually come into bearing when 7 or 8 years old.


Pike. A new variety raised by C. C. Pile of Santa Barbara. Tree of vigorous growth, very ornamental and a heavy bearer. Fruit very large, almost round, of rich flavor. Stock very limited. In 5-gal. cans. Each $5.00.

Feijoa or Pineapple Guava

(Feijoa sellowiana)

These fruit delicious, mingling the flavor of the pineapple, raspberry, and banana, and so aromatic that a few of them will impart a pleasant fragrance to a room. It is somewhat acid and has good cooking qualities. Size about that of an English walnut. Besides being valued for its fruit, it is an ornamental, glaucous-leaved evergreen shrub and very beautiful when in flower. The blossoms have heavy, waxy petals, pure white beneath and shaded to a purplish crimson on the upper side, well meriting a place in the garden for its flowers alone.

Choice Seedlings. Grown from seed selected from the largest free fruiting plants. In gal. cans. Each 75c.

Natal Plum

(Carissa grandiflora)

An interesting shrub from South Africa, worthy of a place in every garden, for ornamental purposes as well as its fruit. Forms a thick growing, thorny shrub a few feet high, with rich, dark green oval leaves. In spring and early summer it is covered with many white fragrant blossoms about an inch and a half in diameter. These are followed by bright red berries about the size of a plum, of a peculiar acid flavor, and make excellent jelly. The shrub is very hardy, and ornamental planted either as a hedge or as a single specimen.

Yellow Strawbery Guava

(Psidium lucidum)

Similar to the red strawberry guava, except in the color of the fruit which is a bright yellow. Generally considered to be of the same hardy red variety. In 2½-in. pots. Each 25c. In gal. cans. Each 75c.
FRUIT TREES AND GRAPE VINES

Almonds
Price, each, 75c.

T. X. L. This variety is highly recommended by those who have grown it. It bears regularly and heavily. The nuts are large and shell easily, no machine being needed, nor is it necessary to bleach them. The tree is a sturdy upright grower.

NE PLUS ULTRA. A rapid grower and heavy and regular bearer. The nuts are large, very long and soft shelled.

Price, each, 75c.

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.

CORNICHON, BLACK. Long, loose bunches; fruits oval, tapering at both ends; flesh firm and of fine flavor; ripens late and is a splendid sort for shipping.

CONCORD. Bunches large and compact; fruits large round and sweet. Each, 25c; per doz., $2.50.

BLACK EMPEROR. Very large bunches, oval in form, black; flesh yellow, with bloom; flesh firm and sweet. An old and popular sort; largely planted for table grapes.

EMPEROR. Bunches very large; fruits large, oblong, deep rose colored. One of the best late varieties for the market. A strong grower and heavy bearer.

MALAGA. Very large bunches, often weighing 10 pounds; fruits very large, oval, yellowish green. A good shipping variety, bringing a high price in the eastern markets. The vine is a strong grower and very productive.

MUSCAT OF ALEXANDRIA. Bunches long and loose shankered; fruits oval, yellowish green, rich flavor. Very largely grown for raisins.

THOMPSON'S SEEDLESS, Bunches very large; fruits greenish yellow, oval, firm and seedless. A rapid grower and enormous bearer.

Price, each, 75c.

EUREKA. Medium size; a good keeper; the best for general use. Each, $2.50.

CHOICE SEEDLINGS, Grown from seed saved from choice large fruited varieties. In gal. cans. Each 75c.

Price, each, 75c.

BOSTON. Of medium size, yellow with red cheek; flesh yellow and of good flavor. August.

STANWICK. Large, pale greenish white, shaded with red; flesh white, rich and juicy.

Price, each $1.50.

MANZANILLO. Large, purplish black, with light colored specks. One of the best commercial varieties, both for picking and oil.

MISSION. Medium size; desirable for picking, either green or ripe; also a good variety for oil. An old standard variety introduced by the Spanish padres and now grown here probably more than any other sort.

Price, each 75c.

MEDITERRANEAN SWEET. Medium size, ripens late. A tree thornless and a good bearer. Each $3.00.

TANGERINE. (Dancy's.) Medium size; very sweet; rich in color and separates easily. Each $3.50.

VALENCIA, LATE. Large, oblong; ripens very late. Each, $2.50.

WASHINGTON NAVEL. The standard variety in California. Fruit large, luscious and seedless; a good bearer and shipper. Each, $2.50.

Price, each, 75c.

BRIGGS' RED MAY. Medium size; greenish white with red cheek; flesh greenish white, melting and juicy. A popular early variety. Middle of June.

EARLY CRAWFORD. Large, oblong; skin yellow, with red cheek; flesh yellow and sweet. Middle of July.

ELBERTA. Very large; bright yellow, with mottled red cheek; flesh yellow, juicy and sweet. One of the best market varieties. Late in July.

Price, each, 75c.

J. H. HALE. Large, highly colored, flesh yellow and of rich flavor. The best peach for general use.
**ORANGE CLING.** Very large, yellow with red cheek; flesh golden yellow, rich and sweet. Late August.

**STRAWBERRY.** Medium size, white with dark red markings; flesh white, sweet and juicy. Early July.

**BURBANK.** Large, red with lilac bloom; flesh deep yellow, very sweet. A strong, vigorous grower; often commences bearing when 2 years old.

**GREEN GAGE.** Medium size, round yellowish green, rich flavor. An old favorite variety. August.

**TANE NASHI.** Very large; green, changing to rich yellow, shaded with reddish purple when ripe and covered with bloom; flesh yellow, firm and sweet; a good bearer. July to October.

**CALIFORNIA SHADE.** Large, green, changing to red, shading to deep crimson. Seedless, good flavor. An old favorite variety. August.

**AUSTRALIAN.** Large, green, changing to red; high quality. Early. Very late, bears well. July to October.

**PALMER.** Large, green; shading to red. Very rich flavor. Very late, bears well. July to October.

**JAPAN.** Very large; bright red; shade to deep crimson. Very rich flavor. July to October.

**KELSEY JAPAN.** Very large; dark red; shading to purple. Rich flavor. July to October.

**POLYNESIAN.** Large, oval, red; shade to deep purple. Rich flavor. July to October.

**POLYCHROME.** Medium size, round yellowish green, rich flavor. An old favorite variety. August.

**SANTA BARBARA.** Large, globular, red with yellow blush; flesh dark red, firm and juicy. Very late, bears well. July to October.

**HIMALAYA CRANDELL.** Very large, yellow with red cheek; flesh pale, rich and juicy; very popular as a table variety. End of August.

**CORY'S.** Large, yellow with red cheek; flesh yellow, rich flavor. A popular variety for drying and canning.

**SAUCER.** Small, flattened at both ends, white with red cheek, flesh white, delicious flavor. One of the best for home use.

**PHILLIPS CLING.** Large, round, yellow, with slight blush on the sunny side. Flesh firm, clear yellow. A favorite for canning.

**Price, each, 75c.**

**Pears**

**PRICE.** Very large, yellow; flesh soft and juicy. Early. Very late, bears well. July to October.

**BARTLETT.** Large, clear, lemon-yellow with soft blush; flesh white, juicy and rich. The most popular variety.

**SECKEL.** Small, brownish green with russet-brown cheek. For rich flavor it has no equal.

**WINTER NELSON.** Medium size, yellowish green, dotted with gray russet; flesh yellowish white, rich and juicy. Especially adapted to a dry, warm climate; a regular bearer, good shipper and keeper.

**Persimmons**

**HACHIYA.** Large, conical, bright red. Flesh yellow, of highest flavor.

**TANE NASHI.** Very large; light yellow, changing to red when fully matured; flesh yellow, seedless, very fine quality.

**Pomegranates**

**WONDERFUL.** Large and very attractive, of the finest quality. Each, 75c.

**Pomelo or Grapefruit**

**MARSH'S SEEDLESS.** Medium size, practically seedless; thin, smooth skin; fine flavor. Each $2.50.

**SMALL FRUITS**

**Blackberries**

**CORY'S MAMMOTH THORNLESS.** A vigorous grower, often making a growth of 30 to 25 feet in one season. The berries are very large, with few seeds, and of delicious flavor. By many considered to be the best blackberry ever introduced. Vines thornless, which is a great advantage. Each 25c; per doz. $2.00.

**CRANDELL'S EARLY.** Large, firm; rich flavor; very early, and one of the best for table use and for canning. Each 15c; per doz. $1.50.

**MAMMOTH.** It bears very early and is exceedingly productive. The fruit is very large, often 2 1/2 inches long, and of delicious flavor. Each 15c; per doz. $1.50.

**HIMALAYA GIANT.** Introduced some years ago from the Himalaya mountains. It is of remarkably rapid growth, the canes sometimes reaching 40 feet in one season. The plants should be trained over a trellis and carefully pruned during the winter. It is a heavy bearer and the berries are large with few seeds and stand shipping well. Each 15c; per doz. $1.50.

**FAY'S PROLIFIC.** Large, deep red; a standard sort. Each 25c; per doz. $2.50.

**Dewberries**

**GARDENA.** Large, glossy black; rich flavor, good bearer. Each 15c; per doz. $1.50.

**Gooseberries**

**OREGON CHAMPION.** Very large; brownish-red, very sweet, a thin, smooth skin; flesh firm and good bearer. Each 25c; per doz. $2.50.

**Guava**

**STRAWBERRY.** Fruit round, deep claret color, of strawberry flavor, often used for preserves; also good for eating in the fresh state. In gal. cans. Each 50c.

**LEMON.** Fruit yellow, pear-shaped; valuable for jellies and preserves. In gal. cans. Each 75c.

**Loganberry**

**LA FRANCE.** The largest fruit of any of the raspberries; fine flavor, heavy bearer. The best for home use. Each 25c; per doz. $2.50.

**Raspberries**

**CAROLINA.** The new strawberry for California. Very early and will bear a crop from 8 to 12 weeks after transplanting. A continuous bearer of fine large red berries and does better in the California climate than the so-called everbearing varieties. Per doz. 25c; per 100 $1.75.

**KLYONDIKE.** Very uniform, rich blood red, juicy and of delicious flavor; a medium early. This variety, of recent introduction and is becoming very popular here. Per doz. 25c; per 100 $1.75.

**Strawberries**

**PRICE, each, 75c.**

**APEX PLUMCOT.** A cross between Apricot and Plum. Large, globular fruit, rich flavor. June.

**BURBANK.** Large red with lilac bloom; flesh deep yellow, very sweet. A strong, vigorous grower; often commences bearing when 2 years old.

**GOLDEN WUGHT.** Medium size, round yellowish green, rich flavor. An old favorite variety. August.

**WICKSON.** Very large, deep cherry red, changing to rich claret color; flesh amber, rich and juicy. This variety was originated by Mr. Luther Burbank and is the cross between Satsuma and Kelsey Japan, and is considered by him one of the best of the Japanese plums.

**Price, each, 75c.**

**FRENCH PRUNE.** Medium size, violet purple; rich flavor. A standard variety.

**SUGAR.** Large, dark purple with white bloom, flesh yellow and sugary. Late July.

**TANGERINE.** Medium size, dark purple; flesh greenish yellow, rich and sweet.

**PINEAPPLE.** Large, flavor has a suggestion of pineapple; a good bearer. Each, 75c.
Complete Equipment for Garden Maintenance

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

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Two-in-One Sprinkler for lawns and shrubbery... $1.10

Perfection Compressed Air Sprayer
Galv.—2-3 gal $6.75; Brass $8.75
" 4" 8.00 " 10.50

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Imported best steel Garden Knives, many sizes, 75c to $2.50

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Keeps the scale carrying Argentine Ant out of fruit and other trees.
1 lb. 60c; 5 lbs. $2.75

Perfection Compressed Air Sprayer

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A treatise describing over a hundred species, with a few notes on their habits and characteristics. Mailed upon receipt of 15c.

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

Bulb Catalogue. Every fall I publish a catalogue of bulbs, giving cultural directions for same. This also contains a large list of flower seeds for fall sowing. Mailed free upon request.

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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 hillsides 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.

Here, too, will be found an assortment of exotic and native trees, plants and shrubs, roses, annual and perennial flowering plants, bedding and border plants, ferns and palms, wherein a most exacting or most trivial desire may be gratified—easily and pleasurably.

Drive out when the planting urge is upon you, or in when driving by.

How to Reach the Nursery and Display Grounds

BY AUTOMOBILE

From Downtown Section. Through Second Street Tunnel out Glendale Boulevard to Riverside Drive, which is just before crossing the river bridge. Turn left to Los Feliz Boulevard and right to nursery.

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.

Eastern and Southeastern Sections. Drive crosstown to Vermont or Western Avenues and follow as above, or through Second Street Tunnel out Glendale Boulevard to Riverside Drive, which is just before crossing the river bridge. Turn left to Los Feliz Boulevard and right to nursery.

Northern and Northeastern Sections. Drive out San Fernando Road to Los Feliz Boulevard, which is three blocks beyond the Pacific Electric tracks in Glendale. Turn left. Nursery is on the right hand side, one long block beyond the Southern Pacific tracks.

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.

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.

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

2969-2999 Los Feliz Boulevard
Telephone Olymnia 3609
Los Angeles