

FREESIAs.

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Ferns, Orchids, and Cacti.

Orcutt Seed and Plant Company, San Diego, California:

Collectors of Native American Seeds and Bulbs.
Growers of Choice Seeds and Plants.
Direct Importers from Mexico, South
America, Australia, and other countries.

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*Fruit and Ornamental Trees,
Cacti, Orchids, Roses and Bulbs,
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AUTHORS WILL DO WELL to
correspond with us about the illustrating and
publishing of work, large or small.

C. R. ORCUTT PUBLISHING HOUSE:
San Diego, California.

CALIFORNIA GROWN BULBS



AMARYLLIS

FREESIA

REFRACTA ALBA.

We have made the growing of this bulb a specialty and can supply from half a million to a million good flowering bulbs the coming season, commencing our shipments about July 1st. We grade the bulbs into five sizes and quote as follows:

Diameter in inches,	Per C	Per M
1/4-3/8	\$ 40	\$3
3/8-1/2	50	4
1/2-5/8	60	5
5/8-3/4	75	6
3/4-7/8	1 00	7

Run of crop from 1/4 inch upward per thousand, \$4. Seed will produce flowers the first Season, per oz., \$1 per lb., \$10,

GLADIOLUS

Fine mixed, Per C, \$2; Per M, \$15
LEMOINEII. Mixed 5; 40

AGAPANTHUS.—African Lily.

UMBELLATUS The Blue African Lily is an evergreen plant that is rapidly becoming very popular, and which grows readily in any kind of rich soil.

The plants we offer are all of blooming size, and are superior to those obtained from Europe. We offer two grades:

	Per doz.	Per 100
Medium sized roots.....	\$1 50	\$10
Large roots.....	2 00	15

UMBELLATUS ALBA The white African Love Flower is a very beautiful plant, forming a striking contrast when grown with the blue flowering varieties. Per doz. \$3.00, Per 100, \$20.

AMARYLLIS (Hippeastrum).

HYBRIDA AMERICANA. It is impossible to name a more magnificent genus of bulbous plants than this. The strain we offer is the offspring of the finest varieties procurable in Europe six years ago, when the parent stock was obtained at a cost of twelve dollars a bulb. Since that time there has been a marked improvement in size and coloring of the flowers each year, which now measure from five to ten inches in diameter, and in richness of color and markings are unequalled.

We have only about one thousand bulbs to offer this season, and we would like these to be as widely distributed as possible throughout America, that the value of our stock may be appreciated. At the exceptionally low prices we have placed on these bulbs to introduce them they should be quickly taken. We offer four sizes.

Per doz. 1 1/4 to 1 1/2 inches diameter,	\$4
" 1 1/2 to 1 3/4 " " "	7
" 1 3/4 to 2 " " "	9
" 2 to 2 1/2 " " "	12

A JOHNSONII. Too well known to require description. We offer three grades
1/4 to 2 inches in diameter, per dozen, \$2 50
2 to 2 1/2 " " 3 50
2 1/2 to 3 " " 5 00



FREESIA REFRACTA ALBA.

CALADIUM.

Elephant's Ears.

C. ESCULENTUM. Foliage immense, of a rich green, showy and tropical in habit. Bulbs, $1\frac{1}{2}$ — $1\frac{1}{2}$ inches in diameter, per dozen, \$1 25
 $2\frac{1}{2}$ — $3\frac{1}{2}$ inches..... 2 50
 $3\frac{1}{2}$ —4 "..... 4 00
 4—6 "..... 5 00

IXIA. African Corn Lily.

These are very nearly hardy and yield an abundance of beautiful flowers of the very brightest colors most exquisite contrasts. Charming for bouquets and vase decoration. Ready for delivery in July. Fine mixed, per C. \$ 75; per M. \$ 6. Seed, per pkt., 10 c.; per cz \$ 2.

ZEPHYRANTHES.

Fairy Lily.

Z. CANDIDA. Flowers pure white; very nice for a border plant. per C. \$ 1; per M. \$ 6
Z. CARINATA. 6; —
Z. ROSEA. 3; 25
Z. SULPHUREA. 6; 55
Z. TREATAEA. 1; 7



IXIA. African Corn Flower.

CYCLAMEN Large flowering variety, per doz., \$2 50
 RICHARDIA AFRICANA Calla Lily.



The White Calla or Lily of the Nile we grow by the acre and we can therefore supply at the very lowest possible prices

— A trial order will convince you that we give the best stock to be had and for the least money. The thoroughly seasoned dormant bulbs we supply will produce finer fls. in greater abundance than bulbs that are kept potted from year to year; it is economy for those desiring flowers to buy our cured bulbs for forcing. —

We offer five grades and quote as follows, giving the diameter in inches: per 100: per 1000:

1— $1\frac{1}{4}$	\$ 3;	\$ 25
$1\frac{1}{4}$ — $1\frac{1}{2}$	4;	35
$1\frac{1}{2}$ —2	$5\frac{1}{2}$;	50
2— $2\frac{1}{2}$	$6\frac{1}{2}$;	60
$2\frac{1}{2}$ —3	10;	90

Calla seed, per lb 3

Black Calla.

See *Arum palestinum.*

(Prices on application.)

R. ALBO-MACULATA. Spotted Calla.

Leaves deep green, freely spotted with white, giving a curious but beautiful aspect to the plant; fls. pure white with black centres; of easy culture from seed—
 1000 seeds \$2
 Bulbs, \$1 to \$2 1/2 dozen; \$6 to \$15 1/2 100.

Tuberoses:

The Tuberose (*Polyanthes tuberosa*) is a deservedly popular flower and thrives excellently with us.
 "California," \$2 1/2 100.

Gladioli:

Unequalled for health, beauty and lasting qualities—
 Burbank's California Strain.
 Set of six var, \$3.



SPOTTED CALLA.



AMARYLLIS JOHNSONII.



SACRED LILY OF CHINA AND JAPAN.

.....CALLED BY THE CHINESE.....

Jos Flower, Flower of the Gods, and Fairy Water Flower:
The Celestial's Emblem of Good Luck.

Narcissus Orientalis, a variety of Polyanthus Narcissus, is a native of northern China and is cultivated widely for the beautiful white flowers with rich orange cups.

Invaluable for pot culture; the Chinese grow them in their living rooms, in fancy "Imari" bowls filled simply with pebbles and water, and the natives compete in growing the finest flowers; the largest and best developed flowers at their New Year's Festival are named "Grand Emperor."

Price, \$6 P C, \$50 P M.

SOME THINGS WORTH HAVING.

Echeveria Desmettiana. One of the most beautiful and symmetrical of plants, rare in cultivation, of a silvery white color. Per 100, \$7

Selaginella Lepidophylla. Resurrection plant, \$4 per 100.

Dionea Muscipula. VENUS FLY TRAP. \$5 per 100.

Romneya Coulteri. "Much has been said of the beauty of this American plant in English periodicals, and it is not difficult to obtain the plant in England. I have not been able to procure it in the eastern states, presumably because the seeds sown had not come up as expected. I would advise those who have sown seeds to wait patiently, for after two winters they are almost sure to germinate." Per oz., \$1; lb., \$12

THE PEACH SCENTED VIOLET—*Viola pedunculata*. One of the finest colored flowers of California. Per oz., \$6

Lathyrus Splendens—Pride of CALIFORNIA. Per oz., \$2

Lathyrus Californicus. A novelty, of great beauty. Per oz., \$2 50

Zauschneria Californica; the CALIFORNIA FUCHSIA. A plant that we believe is quite hardy and worthy a place in any garden. Roots per 100, \$15; seeds per 1000, \$1 Flowers scarlet-vermilion.

Yucca Baccata. Cal. Banana. A fine perennial; produces superb flowers. Plants, small, 25 cents each; blooming size, \$75 per 100. Seeds per oz., 50 cents. See engraving.

Yucca Whipplei. A plant of great grace and beauty as shown in the accompanying illustration. Seeds per oz., 50 cents; plants, small, \$20 per 100; large blooming plants, 100 roots, \$100.

Yucca brevifolia; "YUCCA PALM." Roots, 100 for \$100.

Zygadenus Fremontii You Must Know; CREAMY fls. 100, \$4 50

Dicentra Chrysantha HAS DELICATE FOLIAGE AND SPIKES OF LEMON YELLOW FLOWERS; OFTEN 8 ft. HIGH. SEED, Oz. \$1; ROOTS, 100, \$8.

MANY OTHER GOOD THINGS:::WRITE US FOR PARTICULARS.



YUCCA WHIPPLEI.



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Price, 20 Cents.



\$2.00 a Year.

[Entered at San Diego post-office, in 1887, as second-class mail matter.]

✦ FRESH ✦ SEEDS ✦

—OF—

PALMS AND DECORATIVE PLANTS.

We book orders now and execute them as soon as the seeds arrive, which necessarily will be at different seasons, as the time of ripening varies in different species. Special quotations given for large quantities.

Prices are per 100 seeds, if not otherwise specified.

ACROCOMIA sclerocarpa	\$2 00	GEONOMA gracilis.....	\$1 50
ARALIA Sieboldi.....	1 00	GREVILLEA Banksii... Per packet,	50
ARECA Baueri.....	75	Hillii	1 00
Catechu, Betel Nut Palm.....	2 50	longifolia	1 00
lutescens.....	2 00	robusta, \$10.00 per lb... per oz.	1 00
rubra	1 50	KENTIA Belmoreana	1 00
sapida.....	1 50	Australis.....	2 00
alba.....	2 00	Canterburyana.....	3 50
monostachya.....	2 00	Forsteriana	1 00
ATTALEA compta	2 00	Moorei.....	3 50
excelsa.....	2 50	LATANIA <i>borbonica</i>	50
BRAHEA dulcis	1 50	Commersonii.....	3 00
<i>edulis</i> . See Erythea.		LIVISTONA Australis.....	40
<i>filamentosa</i> . See Washingtonia.		chinensis.....	50
<i>glauca</i> . See Erythea armata.		macrophylla.....	1 50
CARYOTA sobolifera	1 50	MUSA ensete.....	1 50
urens.....	1 00	OREODOXA regia.....	90
CHAMÆDOREA elatior.....	1 00	PANDANUS utilis.....	1 50
elegans.....	1 00	recurva..... Per oz.	1 50
Ernesti-Augusti.....	1 50	PHENIX Canariensis.....	1 50
gracilis	1 50	dactylifera	1 00
Schiedeana.....	2 00	<i>conensis</i> . (P. spinosa).....	2 00
CHAMÆROPS excelsa	1 00	pumila	2 00
fortunei.....		reclinata.....	1 00
humilis	1 00	rupicola.....	1 50
COCOS Australis.....	2 00	sylvestris	1 50
plumosa.....	2 00	tenuis.....	1 00
weddeliana.....	2 00	PTYCHOSPERMA Alexandrae.....	60
CORYPHA <i>Australis</i>	40	Cunninghamiana	2 00
CORDYLINÆ Australis	40	SABAL Palmetto	50
indivisa.....	20	<i>serrulata</i> (<i>Serenoa serrulata</i>)...	50
CYCAS revoluta	2 00	SEAFORTHIA elegans.....	60
DRACÆNA Australis.....	1 00	STEVENSONIA grandifolia	4 00
draco	1 00	THRINAX argentea.....	1 00
indivisa.....	50	radiata.....	4 00
nutans	Per oz. 2 00	WASHINGTONIA filifera	1 00
stricta.....	" 2 00	robusta.....	1 00
ERYTHEA armata	2 00	YUCCA aleefolia..... Per oz.	1 50
<i>edulis</i>	2 00	baccata	" 1 00
EUTERPE <i>edulis</i>	2 00	elata albo-marginata ...	" 1 50
FICUS Australis..... Per packet.	1 00	gloriosa	Per packet. 1 00
Columnalis.....	" 1 00	truncata.....	" 1 00
macrophylla.....	" 1 00	whipplei..... Per oz.	50

(*Synonyms in italics.*)

The Orcutt Seed & Plant Co.

WHOLESALE SEEDSMEN,

SAN DIEGO, CALIFORNIA.

BRODIAEA

Brodiaeas have a small bulb, and grassy leaves. The stalks are erect and slender, leafless, and terminated by a head or umbel of lily-like flowers. All are pretty and some strikingly beautiful. *B. coccinea* and *B. volubilis* are among the finest novelties of recent years, and will with some others take a permanent place as standard bulbs.

Few bulbous plants are more reliable bloomers than Brodiaeas, or more readily adapt themselves to any soil or situation. The bulbs themselves are a recommendation, as they are light, not easily bruised, or at all subject to decay, and can be exposed for months in a hot dry air without the least injury (see cultural directions). Ripe July 1st.

SECTION I. (MILLA, TRITELEIA & § EUBRODIAEA.)

In this section, which includes *Milla*, *Triteleia*, and *Eubrodiaea*, the flowers are borne in umbels on a stiff, erect stem.

	₤ 100.	₤ 1000
Grandiflora. This species has few dark purple waxy flowers, an inch long, showy.	\$1 00	\$6 65
Minor. A miniature of the preceding, being but one or two inches high, with royal purple flowers. A novelty in size.	2 25	15 00
Ixioides. Twelve to twenty inches high, with a close umbel of twenty or more spreading yellow flowers banded on back with brown.	1 00	6 65
Lactea. Flowers white, banded with green, otherwise much like <i>B. ixioides</i> .	1 00	6 65
Laxa. (BLUE MILLA; ITHURIEL'S SPEAR.) A well grown plant of this splendid bulb, has an umbel 8 inches across on a 16 in. stalk, and from 40 to 60 fine tubular flowers, each 1½ inches long, of a beautiful color, blue to a Tyrian purple—darkest when grown in the shade. Takes splendidly to cultivation and forces well. The smallest bulbs will blossom.	1 00	6 65
Peduncularis. Another very fine thing, almost identical in habit with <i>B. laxa</i> , but fewer flowered, and the long pedicels make the umbel frequently 20 to 24 inches across. Flowers very waxy in appearance, porcelain white.	2 25	15 00
Stellaris. A handsome species which cannot be too highly commended. Good bulbs throw up several flower stalks, forming a low star-like clump. The flowers are very bright rich purple with white centers.	1 50	10 00

SECTION II. (CALIFORNIA HYACINTHS.)

In the following (true Brodiaeas) the flowers are in globular heads, with slender stalks.

Multiflora. Produces several stalks of violet flowers; the earliest.	1 50	10 00
Capitata. Early; heads large, lavender color.	1 00	6 65
Congesta. Violet-purple, large heads; 2 to 3 feet high; late.	1 50	10 00

SECTION III. (BREVOORTIA.)

Coccinea. Floral Fire Cracker. The cuts well describe it. One to three feet high. The pendulous flowers 1½ to 2 inches long, rich crimson with pea-green tip. Of this lovely plant it may be said that in beauty, novelty and susceptibility to cultivation it is not excelled.

Very large bulbs, \$3 per hundred. Fine bulbs, \$2 25 per hundred, \$15 per thousand.

SECTION IV. (STROPHOLIRION.)

Volubilis. Twining Hyacinth. This great novelty is a true Brodiaea. Soon after the slender, leafless stems start, and while yet the flower bud is a mere dot, it begins to twine, until when the delicate rose-pink flowers unfold, it is five feet high with a total stem length often of double that. As a novelty it is unique.

Very large bulbs, \$6 per hundred, fine bulbs, \$4 50 per hundred, \$30 per thousand.

Brodiaeas, mixed: A fine mixture. ₤ C, 90c; ₤ M, \$6.

BLOOMERIA

Aurea. Bloomerias are very much like *Brodiaea laxa* in habit. The flowers are spreading, lemon yellow, very delicate, with exerted stamens. Frequently the umbel will contain sixty flowers. Long known but until now too high-priced for large sales. Very fine. \$ 100, \$1 50; 1000, \$10

Clevelandi. A smaller plant, with delicate yellow umbels of fine flowers. \$ hundred, \$3; one thousand, \$20

CALOCHORTUS

SECTION I. (MARIPOSA OR BUTTERFLY TULIPS.)

These beautiful bulbous plants have small bulbs with grassy leaves, stiff, leafy, equally branched stems, six inches to several feet high, bearing from a few to fifteen or twenty flowers. The flowers are erect, cup-shaped and very brilliant. In some the colors are solid or nearly so, but in the many varieties of *Calochortus venustus*, the true Butterfly Tulips, the flowers are in the richest combination of colors, with spots, dots, lines, eyes and hairs to vie with the most brilliant butterfly, making them second to no known flower in brilliancy, and well deserving the name Butterfly Tulip with its Spanish equivalent, *Mariposa* (a butterfly). The bulbs like *Brodiaea* are very easily handled dry, ripening here early in July, excepting where noted (see Cultural Directions).

Splendens.

The type of the species. Very large flowers fully 3 inches across, light lavender at center, shading to lilac, and full of cobwebby hairs. Ripe in July. \$3 per 100, \$20 per 1000

V. ATROVIOLACEA. Has small purple flowers with a dark red spot at base of each petal. Very pretty. Ripe in July. \$3 per hundred, \$20 per thousand.

Venustus.

V. OCULATUS. Two to three feet high when well grown. Petals frequently 2 inches across and 2 inches deep, with open flower 3 inches across. White ground inside with eye-like spots, at center beautifully lined in several colors. Reddish brown outside. A perfect beauty. \$1 50 per hundred, \$10 per thousand. Ripe July 1st.

V. CITRINUS. Exactly like preceding except the ground is lemon yellow. Very highly esteemed. Ripe July 1st. \$1 50 per hundred, \$10 per thousand.

V. PURPURASCENS. In this species we have even a more vigorous grower than in var. *oculatus*. It offsets freely, the offsets blossoming by the third year. It stands a heavier, more clayey soil and more moisture. The flowers are fully 3 inches across, full in outline, purplish lilac outside and at top of petal, creamy white half way, purple at center, beautifully eyed and lined. Ripe July 15th. \$2 25 per hundred, \$15 per thousand.

V. ROSEUS. Rather dwarfed, 6 inches high and flowers seldom 2 inches across, but in coloring the most wonderful. Creamy inside with rose-colored blotch at top of petal, fine eye midway red lines at base, rich carmine without. Ripe August 1st.

Per hundred, \$2 40, per thousand \$18



C. VENUSTUS.

CALOCHORTUS. Continued.

Woodii. This is one of the finest of the Mariposa Tulips, two to three feet high, producing several large and brilliant orange yellow fls., delicately dotted with brown and covered with silky hairs. 7 C, \$4 50; 7 M, \$30.

Luteus. A dwarfed species with small yellow flowers dotted with brown. Ripe July 15th. \$1 50 per hundred, \$10 per thousand.

Nuttalli. This species is perhaps the best known of all having been widely distributed as *C. Gunnisoni*. It is a strong grower, 1 to 2 feet high, flowers large white, banded on back with green. Supply doubtful. I will book orders to be considered cancelled if not filled by Aug. 15. \$3 per hundred, \$20 per thousand.

Leichtlinii A sub-alpine species lacking the vigor of *C. Nuttalli*, although by some botanists described as synonymous. Color the same. Ripe in Sept. Per hundred, \$2 25, per thousand, \$15.

SECTION II (STAR TULIPS.)

These have a single long shiny leaf often a foot long, slender branching stalks bearing many blossoms. In some species globular and pendulous, in others erec-shaped and erect or semi-erect. As the Butterfly Tulip surpasses in brilliancy, the Star Tulip is the perfection of delicacy, and is graceful in every outline. Plants of the woodland.

Albus Fairy Bell. A strong grower, often a foot high and very floriferous. Flowers an inch in diameter, perfect globes of pearly white edged with silky hairs and hanging like bells. Ripe in June. \$1 80 per hundred, \$12 per thousand.



C. PULCHELLUS

Pulchellus Strong growing. Flowers globular and pendant, of good size, rich yellow. This and *C. albus* are the best of the Star Tulips. Ripe in June. Per hundred, \$1 50, per thousand, \$10

CALOCHORTUS. Continued.

Maweanus (or *Cæruleus*) This is in habit like *C. albus*, but more dwarf and the bell-like flowers open, white, filled with silky blue hairs. Very pretty and delicate. Ripe in June. \$1 50 per hundred, \$10 per thousand.

Benthami Is exactly like *C. pulchellus* with open cup-shaped, rich yellow flowers with black spots at base of each petal. It charms every one. Ripe in June. \$2 25 per hundred, \$15 per thousand.

SECTION III.

These Calochorti which are little known are native to wet meadows, very hardy, mostly natives of Oregon and Idaho where they endure considerable cold, or of alpine regions. In habit they are low and flexuous with numerous, open, cup-shaped flowers borne erect, an inch or so in diameter, in solid colors, purple, lilac and white. Among these are *C. Tolmiei*, *C. nitidus*, *C. nudus* and others.

Lilacinus A very pretty species and easily grown, 3 100 3 1000
flowers shading from lilac to purple. _____ \$1 50 \$10 00

MIXED CALOCHORTI These are first class bulbs of some
of the best varieties. Ripe in June. 1 20 8 00

FRITILLARIA.

These are bulbous plants much like Lilies. The stalks are leafy, 6 inches to 4 feet high. Flowers open, pendant bells from few to many. All are graceful and interesting and *F. recurva* is a beauty. Ripe in June.

Biflora A low species with one to many pretty flowers having a greenish brown ground prettily lined. Very easily grown and a free bloomer. 3 00 20 00

Liliacea Exactly like *F. biflora* except that flowers are white and not lined. 3 00 20 00

Lanceolata Tall, with many large flowers curiously mottled in green, brown and yellow. 3 00 20 00

Recurva (*F. recurvata*, *F. recurva* var *pluriflora*.) This very fine species is of robust growth, from five to nine blossoms being common, and as high as 35 being known. The scarlet flowers are between tubular and bell shaped, and as beautiful as most lilies. Growth strong and habit graceful. Becoming immensely popular. Ready July 1st. Very large bulbs 4 50
Bulbs 3/4 inch in diameter and upward, 3 00 20 00

MISCELLANEOUS

CAMASSIA ESCULENTA.

A highly esteemed and well known plant, dark blue flowers. Ready July 1st. 90 6 00

CHLOROGALUM

POMERIDIANUM. Soap Root.

Quite a novelty. Large bulb. Stalk 3 to 8 feet high bearing innumerable small, white, lily-like flowers. Ready July 1st. 4 50 30 00

ANGUSTIFOLIUM. The same but

dwarf in bulb and stalk. Ready July 1st. 4 50 30 00

ERYTHRONIUM

GRANDIFLORUM. (Giganteum)

A beautiful species well described in cut. Two large, beautifully mottled base leaves. Flowers three to thirteen, 2 to 2 1/2 inches across, straw color with orange center. Ready July 1st. Very large bulbs. 3 00

Fine blooming bulbs, 1 50 10 00

HARTWEGII. A very fine new species,

large, light yellow flowers, each borne on a long, slender separate stalk, two to six to the bulb, singular among Erythroniums in this habit. Entirely new and very fine. Ready July 1st. 2 25 15 00

SMITHII. A pretty one-flowered species with white flowers turning purple. Ready August 1st. 3 00 20 00

Trillium sessile Var. *Californicum*. A splendid plant exactly like figure. Petals 3 inches long, pure white. It has a tendency to grow several plants in a clump. 3 00 20 00

LILIUM

[250 at the rate per 1000]

Humboldtii This is the largest of California lilies and very showy. Flowers orange with black spots. Large sized bulbs weigh packed 60 lbs to the 100, medium sized, 30 or 40 lbs to the 100.

Bulbs 9 to 11 inches,	12 50	100 00
Bulbs 7 to 9 inches,	10 00	70 00

Pardalinum Red and orange, brown spotted. This species thrives everywhere in good garden soil and is probably the most vigorous lily grown. It should be widely planted. I offer very fine garden grown bulbs of fine quality and good size.

4 50	35 00
------	-------

Parvum This form of L parvum is like a small L pardalinum, canary yellow, early blooming. Good bulbs,


7 50	50 00
------	-------

Washingtonianum A large lily with pure white, fragrant flowers. 3 to 5 feet high. My supply is of medium sized, very solid bulbs which carry finely. Size 9 to 11 inches, Medium sized,

12 50	
10 00	70 00

Columbianum A very pretty lily much like L Humboldtii but dwarfed.

7 50	60 00
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L Washingtonianum and L parvum are ready in October, the others in September.  My prices are for sound bulbs, safe delivery guaranteed, packed ready for shipment. Carriage at buyer's expense. L parvum, L pardalinum and L Columbianum are light enough to go cheaply by mail or express, the others should be forwarded by freight. By freight in barrels the rate is \$2 50 per 100 lbs from San Francisco to New York. I deliver f. o. b. at San Francisco.

Culture of California Bulbs.

To successfully grow these bulbs in such a climate as California or Oregon, where 15 degrees below the freezing point marks the lowest degree of cold, is the easiest matter possible. No injury from freezing is to be feared under such conditions.

Bulbs should be planted early in the fall. As with tulips a deep soil is to be avoided. If put in the open ground it is better to have a firm packed soil at six inches depth; but large boxes 8 or 10 inches deep and well drained are preferable. In the East or in any cold climate Brodiaeas, Erythroniums and Star tulips are fairly hardy when given good drainage and plenty of leaves for protection: but by far the best place is in the cold frame. The very best reports are received from bulbs so treated.

Plant in shallow earthen pans, water sparingly, see that drainage is good, and you can depend on a satisfactory bloom wherever they are planted.


 Don't water continually. Soak up occasionally and leave alone as long as soil is barely moist.

Don't use coarse rank manure, either barnyard or other.

Don't force too much. The longer the growing season the better.

Don't water after blooming—dry off, and if they cannot be kept dry, take up and lay away in a dry place.

Don't think because California is a warm country that the winter climate is hot. The ground is often frozen stiff for a week at a time where these bulbs are native, and heat is to be avoided until the time of blooming. It will not hurt them if the leaves are occasionally frozen stiff.

 **SOILS.** For Brodiaeas, Camassia, and Fritillarias any well drained light soil, sandy loam with a little leaf mold preferable.

Star Tulips do best in loam mixed with coarse river sand, well drained.

Butterfly Tulips do well in a sandy loam or light clay loam, firm around the bulbs. Of all things avoid a rich stimulating soil with these.

Erythroniums need shade and a light well drained soil of which leaf mold is a principal constituent.



ERYTHRONIUM GRANDIFLORUM.





BRODIAEA COCCINEA.



FRITILLARIA RECURVA.



INDIAN QUAMASS
—CAMASSIA
ESCULENTA.



BRODIAEA COCCINEA—Floral Fire Cracker.

TRADE LIST OF CACTI: 1893.

	Per 10	Per 100
AGAVE Americana.....	\$ 3 00	\$12
deserti.....	10 00	50
Pringlei, new.....	15 00	
Shawii.....	10 00	45
stricta.....	5 00	25
Texana.....	2 50	15
ALOE. Different sorts at \$10, \$15 and.....	—	25
variegata, Partridge Breast, each 75c.....	6 00	50
ANHALONIUM Lewinii.....	1 50	12
Williamsii.....	2 00	15
CEREUS Emoryi, Velvet Cactus.....	3 00	25
Berlandieri.....	1 50	8
caespitosus.....	1 00	8
cochal, new.....	5 00	40
Engelmanni.....	3 00	25
enneacanthus.....	1 50	10
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Greggii.....	10 00	75
gummosus, "Pitallia Agria," new.....	12 00	100
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procumbens.....	2 25	7
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stramineus.....	2 00	15
triangularis, cuttings, \$5 to.....	—	8
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viridiflorum.....	—	20
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pulverulenta.....	2 50	18
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cylindraceous.....	5 00	20
Emoryi.....	5 00	40
Lecontei.....	5 00	20
longihamatus.....	5 00	25
Oreuttii.....	5 00	30
polycephalus.....	10 00	75
Scheeri.....	2 50	15
setispinus.....	1 50	8
Simpsonii.....	3 00	15
sinuatus.....	2 00	12
texensis.....	3 00	12
viridescens.....	3 00	12
wislizeni.....	4 00	15
ECHINOCEREUS (included under Cereus)		
ECHINOPSIS Eyriesii \$10, \$15, and.....	—	25
Mulleri, \$5, \$10 and.....	—	15
oxygona, \$10, \$15 and.....	—	25
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Childsii.....	1 50	10
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deserti.....	10 00	50

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Goodrichii	3 00	15
Grahami	1 00	5
macromeris	2 50	15
meiacantha	1 50	8
minima	2 50	15
phellosperma	10 00	50
pusilla	1 00	6
pusilla Texana	1 50	8
Wrightii	1 00	8
OPUNTIA basilaris	3 00	25
Biglovii	1 50	10
clavata	1 50	10
Engelmanni	1 00	6
Ficus-Indica	1 50	10
frutescens	1 00	6
frutescens major	1 00	6
fulvispina	1 00	6
prolifera	1 00	6
serpentina	1 00	6
tuna	1 50	10
tuna-manse	1 50	10
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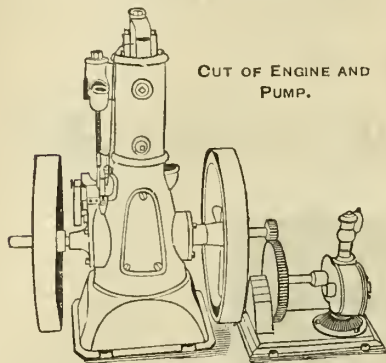
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firma. Japan silver fir	50
grandis. Great silver fir....	40
homolepis. Japanese	1 00
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magnifica. stately in habit	60
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nobilis.	
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floribunda	
latifolia	
melanoxylan	
molissima	
pycnantha	
ACER macrophyllum.....	35
saccharinum. Sugar maple..	25
AESCULUS flava.....	20
glabra. Ohio Buckeye	15
ALANTHUS glandulosus. Tree	
of Heaven	15
AMELANCHIER Canadensis....	20
ARBUTUS Menziesii. Madrona..	50
unedo. Strawberry-bush....	25
ARCTOSTAPHYLOS bicolor....	45
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Manzanita.....	35
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Vaseyi.....	1 00
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CALYCANTHUS Floridus.....	15
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CARPINUS Americanns.....	20
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Libani—Cedar of Lebanon.	
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CERASUS ilicifolia	15
CERCIS canadensis—Amer. Judas tree.	
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Mac Nabiana.....	20
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sempervirens.....	30
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ILEX opaca. American Holly	25	Torreyana Soledad pine	40
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cinerea—Butternut. 7 lb	50	PITTIOSPORUM eugenoides	
nigra—Black walnut. 7 lb	40	nigrescens.	
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communis	15	serotina—Black cherry	25
Virginianus	30	PSEUDOTSUGA Douglasii	30
KALMIA latifolia	1 00	QUERCUS agrifolia.	
LARIX europea—Tyrolean larch.	30	chrysolepis—Golden live oak.	
LIBOCEDRUS decurrens.		dumosa—Chapparal oak.	
LIRIODENDRON tulipifera.	20	Douglasii.	
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grandiflora	30	Palmeri—Holly-leaved oak.	
tripetala—Umbrella magnolia.	25	RHAMNUS carolinus	10
MELIA azedarach—Umbrella tree.	25	Californicus—Cal. wild coffee.	
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Volume VIII.

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