

609

1871



LIBRARY
 RECEIVED
 ★ JAN 31 1931 ★
 U. S. DEPARTMENT OF AGRICULTURE



CALIFORNIA GARDENING

Vegetable Seed Trials

Introducing
 Germain's Sensational Novelty
Sweet Pea "Los Angeles"

Giant Waved Spencer
 Winter Flowering



The
**LOS ANGELES
 SWEET PEA
 COLLECTION**

The assortment contains Six of the latest introductions in novelty Sweet Peas. They are the creations of noted California Specialists in Sweet Pea culture—Masters of the Art—and typify the ultimate in beauty of form and coloring, vigor of stem and vine, freedom of bloom and keeping quality and possess unusual merit for winter forcing.

1.—LOS ANGELES—This outstanding new Sweet Pea is here offered for the first time. It is a product of Germain's and was greeted with enthusiastic admiration at our flower show last season where it was named "Los Angeles" by popular vote at a contest held for that purpose. It is a flower of perfect form and bearing, usually borne in fours on stems of exceptional length and vigor. The vine also is unusually robust; in our trials it has outgrown all others. It is of true winter flowering type; a true Spencer, of immense size and very wavy. Its color is that brilliant rose pink demanded by florists, but it is richer and more even in tone than any we have heretofore seen. It is the third great pink flower to be named "Los Angeles" and is destined to attain the world wide popularity achieved by the Los Angeles Rose and the Gladiolus Los Angeles. Offered in packets only at 50c per packet.

2.—EARLY VALENCIA—One of the finest Sweet Peas in cultivation and unrivalled in its color group. It is a brilliant orange, softer and more pleasing in tone than Orange King. Vigorous with long stems and large flowers. Per packet 25c.

3.—EARLY ORIENTAL—This variety will be hailed by lovers of yellow Sweet Peas. It is the deepest cream yet introduced and in addition it possesses a size and vigor unequal by any other. Under good cultivation, sprays measure over a foot. The flowers are well waved and often throw duplexed standards, making them appear enormous. Per packet 25c.

4.—EARLY MONARCH—A delightfully pure and rich lavender of exceptionally large size and with extra tall heavy stems. Vigor, productiveness and keeping quality are unsurpassed. Per packet 25c.

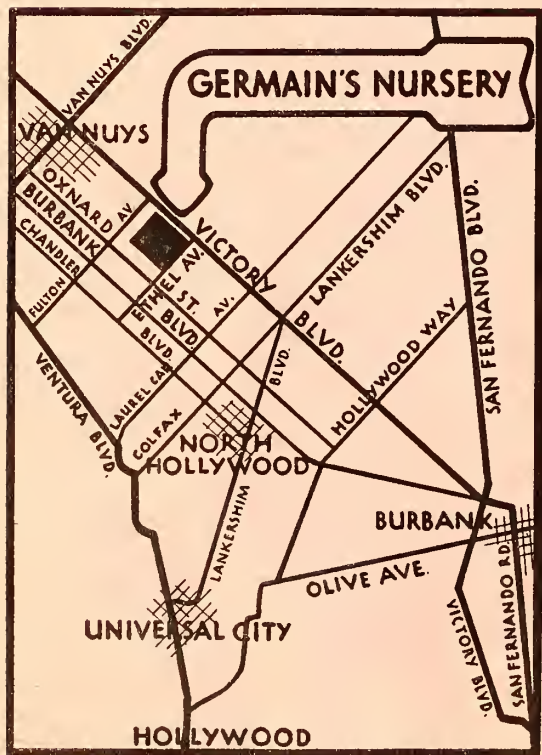
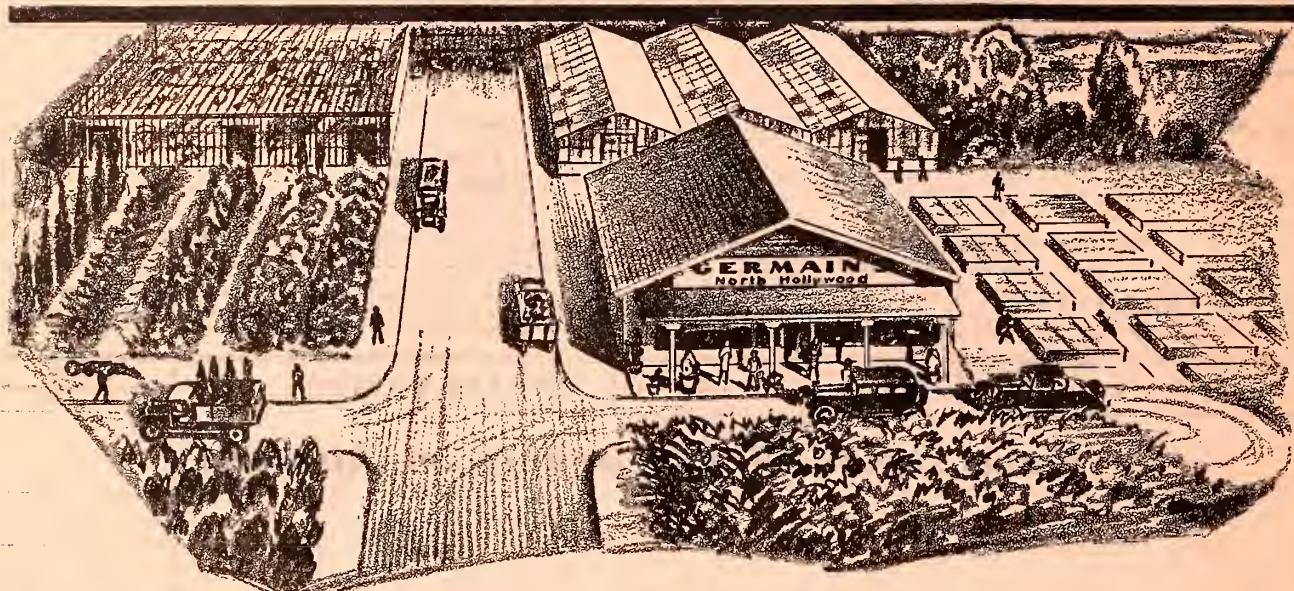
5.—EARLY SUNRAY—One of the most admired novelties of the year. The color is a brilliant, glowing, yet soft cerise. Very clear and heightened by a yellow ground with just the faintest suspicion of orange. The stems are very tall and stout and the blossoms rank among the largest and finest of the newer Sweet Peas. Per packet 25c.

6.—BLUE BONNET—This is our favorite among several new blue Sweet Peas recently introduced. An extra large, fine deep blue unmarred by any trace of mauve. Free flowering and vigorous with long stemmed flowers usually borne in fours. Per packet 25c.

Collection: One Packet each of the above six Novelties, for \$1.50.

An Invitation

to visit Our New Store and Nursery in North Hollywood



How to Get There

The above map shows how conveniently located is the new nursery and seed store in North Hollywood. From Los Angeles, the motorist can choose the closest way from his home—San Fernando Road, Victory Blvd., or Ventura Blvd.

12 Acres of Shrubs, Plants and Flowers

You will be delighted by a visit to the new Germain nursery and seed store in North Hollywood. Besides a complete line of bulbs and seeds, there are on hand plants, shrubs, roses and trees in various stages of growth, ready to plant for the beautification of your home or estate.

Rare Plants from All Over the World

Rare flora from many parts of the world thrive in our Southern California climate. Through their world-wide connections Germain's can offer these exotic plants and shrubs for your selection. See them growing at the new nursery

A Complete Line

No matter what you are going to plant, you will find the seed, seedling, bulb, plant, or tree at Germain's, and there is a complete representation of Germain's stock at the North Hollywood nursery and seed store.

GERMAIN'S

SIXTH AND MAIN - LOS ANGELES
 ETHEL AVENUE, BETWEEN OXNARD AND VICTORY
 NORTH HOLLYWOOD



GERMAIN'S

-in Los Angeles since 1871

60th Anniversary

Sixty Years of Service



...to Gardeners and Growers in California

THE small store pictured on the left at the head of this page shows the birth place of Germain's.

From this humble beginning, three score years ago, has been built the present organization of the Germain Seed and Plant Company recognized to be the leading seed house in Western America.

On reaching this sixtieth milestone along the path of our business life, we take the opportunity again to thank our many customers for their loyal and generous patronage in the past, and to assure them that we will do all in our power to merit their continued confidence in the future.

The seed catalogue shown in our illustration was published by Germain's in 1890. It listed a very comprehensive line of vegetable and field seeds, flower seeds, bulbs and nursery stock, garden implements and accessories and in addition it furnished a wealth of useful information for growers and gardeners. It was then, as Germain's California Gardening is today, the most up-to-date seed book published on the Pacific Coast.

In our present anniversary edition of California Gardening we have spared no effort to present a book that will be of real service to every grower large or small.

It is a book of authoritative information written by our experienced seedsmen with expert knowledge of each subject treated.

The items and varieties offered have been selected with the utmost care and, since a majority of the flower and vegetable seeds used in the United States are grown in California within easy access from Los Angeles, much of the needed information has been gained first hand in our growing fields.

This close proximity to the seed growing centers of California, the greatest in America and, as far as we know, in the world, gives us a priceless advantage in the selection of superior strains and is reflected in the high quality of merchandise sent out by Germain's.

When placing your orders with Germain's you are served by the most complete seed organization in the west with a force of competent men engaged in every branch of the seed business.

Our Trial Grounds—

are an important part of our business. They are situated near Van Nuys in the San Fernando Valley. Here hundreds of tests

are completed annually, in order that the quality and purity of Germain's Premium Vegetable and Flower Seeds may be maintained at their usual high standard.

We Grow Vegetable Seeds—

on a large scale and have a large acreage under cultivation in various parts of the state, producing peas, beans, onion, carrot, tomato, lettuce and other seeds for which California is especially noted.

Our California Flower Seeds—

are grown under the personal supervision of our experts and are unsurpassed in quality and germination. California now supplies almost the total amount of flower seeds used in America.

Roses are a Specialty—

of which we are especially proud. Our rose fields are located in the beautiful San Fernando Valley—the heart of California's rose industry. Here our long growing season, fertile soil and abundant sunshine help us to produce strong, well ripened bushes of a quality that never fails to give our customers complete satisfaction.

Shrubs and Nursery Stock—

are propagated at our Floravista Ranch which is fully equipped with lathhouses, greenhouses, cold frames, warehouses and packing houses necessary to a modern nursery business.

Our Seed Warehouses—

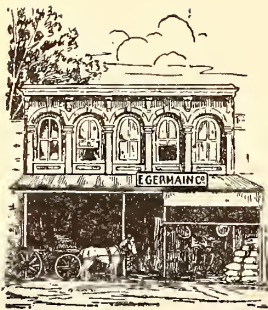
general offices and mail order departments occupy a seven story building in the New Terminal Market Buildings at 7th and Central Avenue in Los Angeles. A feature of the warehouses is our seed cleaning department which is equipped with the most modern and complete battery of cleaning mills on the Pacific Coast.

Our Retail Store—

in Los Angeles is conveniently located opposite the P. E. Depot at 6th and Main Streets. This store is, in many ways, unique. It is different from any other seed establishment and has been called the most interesting store of its kind in America. Here are offered seeds of all kinds, bulbs, nursery stock, cut flowers, implements and garden requisites, garden pottery, aquatics, etc.; and in separate shops off the main store, a full line of pets, dogs, birds, gold fish and all necessary accessories.



GERMAIN'S CATALOGUE IN 1890



GERMAIN'S SEED STORE

Is as Close to You as Your Nearest Mail Box

Shop conveniently—by mail—at the largest seed store in the West.

We prepay transportation charges on all flower seeds, vegetable seeds and grass seeds listed in this catalogue.

HOW TO ORDER BY MAIL

Use the order sheet enclosed in catalogue if possible. In the space reserved for address write your name, post office, nearest express or freight office (if different from post office), County and State. Write plainly to avoid mistakes.

Keep a duplicate copy of your order for comparison.

Remittances may be made by Express Money Order, P. O. Money order or Bank Draft; if you remit in stamps or cash, send in a Registered letter. We must decline sending goods C. O. D. unless 25 per cent of their value accompanies the order.

Free Delivery for Certain Quantities of Seeds

We deliver free, in the United States and Possessions, and Mexico, by Parcel Post or Express at our option, all Vegetable and Flower Seeds by the Packet, Ounce and ¼ Pound, and up to and including ten pounds.

All other articles, including bulbs, are priced F. O. B. Los Angeles and will be forwarded express collect or, if desired by parcel post, postage must be added as per the following table.

Parcel Post Rates Within U. S. and Possessions From Los Angeles, Calif.

Zone	Distance from Los Angeles	1st Lb. or Fraction	Each Additional Lb. or Fraction
1st.	Within 50 miles.....	7c	1c
2nd.	50-150 miles.....	7c	1c
3rd.	150-300 miles.....	8c	2c
4th.	300-600 miles.....	8c	4c
5th.	600-1000 miles.....	9c	6c
6th.	1000-1400 miles.....	10c	8c
7th.	1400-1800 miles.....	12c	10c
8th.	All over 1800 miles.....	13c	12c

Parcel Post—Shipments of seeds, bulbs, tools, plants and garden supplies (excepting certain insecticides containing poisons and all liquids) may be sent by mail to all parts of the United States. We advise forwarding all small orders and packages up to 20 lbs. in this way. For larger shipments express is preferable.

Packages of seed weighing 8 oz. or less can be forwarded anywhere in the United States at a cost of 1½c for each 2 ozs., or fraction thereof.

Insurance Extra. .5c for each package up to \$5.00, 8c up to \$25.00, 10c up to \$50.00.

Shipments of 20 lbs. or over are cheaper if sent by express beyond the third zone.

Like all reputable seed houses Germain's has adopted the standard "non-warranty" clause of the American Seed Trade Association.

Non-Warranty—The Germain Seed and Plant Company gives no warranty, expressed or implied, as to the description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

"It may interest you to know that the eight tree roses which you shipped in September arrived in good order and were planted without the loss of a leaf and we had roses on them three weeks after planting."—Don P. Shockney, Daytona Beach, Florida.

"Have had great success with some of your alfalfa seed. Germain seeds do germinate, no fooling."—Geo. Bradley, Oakdale, Calif.

"I am very much satisfied with the seed of the California Wonder Pepper. My garden this year is the center for vegetable lovers and this is due to your seed that I planted."—Maximino V. Innes, Sinait, Ilocos, Sur., P. I.

"I ordered all my flower seed from you that I planted last spring and I had the most wonderful success with my flowers."—Miss Alberta Calhoun, Dallas, Texas.



A SCREEN CELEBRITY IN ONE OF GERMAIN'S GROWING FIELDS

"My roses arrived today. They were in beautiful condition and the leaves were not wilted even. I am delighted as I was a little fearful to have them shipped so far."—Virginia B. Runyon, S. Nyack, New York.

"I want to say that I have never seen better bulbs for this coast territory of Texas than yours. Two years ago my mother sent me 100 of your bulbs and they are producing about the best Glads in this part of Texas."—N. Dean Tevis, Beaumont, Texas.

"Mother sent me some of your Zinnia seeds last year and though I've raised beauties before, yours sure were a revelation."—Irene M. Wick, Port Washington, New York.

"If everyone has the success that I do with your seeds there should be many lovely California gardens this year."—Helen Naylor Brier, Glendale, California.

GERMAIN'S PLANTING CHART

VARIETY	Seed for 100 ft. row	Seed for 1 acre	Time of Planting	Put Rows Apart	Leave Plts. Apart in Row	Crop Matures in about	Depth of Planting
Artichoke, Globe.....	2 Pkts.	12 oz. T.	October to May	5 ft.	3 ft.	2nd Spring	1 inch
Artichoke, Plants.....	32 Plants	3000 P	Dec. to April	5 ft.	3 ft.	Next Spring . . . .	.....
Artichoke, Jerusalem.....	3 lbs.	300 lbs.	December to May	4 ft.	3 ft.	Late Summer	3 inches
Asparagus Seed.....	1 oz.	2 lbs. T.	February to May	6 ft.	3 ft.	Third Spring	1 inch
Asparagus Plants.....	32 Plants	11000 P	December to May	4 ft.	1 ft.	Next Spring . . . .	.....
Beans, Bush.....	1 lb.	60 lbs.	Jan. to September	3 ft.	6 in.	2 to 3 Months	1 to 2 inches
Beans, Pole.....	3/4 lb.	50 lbs.	Jan. to September	3 ft.	1 1/2 ft.	2 to 3 Months	1 to 2 inches
Beet, Table.....	2 oz.	10 lbs.	All Year	2 ft.	6 in.	3 to 3 1/2 Months	3/4 inch
Beet Stock.....	2 oz.	8 lbs.	September to May	3 ft.	1 ft.	4 to 6 Months	1 inch
Broccoli.....	1 Pkt.	4 oz. T.	Nov. to April	2 1/2 ft.	1 ft.	3 1/2 Months	1/4 inch
Brussels Sprouts.....	2 Pkts.	4 oz. T.	October to May	2 1/2 ft.	1 1/2 ft.	5 Months	1/2 inch
Cabbage, Early.....	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	3 to 4 Months	1/2 inch
Cabbage, Late.....	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	4 to 5 Months	1/2 inch
Carrot.....	1 oz.	4 lbs.	All Year	24 in.	6 in.	4 Months	1/4 to 1/2 inch
Cauliflower.....	1/4 oz.	4 oz. T.	June to January	3 ft.	2 1/2 ft.	4 to 6 Months	1/2 inch
Celery.....	2 Pkts.	5 oz. T.	January to May	3 ft.	6 in.	4 to 5 Months	Very shallow
Celeriac.....	1 Pkt.	6 oz.	January to May	1 ft.	2 1/2 ft.	4 to 5 Months	1/4 inch
Chervil.....	3 Pkts.	1 lb.	Jan. to August	30 in.	5 in.	2 Months	1/4 inch
Chives.....	2 Pkts.	2 lbs.	September to May	30 in.	5 in.	3 to 4 Months	3/4 inch
Collards.....	1 Pkt.	8 oz. T.	All Year	30 in.	15 in.	4 Months	1/2 inch
Chicory.....	2 Pkts.	4 lbs.	September to May	30 in.	8 in.	2 to 3 Months	1/4 inch
Corn Salad.....	1 oz.	5 lbs.	Feb. to Nov.	30 in.	8 in.	2 to 3 Months	1/4 inch
Corn, Sweet.....	1/2 lb.	10 lbs.	March to Sept.	36 in.	12 in.	2 1/2 to 3 Months	1 inch
Cucumber.....	2 Pkts.	2 lbs.	March to Sept.	6 ft.	4 ft.	2 to 3 Months	1 inch
Dandelion.....	1 Pkt.	3/4 lb.	Sept. to April	30 in.	10 in.	3 Months	1/4 inch
Egg Plant.....	1 Pkt.	4 oz. T.	January to August	30 in.	2 ft.	4 Months	1/4 inch
Endive.....	1 oz.	3 lbs.	August to May	30 in.	8 in.	3 Months	1/2 inch
Garlic (sets).....	2 lbs.	300 lbs.	Sept. to March	30 in.	6 in.	5 to 6 Months . . . .	.....
Horse Radish.....	70 Plants	10000 P	December to May	30 in.	18 in.	6 Months . . . .	.....
Kale.....	2 Pkts.	2 lbs.	All Year	30 in.	18 in.	2 to 3 Months	1/4 inch
Kohlrabi.....	1 Pkt.	4 lbs.	All Year	30 in.	6 in.	4 Months	1/2 inch
Leek.....	1/2 oz.	4 lbs.	Sept. to April	24 in.	6 in.	4 Months	1/2 inch
Lettuce.....	3 Pkts.	3 lbs.	All Year	24 in.	8 in.	2 to 3 Months	1/2 inch
Melons, Musk.....	2 Pkts.	1 1/2 lbs.	March to July	6 ft.	4 ft.	3 to 4 Months	1 inch
Melons, Water.....	1 oz.	2 lbs.	March to July	8 ft.	6 ft.	3 to 4 Months	1 inch
Mustard.....	1 Pkt.	2 lbs.	All Year	4 ft.	2 1/2 ft.	3 to 5 Weeks	1/2 inch
Okra.....	1 oz.	8 lbs.	April to July	3 ft.	2 ft.	3 Months	1 inch
Onion seed.....	1/2 oz.	3 lbs.	Sept. to April	24 in.	5 in.	4 1/2 to 6 Months	1 inch
Onion sets.....	2 lbs.	300 lbs.	All Year	18 in.	3 in.	2 to 4 Months . . . .	.....
Onion Seed for Sets.....	2 oz.	40 lbs.	All Year	2 ft.	Drill	2 to 3 Months . . . .	.....
Parsley.....	1 Pkt.	4 lbs.	All Year	24 in.	6 in.	3 Months	Very shallow
Parsnips.....	2 Pkts.	6 lbs.	All Year	30 in.	4 in.	4 Months	1/2 inch
Peas.....	1 lb.	75 lbs.	All Year	36 in.	3 in.	2 to 4 Months	2 inches
Pepper.....	1 Pkt.	6 oz. T.	January to July	36 in.	18 in.	3 to 4 Months	1 1/2 inch
Potatoes.....	5 lbs.	600 lbs.	Dec. to Sept.	36 in.	10 in.	2 to 3 Months	5 inches
Potatoes, Sweet.....	70 Plants	10000 P	March to July	36 in.	18 in.	3 to 4 Months	3 inches
Pumpkin.....	2 Pkts.	2 lbs.	March to August	10 ft.	8 ft.	3 to 4 Months	1 inch
Radish.....	1 oz.	12 lbs.	All Year	18 in.	3 in.	1 to 2 Months	1/2 inch
Rhubarb.....	2 Pkts.	4 ozs.	January to April	5 ft.	3 ft.	2nd Spring	1/2 inch
Rhubarb Roots.....	33 Roots	3000 P	December to May	5 ft.	3 ft.	Next Spring	2 inches
Salsify.....	1 oz.	8 lbs.	February to Oct.	30 in.	4 in.	4 Months	1 inch
Spinach.....	1 oz.	20 lbs.	All Year	24 in.	2 in.	40 to 65 Days	1 inch
Squash, Bush.....	2 Pkts.	3 lbs.	February to Oct.	4 ft.	3 ft.	2 Months	1 1/2 inch
Squash, Running.....	2 Pkts.	2 lbs.	February to Aug.	8 ft.	6 ft.	3 to 4 Months	1 1/2 inch
Tomato, Seed.....	1 Pkt.	3 oz. T.	February to Aug.	5 ft.	3 ft.	4 to 5 Months	1 1/2 inch
Tomato, Plants.....	35 Plants	3000 P	March to Oct.	5 ft.	3 ft.	2 to 3 Months . . . .	.....
Turnip.....	2 Pkts.	4 lbs.	All Year	24 in.	6 in.	3 to 4 Months	1 1/2 inch
Turnip Swede or Rutabaga.....	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months	1 1/2 inch

T.—In the quantity column means these varieties are to be sown in hot bed and transplanted to the field.

FIELD SEEDS	Lbs. per Acre	FIELD SEEDS	Lbs. per Acre	FIELD SEEDS	Lbs. per Acre	SPACING AND NUMBER PLANTS PER ACRE			
						Distance Apart	No. of Trees or Plants per Acre	Dist. Apart	No. of Trees or Plants per Acre
Alfalfa.....	20	Corn (Cont.)		Grass (Cont.)					
Beans Field.....	10	Kaffir.....	6	Sudan Drill.....	15				
Tepary.....	10	Peterita.....	6	Sudan Broadcast.....	20				
Pink.....	30	Milo Maize.....	6	Millets					
Navy.....	20	Egyptian Wheat.....	6	Common.....	30				
Sojo.....	30	Broom.....	15	German.....	30				
English or Broad.....	50	Flax.....	30	Hungarian.....	40				
Bell.....	40	Grain.....		Japanese.....	35				
Small.....		Barley.....	100	Siberian.....	30				
Manchurian.....	50	Oats.....	80	Peas, Field.....	75				
Buckwheat.....	30	Rye.....	60	Canadian.....	75				
Clover		Grass.....		Blue Prussian.....	75				
Alsike.....	10	Alfileria.....	5	Garbanza.....	40				
Burr Clover.....	15	Aus. Salt Bush.....	1 1/2	Lentils.....	40				
Crimson.....	15	Bermuda.....	10	Pea, Cow.....					
Japanese.....	20	Brome.....	20	Whippoorwill.....	60				
Mellotus Indica.....	20	Crested Dogstail.....	30	Blackeye.....	30				
Mellotus Alba.....	15	Ky. Blue for Pstre.....	50	Brabham.....	60				
Red.....	15	Ky. Blue for Lwn.....	175	Vetch, Purple.....	40				
White.....	12	Orchard.....	35	Common.....	40				
Corn		Rye.....	10	Hairy.....	60				
Field.....	10	Red Top.....	15	Hungarian.....	40				
Ensilage.....	75	Timothy.....	20	Peanuts in Shell.....	35				
Egyptian.....	6	Hungarian.....	30	Rape.....	5				
Hegari.....	6	Mesquite.....	35	Rice.....	80				
		Hemp.....	25	Sunflower.....	4				
Catalog Prices Subject to Change Without Notice.									
Due to extremely unsettled conditions in the seed market this year we find it necessary to make all catalog prices subject to change without notice. At all times we shall have in mind our customers' welfare, and prices will be consistent with the market.									
						3 by 4 in.	522,720	6 by 7 ft.	1,031
						4 by 4 in.	392,040	6 by 8 ft.	907
						6 by 6 in.	174,240	6 by 9 ft.	806
						1 by 1 ft.	43,560	6 by 10 ft.	726
						1 1/2 by 1 1/2 ft.	19,360	7 by 7 ft.	888
						2 by 1 ft.	21,780	8 by 8 ft.	680
						2 by 2 ft.	10,890	9 by 9 ft.	537
						2 1/2 by 2 1/2 ft.	6,960	10 by 10 ft.	435
						3 by 1 ft.	14,520	11 by 11 ft.	360
						3 by 2 ft.	7,260	12 by 12 ft.	302
						3 by 3 ft.	4,840	14 by 14 ft.	222
						3 1/2 by 3 1/2 ft.	3,555	15 by 15 ft.	193
						4 by 1 ft.	10,890	16 by 16 ft.	170
						4 by 2 ft.	5,445	16 1/2 by 16 1/2 ft.	160
						4 by 3 ft.	3,630	17 by 17 ft.	150
						4 by 4 ft.	2,722	18 by 18 ft.	134
						4 1/2 by 4 1/2 ft.	2,150	19 by 19 ft.	120
						5 by 1 ft.	18,712	20 by 20 ft.	108
						5 by 2 ft.	4,356	25 by 25 ft.	69
						5 by 3 ft.	2,904	30 by 30 ft.	48
						5 by 4 ft.	2,178	33 by 33 ft.	40
						5 by 5 ft.	1,742	40 by 40 ft.	27
						5 1/2 by 5 1/2 ft.	1,440	50 by 50 ft.	17
						6 by 6 ft.	1,200	60 by 60 ft.	12
						6 1/2 by 6 1/2 ft.	1,031	66 by 66 ft.	10

INDEX

A

Abelia 97
 Abronia 6-43
 Acacia 6
 Aconitum 9
 Acroclinum 43
 Adulmia 42
 Adonis 6
 African Orange Daisies 20
 Agapanthus 104
 Agavea 6
 Ageratum 6
 Agrostis 43
 Alfalfa 82
 Alkanet 7
 Almonds 105
 Alstromeria 104
 Alyceum 38
 Amaranthus 6
 Amaryllis 96
 Amethyst 11
 Ampelopsis 99
 Anchusa 7
 Anemone 42
 Annual Delphinium 25
 Annual Mallow 24
 Annual Poinsettia 31
 Antirrhinum 37
 Antigonon 42
 Apples 105
 Arctics 104
 Aquilegia 7
 Arabis 10
 Aralia 97
 Arbutus 97
 Arctotis 10
 Argemone 42
 Aristolochia 18
 Armeria 10
 Artichoke 49
 Artichoke Plants 106
 Artichoke Jerusalem 85
 Asparagus 106
 Asparagus Roots 49
 Asparagus Ferns 99
 Asters 8-9
 Aubretia 10
 Auricula 10
 Australian Glory Pea 15
 Australian Pea Vine 42
 Avena 22

B

Baby Blue Eyes 43
 Baby's Breath 22
 Bachelor's Button 14
 Balloon Vine 42
 Balsam 10
 Barberry 97
 Barley 88
 Basket Flower 14
 Beans 50-51-52
 Beans, Field 81-85
 Beets 73
 Beets, Sugar 73
 Beets, Stock 73
 Begonia 10
 Bellflower 10
 Bells 12
 Belvedere 24
 Berberis 97
 Bignonia 42-99
 Blackberries 21
 Black-eyed Flower 10
 Blazing Star 43
 Bloomerla 43
 Blue African Lily 104
 Blue Lace Flower 20
 Blue Marguerite 16
 Blue Pentstemon 43
 Boltonia 43
 Borecole 63
 Boston Ivy 99
 Bottle Brush 99
 Bougainvillea 99
 Bouncing Bet 33
 Brachycome 11
 Breath of Heaven 98
 Briza 43
 Broccoli 53
 Brodiaea 43
 Broom Corn 85
 Brom 99
 Browallia 11
 Brush Cherry 98
 Brussels Sprouts 53
 Buckwheat 86
 Buddleia 86
 Bugloss 97
 Butterfly Bush 97
 Butterfly Flower 34

C

Cabbage 54-55
 Callia 11
 Cactus 11
 Caladium 47
 Callimpalis 42
 Candulula 11
 Calif. Bleeding Heart 13
 Calif. Popples 20-43
 Calif. Yellow Violet 43
 Calla Lily 47
 Calliopsis 12
 Callistemon 97
 Cann 12-104
 Canary Hrd Flower 12
 Candytuft 12
 Canterbury Bells 12
 Camellia 97

Campanula 12
 Campion 34
 Carrots 56
 Cardinal Climber 42
 Cardinal Flower 25
 Cardiospermum 42
 Carnations 13
 Carob 97
 Carpathian Harebell 12
 Casaba 65
 Castor Bean 33
 Cape Forget-me-not 7
 Catchesly 37
 Cauliflower 55
 Cedrus 97
 Celery 56
 Celery 57
 Centosia 13
 Centaureas 13-14
 Cerastium 14
 Ceratonia 97
 Cherry 105
 Cherry Pie 23
 Chervil 57
 Chicory 57
 Chimney Bellflower 12
 Chinese Bellflower 24
 Chinese Forget-me-not 16
 Forget-me-not 28
 Chinese Lantern 28
 Chinese Woolflower 13
 Chives 59
 Chloisya 97
 Chrysanthemums 14
 Cigar Plant 16
 Cinerarias 15
 Cinnamon Vine 47
 Citron 66
 Citrus Trees 106
 Clarkia 15
 Clematis 15
 Cllanthus 15-42
 Clover Seeds 78-83-84
 Cluster Lilly 43
 Coboea 42
 Cockscomb 13
 Cois 16
 Coleus 57
 Collards 16
 Collections 18
 Collinsia 16
 Columbine 16
 Cone Flower 33
 Convolvulus 47
 Convolvulus 42
 Coprosma 97
 Coral Bells 23
 Coral Tree 20
 Coreopsis 16
 Corn 58-59
 Corn, Field 37-49
 Corn Salad 59
 Cornflower 14
 Cosmos 15
 Cotonaster 97
 Cover Crop Seeds 81-85
 Cow Peas 35
 Crataegus 97
 Crepe Myrtle 98
 Cress 61
 Cucumber 60
 Cucumber Snake 43
 Cucumis 43
 Cup and Saucer Vine 43
 Cuphea 16
 Cupressus 98
 Currants 106
 Cyclamen 16
 Cydonia 97
 Cynorlossum 16
 Cypress 98
 Cypress Vine 98
 Cytisus 42

D

Dahlias 19-45
 Dame's Violet 23
 Dandelion 61
 Date Palm 98
 Day Lily 104
 Delphinium 19
 Dewberries 106
 Dew Plant 26
 Dianthus 16-38
 Dientra 43
 Didiscus 20
 Diervilla 99
 Diellails 20
 Dimorphotheca 47
 Dioscorea 98
 Diosma 98
 Dodecatheon 42
 Dolichos 43
 Dracaena 98
 Dusty Miller 11
 Dutchman's Pipe 42

E

Egg Plant 61
 Elephant's Ear 43
 Emmenthanthe 43
 Endive 43
 English Daisy 11
 Eragrostis 43
 Erica 98
 Erythrina 98
 Eschscholtzia 20-43
 Eucalyptus 98
 Eugenia 98
 Eulalia 97

F

Fair Maids of France 47
 Fairy Lilies 11
 False Chamomile 47
 Farewell to Spring 43
 Feather Grass 43
 Fence Flower 30
 Ferns 21-99
 Feterita 98
 Fertilizer 78-110
 Festuca 43
 Festucus 13
 Fescue 26
 Ficus 99
 Fig Marigold 26
 Figs 105
 Flame Nettle 27
 Flax 85
 Flora's Paint Brush 11
 Floss Flower 99
 Flowering Sage 33
 Forget-me-not 28
 Fountain Plant 26
 Four o'Clock 26
 Fox Glove 20
 Fuchsia 21
 Fringe Flower 34
 Fruit Trees 105-106

G

Gaillardia 21
 Garden Hardware 107-108
 Garlic 63
 Genista 98
 Gentiana 106
 Geranium 21
 Gerbera 22-104
 Geum 22
 Gillia 22
 Gialdus 22-44
 Globe Amaranth 22
 Gloxinia 22
 Godetia 22
 Golden Glow 104
 Golden Rod 34-104
 Golden Stars 43
 Gomphrena 43
 Gooseberries 106
 Gourds 143
 Grape Fruit 106
 Grape Vine 106
 Grasses, Lawns and Golf Courses 78-80
 Grasses 80
 Grasses, Pasture & Hay 81
 Grevillea 98
 Gum, Blue 98
 Gypsophila 22

H

Hare's Tail Grass 43
 Heather 98
 Heavenly Bamboo 98
 Hedysarum 24
 Helianthus 23
 Helianthus 23
 Helichrysum 43
 Heliotrope 23
 Hemerocallis 104
 Herbs 63
 Hercules Club 43
 Hesperis 23
 Heuchera 23
 Hibiscus 23-98
 Hollyhocks 23-24
 Honesty 24
 Honeysuckle, French 24
 Honeysuckle 24
 Hotkaps 77
 Humulus 42
 Hunnemannia 24
 Hyacinth Bean 42
 Hydrangea 98

I

Ice Plant 26
 Immortelle 43
 Impatiens 24
 Incubators 11
 Indian Shot 12
 Innocence 28
 Insecticides 114-115
 Ipomoea 42
 Iris 101-103
 Ismene 47
 Ivy 99

J

Jacobaea 24
 Japanese Hop 42
 Japan Plume Grass 43
 Jasmine 99
 Jerusalem Cherry 34
 Jerusalem Cross 43
 Jerusalem Star 43
 Job's Tears 43
 Joseph's Coat 6

K

Euonymus 98
 Euphorbia 21
 Everlasting Flowers 43
 Everlasting Pea 42

L

Ladies' Slipper 10
 Lagerstromia 98
 Lambs Lettuce 59
 Lantana 24-98
 Larkspur 21
 Lathyrus 42-43
 Laurastinus 98
 Lavatera 25
 Lavender 25-98
 Lavender Cotton 33
 Lavandula 25-98
 Lavia 43
 Lemon 106
 Lemon Verbena 98
 Leonotis 98
 Leek 65
 Lettuce 28
 Leptospermum 98
 Leptosyne 43
 Liatris 103
 Ligustrum 98
 Lilac 99
 Lilac, California 43
 Liliium 47
 Limnanthes 43
 Linaria 26
 Linaria 37
 Lion's Tail 98
 Lobelia 25
 Loganberries 106
 Loniceria 98
 Love Grass 43
 Love Lies Bleeding 28
 Love-in-a-Mist 28
 Lunaria 24
 Lupine 25
 Lupinus 25-43
 Lychnis 25

M

Madagascar Periwinkle 39
 Madeira Vine 47
 Maiden Hair Vine 99
 Mandarilla 42
 Marguerite 14
 Marigolds 25-26
 Marshmallow 23
 Marvel of Peru 26
 Mathiola 43
 Matricaria Poppy 43
 Matricaria 26
 Meadow Foam 43
 Mellilotus 43-84
 Mentzelia 43
 Mexican Fire Plant 21
 Mexican Orange Bush 97
 Michaelmas Daisies 103
 Mignonette 26
 Mignonette Vine 47
 Millet 85
 Mile Maize 88
 Mimosa 27
 Mimulus 26
 Mina 42
 Mockorange 98
 Monarda 43
 Monkey Flower 26
 Moss's Hood 6
 Montbretia 47
 Moon Flower 42
 Morea 103
 Mourning Bride 34
 Mourning Glories 42
 Moss Verbena 39
 Muehlenbeckia 99
 Mushroom Spawn 65
 Muskmeleon 64
 Musk Plant 24
 Mustard 65
 Myosotis 27
 Myrtle 98
 Myrtus 98

N

Nandina 98
 Nasturtiums 27
 Nectarines 105
 Nemesis 28
 Nemophila 43
 New Zealand Parrot's 11
 Nicotiana 28
 Nicotiana 28
 Nierembergia 28
 Nigella 28
 Night Scented Stock 28
 Nitrogin 110
 Nursery Supplies 110

O

Oats 96
 Ogra 69
 Olanders 42
 Orange 106
 Ornamental Grasses 43
 Orthogalium 47
 Onion 68-69
 Onion Sets 69
 Ox-eye Daisy 14

P

Papyrus 98
 Paris Daisy 14
 Parsley 69
 Parsnips 73
 Passiflora 42
 Passion Flower 42
 Peaches 105
 Peas 83
 Peas 105
 Peas, Field 70-71
 Peas, Mull 110
 Pecan 106
 Peranium 21
 Pentstemon 43
 Pentstemon 28
 Pepper 67
 Pepper Grass 61
 Periwinkle 99
 Peruvian Daffodil 47
 Peruvian Lilly 104
 Perilla 28
 Persimmon 106
 Petunia 30
 Phacelia 43
 Phacelia 42
 Phoenix's Eye 43
 Philadelphus 98
 Phlox 31-104
 Phoenix 98
 Physalis 28
 Pincushion Flower 34
 Pine Plant 67
 Pines 98
 Pinks 18-20
 Pinus 98
 Pittosporum 98
 Plantabbs 110
 Planting Chart 9

Q

Quackgrass 43
 Quince 97-106

R

Radish 74
 Rainbow Maize 43
 Ranunculus 33
 Rape 86
 Raspberries 106
 Red Hot Poker 104
 Reseda 26
 Rhodanthe 67-106
 Rhubarb 67
 Ricinus 33
 Rock Cross 10
 Romney 43
 Rutabackia 76
 Rosa De Montana 42
 Rosemary 34
 Rose Moss 31
 Rose of Heaven 39
 Roses 89-96
 Rudbeckia 33-104
 Rye 86

S

Salpiglossis 33
 Salsify 73
 Salt Bush 86
 Salvia 33
 Sand Verbena 6-43
 Santolina 33
 Saponaria 33
 Saponaria 34-104
 Scarlet Flax 25
 Scarlet Larkspur 43
 Scarlet Sage 33
 Schizanthus 34
 Sea Dahlia 43
 Sea Lavender 43
 Sea Oats 43
 Sea Pink 10
 Senecio 42
 Sensitive Plant 27
 Sesbania 43
 Shasta Daisy 14-104
 Shooting Star 43
 Silene 34
 Small Fruits 106
 Smlax 42
 Snail Vine 42
 Snapdragon 7
 Sneezewort 22
 Snowball 99
 Snow on the Mountain 21
 Solanum 34

Solidago 34-104

Sorghum 88
 Sorrel 33
 Spartium 98
 Spider Lilly 47
 Spinach 75-76
 Spiraea 98
 Sprag Pumps 109
 Sprinklers 108
 Squash 72
 Star of Bethlehem 47
 Statice 43
 Stevia 34
 Stocks 33
 Strawberries 106
 Strawberry Tree 97
 Straw Flower 43
 St. John's Bread 97
 Streptocarpus 34
 Striped Japanese Maize 43
 Sudan Grass 88
 Sultan's Balsam 24
 Summer Cypress 24
 Sunflower 23-86
 Sun Plant 31
 Swan River Everlasting 43
 Swan River Daisy 38
 Sweet Alyssum 38
 Sweet Scabious 34
 Sweet Peas 36-37
 Sweet Rocket 23
 Sweet Sultana 13
 Sweet William 98
 Sword Fern 99
 Sword Lilly 22
 Syringa 99

T

Tagetes 25-38
 Tamarix 99
 Tangerine 106
 Tassel Flower 11
 Tea Tree 98
 Texas Pride 33
 Thalictrum 38
 Thrift 10
 Thunbergia 42
 Tomat Tips 43
 Tomato 76
 Torenia 43
 Tropaeolum 42
 Trumpet Vine 42
 Tuberoses 42
 Tuberoses-flowered Tobacco 28
 Turfed Pansy 39
 Turpentine 24
 Turks Turban 43
 Turnip 75

U

Umbrella Plant 98
 Uniola Latifolia 43

V

Valerian 38
 Valeriana 38
 Vegetable Oyster 72
 Vegetable Plants 106
 Verbena 38-39-98
 Veronica 99
 Vetch 84
 Viburnum 98
 Vinca 39-99
 Violet 39
 Virgin's Bower 42
 Virginia Creeper 99
 Virginian Stock 39
 Viscaria 39

W

Wallflower 39
 Walnut 106
 Wattle 97
 Water Cress 61
 Water Lilies 48
 Watermelon 66
 Wigilia 99
 Wheat 86
 Whispering Bells 43
 White African Daisy 10
 White Daisy 43
 Wigandia 39
 Wild Currumbury Bells 43
 Wild Cucumber 43
 Wild Flower Garden 41
 Wild Heliotrope 43
 Wildflower 6
 Winter Marigold 11
 Wistaria 42-99
 Wolfbane 6
 Woodwardia 99

X

Xeranthemum 43

Y

Youngberry 106

Z

Zea 43
 Zephyranthes 47
 Zephyr Flower 47
 Zinnias 40-41

GERMAIN'S FLOWER SEEDS

Newest and Gladdest of All , , , *The Friendly Guest Garden*

Southern California spreads to the world another charming custom that has to do with flowers — and lots of them.

It is an increasingly popular custom to plant a "Guest Garden" where visiting acquaintances have full privileges, unstinted by any of the at least imagined warnings "don't cut flowers," or "these flowers are under your kindly protection," or even "Keep off the Grass!"

Where grounds are ample for a guest house, then this friendly Guest Garden is planted close by, as shown on the cover page. If there be no room to spare, then a part of the cutting garden is developed for this one specific purpose with the varieties of the season.

And, what makes this guest sanctuary so attractive is that it takes on all the hues of the real and true old-fashioned garden. No attempt is made to group varieties but rather there is a very definite scattering so that whether the plot be great or small, and in season for this



cutting a generous howful beyond words.

plant or that, there are always masses of flowers, to the delight of the guest to whom the host supplies clippers with the cheering advice that "this is your garden to enjoy and to choose flowers to your heart's content."

Think what a Guest Garden means to the "cliff dwellers" of the big cities, to those who for one reason or another cannot have a garden of their own. Realize the additional charm of the home which has such a luring, open-hearted garden.

There are always abundant seedlings left over from the main gardens; always perennials and shrubs that must be moved to make room for newer and wanted things. *Put these old friends into the Guest Garden.* Every planting adds "another racketeer to the riot of color." And, what colorful joy you are adding to your own place — an unheard of privilege for friends to whom the thrill of *with their own hands*, is a delight

SOWING FLOWER SEEDS

In the spring, when the weather has warmed up a bit and the soil is moist and mellow with the winter rains, almost all flower seeds may be planted in the open with every prospect of success.

The seed should be sown in soil deeply dug and well prepared with additional decayed leaf mould, peat or well rotted fertilizer and sand added if convenient. Rake down to a fine even surface, sow the seed broadcast or in rows and cover thinly with finely sifted soil. Press down firm and water carefully.

SOWING IN SEED PANS OR BOXES

Finer flower seeds are usually sown in pots, seed pans or boxes. Always use good rich soil; composed of fine loam and leaf mould, peat or decayed manure. Place plenty of crocks, coal ashes or other coarse material in the bottom of the pans or boxes for good drainage; then fill with finely screened soil and press firm and even with a piece of board. Scatter the seed evenly over the surface and press into the soil. Very fine seeds need no further covering, others may be given a dusting of sand, or a thin layer of fine soil may be sifted over them. Do not cover small seeds more than 2 to 4 times their own thickness. Water carefully with a very fine spray. Place a pane of glass on the pots or boxes and cover with paper or dust the glass heavily with sand until the seedlings appear. Tip the glass a little during the day or remove entirely for an hour every day to allow airing and to prevent damping off. Remove the glass as soon as the seedlings are up. A piece of burlap cut to the size of seed boxes and laid flat on the surface of the soil is often used to prevent too rapid evaporation. Watering is done on the burlap which is removed as soon as germination starts. Do not allow crowding but transplant to other pots or boxes and later to the open ground.

SOWING FOR A SUCCESSION

For earlier bloom seeds are started under the protection of frames or greenhouses or indoors early in the year. The plants are then large enough to set out as soon as the cold weather is over and these early plants may be followed by one or two later sowings in the open in the spring.

Many hardy annuals and perennials may be wintered over, blooming splendidly in spring and early summer. Sowings of these should be made in August and September.

Additional shade and mulching will be needed for seeds started in hot weather while the more tender seeds must be protected from cold when started early in the year.

In California many annual and perennial flowers may be started in the open in fall or early winter for early blooming and require no special protection. Exceptions to this rule are such strictly summer flowers as Zinnias, Asters, Portulaca, Celosias, and a few others, which should not be sown in the open until spring.

Peat Mull. This material is very valuable for mulching, incorporating in soil, etc., and is being used in great quantities by commercial growers. For further information see page 110.

Semesan. A scientific seed disinfectant designed to protect the seed and young seedlings from soil borne diseases. A pinch will treat an ounce of seed, it is therefore very economical to use and insures better success with seeds. See page 114.

GERMAIN'S

Los Angeles - - - - Since 1871



SNAPDRAGON

(*Antirrhinum*)

Abronia

(*Sand Verbena*)

- 2001 **Umlollata**—A low growing annual of trailing habit. The Verbena-like flowers are a pleasing delicate rose color. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places. 30c per ¼ oz. PER PKT.
\$0.10

Aconitum

(*Monk's Hood or Wolfsbane*)

- 2003 **Napellus**—A hardy perennial valuable for planting among shrubs or in shady places and producing handsome spikes of deep blue flowers 3 or 4 feet tall. The seeds which are of slow germination should be given care recommended for perennials. .10

Adonis

(*Pheasant's Eye*)

- 2013 **Aestivalis** (*Flos Adonis*). Pretty annual growing about 1 ft. in height and producing freely its showy crimson flowers with dark center. 30c per ½ oz. .10

Agathea

(*Blue Marguerite*)

- 2016 **Coelestis** (*Amelloides*). Splendid free flowering border perennial, producing almost continuously a wealth of daisy-like flowers of a very attractive shade known as mazarine blue. They are readily grown from seed and bloom the first season. .10

Ageratum

(*Floss Flower*)

Very attractive and popular annual border or bedding plants 9 to 12 inches in height. They are easily raised from seed started early in seed pans or boxes and later transplanted or they may be sown outdoors in spring. The plush-like flowers appear in dense clusters entirely covering the plants and transforming beds and borders into a sheet of bloom, from early summer until frost.

- 2027 **Blue Perfection**. A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. PER PKT.
\$.15
- 2028 **Little Dorrit**. Very dwarf bushes not over 6 inches high densely covered with bright blue flowers; ideal for edging. .15
- 2025 **Imperial Dwarf Blue**. Clear blue, bushy and free flowering, 18 inches. .10
- 2026 **Imperial Dwarf White**. Identical with the above except in color. .10
- 2030 **Imperial Dwarf Mixed**. Shades of blue and pure white, 8 inches, 30c per ¼ oz. .10

Alyssum—See *Sweet Alyssum*.

Amaranthus

Annual plants with strikingly beautiful ornamental foliage. They reach a height of 3 to 5 feet and prefer an open sunny location and rather light soil.

- 2050 **Caudatus** (*Love lies bleeding*). Bright crimson flowers in drooping panicles; 40c per oz. .10
- 2051 **Cruentus** (*Prince's Feather*). Dark red. .10
- 2052 **Melancholicus Ruber**. Leaves deep red. .10
- 2055 **Salicifolius** (*Fountain Plant*). Long undulated foliage; deep green marked with crimson and yellow. .10
- 2056 **Tricolor** (*Joseph's Coat*). Very showy, leaves variegated red, green and yellow; 50c per ½ oz. .10

Anemone

(*Windflower*)

Large brilliantly colored flowers, either single or semi-double and composed of broad curved petals of a rich velvety texture. Perennial plants easily grown from seed, preferably sown where they are to bloom. Start in fall or spring and keep shaded until the seedlings appear. Height 1½ feet.

- 2070 **Germain's Giant French Mixed**. A most beautiful large flowered strain, frequently measuring four inches across and containing beautiful rose and salmon shades as well as the more striking crimson and deep blue colors; 45c per ⅛ oz. PER PKT.
\$.10
- 2071 **St. Brigid Strain**. Very large double and single flowers in a wonderful array of colors. 2 pkts. for 25c. .15
- 2072 **Chrysanthemum Flowered**. A new French strain of remarkable beauty producing large double flowers composed of numerous narrow petals not unlike a well grown Chrysanthemum. .25

SEEDS

California's Best

Anchusa

(Alkanet, Bugloss)

- | | | |
|------|--|---------|
| | | PER PKT |
| 2068 | Capensis (<i>Cape Forget-me-not</i>). This attractive annual variety attains 1½ ft. in height and produces all summer lovely sprays of forget-me-not blue flowers..... | .10 |
| 2069 | Italica Dropmore Variety . One of the best hardy perennials growing to a height of 3 to 5 feet and producing an abundance of flowers in tall loose sprays. The color is a rich gentian blue very effective..... | .15 |

New Giant Snapdragons

(*Antirrhinum Maximum*)

This wonderful new group of Giant Snapdragons far surpasses anything yet introduced. The flowers, closely placed on tall spikes, are of magnificent size—invaluable for garden decoration, they are also incomparable cut flowers of exceptional quality.

- | | | | |
|------|--|------|---|
| 2075 | Apple Blossom . Rosy Pink. | 2084 | The Rose . Rich Rose Pink. |
| 2076 | Cattleya . Lilac, creamy yellow tube. | 2078 | Copper King . Velvety Scarlet with bronze sheen. |
| 2081 | Old Gold . Rich Golden Yellow. | 2090 | Giant Choice Mixture . All colors. |

Price: *Any of the above, 25c per pkt.*
Collection of five separate varieties, \$1.00.

Large Flowering Semi-Tall Snapdragons

Large flowers closely placed on medium sized stems make this strain especially valuable for bedding and as cut flowers.

- | | | | |
|------|--|------|---|
| 2134 | Black Prince . Nearly black; small dark leaves. | 2156 | Golden Queen . Large Golden Yellow. |
| 2139 | Cottage Maid . Delicate pink tinged salmon; white throat. | 2165 | Queen of the North . Pure White. |
| 2142 | Crimson King . Rich Deep Crimson. | 2168 | Rose Queen . Bright Rose Pink. |
| 2146 | Defiance . Scarlet with Brilliant Orange Red suffusion. | 2171 | Silver Pink . Exquisite Light Pink; ideal. |
| | | 2180 | Large Flowering Semi Tall Mixed . ¼ oz. 40c. |

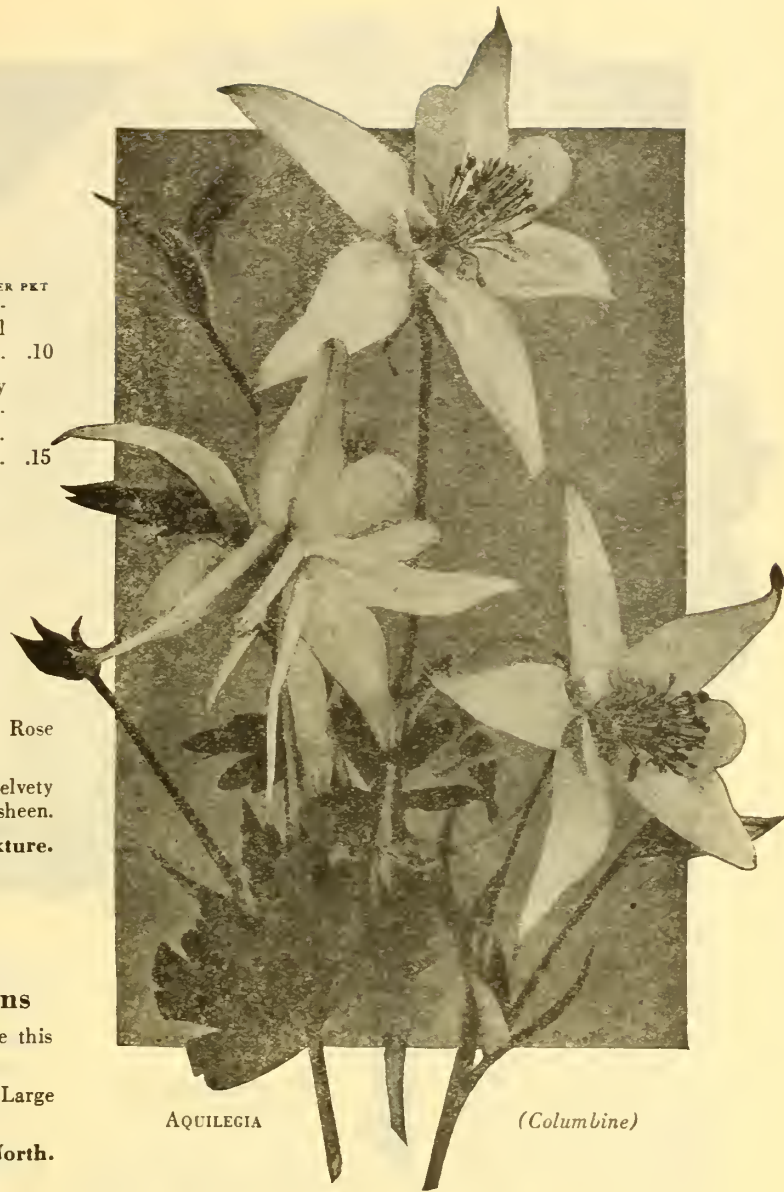
Price: *Any of the above, 10c per pkt.*
Collection: 1 pkt. each of 8 colors, 70c.

Large Flowering Tall Sorts

A splendid strain producing large individual flowers on tall spikes 30 inches high.

- | | | | |
|------|--|------|--|
| 2092 | Defiance . Very tall vivid orange scarlet. | 2116 | Scarlet . Very showy bright scarlet. |
| 2094 | Delila . A beautiful Carmine with white tube. | 2119 | Queen Victoria . Pure white, a beautiful variety. |
| 2109 | Rose Queen . Luminous soft rose. | 2125 | Golden King . Giant rich yellow. |
| 2112 | Rose King . Splendid deep rose. | 2130 | Finest Mixed . All colors. |
| 2104 | Harmony . Terra Cotta Orange shaded rose. | | |

Price: *Any of the above sort 10c per pkt.; 30c per ¼ oz.*



AQUILEGIA

(Columbine)

Aquilegia

(Columbine)

Handsome and effective hardy perennials. The Columbines are most graceful in form and habit and invaluable to correct too stiff or formal plantings. They prefer a moist situation with partial shade. The seed may be sown in spring in the house or in the open ground; or they may be planted in August or September and will make vigorous plants and bloom abundantly the following spring. 2 to 3 feet.

- | | | |
|------|---|----------|
| | | PER PKT. |
| 2200 | New Long Spurred Hybrids . A superb strain producing very beautiful large flowers with long spurs and in all shades of blue, mauve, yellow, orange, rose and white | \$.25 |
| 2191 | Chrysantha (<i>Golden Spurred</i>). Golden yellow, 45c per ⅛ oz..... | .10 |
| 2192 | Coerulea (<i>Rocky Mountain Columbine</i>). Violet-blue and white | .25 |
| 2195 | Single Choice Mixed . All colors, 50c per ¼ oz..... | .10 |
| 2196 | Double Flowering Hybrid . Many beautiful shades, 40c per ⅛ oz..... | .10 |

GERMAIN'S

Los Angeles - - - - Since 1871

Germain's Peerless California Asters



The fame of this remarkable new strain has increased steadily since the first shades were first offered. New varieties have been added as rapidly as possible and we are very glad to be able to offer this year a complete range of colors in the new strain—New Giants of California Asters offer an improved Giant Ostrich Feather type of flower with the robust tall stem and non-lateral branching habit of the "Beauty" strain.

ASTER New Giants of California

It is an altogether superior strain, surpassing all previous types in growth, habit, length of stem and size of flower and is hailed alike by the professional florist and amateur gardener wherever quality is appreciated.

The immense, feathery, Chrysanthemum-like flowers measure from five to six inches. The stems are low branched, heavy, two feet in length and form no laterals, hence no disbudding is necessary.

- 2235 **Peach Blossom.** Quite distinct, opens a faint blush and flushes pink when in full bloom, presenting a variety of peach blossom shades.
- 2236 **Dark Purple.** Intense deep blue purple, a magnificent color in Asters.
- 2237 **Deep Rose.** An exceptionally rich deep shade.
- 2238 **Light Blue.** A fine flower. Delicate yet of sufficient intensity to please the most critical eye.
- 2239 **White.** The latest addition to the strain; a snow white.
- 2240 **New California Giants** in superfine mixture.

Price: *Any of the above varieties 25c per packet.*

Collection: *One packet each of 5 separate colors, \$1.00*

Germain's Giant Asters are grown in Southern California within a few miles of the City of Los Angeles. In this section usually there is no rain from the time of planting until the harvest. Seed grown under these conditions is thoroughly ripened and of high vitality.

The land upon which the seed crops are produced is of an alluvial and peat composition and is sub-irrigated from mountain springs, and while no additional water is applied during the entire growing season the moisture content remains ample and uniform. The soil is naturally very rich promoting a growth which to anyone not familiar with California conditions would seem phenomenal.

It is undoubtedly due in great measure to the coincidence of so many favorable circumstances that flowers here develop to a size seldom if ever seen elsewhere and the same happy combination of cloudless skies, protracted growing season and greater soil fertility has an even greater influence on the production and quality of seeds. Nowhere has this been demonstrated more plainly than in the various strains of California Asters which have gained renown over the entire world.

We quote the following from the "Horticultural Trade Journal" of London, England, on Aster Giants of California:

"This California strain of Asters is ideal for growers of cut flowers; the flowers measure up to six inches across, packed with broad petals, and may be grown with stems 30 inches long. It is truly an aristocrat amongst Asters, vying with well-grown Chrysanthemums in size of flower and length of stem."

This is a description of the results obtained in England with California grown seeds and proves that the robust constitution which California culture imparts is present in the seed and will manifest itself no matter where the seeds are grown.

Germain's American Beauty Asters

A renowned cut flower strain producing very large densely double flowers on long stems. The flowers are of the American branching type but much larger and sturdier and hold up remarkably well after cutting and in transit.

As a garden variety it has few rivals making vigorous much branched bushes up to three feet in height. We highly recommend them for every purpose.

- 2246 **Crimson.** Rich vivid crimson red.
- 2247 **September Pink.** Soft shell pink.
- 2248 **Lavender.** Clear lavender blue.
- 2249 **Purple.** Velvety dark blue or purple.
- 2250 **Peach Blossom.** Pleasing rosy pink.
- 2251 **Rose.** Bright cerise rose.
- 2252 **White.** Splendid large snow white.
- 2260 **American Beauty Asters,** mixed colors.

Price: *Any of the above varieties 25c per packet*

Collection of the seven separate colors for \$1.50

SEEDS

California's Best

Crego's Giant Comet

or "Ostrich Feather" Type

We consider these the finest of the Ostrich Feather strains. The large shaggy flowers with long curled petals resemble a well grown Chrysanthemum in size and form. The plants are strong, heavily branched and grow about 2½ feet in height.

- | | |
|---|--|
| 2271 Crimson. Glowing deep rose-crimson. | 2276 Purple. Showy violet purple. |
| 2272 Flesh. Attractive light shell pink. | 2274 Rose. Lovely bright carmine rose. |
| 2273 Lavender. Soft lavender blue. | 2277 White. Purest white, large and fluffy. |

2280 **Crego's or Ostrich Feathered Mixed.**

Price of the above 25c per packet

Collection: The six colors for \$1.10

Germain's American Branching Asters

This famous strain of branching Asters is deservedly popular. The flowers are of good size, very double, of fine form and abundantly produced.

Our strain is carefully grown and a high standard of perfection has been constantly maintained in this as in all of our other strains.

The plants are robust, growing to 2½ to 3 feet in height and show to a high degree the branched habit for which this strain is famous.

- | | |
|--|---|
| 2291 Crimson. Intense deep crimson red. | 2294 Purple. Perfect flower, dark violet blue. |
| 2292 Flesh. Clear even light pink. | 2295 Rose Pink. Charming bright rose. |
| 2293 Lavender. Exquisite bluish lavender. | 2296 White. Large well formed, pure color. |
- 2300 **American Branching.** All colors mixed.

Price: Any of the above 10c per packet

Collection: One packet each of the six colors 50c

ASTER

King or Needle Type

Quite distinct in form from all other Asters. The flowers are very regular in outline, all petals being neatly quilled. They are fully double and of upright habit.

In California they have gained fame for mid-summer flowering as they seem to resist the heat so well.

- | | |
|---|---|
| 2310 Crimson. Popular wine crimson shade. | 2315 Violet. "King Violet," Intense violet blue. |
| 2316 Brilliant Rose. Bright and beautiful. | 2313 Pink. Exquisite intermediate or shell pink. |
| 2314 Lavender. Azure blue, lavender tinge. | 2320 King Aster Mixed. All colors. |

2317 **White.** Pure white.

Price: Per packet 15c each

Collection: One packet of each of six colors for 75c



ASTER KING OR NEEDLE TYPE

Early Aster

Queen of the Market

Famous medium sized Aster for early blooming. This strain is much in use with florists who rely upon it for the early flower crop for market. It is very useful too in the garden as very fine double flowers may be had several weeks in advance of later strains.

- | | |
|------------------------------|--------------------|
| 2370 Dark blue. | 2375 Scarlet. |
| 2371 Light blue or lavender. | 2378 White. |
| 2374 Rose. | 2380 Choice Mixed. |

Price per packet 10c each

Cocardeau or Crown Aster

An old favorite still in good demand. It is of medium size and very double and appears in a variety of colors, all, however, showing the contrasting crown of white or light shades for which the variety is named. Per packet.....\$.10

Sunshine Asters

A new anemone-flowered type. Outer petals long and curled, center filled with quilled petals.

- 2351 **All Colors.** Choice mixed. ½ oz. 50c.....\$.25

Single China Asters

Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

- | | |
|-----------------------------------|-------------------------------|
| 2352 Elegance. Dark red. | 2354 Elegance. Purple. |
| 2355 Elegance. Light rose. | 2357 Elegance. White. |

2360 **Elegance.** Mixed.

Price per packet, any of the above, 10c

GERMAIN'S

Los Angeles - - - - Since 1871



CANDYTUFT
GIANT HYACINTH

Arabis

(Rock Cress)

- 2202 **Alpina** (*Alpine Rock Cress*). This delightful perennial is one of the earliest and prettiest of spring flowers. The dense tufts of snow white flowers always present a neat appearance and are invaluable for edgings and rockeries. 6 to 9 inches.....\$.10

Arctotis

(White African Daisy)

- 2204 **Grandis**. A free flowering annual of unusual merit producing a wealth of large daisy-like flowers on well branched bushy plants 2 to 2½ feet high. The flowers are white with a steel blue reverse imparting a pearly hue of great charm; excellent for cutting; easily grown from seed sown in the open in early spring. 30c per ¼ oz.10

Armeria

(Thrift or Sea Pink)

- 2215 **Maritima**. Very pretty hardy perennial with slender leaves and rosy-pink flowers; invaluable for edging; 1 foot10

Aubrietia

- 2283 **Graeca**. Very charming perennial bedding plants producing masses of light purple flowers very early in spring, ½ foot. Sow in June and plant out in autumn..... .15

Auricula

(*Primula Auricula*)

Colorful hardy perennials for rock garden and border; useful also for window boxes and shady situations; prefer light, moist soil and bloom freely in April, May. ½ foot.

- 2385 **Choice English Hybrids**. Rich deep shades with many attractively margined..... PER PKT. .25

Balsam

(*Ladies' Slipper*)

An old favorite in the summer flower garden. The brightly colored double flowers are very freely produced. The plants are bushy, 18 inches high, with fleshy stems and shiny bright green leaves. Start from seeds in boxes in early spring or later in the open ground. They are ideal for bedding, borders, pots or porch-boxes—annual.

Double Camellia Flowered Strain

- | | |
|--|--|
| 2403 Flesh Pink . Satiny light rosy pink. | 2405 Scarlet . Brilliant fiery red. |
| 2404 Salmon Queen . Beautiful bright salmon rose. | 2409 White Perfection (<i>Alba Perfecta</i>). Pure white. |
| 2406 Solferino . White, lilac and scarlet. | 2410 Double Camellia Flowered Mixed . All colors. |

2412 **Double Rose Flowered Mixed**. Very double.

Price of any of the above varieties 10c per pkt.; 75c per oz.

Begonias

Begonias of the Semperflorens type take a very high rank among bedding plants; succeeding perfectly in full sunlight, they supersede all others in their ability to grow and bloom in positions partially or wholly shaded. They are also extensively used as pot plants. The neat compact bushes about 1 ft. in height are covered with brilliantly colored flowers practically all through the year.

The seed of these handsome perennials should be sown in seed pans in fine soil composed of loam, leaf mould and sand. When sowing, first press down the soil with a small board or with the hand, scatter the seed on the surface and again press the soil firm, but do not cover the seed. Water with a fine misty spray or allow the water to soak up from below. When large enough, the plants should be potted or planted in boxes until time to set out.

- | | |
|--|-----------------|
| 2418 Semperflorens Alba . Pure white, bright green leaves. | PER PKT. \$.25 |
| 2419 Semperflorens Rosea . Bright rose, light green leaves. | .25 |
| 2424 Vernon (<i>Atropurpurea</i>). Bright orange-carmine flowers, deep red foliage..... | .25 |
| 2422 Luminosa . Fiery dark scarlet, leaves reddish brown... | .25 |
| 2423 Prima Donna . Limpid rose shading to Carmine..... | .25 |
| 2421 Erfordia . Bright rosy Carmine..... | .25 |
| 2430 Semperflorens Choicest Mixed . Everblooming strain containing all colors; 60c per 1/16 oz..... | .15 |

SEEDS

California's Best

Tuberous-Rooted Begonias

Tuberous rooted Begonias are considered the most beautiful of all bedding plants for shaded locations in summer and, besides, are useful for many months as pot plants in-doors or under glass.

From seeds sown in early spring, and with generous treatment, plants may be flowered in six months.

Follow instructions given above for Semperflorens Begonias.

	PER PKT.
2436 Germain's Choice Single Tuberous rooted Mixed.	\$.50
2438 Germain's Finest Single Fringed Tuberous rooted mixed. ....	.50
2440 Germain's Superfine Double Tuberous rooted Mixed. ....	.50

Bellis

(English Daisy)

Double Daisies now rank among the most valuable plants for spring gardening, and beds composed entirely of these flowers give a very pretty effect. They are perennial but flower the first season from seed planted early in spring or they may be started in mid-summer for the following spring's blooming. They attain a height of 6 inches and are favorites everywhere for low edging.

2443 Mammoth Rose. Extra large flowers, fully double. 15c per pkt.	2445 Mammoth Mixed. Rose, red and white. 2 pkts. for 25c. 15c per pkt.
2442 Mammoth Red. Petals slightly quilled. 15c per pkt.	2446 Longfellow. Large double pink. 10c per pkt.
2444 Mammoth White. Extra large pure white. 15c per pkt.	2450 Double Mixed. Numerous double flowers. 60c per 1/4 oz. 10c per pkt.
2447 Snowball. Very double white. 10c per pkt.	

Boltonia

(False Chamomile)

	PER PKT.
2461 Latisquama. Showy perennial growing 4 to 5 feet high, with very numerous daisy-like flowers of pleasing lilac-pink.	\$.15

Brachycome

(Swan River Daisy)

	PER PKT.
2464 Iberidifolia. Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height 9 inches. 50c per 1/4 oz. ....	.10

Browallia

(Amethyst)

2468 Elata Mixed. Favorite summer blooming annuals, 18 inches in height. The flowers of unique Amethyst blue and white are very freely produced.	\$.10
---	-------

Cacalia

(Flora's Paint Brush or Tassel Flower)

2475 Coccinea. Vivid orange scarlet flowers beautiful for cutting. The plants are annual and reach 8 inches in height.	\$.10
---	-------

Calceolaria

2481 Hybrida Superba. A beautiful large flowering strain, colors rich and varied. Sow seed as recommended for begonias.50
--	-----



CELOSIA
CHINESE WOOLFLOWER

Cactus

2490 Choice Sorts Mixed. Leafless forms, massive, round, cylindrical, flat or angular and usually spiny are characteristic of these desert plants. Sow the seed in well drained light soil in a sheltered place and water carefully.	\$.25
---	-------

CALENDULA

(Pot Marigold or Winter Marigold)

One of the best and showiest of free flowering annuals and an "all year flower" in California. In colder climates it is an excellent pot plant for winter blooming. As a garden plant it is very effective in solid beds, borders, etc., and as a cut flower it has remarkable keeping qualities. It is of the easiest culture. Height 18 inches.

	PER PKT.
2496 Germain's Orange King. A splendid variety with enormous Orange flowers, perfectly double and with dark center. Blooms early and remains in flower during the whole season. oz. 40c.	\$.10
2493 The Ball. Glowing Orange throughout, long stems and very large flowers. 2 pkts. for 25c. ....	.15
2494 Lemon Queen. Identical with Orange King in size and form but a rich lemon yellow in color. 30c per oz. ....	.10
2503 Meteor. Orange striped with cream, attractive for cutting. ....	.10
2506 Royal or Trianon. Yellow, striped orange, with dark center. ....	.10
2505 Nankeen. Cream flushed Apricot. A delicate shade. ....	.10
2510 Germain's Extra Double Mixed. A choice mixture of many sorts. 30c per oz. ....	.10
Collection: One packet each of the seven varieties 60c.	

GERMAIN'S

Los Angeles - - - - Since 1871

Campanula Medium

(Canterbury Bells)

One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during spring and summer. Sow seed in late spring or fall in seed beds or boxes and later transplant to their permanent location.

Cup and Saucer Canterbury Bells

Perhaps the most beautiful type, distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large Calyx of similar color, the whole resembling a cup and saucer.

- | | |
|-------------------------|--------------------------|
| 2536 Calycanthera Blue. | 2538 Calycanthera White. |
| 2537 Calycanthera Rose. | 2540 Calycanthera Mixed. |

Price of the above varieties 15c per pkt.; 1/8 oz. 60c.

Single Canterbury Bells

The old favorite Canterbury Bell, with large bell-shaped blossoms on strong growing bushes 2 1/2 to 3 feet high.

- | | |
|-------------------|--------------------|
| 2525 Single Blue. | 2527 Single White. |
| 2526 Single Rose. | 2530 Single Mixed. |

Price: Any of the above 10c per pkt.

Double Canterbury Bells

- | | | | |
|--------------------|-------------------------------|------------------|--------|
| 2535 Double Mixed. | A fine mixture of all colors. | PER PKT. 1/8 oz. | \$.10 |
|--------------------|-------------------------------|------------------|--------|

Perennial Campanulas

(Bellflower)

Beautiful subjects for perennial borders and beds. They are easily grown in any garden and frequently flower the first year if sown early in the spring.

- | | | | |
|--|---|----------|--------|
| 2542 Carpatica (Carpathian Harebell). | Clear blue, splendid for edging; 1 foot. | PER PKT. | \$.10 |
| 2541 Pyramidalis (Chimney Bellflower). | Blue. A tall stately perennial, 4 feet in height. | | .10 |

Candytuft

One of the most popular annuals for furnishing beds and borders with masses of color during the spring and summer months. It is best to sow the seeds where the plants are to bloom thinning the seedlings to stand 8 to 10 inches apart. They may be started at any time during the spring or fall. Height about 1 foot.

- | | | | |
|---------------------|---------------------------------|------------------------|-------------------------------|
| 2554 Flesh Pink. | Delicate rosy pink; oz. 45c. | 2551 Carmine. | Bright Carmine rose; oz. 45c. |
| 2556 Lavender. | Soft pinkish lavender; oz. 45c. | 2552 Crimson. | Rich red shade; oz. 45c. |
| 2559 Rose Pink. | Bright rose color; oz. 45c. | 2557 Albida. | Pure white; oz. 45c. |
| 2558 Rose Cardinal. | Beautiful rosy-red; oz. 55c. | 2560 All shades mixed. | Oz. 40c. |

Price: Any of the above varieties 10c per pkt.

Collection: One pkt. each of seven colors for 50c.



CALLIOPSIS

GOLDEN WAVE

Calliopsis

Handsome free flowering annuals, succeeding in any soil or situation. They are very effective for bedding or massing and if the spent flowers are cut may be kept blooming until late autumn. It is best to sow where they are to bloom thinning them to stand 6 to 8 inches apart. The plants grow 2 to 3 feet high and supply a wealth of pretty cut flowers.

- | | | | |
|--------------------|------------------------------------|--------------------------|---|
| 2513 Bicolor. | Yellow with dark eye. Per oz. 45c. | 2517 Golden Wave. | Golden Yellow Chestnut Center. Per oz. 45c. |
| 2515 Crimson King. | Rich Crimson. Per oz. 75c. | 2521 Double Mixed. | Double and semi-double. Per oz. 60c. |
| 2514 Coronata. | Extra large yellow. Per oz. 60c. | 2520 Choice sorts Mixed. | Per oz. 40c. |

Price: Any of the above 10c per pkt.

Canna

(Indian Shot)

While Cannas are usually set out in the form of rhizomes commonly called bulbs (see Nursery Dept.) very fine plants are also obtainable from seed.

The strain we offer is large flowered and dwarf growing.

- | | |
|----------------------------|-----------------|
| 2563 Crozy's Choice Mixed. | PER PKT. \$.10 |
|----------------------------|-----------------|

SEEDS

California's Best

CARNATIONS

Carnations are exceptionally successful in California, growing and blooming continually throughout the year.

The seeds offered are originally of the best French and European strains but have been grown and reselected in California for several years. Their germination is of the highest, the flowers extra large and very double. Sow in pans or boxes using light well drained soil and covering $\frac{1}{8}$ inch. Keep shaded until the plants appear and when large enough set out in the open. Perennial $1\frac{1}{2}$ to 2 ft. in height.

Chabauds' Everblooming Carnations

A remarkably fine and vigorous strain of French origin. Blooms in about five months from seed. Produces nicely fringed flowers of very large size and perfectly double and blooms indefinitely.

- | | |
|--|------------------------------------|
| 2582 Bright Rose. | 2585 Scarlet. |
| 2583 Dark Crimson (Black Prince). | 2586 Pale Lilac (Pearl). |
| | 2587 White (Jeanne Dionis). |
| 2584 Flesh Pink. | 2588 Yellow (Marie Chabaud) |

Collection: One packet each of the seven colors for \$1.50.

2590 **Chabaud's Everblooming Giant Flowered. Mixed.** 5 packets for \$1.00.

Price of the above varieties 25c per packet.

Marguerite Carnations

An exceedingly popular type blooming in a few weeks from the seed. They are of very good size and produce a large percentage of fully double flowers. Can be started in boxes or directly in the open in spring or early fall.

- | | |
|--|--|
| 2565 Rose. $\frac{1}{8}$ oz. 45c. | 2568 White. $\frac{1}{8}$ oz. 45c. |
| 2566 Scarlet. $\frac{1}{8}$ oz. 45c. | 2569 Yellow. $\frac{1}{8}$ oz. 60c. |
| 2570 Marguerite Choice Large Flowered Mixed. $\frac{1}{4}$ oz. 60c. | |

Price: Any of the above 10c per pkt.

Celosia Cristata

(Cockscomb)

Showy, sun-loving annuals, perfectly at home in the California summer sunshine where their large highly colored crests add a gay note to innumerable gardens. Sow under cover very early in spring or later in the open and transplant or thin to 10 inches apart.

- | | PER PKT. |
|---|----------|
| 2620 Cristata Tall Mixed. Shades of red, pink and yellow, height 18 inches. $\frac{1}{4}$ oz. 45c..... | \$.10 |
| 2614 Cristata Dwarf Empress. Rich Crimson Combs, about 1 ft. high, dark foliage..... | .15 |
| 2615 Cristata Glasgow Prize. Immense deep crimson combs, 1 ft..... | .15 |
| 2618 Cristata Dwarf Mixed. Plants about 1 ft. in height bearing immense combs in many showy colors; $\frac{1}{4}$ oz. 60c..... | .10 |

Celosia Chinese Woolflower

A new and very attractive form of the feathered or Plumosa type, forming immense round heads resembling huge balls of silky wool.

- | | PER PKT. |
|---|----------|
| 2604 Chinese Woolflower. Crimson..... | \$.25 |
| 2602 Chinese Woolflower. Mixed colors..... | .25 |



Celosia Plumosa

(Feathered Cockscomb)

The feathered cockscombs are quite distinct in form, producing tall fluffy plumes 2 feet or more in height and are excellent material for summer beds or borders. They may also be cut and dried for winter decoration in the home.

- | | PER PKT. |
|--|----------|
| 2607 Plumosa Golden Yellow. | \$.10 |
| 2606 Plumosa Dark Crimson. | .10 |
| 2608 Thompsoni Magnifica Mixed. Graceful feathery plumes, 3 feet in height and ranging in color from clear yellow to deepest blood-red..... | .15 |
| 2610 Plumosa—Feathered Cockscomb Mixed. All shades. $\frac{1}{2}$ oz. 45c..... | .10 |

CENTAUREAS

The Centaureas include two of the most popular garden annuals both for bedding and for cut flowers. They are extremely easy to grow and may be started any time either in boxes or in the open. Cover the seeds lightly or rake in and keep moist. $2\frac{1}{2}$ to 3 feet.

Centaurea Imperialis (Royal Sweet Sultan). A magnificent strain producing large, fringed and exquisitely scented flowers, very lasting when cut.

- | | |
|--|--|
| 2633 Giant Brilliant Rose. | 2636 Giant Deep Purple. |
| 2635 Giant Delicate Lilac. | 2637 Giant White. |
| 2634 Giant Deep Lavender. | 2639 Giant Yellow (Suaveolens). |
| 2640 Royal Sweet Sultan Giant Mixed; $\frac{1}{2}$ oz. 45c. | |

Price of the above varieties 10c per pkt.

Collection: One packet each of six colors, 50c.

GERMAIN'S

Los Angeles - - - Since 1871



PAINTED DAISY

ANNUAL OR SUMMER
CHRYSANTHEMUM

Perennial White Leaved Centaureas

(*Dusty Miller*)

- 2644 **Gymnocarpa.** Finely cut, silvery white foliage, inches. .15
- 2643 **Candidissima.** Very decorative foliage plants for borders, etc., silvery white leaves broadly cut. Flowers yellow. 1/2 oz. 60c. .10

Double Cornflower

(*Centaurea Cyanus*)

An old favorite known also as Bachelor's Buttons, blue bottle, bluet, etc. One of the hardiest of annuals succeeding anywhere and responding quickly to what little care and cultivation may be bestowed upon it. The double sorts listed below are greatly improved both in size, type and range of color and are not to be compared with the old single strain.

- 2624 **Germain's Extra Double Deep Blue.** One of the finest blue annuals in cultivation. Flowers very large, fully double, oz. 60c.

2626 **Extra Double Rose Pink.** Oz. 60c.

2627 **Extra Double Pure White.** Oz. 60c.

2630 **Extra Double Finest Mixed.** Oz. 40c.

Price: Any of the above sorts 10c per pkt.

- 2642 **Centaurea Americana (Basket Flower).** A native species of great beauty, growing to a height of 3 to 3 1/2 feet and excellent for cutting. Large Lilac flowers. .10

Cerastium

(*Jerusalem Star*)

- 2647 **Tomentosum.** Hardy perennial invaluable for rockeries and edgings; foliage silver grey. Height 6 flowers purplish lavender. 1/2 oz. 45c. .10

Annual Summer Chrysanthemums

Annual Chrysanthemums are invaluable for summer gardening. Our list contains the finest improved varieties producing large showy flowers on bushy plants 2 to 3 feet high and blooming throughout the summer. Sow where they are to bloom and thin to 1 foot apart.

- 2651 **Burridgeanum.** Petals white with center surrounded by ring of deep red and inner zone of yellow. 1/2 oz. 35c.
- 2656 **The Sultan.** Rich Scarlet. 1/2 oz. 35c.
- 2652 **W. E. Gladstone.** Deep Crimson. 1/2 oz. 35c.
- 2677 **Eastern Star.** Clear yellow with dark center. 1/2 oz. 35c.
- 2678 **Morning Star.** Canary yellow with dark disc. 1/2 oz. 35c.
- 2660 **Choicest Single Mixed (Painted Daisy).** All colors. Oz. 45c.
- 2665 **Annual Double Mixed.** A beautiful new strain, giving a large percentage of perfectly double flowers in many shades of red, purple, yellow, white, etc. 1/2 oz. 45c.
- 2672 **Coronarium Double Yellow.** Hardy vigorous grower, excellent for cutting. Oz. 55c.
- 2671 **Coronarium Double White.** A fine white flower for cutting. Oz. 55c.
- 2675 **Coronarium Double Mixed.** Oz. 45c.

Price of the above varieties 10c per pkt.

Paris Daisy

(*Marguerite*)

- 2679 **Chrysanthemum Frutescens.** Pure white daisy-like flowers very freely produced on heavily branched bushes 2 1/2 feet high. PER PKT. \$.15

Shasta Daisy

(*Chrysanthemum Lencantheum*)

- 2680 **Alaska.** A splendid hardy perennial with flowers of glistening white frequently 5 inches across, with broad overlapping petals and borne on strong stems of medium height ideal for cutting. .25
- 2681 **Shasta Daisy or Ox-Eye Daisy.** Very numerous large pure white flowers with small yellow center and borne on long stems. 1/4 oz. 65c. .10

Autumn Chrysanthemums

Undoubtedly the choicest of autumn flowering perennials for garden or pot culture. A wide range of colors and many fine double flowers may be produced in fall from seed sown in early spring in seed boxes and later transplanted to the open. 3 to 4 ft.

- 2685 **Japonicum Extra Large Double Mixed.** Immense flowers, beautiful colors and many doubles. PER PKT. \$.25
- 2684 **Dwarf Pompom Mixed.** The small button Chrysanthemums so popular for bouquets and basket work. .25

SEEDS

California's Best

COSMOS

Very graceful tall annuals, with large long stemmed flowers and finely cut foliage. Cosmos are invaluable in the summer and autumn garden; the plants are bushy, 5 to 8 feet high and produce a wealth of excellent cut flowers. They are very useful for back grounds and screens, or wherever tall heavily branched flowering plants are needed. By using both early and late flowering strains they may be had in bloom from early summer until late fall. Easily grown from seed and succeeding anywhere.

Germain's Mammoth Flowering Cosmos

This beautiful strain attains remarkable proportions; bushes are broad and tall, flowers of largest size and with wide overlapping petals. If given an early start they bloom from mid-summer until late autumn.

- 2756 Mammoth Flowering Crimson. Brilliant deep red.
- 2757 Mammoth Flowering Pink. Bright rosy pink.
- 2758 Mammoth Flowering White. Very large pure white.
- 2760 Mammoth Flowering Mixed. Oz. 30c.

Price of the above varieties 10c per pkt.
Collection of one packet each of the 3 colors 25c.

Germain's Extra Early Giant Cosmos

A new strain producing large flowers and commencing to bloom in the early summer.

- 2752 Early Giant Crimson. 2754 Early Giant White.
- 2753 Early Giant Rose. 2755 Early Giant Mixed. Oz. 60c.

Price: Any of the above 10c per pkt.
Collection of a packet each of the 3 colors for 25c.

Orange Yellow Cosmos

- 2762 Klondyke. A tall, vigorous species with large orange yellow flowers abundantly produced in the fall. ^{PER PKT.} 1/8 oz. 30c.....\$.10

Germain's Choice Cinerarias

It would be hard to find a flowering pot plant or bedding plant of more resplendent beauty than the Cineraria. It produces gorgeous spikes of large blossoms in the most vivid shades during the late winter and early spring and delights in a cool shady location succeeding wonderfully well even out doors in Southern California. The seed should be sown in summer or early fall in seed pans.

- 2704 Germain's Giant Exhibition Strain. This is by far the most beautiful and finest strain we have seen. The flowers of enormous size are borne on sturdy plants about 18 inches in height. The colors range from white and light pink through rose, scarlet and purple, to deep crimson and royal blue.....^{PER PKT.} \$.50
- 2700 Choice Hybrids Mixed. Very beautiful large flowering strain imported from the best European sources..... .25
- 2705 Stellata (Star Cineraria). A very popular strain producing innumeral star shaped flowers of good size and in a fine range of colors..... .25
- 2706 Maritima Candidissima. This as well as the white leaved Centaurea, is called Dusty Miller. The downy deeply cut foliage is silvery-white in color..... .10



COSMOS
DOUBLE

Double Crested Cosmos

Flowers well filled in the center with a crest of narrow petals; some singles will appear but these are also very beautiful.

- 2763 Crimson King. Rich deep red.....^{PER PKT.} \$.25
- 2764 Pink Beauty. Soft satiny pink..... .25
- 2765 White Queen. Pure white..... .25
- 2770 Germain's Double Crested Mixed. 1/4 oz. 60c..... .25

One packet of each of the three colors for 60c.

Clarkia

Very free flowering annual of easy culture producing handsome double flowers on leafy stems and valuable for bedding for borders and for cutting. 2 to 3 feet. Sow in spring or fall in sun or partial shade.

- 2711 Double Apple Blossom. 2712 Double Brilliant Rose.
- 2715 Double White (Alba). 2717 Double Scarlet.
- 2716 Double Salmon Queen. 2720 Double Choice Mixed. 1/4 oz. 30c.

Price of the above varieties 10c per pkt.

Collection of six packets for 40c.

Clanthus

Handsome sun-loving perennials from Australia, bearing clusters of bright pea shaped flowers. Sow the seeds in a dry sunny situation and water sparingly. 4 feet.

- 2727 Puniceus (New Zealand Parrot's Bill). Large bunches of showy red flowers.....^{PER PKT.} \$.25
- 2728 Dampieri (Australian Glory Pea). Clusters of brilliant scarlet flowers marked with black.. .25

GERMAIN'S

Los Angeles - - - - Since 1871



DIANTHUS

Coleus

(Flame Nettle)

- 2733 **New Large Leaved Hybrids.** Our strain of large leaved varieties produces the most highly colored and novel foliage plants for summer bedding or house culture. Sow in seed box in early spring and transplant. 2 feet.25
- 2735 **Finest Mixed.** Beautiful variegated foliage, strong plants, 2 ft. high; of great decorative value..... .15

Collinsia

(Innocence)

- 2737 **Bicolor.** Slender, graceful annual 1½ to 2 feet high, bearing clusters of lilac flowers prettily marked with white, violet and purple; oz. 40c..... .10

Coreopsis

- 2749 **Lanceolata Grandiflora.** One of the finest of hardy perennial flowers. The showy Golden Yellow flowers are long stemmed, very abundantly produced, and keep remarkably well when cut. They thrive anywhere and bloom the first season. Height about 3 feet; oz. 50c.... .10
- 2747 **Flora Pleno.** Double yellow, ¼ oz., 55c..... .25

Cynoglossum

(Chinese Forget-me-not)

- 2707 **Amabile.** Brilliant metallic blue; ¼ oz. 30c..... .10

Cuphea

(Cigar Plant)

Pretty dwarf woody perennials ideal for borders and edging. Height about 1 foot.

- 2774 **Miniata.** Deep Scarlet with lilac center....^{PER PKT.} \$.10
- 2775 **Platycentra.** Russet Orange..... .25

Cyclamen

Charming tuberous perennial plants for the house or sheltered situations in the garden. Foliage rich deep green, flowers brilliantly colored and fragrant. Seeds should be planted ½ inch deep in well prepared seed boxes and seedlings moved to small pots. Cyclamen bloom in about 15 months from seed.

- 2800 **Persicum Giganteum.** Finest Giant strain mixed^{PER PKT.} \$.25
- 2798 **Popilio (Butterfly).** Petals prettily fringed. Mixed colors..... .25

Dahlias

(From Seed)

While Dahlias are more frequently grown from tubers or roots it is quite possible and very interesting to grow them from seed. This may be done in one season, even from seed sown in the open ground as late as April. Dahlias are very variable and results obtained usually show a bewildering assortment of colors and shapes.

- 2810 **Giant Double Flowered Mixed.** 25c per pkt. 2808 **Cactus Flowered Mixed.** 25c per pkt.
- 2814 **Pompon Mixed.** Dwarf small flowered, very double. 25c per pkt.
- 2812 **Single Sorts Mixed.** All colors. 10c pkt.

DIANTHUS

(Pinks)

Delightfully fragrant and brilliantly colored annual or biennial border and bedding plants. They are quite similar to the Carnation and the double sorts rival these in value as cut flowers for the home. While biennial they bloom very quickly from seed, which may be sown at any time, and usually keep over for a second season. Most varieties reach a height of 8 to 10 inches.

Double Annual Pinks

- 2843 **Mourning Cloak.** Maroon, white edge. ¼ oz. 45c.
- 2848 **Malmaison.** Bright rose. ¼ oz. 60c.
- 2844 **Fireball.** Fiery Scarlet. ¼ oz. 45c.
- 2849 **Purity.** Snow white. ¼ oz. 45c.
- 2856 **Double Diadem Pink.** Mixed. ¼ oz. 40c.
- 2852 **Laciniatus.** Mixed. Double fringed. ¼ oz. 40c.
- 2860 **Chinensis (China Pink).** Double mixed. ½ oz. 30c.
- 2855 **Heddewigii (Japanese Pink).** Double mixed. ½ oz. 50c.
- 2853 **Hybridus Flora Plena.** New double strain, ¼ oz. 50c.
- Price of the above varieties 10c per pkt.**
- Collection: A packet each of the 9 sorts for 75c.

Single Annual Pinks

- 2863 **Crimson Belle.** Velvety Crimson. ¼ oz. 40c.
- 2866 **Eastern Queen.** Bright rose. ¼ oz. 45c.
- 2872 **Laciniatus.** Single Fringed. ¼ oz. 30c.
- 2871 **Nobilis (Royal Pink).** Mixed. ¼ oz. 30c.
- 2870 **Heddewigii.** Single Japanese Pink mixed. ½ oz. 40c.
- The above varieties are 10c per pkt.**
- Collection of the five varieties for 40c.



GERMAIN'S
"Sunset Gladioli"

Splendid up-to-date assortment of twelve beautiful named varieties selected from the finest and most popular sorts.

Alice Tiplady. Lovely Orange Saffron.

Black Pansy. Richest maroon, relieved by a pansy-like center.

Byron L. Smith. Superb lavender.

E. J. Shaylor. Large, tall, rose pink.

Herada. Mauve blue, in great demand.

Lily White. Glistening, pure white.

Mrs. Dr. Norton. A fascinating blend of La France Pink, Yellow and Rose.

Mrs. Frank Pendleton. Salmon rose with crimson center.

Prince of Wales. Clear light salmon.

Rose Glory. Beautiful clear rich rose.

Schwaben..... Bright Canary yellow.

Virginia.....Bright fiery scarlet red.

Flower Borders ~ Collection Packages



GERMAIN'S "COLOR-PACKAGE" SERIES

These collections are composed of full sized packets of Germain's Premium flower seeds and are enclosed in large 6x9 Collection Envelopes lithographed in full color. They are feature values and contain all the most popular varieties that will furnish a fine flower garden with a long succession of gorgeous flowers.

COLORFUL CALIFORNIA GARDEN COLLECTION

Contains six radiant annuals that should be found in every flower garden.

California Poppy	Asters
Zinnias	Cosmos
Marigolds	Sweet Peas

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, post-paid.

BLAZE O'COLOR COLLECTION GIANT FLOWERED ZINNIAS

A fine assortment in the following brilliant colors:

Burnt Orange	Rose Pink
Golden Yellow	Purple
Crimson	Pure White

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, post-paid.

IMPERIAL COLLECTION LARGE FLOWERED STOCKS

Popular for bedding or cut flowers, colors include the following desirable shades:

Flesh Pink	Bright Rose
Bright Blue	Purple
Blood Red	Pure White

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, post-paid.

REGAL COLLECTION AMERICAN BRANCHING ASTERS

Contains six varieties of large flowering branching Asters in the following colors:

Crimson	Purple
Flesh Pink	Rose Pink
Lavender	White

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, post-paid.

PREMIUM COLLECTION GIANT FRENCH PANSIES

Six selected shades of this friendly flower, favorites everywhere.

Golden Marigold
Light Blue
Golden Yellow
Timardeau
Blood Red
White, dark center

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, post-paid.

MARIGOLD COLLECTION

A collection composed of Giant African and Dwarf French Marigolds in a perfect blend of Orange and Gold shades.

Lemon Queen	Dark Brown
Orange Prince	Legion of Honor
African Mixed	French Mixed

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, post-paid.

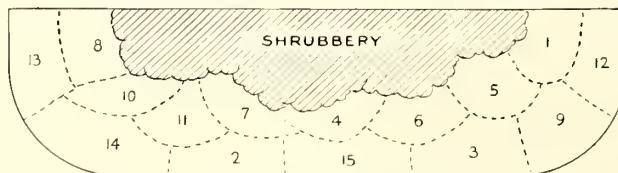
Perennial Border Collection

Perennial plants are enjoying a well deserved popularity in our best garden circles. Germain's have grouped in this selection a number of these long and well beloved flowers which will enable you to grow quickly from seed a well balanced colorful perennial border.

It is to be remembered that, while most perennials make a very good showing the first season, it is after they are established a year or two that the finest results are obtained.

1. Aquilegia Long spurred Mixed
2. Arabis Alpina
3. Agatheae Coelestis
4. Campanula Calycanthema Mixed
5. Digitalis Gloxinaeflora Mixed
6. Coreopsis Lanceolata Grandiflora
7. Delphinium Improved English Mixed
8. Gaillardia Grandiflora Superba Mixed
9. Hunnemannia Fumariaefolia
10. Pentstemon Finest Mixed.

11. Papaver (Iceland Poppy)
12. Shasta Daisy
13. Verhena Mammoth Mixed
14. Sweet William large flowered mixed
15. Viola Cornuta—Choice Mixed



The entire collection of selected Perennial flower seeds complete for \$1.50

Annual Border Collection

Annuals have the advantage of producing flowers very quickly from seed. They are showy and make lovely cut flowers. The varieties in this collection are of easy culture and if sown in spring the first flowers appear within a few weeks, a succession of bloom being maintained until late fall.

Both the annual and perennial collection may be sown according to our diagram or the varieties may be planted about the garden at will.

- | | |
|-------------------------------|--|
| 11. Ageratum—Choice Mixed | 6. Clarkia—Double Choice Mixed |
| 13. Alyssum—Sweet | 5. Larkspur—Stock flowered Mixed |
| 4. Aster—Branching Mixed | 9. Mignonette—Sweet |
| 2. Balsam—Camellia Flowered | 12. Pinks—Chinese Double Mixed |
| 3. Candytuft—All shades Mixed | 15. Phlox—Large Flowered Mixed |
| | 1. Poppies—Carnation flowered Mixed |
| | 10. Salpiglossis—Gloxinia-flowered Mixed |
| | 8. Scabiosa—Choice Mixed |
| | 7. Godetia—Tall Double Mixed |
| | 11. Zinnia—Mammoth Mixed |

The Collection of Fifteen Varieties Complete for \$1.25

Germain's

New Giant California Hybrid Delphiniums

(Double Extra Large)

PER PKT.

2834 We recommend this strain above all others for its tall robust growth and heavy foliage and the extraordinary size and exquisite color variations of the flowers. It has no rival in California gardens. The plant itself is handsome and decorative and a group of the stately clumps in full bloom is a sight not easily forgotten. The colors range from the tenderest opal shades to the deepest royal purple, intermediate tones including delicate mauve, rose, lavender and lilac tints, many exquisitely blended. Offered in packets only at.....\$1.00

New Hollyhock Strain

2829 This striking type is the result of several years of painstaking reselecting by a noted California Hybridizer. The flowers are large, fully double, well-placed on long, pyramidal spikes; their sturdy growth and general appearance reminding one of a Hollyhock, hence the name. The color range is most pleasing and we strongly recommend it to all who prefer the bright and lighter shades..... .50

2825 **Delphinium Belladonna** (*California Strain*). No summertime visitor to California can fail to see this exquisite flower, for every flower store in Southern California displays huge baskets of it through the major part of the season. It is indeed the cut flower "par excellence" among Delphiniums. We have been told that our California strain of Belladonna is of a purer turquoise blue; it is undoubtedly very lovely. The plant grows to a good height, blooms abundantly and is worthy of a place among the best in every garden.... .25

2827 **Delphinium Bellamosum**. A deep royal blue variety. It is said to be a hybrid between the foregoing and Formosum, but is perhaps a more vivid and intense blue. It has the tall habit and profuse growth of Belladonna and is the finest of the dark blue sorts..... .25

2832 **Gold Medal Hybrids**. Improved double flowering Hybrids. The plants grow to 5 feet in height and produce large full flowers in a great variety of delicate colors, especially in the lighter shade of blue..... .15

2835 **Elatum Hybridum Single Mixed**. A very choice strain of light and dark blue shades. Height 5 feet..... .10

Delphinium Chinensis

(*Chinese Delphinium*)

Very attractive species blooming quickly from seed. They grow to a height of 2 or 3 feet and are useful for bedding and cut flowers. The seed may be sown in the open in spring for summer blooming.

2819 **Chinese Album Grandiflorum**. Large flowering white.

2822 **Chinese Dark Blue**. Deep royal blue.

2821 **Chinese Azure Blue** (*Azure Fairy*). Delicate sky blue.

2823 **Chinese Blue Butterfly**. Bright navy blue, excellent cut flower.

Price of the above 10c per pkt.



Improved English Hybrids

(*Re-selected from Original Importations*)

Selections made from many excellent Delphinium varieties recently imported from England have given rise to this improved strain of English Hybrids. They have proved exceedingly successful in California and produce an abundance of flowers of great beauty. It is a strain we can heartily recommend, knowing that it cannot fail to give great general satisfaction.

This strain is now available also in separate shades which are offered below:

2824 **Deep Blue Shades**. Rich velvety purple and blue.

2826 **Mid Blue Shades**. Lovely violet and light purples.

2839 **Light Blue Shades**. Delicate turquoise and azure blue.

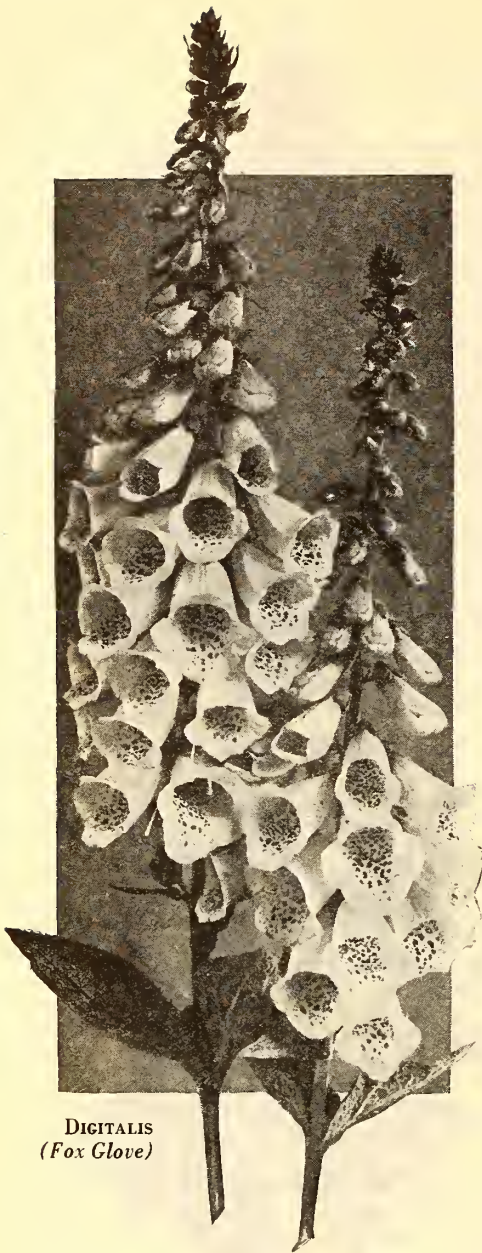
2840 **Pastel Shades**. Exquisite blendings of mauve, lavender, light blue, etc.

2831 **Improved English Hybrids Mixed**. A superb mixture containing the full range of color.

Price: Any of the above 25c per pkt.

GERMAIN'S

Los Angeles - - - - Since 1871



DIGITALIS
(Fox Glove)

Hardy Garden Pinks

Splendid for cutting; refreshing, spicy odor and well adapted for beds, borders, etc. Fine edging for the perennial border.

- 2874 **Plumarius Fl. Pl. Mixed.** Beautiful double and semi-double flowers in a variety of pleasing shades. 1/8 oz. 45c.....\$.25
- 2875 **Plumarius Mixed.** Single prettily fringed flowers, very sweet scented and charming. 1/4 oz. 30c......10

Didiscus

(Blue Lace Flower)

- 2885 **Coeruleus.** This elegant annual plant blooms abundantly from July until November. The flowers are of an exquisite "lacy" texture hard to describe. A delicate lavender shade and invaluable for cutting. Height 18 inches. 2 pkts. 25c. 1/4 oz. 60c..... .15

Digitalis

(Fox Glove)

Fox gloves are tall, showy, hardy plants with green spikes of closely set flowers in many attractive shades. They are favorites in the hardy border and for growing between shrubs and in shady places. Sow in spring or fall. Height 4 to 5 feet.

- 2890 **Gloxiniaeflora.** Handsome spotted Gloxinia-like flowers on long spikes. Mixed colors. 1/4 oz. 30c.....\$.10

Dimorphotheca

(African Orange Daisies)

These are among the best winter flowering annuals. If started in September they begin to bloom in January. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of bloom.

- 2891 **Aurantiaca.** Bright Orange. 1/4 oz. 50c.....\$.10
- 2892 **Finest Hybrids Mixed.** Color s range from white, cream and salmon to deep orange. 1/4 oz. 50c......10
- 2893 **Golden West.** Superb Golden Yellow. 1/4 oz. 65c......10
One packet each of the 3 sorts for 25c.

Erythrina

(Coral Tree)

- 2915 **Crista Galli.** Handsome decorative plant, producing showy racemes of rich scarlet flowers..... .25

ESCHSCHOLTZIA

Large Flowering Sorts

The Golden Poppy of California, a native of our valleys and hillsides, has become one of the favorite garden annuals throughout the world. Many new shades have been obtained and the existing flowers have been greatly improved in size and color through cultivation and selection.

They thrive in any garden soil and should be sown where they are to bloom thinning the plants to 6 or 8 inches apart. Height 1 to 1 1/2 ft.

Seven Splendid New California Poppies

- 2941 **Tango.** Bronze red and terra cotta.
- 2932 **Mauve Beauty.** Soft Mauve rose.
- 2937 **Purple Glow.** Rich reddish purple.
- 2928 **Lovely.** Satiny rose suffused salmon.
- 2939 **Scarlet Beauty.** Deep scarlet.
- 2918 **Ballet Girl.** Frilled petals, Carmine outside and creamy white inside.
- 2935 **Orange Flame.** Very erect, splendid for borders. Brightest Orange scarlet.
- 2949 **Richest shades Mixed.** Orange, pink, crimson, scarlet, etc. 1/2 oz. 60c.

Price: All the above varieties 15c per packet.

Collection: One packet each of the seven new shades for 90c.

- 2938 **Rosy Queen.** Soft Rose-pink.
- 2924 **Deep Orange (True California Poppy).** Improved large deep orange, oz. 35c.
- 2925 **Extra Golden.** Rich Yellow.
- 2927 **Golden West.** Large two-toned Canary and Orange yellow, oz. 30c.
- 2931 **Mandarin.** Orange and Mandarin red.
- 2942 **The Geisha.** Fluted petals, golden inside and red outside.
- 2945 **Vesuvius.** Wallflower red.
- 2923 **Waller's Crimson.** Improved large Carmine crimson, oz. 75c.
- 2946 **White.** Re-selected pure white.
- 2950 **Mixed.** Many shades of Orange, Yellow and White, oz. 30c.

Price: Any of the above varieties 10c per pkt.

Collection: One packet each of the 9 colors for 65c.

SEEDS

California's Best

TWO NEW GAILLARDIAS

Few cut flowers are so dependable during the warm summer and fall months as these showy, large flowered gaillardias. They are perennial but bloom the first season from seed which may be started at any time of the year in California and Southern States. We especially recommend the two varieties listed below as they are much larger, brighter in color and better in every way than the older types.

- 2969 **Dazzler.** The latest introduction and an immediate favorite with all cut flower growers on account of its dazzling color. It is an intense orange red which is exceedingly effective when cut. Plants are vigorous, stems long and wiry. a superb novelty. 3 pkts. for \$1.00.....\$.35
- 2970 **Portola Hybrids.** A strain of recent introduction which is still among the best. The flowers are extra large, long stemmed and of splendid keeping quality. They are of a vivid red shade tipped with gold, after the manner of the original type but the colors are brighter, clearer and the flowers immense in comparison. 1/8 oz. 50c..... .25

Euphorbia

Strong growing annual about 2 ft. in height. The flowers are inconspicuous; the foliage however in very ornamental.

- 2954 **Variegata (Snow on the Mountain).** Leaves heavily margined white.....^{PER PKT.} \$.10
- 2955 **Heterophylla (Annual Poinsettia or Mexican Fire Plant).** In mid-summer the top center leaves of the branches turn scarlet giving the general effect of the Poinsettia.15

Ferns

Should be grown in a peaty, sandy soil and moist shady position. Sow seed on the surface in seed pans or pots.

- 2959 **Greenhouse Species.** Many choice sorts mixed.
- 2960 **Open Ground Species.** Hardy sorts mixed.
Price of the above per packet 15c each.

Freesia

Freesias although better known as bulbous plants, may easily be brought in flower from seed in one year.

- 2963 **Refracta Alba.** The well known creamy white species.^{PER PKT.} \$.10
- 2965 **Rainbow Mixed.** Many beautiful shades including Carmine, Orange, Golden Yellow, etc..... .25

Gentiana

An alpine plant much used in rock work and for borders, 3 to 4 inches high.

- 2981 **Acaulis.** Intense blue.....^{PER PKT.} \$.10

Geranium (Pelargonium)

- 2983 **Zonale Mixed.** Very interesting to grow from seed. Sow indoors early and set out in April or May..... .15



GAILLARDIA
BLANKET FLOWER

DAZZLER

Gaillardia

(Blanket Flower)

Both the annual and perennial strains of Gaillardias are effective and valuable summer flowering plants for bedding, for borders and for cutting. If sown early they begin to bloom in July and continue a mass of bloom until late fall, blooming also in winter in all mild sections of the country. Height 2 to 2 1/2 feet.

- 2977 **Picta.** Annual, Crimson and Orange. 1/2 oz. 30c.
- 2980 **Lorenziana Double Mixed.** Superb double flowering strain. Annual. 1/2 oz. 45c.
- 2972 **Grandiflora Maxima.** Perennial, Golden Yellow.
- 2973 **Grandiflora Sanguinea.** Perennial, Blood-red with yellow border.
- 2975 **Grandiflora Superb Mixed.** Very large flowers in splendid combinations of Crimson and Gold. 1/2 oz. 45c.

Price of all the above per packet 10c.

GERMAIN'S

Los Angeles - - - - Since 1871



GERBERA
(Transvaal Daisy)

NEW
HYBRIDS
MIXED

Gerbera

(Transvaal Daisy)

The original bright Scarlet form was introduced from South Africa, but new colors quickly appeared and today a remarkable range is to be found in the New Hybrid Strain offered below.

The seed should be sown in seed pans of light, well drained soil, under shelter, and the young plants later set out in good rich soil with plenty of drainage and in a sunny spot.

- | | |
|---|--------------------|
| 2988 Jamesoni. Bright Scarlet..... | PER PKT.
\$.25 |
| 2990 New Hybrids Mixed. Many new shades in superb mixture. | .25 |

Geum

(Avens)

A hardy perennial border plant of great beauty and succeeding admirably in California where it blossoms practically the entire year. Sow seed in boxes and transplant out of doors in spring. 1½ to 2 feet.

- | | |
|--|--------------------|
| 2994 Mrs. Bradshaw. Large double brilliant Scarlet, constantly in bloom..... | PER PKT.
\$.10 |
| 2992 Lady Stratheden. A new Golden Yellow with large full flowers of great beauty..... | .25 |

Gillia

- | | |
|--|-----|
| 2996 Capitata. A graceful annual with feathery foliage and globular heads of rich lavender blue flowers excellent for cutting. They may also be dried..... | .10 |
| 2998 Tricolor Mixed (Bird's Eyes). Pretty annual about 1 foot high with pale lilac flowers. Yellow towards the center and with purple spots. Oz. 30c..... | .10 |

Gladiolus

(Sword Lily)

Widely known and usually propagated from bulbs. They are however easily raised from seeds blooming usually the second year. Seeds saved from our own extensive fields.

- | | |
|---------------------------------|--------------------|
| 3003 Selected Choice Mixed..... | PER PKT.
\$.25 |
|---------------------------------|--------------------|

Gloxinia

- | | |
|--|-----|
| 3004 Hybrida Grandiflora. One of the most beautiful flowering pot plants for the house or conservatory. Sown in early spring in seed pans and later potted they bloom in 5 months. They thrive best in a mixture of peat, loam and sand..... | .50 |
|--|-----|

Godetia

Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting.

- | | |
|---|--------------------|
| 3020 Single Very Choice Mixed. ½ oz. 45c..... | PER PKT.
\$.10 |
|---|--------------------|

Large Flowered Tall Double Sorts

- | | |
|---|--|
| 3021 Carmine. Rich Carmine Center with lighter margin. ¼ oz. 35c. | |
| 3026 Lilacina. Mauve lilac. ¼ oz. 35c. | |
| 3024 Rose. Bright rose shade with Carmine at base. ¼ oz. 35c. | |
| 3022 Crimson. Deep Crimson heavily margined rosy red. ¼ oz. 35c. | |
| 3030 Tall Double Mixed. All colors. ¼ oz. 30c. | |
- Price: Any of the above varieties 10c per pkt.

Gypsophila

(Baby's Breath)

The Gypsophilas in both the annual and perennial varieties are very popular for mixing with other flowers. The light feathery sprays of tiny white flowers are exceedingly graceful. The annual strain may be started at intervals throughout the year and should be sown where the plants are to bloom. The perennials require somewhat longer to come into bloom, but once established they furnish quantities of flowers each season.

Annual Sorts

- | | |
|---|-----|
| 3043 Elegans Rosea. Small light pink flowers, oz. 45c..... | .10 |
| 3044 Elegans White. Small white, tinged lavender, per oz. 30c..... | .10 |
| 3045 Grandiflora Alba. Greatly improved, large flowers and pure white, per oz. 35c..... | .10 |

Perennial Varieties

- | | |
|--|-----|
| 3046 Paniculata. Large panicles of tiny white flowers, 30c per ¼ oz..... | .10 |
| 3047 Paniculata Double. New double flowering variety..... | .25 |

Helenium

(Sneeze Wort)

Strong growing hardy perennial 3 to 5 feet tall; succeeding anywhere and giving an enormous crop of flowers in the fall.

- | | |
|---|--------------------|
| 3116 Autumnale. Bright Golden Yellow flowers..... | PER PKT.
\$.15 |
|---|--------------------|

SEEDS

California's Best

Helianthus

(Sunflower)

Tall, rapidly growing plants mostly annuals 6 to 7 feet in height and producing an abundance of large showy flowers. They are effective for screens, backgrounds, among shrubbery and are useful for cutting. Sow in spring in their permanent location.

- 3119 **Double Chrysanthemum Flowered.** Large perfectly double flowers of a rich golden yellow, 45c per ½ oz.
- 3122 **Double Flowered Dwarf (Globe of Gold).** A very double sort of dwarf habit, 30c per ½ oz.
- 3123 **Cucumerifolius (Miniature sunflower).** Single rich yellow flowers in great abundance, 30c per ¼ oz.
- 3124 **Stella.** A variety of the above, flowers golden yellow with black disc, 45c per ½ oz.
- 3126 **Red Hybrid.** The nearest approach to a red sunflower, 40c per ½ oz.
- 3127 **Augustiflorus (Autumn Glory).** A perennial sort producing great masses of bloom in late autumn.

Price: Any of the above varieties 10c per pkt.

Heliotrope

(Cherry Pie)

Very attractive perennial plants valuable for bedding in semi-shaded location or may be trained up as climbers. Seeds sown under cover in early spring will make blooming plants by summer or they may be sown in the open in May.

- | | PER PKT. |
|---|----------|
| 3148 Royal Dark Blue. Large heads of deep purple flowers. | \$.25 |
| 3150 Choice Mixed. A fine strain containing many shades of lavender, purple and white..... | .10 |

Hesperis

- 3151 **Matronalis (Sweet Rocket or Dame's Violet).** An old favorite perennial plant used for borders, rockeries, etc. Flowers purple, sweet scented. 18 inches.....

HOLLYHOCKS

Indispensable wherever height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers, rise to a height of 6 or 7 feet and are strikingly effective in groups, in rows, as a background or planted among the shrubbery. Seed sown early indoors and transplanted will bloom late the same year; if sown in late summer or fall they bloom throughout the following season.

Germain's Improved Double Varieties

- | | |
|---|---|
| 3164 Germain's Double Crimson. Rich deep red. | 3171 Germain's Double White. Pure white. |
| 3166 Germain's Double Pink. Bright rose pink. | 3173 Germain's Double Yellow. Clear satiny yellow. |
| 3167 Germain's Double Maroon. Velvety dark maroon. | 3175 Germain's Double Mixed. All colors. |

Price: Any of the above varieties 10c per pkt.



HOLLYHOCK

Hibiscus

(Marshmallow)

- 3160 **Mallow Marvels.** Robust perennials, 5 to 6 feet high, bearing profusely large flowers in shades of red, rose and white. They bloom from July until October and adapt themselves to any soil or situation.....

Heuchera

(Coral Bells)

- 3155 **Sanguinea.** Delightful low border perennial about 1 ft. high producing many graceful stems of bright coral red bell-shaped flowers. Sow the seed in boxes early in fall or in spring and transplant.....
- 3156 **Sanguinea Finest Mixed.** Similar to the above, but in varied shades of red, pink and white.....

GERMAIN'S

Los Angeles - - - - Since 1871



LARKSPUR

Hollyhocks (Continued)

- 3178 **Allegheny Mixed.** Semi-double flowers, beautifully fringed. 50c per $\frac{1}{4}$ oz. PER PKT. \$.10
- 3180 **Finest Single Mixed.** Large single flowers in many shades, vigorous, tall habit, 40c per $\frac{1}{2}$ oz. .10

Honeysuckle, French

(*Hedysarum*)

- 3115 **Coronarium.** Profuse blooming perennial about 3 feet in height, succeeds well anywhere and is particularly valuable for seaside planting. Colors red and white mixed, 50c per $\frac{1}{2}$ oz. .10

Honesty

(*Lunaria*)

- 3185 **Biennis.** A biennial plant of the easiest culture usually re-seeding itself after a first planting. It grows 18 inches high, has purple flowers and is especially interesting when dried. The diaphanous inner linings of the seed pods, after hulls are removed, present a very decorative effect. 30c per $\frac{1}{4}$ oz. .10

Hunnemannia

(*Mexican or Giant Yellow Tulip Poppy*)

- 3190 **Fumariaefolia.** A perennial, flowering the first year from seed and blooming through the greater part of the season. The poppy-like flowers are similar to the California poppy but of a lighter canary yellow. They are excellent for cutting, keeping a long time in water. 45c per $\frac{1}{2}$ oz. .10

Impatiens

- 3196 **Sultani** (*Sultan's Balsam*). Charming free flowering perennials for bedding in semi-shade or for pot culture. The wavy, bright rosy scarlet flowers are produced almost continuously. Sow in pans or boxes and transplant. .25

Jacoboea

(*Senecio*)

- 3226 **Double Choicest Mixed.** Very interesting annual $1\frac{1}{2}$ ft. high, closely resembling the pompon crysanthemum in form and also in range of colors which includes rose, copper, magenta red, etc. Flowers freely through the summer from seeds sown in spring. .25

Kochia

(*Summer Cypress or Belvedere*)

- 3229 **Childsi.** Attractive annual for borders, etc., resembling a young cypress in general appearance. In the fall the cold nights color the foliage to a deep crimson. 30c per oz. .10

Lantana

- 3235 **Dwarf Mixed.** Bushy plants about 1 ft. high bearing constantly showy heads of Verbena-like flowers. They are perennial; a permanent bedding material of the first order. .25
- 3234 **Tall sorts mixed.** Shrubby perennials growing 3 to 4 feet high and producing their showy orange, red or yellow flowers continuously throughout the year. 60c per oz. .10

Larkspur

(*Annual Delphinium*)

Tall Double Stock-Flowered

Old time favorites as they are, there are few annuals in our gardens today to equal the Larkspurs' usefulness and charm. The double stock-flowered strain here offered is a note-worthy improvement on the older forms. The plants are heavily branched, grow to a height of 3 feet or more and produce a continuous succession of bloom from early summer until fall. Invaluable for summer bedding and border planting, they are also one of the most dependable sources of cut flowers over a period of months. Sow in the open in early spring or fall.

- | | |
|-------------------------------|----------------------------|
| 3238 Dark Blue. | 3248 Bright Violet. |
| 3243 Lilac. | 3246 Bright Rose. |
| 3244 Lustrous Carmine. | 3245 Rosy Scarlet. |
| 3249 White. | |

Price 30c per $\frac{1}{4}$ oz.; 10c per pkt.

Collection: One packet each of seven colors, 50c.

- 3250 **Tall Double Stock-Flowered Mixed.** All shades, 35c per $\frac{1}{4}$ oz. PER PKT. \$.10

ROSES

California's Best

Lavandula

(Lavender)

- 3268 **Vera.** The true sweet lavender, a well known perennial and fine for the mixed border. ¼ oz. 30c..... .10

Lavatera

(Annual Mallow)

- 3266 **Trimestris Mixed.** Very beautiful annuals 3 to 4 feet high, with large satiny flowers in shades of Carmine, rose and white; 35c per ½ oz..... .10

Linaria

- 3290 **Maroccana Choice Mixed.** Pretty annuals 12 to 15 inches high, valuable for massing or low borders..... .10
- 3284 **Cymbalaria (Kenilworth Ivy).** Delightful perennial trailing plant for rockwork, baskets, window boxes, etc. Flowers lavender and purple..... .25

Linum

(Scarlet Flax)

- 3292 **Grandiflorum Rubrum.** A brilliant and attractive annual of long duration. Sown in permanent location in fall for early spring bloom or sow in spring for summer blooming. Flowers bright scarlet, abundantly produced, 40c per oz..... .10
- 3291 **Perenne.** (Perennial Flax). Bright blue..... .10

Lobelia

The annual varieties of Lobelia we offer are dwarf compact plants 4 to 6 inches high or trailing sorts used for baskets, urns, etc. They are remarkably free flowering, blooming continuously from June to November.

Lobelia Cardinals is a very desirable perennial plant.

- 3296 **Crystal Palace Compacta.** Rich deep blue of erect, bushy growth. Leaves deep bronzy green. Ideal for edging, beading and ribbon borders.....\$.10
- 3297 **Emperor.** Clear Light Violet or sky blue..... .10
- 3301 **White Gem.** Compact bushes covered with snow white blossoms.10
- 3303 **Pendula Hamburgia.** Clear blue with distinct white eye, trailing habit, very popular for hanging baskets..... .15
- 3308 **Cardinalis (Cardinal Flower).** Showy perennial with spikes of brilliant scarlet flowers, height 3 feet..... .25

Lupinus

(Lupine)

The annual Lupines are easily grown, free flowering plants 2 to 3 feet high, useful for beds, borders and for cutting. While they seem to prefer a little shade, they are very easy to grow in any ordinary soil or situation. Sow in spring or fall preferably where they are to bloom.

- 3313 **Dark Blue.** 3316 **Rose.**
- 3314 **Light Blue.** 3312 **White.**
- 3321 **Nanus Dwarf Blue.** 1 3320 **Choice Annual Mixed.**
to 1½ ft. high. 35c per oz.
- 3322 **Polyphyllus Mixed.** Effective perennials 3 ft. in height in all shades of blue, rose and white.

Price: Any of the above 10c per pkt.



MARIGOLD
FRENCH

Lychnis

(Jerusalem Cross)

- 3327 **Chalcedonica.** Very brilliant hardy perennial 2 to 3 feet high, flowers vivid scarlet.....\$.10
- 3328 **Haageana Hybrids.** Superb shades of orange, crimson, etc., height 1½ ft..... .10

MARIGOLDS

(Tagetes)

The African and French Marigolds enjoy a well deserved popularity. They form excellent material for summer bedding and mixed borders and offer an endless supply of splendid cut flowers. The diversity of orange and yellow shades in which they abound permits of most effective contrasts in decoration if combined with the blues and purples of Larkspur, Cornflower, etc. Sow in early spring in a sunny exposure. While they thrive most anywhere they appear most successful in light soils.

Choice French Marigolds

- 3341 **Legion of Honor (Little Brownie).** Very popular single variety or compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers from spring until late fall. 25c per ¼ oz..... .10
- 3342 **Double Dark Brown.** Very double flowers of rich orange brown. 25c per ¼ oz..... .10
- 3343 **Double Orange.** Bright orange, flowers good size and perfectly double. 25c per ¼ oz..... .10
- 3345 **French Dwarf Double Mixed.** A choice mixture of many double sorts. 30c per ½ oz..... .10
- 3350 **Tall, Double.** Mixed. 30c per ½ oz..... .10

GERMAIN'S

Los Angeles - - - - Since 1871

Mathiola

(Night Scented Stock)

- 3354 **Bicornis.** A delightful free flowering annual ½ ft. in height. Flowers are purple, not very showy, but are noted for their entrancing fragrance emitted during the evening.....\$.10

Matricaria

(Feverfew)

- 3355 **Capensis Double White.** Free blooming perennial 1½ ft. high, desirable for bedding, pots, etc. 30c per ½ oz..... .10
- 3357 **Golden Ball.** Very handsome double button shaped blossoms of deep chrome yellow. 1 foot. The feverfews are very pleasing cut flowers of exceptional keeping quality.15

Mesembryanthemums

(Fig Marigold)

- 3368 **Crystallinum (Ice Plant).** Annual of trailing habit producing attractive white flowers. Leaves are coated as if with ice. 25c per ½ oz..... .10
- 3369 **Tricolor Mixed (Dew Plant).** Valuable trailing, fleshy leaved plants for rock work, dry banks, etc.; annual. Colors lavender, rose, etc. The ice plants thrive in hot sunny places and sandy soils. 30c per ¼ oz..... .10

Mignonette

(Reseda)

Mignonette should be sown at intervals throughout the year. It thrives in ordinary garden soil and may be potted for winter use in colder sections. Through its exquisite fragrance this well known favorite has maintained a universal popularity and no garden seems complete without it.

- | | PER PKT. |
|--|----------|
| 3376 Germain's Triumph. A superb variety with individual florets of remarkable size borne on spikes 12 to 15 inches long and very sweetly scented. 50c per ½ oz..\$ | .15 |
| 3375 Machet Improved. Compact growth, numerous light colored spikes and fragrant. 40c per ¼ oz..... | .10 |
| 3371 Red Goliath. Very large spikes of a pronounced red shade. 50c per ¼ oz..... | .15 |
| 3372 White Goliath. Great spikes with large florets giving a decided white appearance to the massive flowers. 50c per ¼ oz..... | .15 |
| 3380 Sweet Mignonette (Reseda Odorata). The old-fashioned favorite, very sweetly scented. 30c per oz... | .10 |
| Collection of one packet each of the five sorts for 60c. | |

Mimulus

(Monkey Flower)

Brilliant perennials for bedding in partial shade or pot culture. They bloom the first year if started early. The seed is fine and should be sown in seed pans and very lightly covered. Height 1½ feet.

- | | PER PKT. |
|--|----------|
| 3383 Cardinalis (Scarlet Monkey Flower). Rich dark red. 2 pkts. for 25c..... | .15 |
| 3385 Tigrinus Grandiflorus. Superb spotted and tigersed strain, large flowered. Mixed. 2 pkt. for 25c..... | .15 |
| 3384 Moschatus (Musk Plant). Small yellow flowers, attractive for pots or baskets. Foliage musk scented. 2 for 25c..... | .15 |

MARIGOLD AFRICAN
ORANGE PRINCE

Choice African Marigolds

- | | PER PKT. |
|--|----------|
| 3335 Orange Prince. Large, perfectly double quilled flowers of a rich deep golden orange. The largest and most showy of them all. 50c per ¼ oz..... | .15 |
| 3334 Lemon Queen. Almost an exact counterpart of Orange Prince, except in color which is a most pleasing even lemon yellow. 50c per ¼ oz..... | .15 |
| 3340 Choicest Double African Mixed. Contains many shades of orange and yellow 2 to 3 ft. 40c per ½ oz... | .10 |
| 3347 Australian Giant or Grendon Tree Marigold. Flowers not unlike the French, but bushes reach a height of several feet. ¼ oz. 40c..... | .15 |

Marvel of Peru

(Four O'Clock)

- 3352 A handsome and well known garden favorite. Extremely free flowering and succeeding everywhere. Perennial 2 ft. Finest mixed colors. 30c per oz..... .10

SEEDS

California's Best

Mimosa

(Sensitive Plant)

- 3382 **Pudica.** Very curious and interesting plant with "sensitive" foliage which droops and closes when touched or shaken. Flowers light pink. Perennial, 2 ft.10

Myosotis

(Forget-me-not)

Handsome spring flowering perennial flowers well known and admired by everyone. They succeed best in a moist shady location. Sow in fall in seed boxes and transplant.

- | | | |
|--|----------|-----|
| | PER PKT. | |
| 3393 Alpestris Blue. Rich blue, floriferous and effective; 9 inches. 45c per 1/4 oz. | \$ | .10 |
| 3396 Victoria. Very bushy and compact with large heads of clean, azure blue flowers. | | .15 |
| 3400 Alpestris Mixed. Many shades of blue, rose and white. 45c per 1/4 oz. | | .10 |
| 3403 Palustris Semperflorens (Marsh Forget-me-not). An ever blooming strain producing numerous sprays of clear blue flowers practically all summer. 2 pkts. for 25c. | | .15 |
| 3402 Dissitiflora. Large flowered dwarf variety, bright blue. 2 pkts. for 25c. | | .15 |

NASTURTIIUMS

For color, length of bloom, ease of culture and general usefulness in the flower garden the nasturtium has no equal. Where winters are mild as in Southern California Nasturtiums may be sown practically any time and within a few weeks the brilliantly colored flowers begin to appear, continuing in bloom the entire season. They are usually sown where they are to bloom and the seed is covered about 1 inch with soil. Nasturtium flowers used in shallow bowls, much as one would pansies, make a delightful table decoration. In some countries the leaves are eaten in salads and, here, they are given as greens to cage birds; canaries especially relish them. The green seed pods are often used for pickling.

Dwarf Sorts or Tom Thumb Nasturtiums

- 3432 **Bronze.** Deep bronze yellow.
 3436 **Empress of India.** Crimson with dark foliage.
 3437 **Golden King.** Rich golden yellow.
 3438 **King of Tom Thumbs.** Deep rich scarlet with dark foliage.
 3439 **King Theodore.** Dark maroon red, dark-leaved.
 3441 **Lady-Bird.** Golden yellow marked and spotted with crimson.
 3442 **Pearl.** Cream white.
 3443 **Prince Henry.** Cream marked and blotched red.
 3445 **Rose.** A beautiful soft rose.
 3448 **Salmon Queen** or Vesuvius. Deep Salmon.
 Price: Any of the above 25c per oz.; 10c per pkt.
 Collection of one packet each of the ten sorts for 75c.

- | | | |
|---|----------|--------|
| 3450 Large Flowering Dwarf Mixed. All shades. | PER PKT. | 15c |
| per oz. | | \$.10 |



SCABIOSA CAUCASICA

Giants of California Nasturtiums

Properly supported, Nasturtiums of the giant strain quickly grow to a height of eight feet or more. They make good screens, cover lattices and fences and may be used as creepers on banks, rockwork or any unsightly bare space in the landscape.

- 3405 **Butterfly.** Bright yellow spotted with delicate salmon.
 3406 **Chameleon.** Produces flowers of several different shades on the same plant.
 3407 **Dark Crimson.** Rich red.
 3408 **Edward Otto.** A unique shade of brownish lilac.
 3411 **King Theodore.** Maroon red with dark purple green foliage.
 3412 **Dunnett's Orange.** Bright orange yellow.
 3413 **Pearl or Moonlight.** Creamy White.
 3417 **Schultzii.** Large bright scarlet.
 3418 **Vesuvius.** A very pleasing shade of Salmon rose.
 3419 **Yellow.** Rich canary yellow.

Price: All the above varieties 20c per oz.; 10c per pkt.

Collection of one packet each of the ten sorts for 75c.

- | | | |
|--|----------|--------|
| 3420 Tall Giants of California Mixed. A wonderful mixture of giants sorts. 15c per oz. | PER PKT. | \$.10 |
| 3422 Ivy Leaved Mixed. Leaves prettily veined. 20c per oz. | | .10 |

GERMAIN'S

Los Angeles - - - - Since 1871



PETUNIA RUFFED GIANT

Penstemon

Lovely perennials for beds, borders, etc., growing 2 or 3 feet high. Continuously in bloom, the bushy plants being a mass of flower spikes closely set with Gloxinia-like flowers in all shades of red, rose, salmon, lavender and purple. Sow the seed in fall or in the early spring in seed pans or boxes and transplant when large enough to handle.

3569 **New Giant "Sensation."** Superb large flowers beautifully marked and spotted. 1/16 oz. for 50c.....\$.25

3570 **Finest Mixed.** Choice mixture of many shades; tall and large flowered. 1/16 oz. for 30c15

Perilla

3574 **Nankinensis.** Annual foliage plant about 2 feet high with highly ornamental dark purple leaves. 1/4 oz. 30..... .10

Physalis

(Chinese Lantern)

3644 **Franchetti.** Attractive and interesting perennial, flowering the first season from seed. Especially popular for its lantern-like fruits which can be cut and dried for winter use. 1/8 oz. 30c..... .10

Platycodon

(Chinese Bellflower)

3608 **Grandiflora Mixed.** Very desirable perennials for the hardy border. Flowers in shades of blue and white. Seed sown in April usually produces blooming plants in August. 1/8 oz. for 40c..... .10

Pansy Culture

The seeds should be sown preferably in the early fall in seed boxes or a seed bed of prepared soil. A mixture of one part each loam, sand and well rotted manure, all well sifted and thoroughly mixed, is best. Press this down well and scatter the seed evenly over the surface. Then cover with not more than 1/8 inch of the same soil and again press down the surface. Place a piece of burlap over the bed and keep well watered for 10 or 12 days. Then remove the cloth, tack it to a frame and replace it over the bed, this time keeping it a few inches above the surface by means of small posts or other support. After a week or so keep the frame in place during the hottest part of the day only and a few days later discard it entirely.

When large enough to handle conveniently, transplant the young seedlings to their permanent location. In preparing the soil for their reception be sure to spade it well and to incorporate at the same time a liberal amount of well-shredded rotted manure. Really good pansies cannot be obtained unless an adequate quantity of fertilizer is used. After planting cover the soil with a layer of well rotted and sifted manure, this acts as food and mulch combined. Water regularly in dry weather.

Pansies may also be started later in April or May for summer blooming and will do well in sun or partial shade.

Nemesia

3460 **Grandiflora Suttoni.** A very pretty and effective annual 1 ft. high, used for beds and low borders and edging. The flowers are not unlike a miniature Snapdragon and appear in shades of rose, yellow, orange, blue, etc. 1/8 oz. 75c..... .25

Nicotiana

3467 **Affinis (Tuberoso-flowered Tobacco).** Free flowering annuals with deliciously scented tubular white flowers, growing 2 to 3 ft. in height. 30c per 1/2 oz..... .10

3470 **Sanderac Hybrids.** Large flowering hybrids. Very showy, in a great variety of colors. 30c per 1/4 oz..... .10

Nierembergia

3471 **Calycina (Gracilis).** Graceful perennials 1 to 1 1/2 ft. used for hanging baskets, rock work or bedding. Flowers lavender.15

Nigella

(Love-in-a-Mist)

3475 **Damascena Double Mixed.** Compact free-flowering annuals with finely cut foliage and curiously formed flowers and seed pods. Easily grown anywhere from seed sown in the open in the spring. 25c per 1/2 oz..... .10

3473 **Miss Jekyll.** A distinct and lovely sort with rich cornflower blue flowers, good for cutting. 18 inches. 25c per 1/4 oz..... .10

SEEDS

California's Best

Pansies

Pansies are such universal favorites and they are so well beloved by all who take an interest in gardens that a little special care in growing them will be well repaid by the admiration of your friends and satisfaction to yourself.

First of all a good strain must be used—that is all important. The best pansies are shy seeders, which explains the relatively high cost of better pansy seeds. But this small increase in price will seem very insignificant when the results are seen.

Germain's Superb Giant Prize

Pansies

- 3485 **Adonis.** Light Blue.
- 3493 **Golden Queen.** Pure Golden Yellow.
- 3489 **Emperor.** Rich Cornflower blue.
- 3490 **Cardinal.** Brilliant deep scarlet.
- 3509 **Snow Queen.** Glistening pure white.
- 3536 **Germain's Giant Prize Mixture.** Containing a full selection of all giant flowered varieties in plain colors and the fancy blotched and shaded sorts. A strain unexcelled for beauty and variety of color. $\frac{1}{8}$ oz. for \$1.25.

Price: *Any of the Giant Prize sorts 25c per pkt.*

Giant Prize Collection: One packet each of the six sorts for \$1.00.

Giant Exhibition Pansies

- 3488 **Giant Bridesmaid.** Delicate blush and rose.
- 3494 **Giant Hortensia.** Hortensia red with dark eye.
- 3497 **Giant Lord Beaconsfield.** Upper petals light lavender shading to deep purple at the lower part of the flower.
- 3499 **Giant Madame Perret.** Exquisite wine shades on white ground.
- 3501 **Giant Peacock.** Superb Peacock blue with various shadings.
- 3502 **Giant Prince Bismarck.** Light brown.
- 3491 **Giant Royal Purple.** Velvety deep purple.
- 3496 **Giant King of the Blacks.** Velvety black.
- 3506 **Giant St. Knud.** Bright orange.
- 3510 **Giant Comet.** Novel flower, white ground with blue rays.

Price: *Any of the above varieties 25c per pkt.*

Collection: One packet each of the ten Giant Exhibition Pansies for \$2.00

Large Flowering Trimardeau Varieties

A very fine and well known strain producing flowers of large size in many bright and attractive colors. Their exceptionally free blooming habit makes them universally popular for bedding.

- 3515 **Light Blue.** 3527 **Blood Red (Victoria).**
- 3532 **Golden Yellow.** 3523 **Lavender and Blue.**
- 3518 **Royal Blue.** 3529 **White with Black Center.**
- 3519 **Gold Margined.**

Price: *Any of the above varieties 10c per pkt.*

Collection of one packet each of the 8 Trimardeau Pansies for 65c



Germain Superb Pansy Strains in Mixture

PER PKT.

- 3538 **Germain's New American Giants Mixed.** Enormous flowers freely produced on exceptionally robust, stocky plants of upright habit. The supremacy of this magnificent new American strain lies not only in the astonishing size of the blooms but in the extraordinary vigor and bearing of the plants, while in richness of coloring they rival all existing strains.....\$1.00
- 3543 **Germain's Miracle Mixed.** A florist's strain of surpassing merit. Flowers of the very largest size on long stems excellent for cutting. Colors rich and varied. $\frac{1}{16}$ oz. for \$1.50..... .50
- 3546 **Masterpiece (Frlled or Ruffled Pansies Mixed).** A beautiful and unique type. Large flowers in all the richest colors; the waved petals frequently giving them the appearance of double Pansies. $\frac{1}{8}$ oz. for \$1.00.... .25
- 3550 **Giant Trimardeau.** Fine strain of large French Pansies containing many blotched and stained varieties. $\frac{1}{8}$ oz. for 50c..... .10
- 3542 **English Mixed.** The old "Faced Pansy" still very popular. $\frac{1}{8}$ oz. for 60c..... .15
- 3540 **Choice Many Sorts Mixed.** A mixture made up of various strains and containing a wide range of colors. $\frac{1}{4}$ oz. for 60c..... .10

GERMAIN'S

Los Angeles - - - - Since 1881

Superb Double Flowering Petunias

- | | | |
|------|---|----------------|
| 3606 | Extra Large Double Fringed Mixed. An unrivalled strain, producing a large percentage of perfectly double, fringed flowers of the largest size and in all the best shades | PER PKT.
50 |
| 3604 | Extra Select Plain Double Mixed. A superb mixture of very double, plain petal varieties, producing large flowers in many beautiful colors..... | 35 |

Large Single Bedding Petunias

- | | | | |
|---|---|------|--------------------------|
| 3577 | Brilliant Rose. | 3579 | Dark Violet Blue. |
| 3576 | Crimson Red. | 3580 | Pure White. |
| 3594 | Howard's Star. Crimson with five-pointed white star. | | |
| <i>Price of the above 1/8 oz. for 50c; 15c per pkt.</i> | | | |
| 3599 | Germain's Select Bedding Mixed. A remarkably fine large flowered strain in well-balance mixture of bright and delicate shades. Recommended for beds and borders where abundant bloom and variety of color is desired. 1/4 oz. for 75c..... | | |
| 3600 | Good Single Mixed. A vigorous strain, easily grown anywhere. Many bright and attractive colors. 1/4 oz. for 45c. | | |

Dwarf Border Petunias

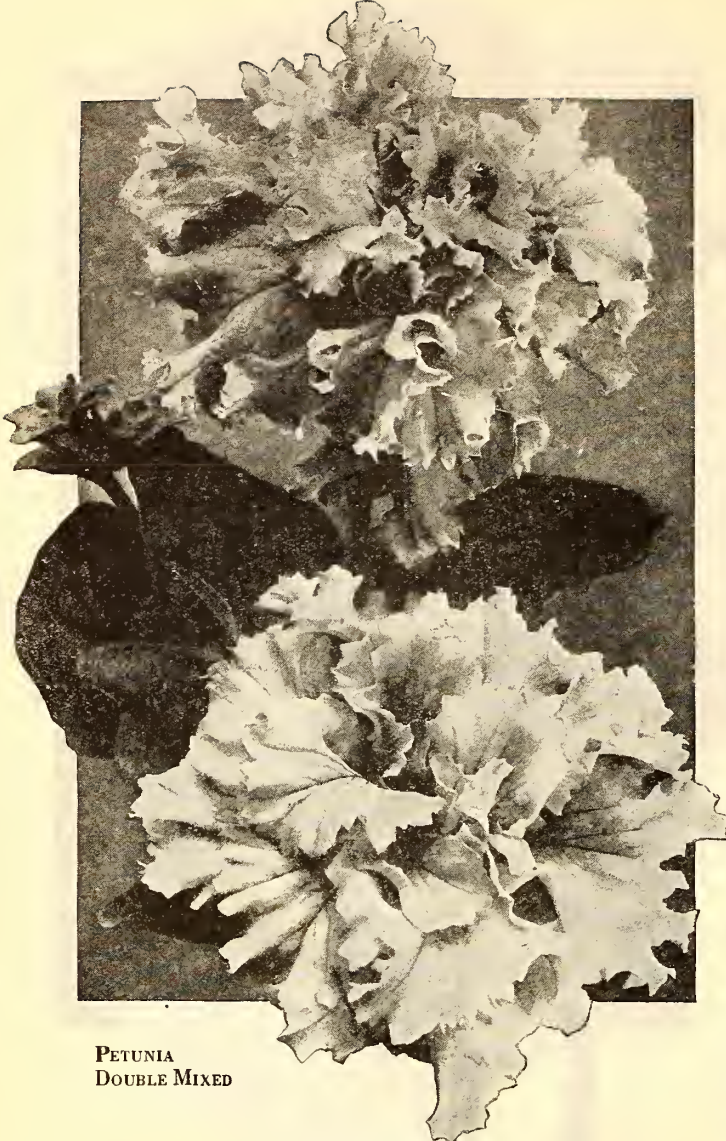
- Excellent material for edging and low ribbon borders. Compact low bushes of very free flowering habit.
- | | |
|------|---|
| 3584 | Rosy Morn. Very popular delicate rose variety. |
| 3587 | Silver Blue. Pleasing light Silvery blue. |
| 3583 | Nana Violacea. Dwarf deep Violet. |
| 3581 | Snowball. The compact bushes are completely covered with innumerable snow white flowers. |
- Price: *The above varieties 1/8 oz. 60c; 10c per pkt.*

Poinciana (Fence Flower)

- | | | |
|------|--|-----------------|
| 3611 | Gilliesii. This beautiful dwarf shrub is sometimes referred to as "Bird of Paradise"; this name is also applied (and with better authority) to <i>Strelitzia Regia</i> , a plant which it in no way resembles. The Poinciana blossoms in one year from seed, the flowers are yellow with bright red protruding stamens several inches in length. 1/4 oz. 45c..... | PER PKT.
.25 |
|------|--|-----------------|

Polyanthus (Primula Elatior)

- Charming early flowering perennials of the primrose family. The flowers attain a height of 8 or 10 inches and are very brightly colored in shades of red, rose and yellow. Sow the seed in boxes in spring and transplant.
- | | | |
|------|---|-------------------|
| 3646 | Superb Large Flowered Mixed. A splendid strain; all the richest shades in gold laced and plain colors..... | PER PKT.
\$.25 |
| 3647 | Choice Mixed. A very fine mixture of good size and brilliant colors. | .10 |



PETUNIA
DOUBLE MIXED

PETUNIA

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained; the coarse growing plants frequently reverting to the common types.

Giant Flowered Ruffled and Fringed

- | | |
|------|--|
| 3591 | Elks' Pride. Very large frilled deep purple. |
| 3592 | Miranda. Beautiful ruffled large deep carmine. |
| 3593 | Pride of Portland. Bright rose pink, ruffled and frilled. |
| 3585 | Potland Beauty. Lovely deep crimson with dark throat and distinctly veined. |
| 3597 | Scarlet Beauty. Large fringed, showy bright scarlet. |

Price. *Any of the above 50c per pkt.*

Collection: One packet each of the above colors for \$2.00

- | | | |
|------|--|-------------------|
| 3598 | Germain's Ruffled Monsters. Extra large, heavily ruffled and fluted flowers in the greatest variety of colors; a distinct yellow throat often marked and veined lends greater depth to this marvelous strain..... | PER PKT.
\$.35 |
| 3602 | Ruffled Giants of California. A justly celebrated strain. Enormous ruffled and frilled blossoms in a surprising range of brilliant colors. 1/64 oz. for \$1.50.... | .25 |

SEEDS

California's Best

Phlox Drummondii

(Texan Pride)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about one foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.

- | | |
|----------------------|---|
| 3621 Bright Scarlet. | 3632 Choice Large Flowered Mixed. |
| 3622 Chamois Rose. | 3636 Cuspidata Mixed (Star Phlox). A distinct strain with pretty star shaped flowers. |
| 3623 Rose Pink. | |
| 3626 Pure White. | |

Price: Any of the above ¼ oz. 60c; per pkt. 10c.

Phlox Decussata

(Perennial Phlox)

- 3640 Handsome herbaceous perennial, a favorite for the hardy border. Flowers are large, brilliant and freely produced on stems 2 to 3 feet high. Sow seeds in seed boxes during the fall and transplant. Price: ¼ oz. 60c. PER PKT. \$.25

Portulaca

(Sun Plant or Rose Moss)

Brilliantly colored and effective low bedding plant, about 6 inches high and with fine foliage giving a mossy effect. Annual. very free blooming and delights in sunny situation. Sow the seeds very shallow in the open in spring and deep moist, a light loamy soil is best.

Single Varieties

- | | |
|---------------------|----------------------|
| 3703 Rich Crimson. | 3705 Bright Scarlet. |
| 3704 Soft Pink. | 3706 Pure White. |
| 3707 Golden Yellow. | |

Price of any of the above varieties 10c per pkt.; ½ oz. 35c.

- 3710 **Finest Single Mixed.** Including all shades of red, rose, yellow and white. ¼ oz. for 45c. PER PKT. \$.10

Double Varieties

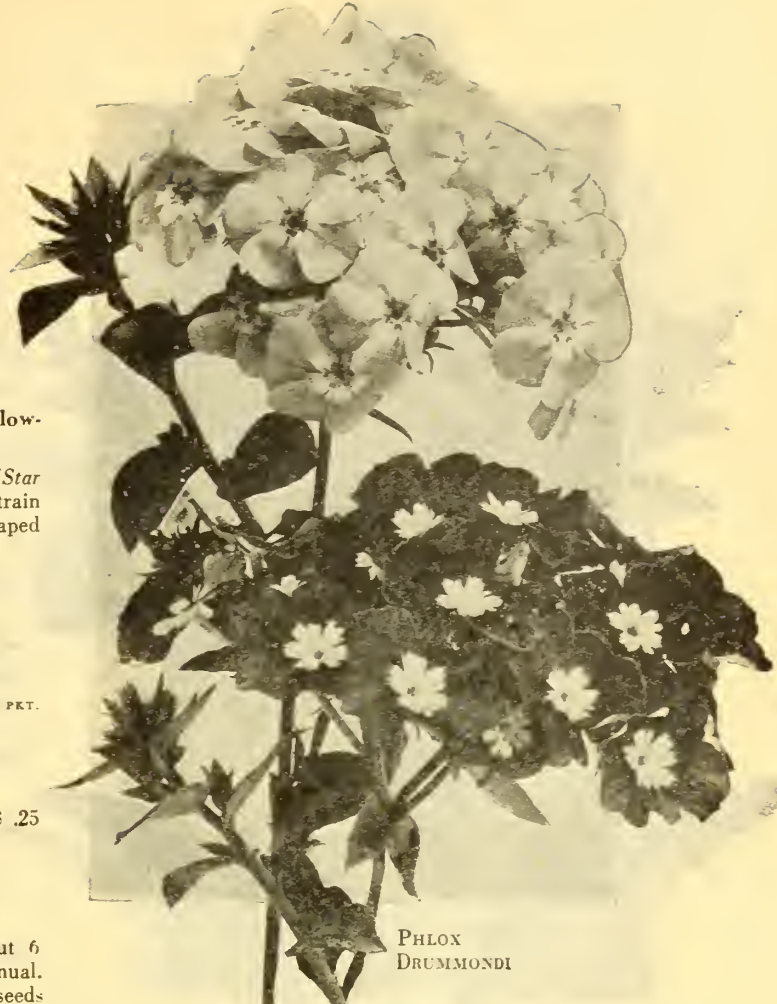
- | | |
|---------------------|----------------------|
| 3713 Double Golden. | 3716 Double Scarlet. |
| 3714 Double Pink. | 3717 Double White. |

Price of the above per pkt. 25c; 5 pkts. for \$1.00

- 3720 **Choice Double Mixed.** A superb strain containing many fine shades and a large percentage of doubles. ½ oz. 75c. PER PKT. \$.15

Pyrethrum

- | | |
|---|-----|
| 3755 Roseum Single Mixed. Perennial 2 feet high, with large Marguerite-like flowers and fine fern-like foliage. Graceful and long lasting cut flowers. ½ oz. 40c. | .10 |
| 3753 Roseum Double Mixed. Beautiful double hybrid strain. 5 pkts. for \$1.00. | .25 |
| 3752 Parthenifolium Aureum. The popular "Golden Feather," much used for low borders and edging; 1 foot. ½ oz. 45c. | .10 |



PHLOX DRUMMONDI

Primula

(Primrose)

All strains of this early flowering perennial are very beautiful. Several, such as Obconia, Malacoides and the English Primrose may be grown in the open in California. The Chinese Primroses are splendid pot plants for indoor culture. Sow the seed in August or September in seed pans of rich loam mixed with sand, cover the seed very lightly and keep in greenhouse or frame. 9 inches.

FRINGED CHINESE PRIMROSES

- | | |
|----------------------------------|--------------------------------------|
| 3731 Aurora. Delicate Rose. | 3734 Marquis of Lorne. Rose. |
| 3732 Coerulea. Blue. | |
| 3733 Crimson King. Rich Crimson. | 3736 Princess Louise. Fleshly White. |

Price: Per pkt., 35c; 3 pkts for \$1.00

- | | |
|---|-----|
| 3740 Superb Fringed Mixed. Containing all shades from white and rose to deep crimson. Flowers very large and prettily fringed. 5 pkts. for \$1.00. PER PKT. \$.25 | |
| 3730 Obconica Gigantea. Very free flowering and of easy culture. Sow in fall or early spring in seed pan, using porous loam, but avoid peat or leaf mold. Keep indoors or in greenhouse. The flowers are large and showy in shades of red, rose, soft pink and white. 5 pkts. for \$1.00. | .25 |
| 3744 Malacoides (The Baby Primrose). A great favorite both for in and out-door culture in mild climates. Blossoms in clusters of numerous minute pale blue flowers, about one foot high. 1/32 oz. \$1.20. | .25 |
| 3749 Vulgaris (English Primrose). Old favorite, canary yellow. | .15 |

GERMAIN'S

Los Angeles - - - - Since 1871

Poppies

Well known favorites of the easiest culture. Invaluable for the annual flower section of any garden. The plants grow 2 to 3 feet high producing freely over a long period lovely, broad petaled flowers of delicate satin texture and in the most exquisite shades. Sow in fall or early spring, cover very lightly and press firm. Plant them where they are to bloom as they do not transplant readily and when large enough thin them out to stand about 6 inches apart.

Single Annual Varieties

- 3651 **Admiral.** Large single white with broad scarlet edge. Oz. 50c.
- 3652 **Danebrog. (Danish Cross).** Bright Scarlet with a white cross in center. Oz. 45c.
- 3654 **Miss Sherwood.** White shading to chamois rose. Oz. 45c.
- 3661 **Tulip or Flanders Poppy.** Vivid Scarlet. Per ½ oz. 45c.
- 3658 **Shirley Rose Pink.** A very beautiful delicate rose shade, exquisite large flowers per ½ oz. 40c.
- 3656 **American Legion.** A greatly improved variety of the true Flanders Poppy. Dazzling Orange Scarlet. ½ oz. 50c.
- Collection: One pkt. each of the above 6 sorts, 45c.
- 3670 **Single Varieties Mixed.** Per oz. 40c.

Price: Any of the above 10c per pkt.

Germain's Improved Shirley Poppies

- 3665 Germain's Improved strain of this lovely type includes an almost endless variety of delicate pink, Salmon and Chamois shades deepening through old rose and soft red to terra cotta, many of the flowers being also suffused with a second shade giving an exquisite two-tone effect, while others still are edged or striped and hardly two flowers can be found exactly alike. ½ oz. 30c.10

Double Annual Poppies

The double annual Poppies produce enormous fully double flowers 3 to 4 inches across and are valuable for cutting as well as splendid garden subjects. 3 feet.

- 3674 **Bright Rose.** 3653 **Mikado.** Red and White striped.
- 3676 **Cherry Red.** 3680 **Carnation Flowered Mixed.**
- 3677 **White Swan.**

Price: Any of the above per oz. 40c; pkt. 10c.

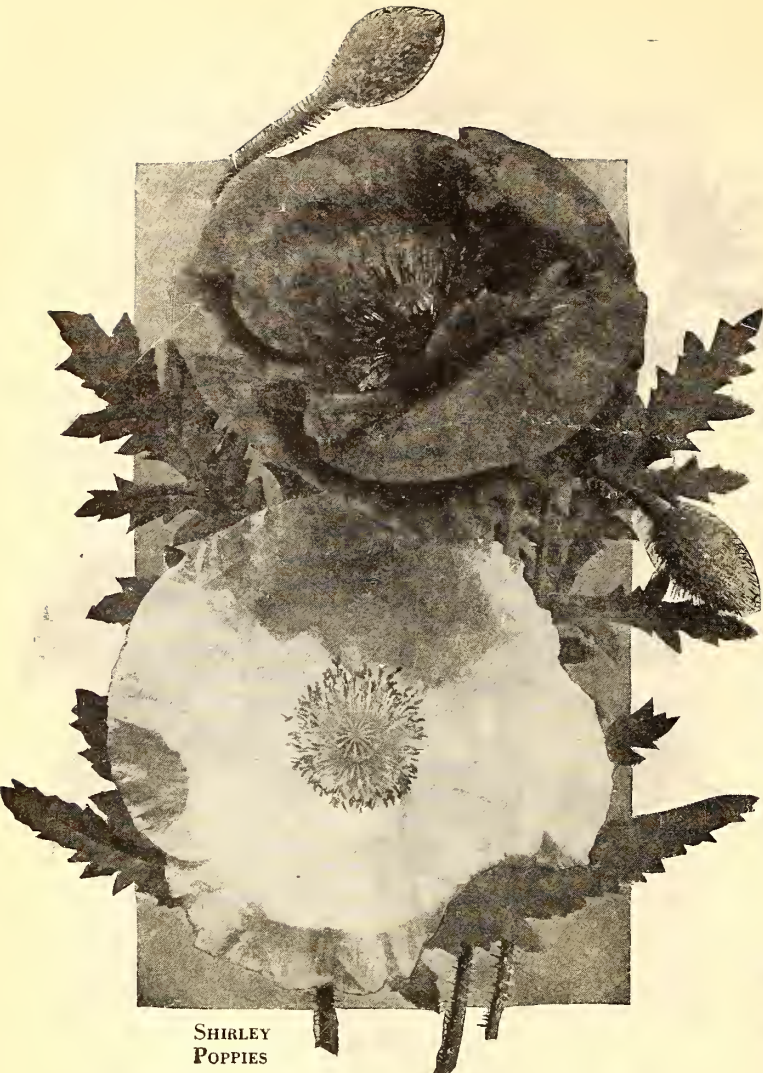
Collection of the five sorts for 40c

- 3681 **Peony-Flowered Mixed.** Large, showy, double Globular Peony-like flowers. Per oz. 40c.....\$.10

Double Shirley or Eldorado Poppies

The Shirley poppies are especially noted for their graceful habit and the delicacy and charm of their lovely flowers. These new double forms are a valuable addition to this brilliant strain.

- 3683 **Double Eldorado.** Salmon.....\$.25
- 3682 **Double Eldorado.** Pink..... .25
- 3685 **Double Eldorado.** Mixed. Many beautiful shades. ¼ oz. 35c..... .25
- 3688 **New Shirley Double Queen (Ranunculus Flowered Shirley).** A beautiful strain rich in vivid colors. ¼ oz. 50c.25



SHIRLEY POPPIES

Iceland Poppy

(Papaver Nudicaule)

Graceful hardy perennials with bright green fern-like foliage, formed in tufts, from which issue slender stalks about 15 inches high bearing brilliant flowers in endless profusion. If sown early in spring they will bloom the first summer. They may be started in seed pans or in the open and thinned or transplanted. Seed pods should be removed regularly to prolong the blooming period

- 3696 **Orange Scarlet**.....\$.10 3700 **Iceland Poppies Mixed.** Per ¼ oz. 60c10
- 3697 **Pure White**10
- 3698 **Bright Yellow**..... .10
- 3701 **Iceland Sunbeams.** A remarkable new strain of Iceland Poppies with fine new shades, longer stems and of excellent keeping quality. Very desirable for cutting. 5 pkts. for \$1.00..... .25
- 3689 **Bracteatum (Tournefort Poppy).** A perennial of strong growth, 3 feet in height, bearing large showy flowers of rich crimson. ¼ oz. 45c..... .10

Perennial Oriental Poppies

Perennials 3 to 4 feet high with stout leafy stems bearing very large richly colored flowers with dark centers. Sow the seeds in spring or early fall in boxes or in the open and later transplant to 18 inches apart.

- 3691 **Orientele Dark Red.** ¼ oz. 50c.....\$.10
- 3695 **Orientele New Hybrids Mixed.** Immense showy flowers in rich and vivid shades. ¼ oz. 60c..... .25

SEEDS

California's Best

Ranunculus

- 3757 **Germain's Giant French Mixed.** Beautiful Perennial, 12 to 15 inches high, bearing in spring quantities of double and semi-double flowers in all shades of red, rose, orange and yellow. Excellent cut flower. If sown early they bloom the first season. $\frac{1}{4}$ oz. 50c..... .10

Ricinus

(Castor Bean)

Large leaved perennial of rapid growth, reaching 6 to 8 feet in height the first season. Ornamental Castor Beans are ideal for backgrounds or wherever a quick tall and bushy growth is desired. The leaves are very large, fan-shaped, and dark in color. They grow easily from seed in any soil and require very little attention but will not stand frost.

- | | | |
|------|--|--------------------|
| 3759 | Cambodgiensis. Dark stems and highly colored leaves. oz. 45c..... | PER PKT.
\$.10 |
| 3761 | Sanguineus. Blood red stems, bronze leaves and red fruit clusters; oz. 40c..... | .10 |
| 3762 | Zanzibariensis. Very large leaves. The plants grow to great size and appear in various shades of red and bronze green; oz. 30c..... | .10 |

Rudbeckia

(Cone Flower)

- 3776 **Bicolor Superba Semi-plena.** Attractive annual, 2 to 3 feet, bearing masses of semi-double Golden Yellow flowers very useful for cutting; $\frac{1}{4}$ oz. 30c..... .10

Salpiglossis

Sun-loving, velvet-petaled annual $2\frac{1}{2}$ feet in height. The richly colored, trumpet shaped flowers are produced in the greatest profusion throughout the season and are magnificent for summer bedding in sunny locations. The plants are easily grown from seed sown in the open in spring or earlier in boxes and transplanted. Space about 1 foot. Splendid for cutting.

- | | | | |
|------|---|------|--|
| 3778 | Chamois. | 3782 | Deep Maroon. |
| 3779 | Crimson, veined with gold. | 3784 | Rose, veined with gold. |
| 3783 | Purple, netted and penciled with gold. | 3786 | White, veined and penciled with gold. |
| | | 3787 | Golden Yellow. |

Price: Any of the above $\frac{1}{8}$ oz. 30c; per pkt. 10c
Collection: One packet each of the seven colors for 50c

- | | | |
|------|---|--------------------|
| 3788 | Germain's Gloxinia Flowered Mixed. All shades beautifully veined and mottled. $\frac{1}{8}$ oz. 35c..... | PER PKT.
\$.10 |
|------|---|--------------------|

Saponaria

(Bouncing Bet)

- 3799 **Multiflora (Calabrica).** Pretty annual, 9 inches high, bearing star-shaped flowers in shades of pink and white, valuable for bedding, rockwork, etc. $\frac{1}{2}$ oz. 45c .10

Sanvitalia

(Trailing Sunflower)

- 3797 **Procumbens Fl. Pl.** Free blooming trailing plants for beds, rockeries, etc. Very double, golden yellow.... .10



SALPIGLOSSIS

Salvia

(Flowering Sage)

Brilliant subjects for summer bedding and border planting, flowering freely throughout the season. Although perennial they bloom quickly from seed. Sow early indoors or in hot bed and transplant in spring or may be sown out doors in April or May and thinned to 15 inches apart. An open sunny location is best but succeeds also in partial shade.

- | | | |
|------|--|--------------------|
| 3792 | Splendens (Scarlet Sage). Bright fiery scarlet, one of the most effective and showy of all bedding plants. 2 feet | PER PKT.
\$.10 |
| 3793 | Bonfire. Similar to the above but more compact and bushy, $1\frac{1}{2}$ feet..... | .10 |
| 3795 | Farinacea. Bright light blue. A fine border perennial $3\frac{1}{2}$ feet tall..... | .15 |
| 3794 | Patens. Navy blue. Splendid species for permanent border where heavy frost is not feared. $2\frac{1}{2}$ feet..... | .25 |

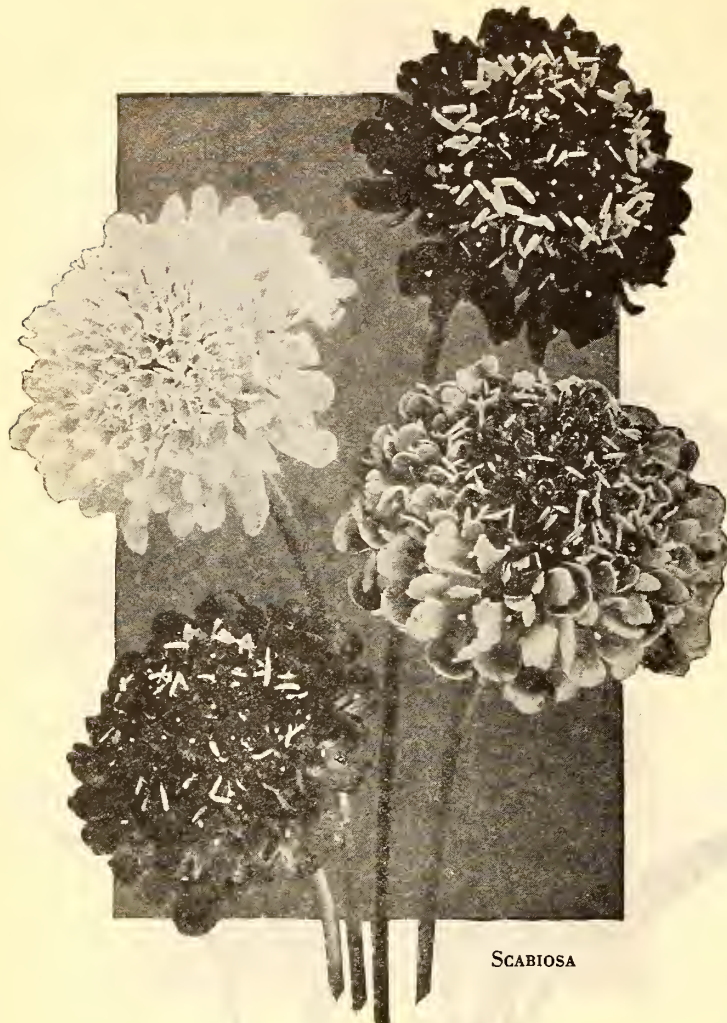
Santolina

(Lavender Cotton)

- 3796 **Chamoecyparissus.** A useful low growing perennial with silvery foliage suitable for edgings and low borders, usually clipped in formal style. $\frac{1}{4}$ oz. 45c..... .10

GERMAIN'S

Los Angeles - - - Since 1871



SCABIOSA

Scabiosa

(Sweet Scabious or Mourning Bride)

Sweet Scabious also known as "pincushion flower" is a well known favorite and one of the best of the "old fashioned" flowers. In its present-day form it ranks with our most valuable garden annuals. The flowers are large, fully double, sweet scented, very freely produced and splendid for cutting. The plants attain a height of 2 to 3 feet and are easily grown in any ordinary soil. Sow in boxes and transplant or in the open in spring.

- 3805 **Azure Fairy.** Clear lavender blue.
- 3806 **Cherry Red.** Bright cerise red.
- 3812 **Maroon.** Velvety dark purple-red.
- 3813 **Bright Rose.** Brilliant rose-pink.
- 3814 **Snowball.** Pure white.
- 3820 **Choice Mixed.** Containing all shades.

Price: *All the above varieties, per pkt. 10c; 1/4 oz. 25c*
 Collection: One packet each of 5 colors, 40c

- 3824 **Caucasica (Perennial Scabious).** Soft lavender blue. one of the most beautiful of hardy perennials, especially esteemed for cutting; 5 packets for \$1.00.....\$.25
- 3822 **Isaac House Giant Hybrids.** A wonderful new strain of perennial Scabiosa. Flowers exceptionally large and appearing in many beautiful shades of lavender blue. 3 pkts. \$1.00.....\$.35
- 3803 **Columbaria Pink Enchantress.** This lovely pink shade is something entirely new in a perennial Scabiosa. The flowers measure from two to three inches across. They are shaped like the caucasica type and their keeping quality is excellent.....\$.25
- 3804 **Columbaria Lavender.** A delicate and pleasing lavender blue.....\$.25

Solanum

- 3838 **Capsicastrum (Jerusalem Cherry).** Dwarf, compact shrub-like perennial. A very popular pot plant for winter decoration and especially admired for its bright orange berries. 1/4 oz. 25c.....\$.10

Schizanthus

(Butterfly or Fringe Flower)

This exquisite flower has long been cultivated and admired as a pot plant in England and other parts of Europe. It is very valuable here too for this purpose and makes a delightful house or conservatory plant during the winter and early spring, but it is as an out-door summer plant that it has gained its greatest popularity in America. The seed may be sown in seed boxes and transplanted or in the open in spring where it germinates quickly; coming into bloom in a few weeks from sowing. 1 1/2 to 2 feet.

- 3827 **Extra Select Large-flowered Mixed.** A wonderful strain, forming well branched bushes 2 feet high and covered with innumerable blossoms in the choicest variety of colors. 5 pkts. for \$1.00.....\$.25
- 3828 **Wisetonensis Mixed.** Many splendid shades, long and profusely blooming plants with dainty finely cut, fern-like foliage. 1 1/2 to 2 feet high. 1/4 oz. 65c.....\$.15
- 3830 **Choice Mixed.** Excellent strain in many fine shades. 1/2 oz. 40c.....\$.10

Silene

(Campion, Catchfly)

- 3833 **Armeria (Catchfly).** Strong growing annual, 1 to 1 1/2 feet high, with large heads of intense rosy red flowers which are spice-scented. Good for cutting. 1/2 oz. 30c.....\$.10
- 3834 **Pendula Flore Pleno.** Flowers fully double, bright rose, borne in great profusion on compact plants. 9 inches high. Sown in bulb beds in August or September it makes a handsome carpeting between spring bulbs. For summer blooming sow in March.....\$.10

Solidago

(Golden Rod)

- 3841 **Canadensis.** Tall growing perennial, very useful for background or high screen plantings. 5 to 6 feet. produces in the fall a profusion of tall golden sprays very desirable for cutting. 1/8 oz. 50c.....\$.10

Stevia

Pretty annuals about 2 feet in height bearing dense sprays of tiny flowers, very decorative for mixing with other flowers.

- 3845 **Serrata.** Pure white flowers, 1/8 oz. 65c.....\$.15
- 3843 **Purpurea.** Purple flowers, 1/8 oz. 45c.....\$.15

Streptocarpus

Well known greenhouse plants of the old world which, however, are quite successful in the open ground during the summer in California. Flowering plants are obtained in June or July from seed started in pans or boxes under glass in February or March

- 3850 **Kewensis Mixed.** Large flowered in many bright shades of pink, mauve, crimson and white. The lovely tubular flowers, held well above the foliage, grown 10 to 12 inches in height. 5 pkts. for \$1.00.....\$.25

SEEDS

California's Best

Stocks

Germain's California grown stock seed is unsurpassed in quality anywhere on earth. A series of very rigorous trials has established this fact without question. These strains have obtained the highest honors in England and have been highly commended by the Royal Horticultural Society of Great Britain.

We recommend them unreservedly, knowing that they are superior in point of size, color and percentage of doubles, the flowers frequently appearing over 80 per cent fully double.

Stocks are of inestimable value both for garden and home decoration. For brilliancy and diversity of color, fragrance, profusion and duration of bloom they are unequalled. For winter blooming sow in July and August. Seed sown in February or March will make a splendid display in summer.

Use light well prepared soil in seed pans, cover seed about $\frac{1}{8}$ inch with soil, water carefully and keep shaded until seedlings appear.

Early Giant Imperial or Bismarck Stocks

A superb new strain of early flowering habit, equally successful for winter or summer flowering. The heavily branched plants $2\frac{1}{2}$ feet high bear a profusion of well furnished spikes with very double, fragrant flowers of the largest size.

3875 **Apple Blossom.** Delicate soft pink.

3876 **Fiery Blood Red.** Bright and vivid shade.

3879 **Chamois.** Ivory tinted old rose.

3881 **Dark Blue.** Deep purple blue.

3884 **Lavender.** Lavender blue.

3886 **Deep Rose.** Rich rose pink.

3890 **Early Giant Imperial Mixed.** All colors.

Price: *Any of the above, 5 pkts. for \$1.00; per pkt. 25c*
Collection of one packet each of 6 colors for \$1.25

Giant Winter Nice Stocks

The large double blossoms very freely produced and long stems are of the greatest value for cutting in winter and are grown in quantity by florists for this purpose. They are also admirable in the garden throughout the winter and early spring in California and other states enjoying mild winters or may be flowered in the home or conservatory where rigorous temperatures are expected.

3891 **Aurora.** Rosy chamois. 3899 **Cote d'Azur.** Lavender blue.

3892 **Abundance.** Carmine pink. 3901 **Summer Night.** Dark blue or purple.

3896 **Souvenir de Monaco.** Rich crimson. 3902 **Queen Alexandra.** Rosy lilac.

3897 **Beauty of Nice.** Delicate pink. 3907 **Mont Blanc.** Pure white.

3898 **Belle de Naples.** Old rose. 3908 **Monte Carlo.** Yellow.

3910 **Giant Winter Nice Mixed.**

Price: *Any of the above varieties $\frac{1}{8}$ oz. 60c; per pkt. 15c*
Collection: One packet each of the 10 colors for \$1.25 or six separate colors (our selection) for 75c



Giant Perfection or Cut-and-Come-Again Stocks

Perpetual blooming class especially valuable for summer garden display and the wealth of cut flowers which may be gathered from them over a period of several months. As the flowers are cut they throw out numerous side branches, all bearing very double, exquisitely scented flowers. 2 feet.

3927 **Sapphire.** Dark blue or violet. 3934 **Empress Augusta Victoria.** Silvery lilac.

3929 **Brilliant.** Fiery crimson. 3936 **Princess Alice.** Pure white.

3928 **May Queen.** Delicate lilac blue. 3938 **Creole.** Creamy yellow.

3932 **La France.** Rose. 3940 **Cut and Come Again Mixed.**

Price of the above, $\frac{1}{8}$ oz. 75c; per pkt. 15c
Collection of one packet each of the seven colors, 80c

Large Flowering Ten Week Stocks

Our improved strain of this popular summer stock is especially suited for summer bedding and is also valuable for cutting. The plants attain a height of 12 to 15 inches, are very free flowering and come into bloom quicker than any other type.

3942 **Flesh Color.** 3945 **Bright Rose.**

3943 **Bright Blue.** 3947 **Pure White.**

3949 **Blood Red.** 3948 **Yellow.**

3944 **Purple.** 3950 **Finest Mixed.**

Price: $\frac{1}{8}$ oz. 45c; per pkt. 10c

GERMAIN'S

Los Angeles - - - - Since 1871

Winter Flowering Spencer Sweet Peas

The principal advantage of this new type of sweet peas is their early flowering habit. They are especially valuable for winter flowering, but they are equally successful in spring and summer and flower several weeks in advance of the Spencer if planted at the same time.

- 4201 **All White.** Giant white. Splendid cut flower.
- 4202 **Amethyst.** Royal purple of large size and perfect form.
- 4204 **Asta Ohn.** Lavender, delicately tinted mauve.
- 4205 **Aviator.** A superb dazzling crimson. Large, free flowering.
- 4208 **Blue Bird.** Fine deep blue.
- 4211 **Blue Picotee.** White daintily edged with bright blue.
- 4216 **Chevalier.** Glowing deep rose color. Large and long stemmed.
- 4218 **Columbia.** Large wavy pink and white.
- 4219 **Cream.** Rich cream color. The best yellow variety.
- 4223 **Embers.** A free flowering bright salmon Orange.
- 4225 **Fair Maid.** Delightful shade of delicate bluish pink.
- 4227 **Fire King.** Showy variety; deep Orange Scarlet.
- 4232 **Gorgeous.** Soft salmon rose. Beautiful and pleasing shade.
- 4229 **Glitters.** Glittering cerise. Bright and cheertul; a remarkably fine variety.
- 4233 **Grenadier.** The most brilliant scarlet.
- 4235 **Harmony.** Splendid large lavender. Unusually clear color.
- 4238 **Helen Lewis.** Not new but always popular; rich rosy Salmon.
- 4237 **Hercules.** Mammoth rose. Strong growing, long stemmed.
- 4239 **Illumination.** Splendid salmon cerise. One of the finest bright red sorts.
- 4243 **Lavender King.** Clear lavender of perfect form.
- 4247 **Miss Louise Gude.** Brilliant pink. A lovely variety of uniform shell-pink throughout.
- 4251 **Mrs. Kerr.** Exquisite salmon shade; best if slightly shaded.
- 4256 **Othello.** Velvety deep maroon, the darkest of all.
- 4255 **Penrose.** Large, vigorous and free blooming; color clear rose pink.
- 4275 **Perfection.** Deep rose, one of the best in this shade.
- 4258 **Rose Charm.** Bright rose. Beautiful large well shaped flowers.
- 4260 **Rose Dore.** Beautiful soft rose pink, delicately suffused with salmon.
- 4262 **Snowstorm.** (Improved). A popular pure white.
- 4264 **Starlight.** Pale clear bluish lavender, very pleasing.
- 4265 **Sweet Lavender.** A true lavender of large size.
- 4266 **The Beauty.** Dark fiery rose. A splendid sort.
- 4271 **White Orchid.** Pure white.
- 4276 **Zvolanek's Rose.** Excellent rose pink. A favorite cut flower variety. Price per pkt., 15c; oz., 90c; ¼ lb., \$2.70.
- 4279 **Germain's Blend Winter Spencer Mixed.** Price per pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25; lb., \$7.50.



SWEET PEA
MAJESTIC ROSE

Three New Early Flowering Spencer Sweet Peas

These three varieties stand supreme in their individual color class. They have exceptional vigor, size and blooming qualities, producing when well grown, four large flowers on a stem.

Blue Bonnet. Extra large, fine deep blue. The color is evenly distributed with not the slightest trace of mauve.....\$.35

Valencia. The color is bright orange, but of a softer, more pleasing tone than existing varieties, and it possesses what others of this shade lack, immense vigor in growth. The stems are long, the flowers large and the vine itself exceptionally productive.....\$.35

Majestic Rose. Immense brilliant rose pink. In vigor of growth, length of stem and size of bloom it surpasses all other early sweet peas.....\$.35

One packet each of the above Three New Sweet Peas complete for 90c postpaid.

VARIETIES OF RECENT INTRODUCTION

- 4244 **Monarch.** Immense lavender, very long stem.....\$.25
- 4261 **Santa Barbara.** Mammoth deep orange. Extremely long stems, the queen of darker oranges.....\$.25
- 4250 **Superior Pink.** Superb new pink.....\$.25
- 4257 **Pink Charm.** Excellent light rose-pink, vigorous grower. Long blooming period.....\$.25

Radiance. Rich deep rose bordering on red. The immense flowers appear in fours on long, strong stems and are produced in the greatest profusion.....\$.25

One pkt. each of the above varieties for \$1.00

How to Grow Beautiful Sweet Peas

Sweet peas are deep rooting. The soil where they are to be planted should be dug to a depth of eighteen inches. They are also gross feeders and a liberal amount of fertilizer will insure luxuriant growth and large flowers. Dig the fertilizer well under and see that the soil has settled and is firm before the seeds are planted. This result can be quickly obtained by tamping and watering. The seeds are usually sown in shallow trenches about three inches deep and covered only one or one and one-half inches. The balance of the earth is filled in after the young plants have grown a few inches. In certain heavy soils it is best not to cover the seed more than one inch at any time. Seeds may be spaced one or two inches apart in the trench and the young plants gradually thinned to six inches to prevent crowding.

A support for the vines must be provided early. They require a liberal amount of water. The flowers must be gathered often and should any seed pods form, these must be immediately removed to insure a prolonged blooming period.

In growing sweet peas out of season, the vines are protected with cheese cloth or other light material. If the cloth is stretched above the plants it provides sufficient protection against strong sunshine in summer and chilly nights in winter in California.

SWEET PEAS

California's Best

Giant Spencer Sweet Peas

The flowers of the Giant Spencer type are very large and wavy. The vines are extremely vigorous, often growing 8 to 10 feet in height. If planted in the fall they begin to bloom very early in spring and if the blossoms are gathered daily and no seed pods are allowed to form they continue to flower freely for several months.

The following list of varieties has been carefully selected and tested and may be depended upon to contain none but the best in their respective colors. The assortment affords a complete range of all shades now available in Sweet Peas.

- 4282 **Asta Ohn.** Lavender, tinted mauve. Very free flowering.
 4287 **Blanche Ferry.** Select. bright rose and white.
 4288 **Blue Monarch.** Deep navy blue.
 4289 **Blue Picotee.** White ground, prettily edged blue.
 4293 **Countess Spencer.** Light pink, shading darker towards edges.
 4295 **Defiance.** A new scarlet, large, vigorous, absolutely burnless.
 4296 **Dobbie's Cream.** Fine deep cream color.
 4297 **Edith Taylor.** Rose salmon.
 4299 **Elegance.** Exquisite delicate blush pink.
 4303 **Fiery Cross.** A scorching fiery red color, exquisitely waved.
 4313 **Hebe.** Large bright pink. A rich clear color. Long stemmed.
 4314 **Helen Lewis.** Bright rosy salmon.
 4316 **Hercules.** Rose pink. Immense flowers, long stems and a beautiful, rich, clear, rose color, very vigorous and a free bloomer.
 4321 **Illuminator.** A glowing cerise-salmon with an indication of bright orange, which glistens in the sunlight.
 4323 **King Edward.** Carmine scarlet. An excellent red.
 4325 **King White.** The best Spencer White ever produced.
 4329 **Margaret Atlee.** A rich glowing pink softly suffused with salmon. Flowers exquisitely waved and freely produced.
 4330 **Mary Pickford.** Large, wavy, perfectly formed flowers of dainty cream pink. A recent introduction of great merit.
 4332 **Miss California.** Rich beautiful salmon cream pink.
 4337 **Mrs. Tom Jones.** Bright delphinium blue. Good clean color.
 4343 **Othello.** Rich, deep maroon. Extremely dark.
 4344 **Powers Court.** A very beautiful lavender sort from England.
 4346 **Primrose Spencer.** The color is a pronounced creamy yellow, with beautiful crinkled wings.
 4351 **Royal Purple.** A beautiful Royal Purple. A rich shade.
 4352 **Royal Scot.** A scarlet of exceptional brilliancy.
 4354 **Senator Spencer.** Claret stripes on heliotrope.
 4361 **Tangerine.** The last word in orange-colored sweet peas. Resembling closely the Tangerine in color.
 4367 **Youth.** White edged rosy carmine.
Any of the above 10c per packet; 40c per ounce
- 4370 **Choice Spencer Mixed.** A carefully blended mixture containing an unusually wide range of beautiful colors.
 Oz., 30c; ¼ lb., 90c; lb., \$3.00.....\$.10



ILLUMINATOR
SWEET PEA

Inoculate Sweet Peas with NITRAGIN The Original Soil Inoculator

Sweet Peas are legumes—they need the nitrogen gathering legume germs. Few soils contain a natural supply. It is therefore necessary to inoculate. Nitragin hastens maturity. Increases yield. Produces better flowers. Adds fertility to the soil.

Directions on every package.

Garden Size (enough to inoculate from 1 oz. to 8 lbs. of seed)25c

Special Assortments and Collections

WINTER WONDER COLLECTION OF WINTER-FLOWERING SWEET PEAS

Contains 5 separate packets of choice, large flowering winter sweet peas, in red, pink, lavender, cream and one packet assorted colors. Price for entire collection, 50c.

GERMAIN'S STANDARD DOZEN GIANT WINTER SPENCERS

Amethyst, Asta Ohn, Cream, Othello, Harmony, Rose Charm, Gorgeous, Hercules, Illumination, Aviator, The Beauty, White Orchid. Price \$1.50.

GERMAIN'S "DOLLAR COLLECTION" OF GIANT SPENCER SWEET PEAS

Twelve beautiful shades in the following varieties: Asta Ohn, Blanche Ferry, Countess Spencer, Edith Taylor, Hercules, King Edward, Mary Pickford, Othello, Dobbie's Cream, Tangerine, Mrs. Tom Jones, King White. Price \$1.00.

THE "SUNSET COLLECTION"

An excellent assortment containing six fine varieties, namely: Asta Ohn, lavender, Hercules, rose-pink; Illuminator, cerise; Primrose Spencer, yellow; Royal Purple and White Spencer. Price 50c.

GERMAIN'S

Los Angeles - - - - Since 1871

SWEET WILLIAM

(*Dianthus Barbatus*)

Vigorous, free flowering perennial with large showy flower heads in bright attractive colors abundantly produced in spring. Very effective bedding and border plant blooming at a time when flowers are not as yet too plentiful. Height 15 to 18 inches. Sow in spring or early summer, the flowers appear the following spring.

- 3962 **Pink Beauty.** A beautiful variety of recent introduction. Flowers very large and of a most attractive salmon rose. $\frac{1}{4}$ oz. 45c \$.15
- 3964 **Scarlet Beauty.** A fine companion variety to the foregoing, very large and showy scarlet red. $\frac{1}{4}$ oz. 45c..... .15
- 3966 **Single Dark Crimson.** Intense dark red. $\frac{1}{4}$ oz. 45c..... .15
- 3968 **Single Pure White.** $\frac{1}{4}$ oz. 45c..... .15
- 3970 **Large Flowered Single Mixed.** $\frac{1}{2}$ oz. 45c..... .10
- 3975 **Extra Large Double Mixed.** Strong growing, bushy plants 18 inches high, producing in the greatest profusion large double flowers in the most vivid and attractive shade. $\frac{1}{4}$ oz. 45c..... .15

Tagetes

- 3983 **Signata Pumila.** Very attractive low border annual 9 inches high with beautiful fern-like foliage; a dwarf Marigold densely covered with bright, golden yellow flowers over the entire season. $\frac{1}{4}$ oz. 40c .10

Valeriana

(*Valerian*)

Robust perennial blooming the first season from seed and bearing an abundance of showy flowers in large corymbs, valuable for cutting. 3 feet.

- 3991 **Alba.** Pure white. $\frac{1}{4}$ oz. 25c.....\$.10
- 3992 **Coccinea.** Vivid Scarlet. $\frac{1}{4}$ oz. 30c..... .10
- 3993 **Rosea.** Bright rose-pink. $\frac{1}{4}$ oz. 25c..... .10
- 3995 **Choice Mixed.** Containing all shades. $\frac{1}{2}$ oz. 40c.... .10

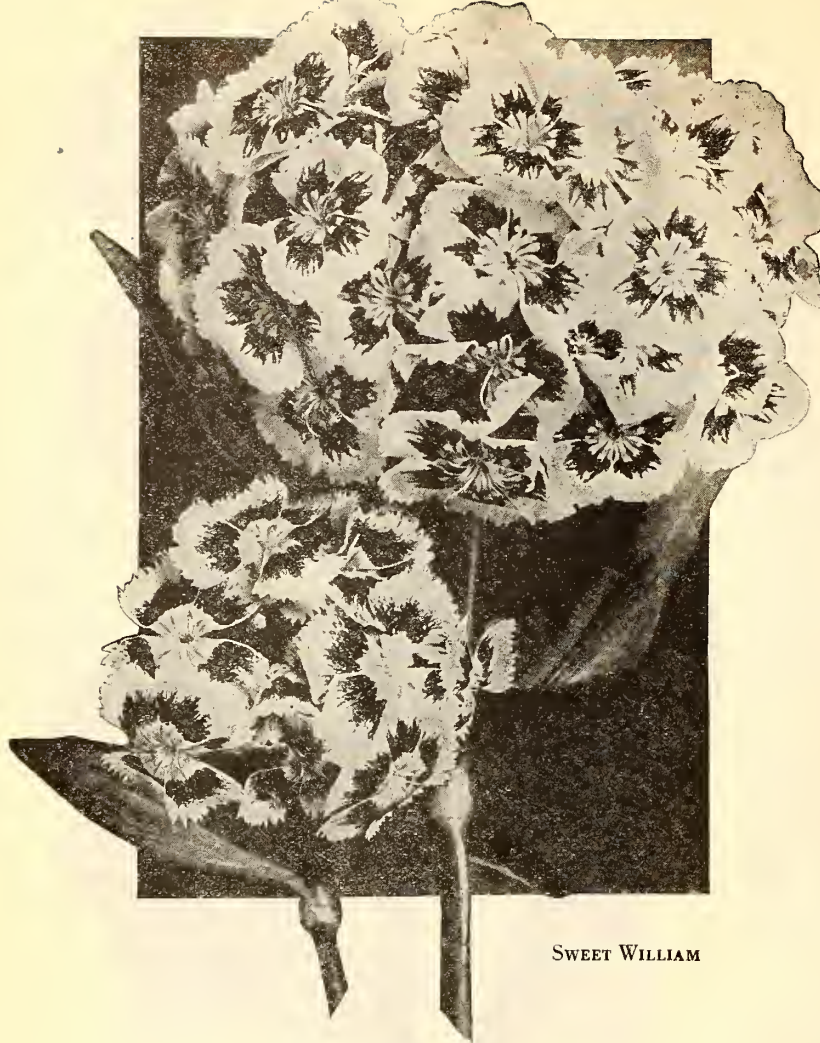
Verbena

The Verbenas are unrivalled for bedding, low borders, parkings, etc. blooming in California practically the entire year. They are perennial but grow very readily from seed, flowering in a few months after sowing. The seed may be started early in boxes and transplanted or out doors in April or May.

Germain's New Giant Hybrid Verbenas

Splendid new selections with individual flowers of surprisingly large size and exquisite colors. The plants are unusually vigorous and the immense flower trusses very freely produced.

- 3998 **Hybrida Gigantea Firefly.** Brilliant Scarlet with white eye^{PER PKT.} \$.25
- 4001 **Hybrida Gigantea Lucifer.** Intense Scarlet throughout.25
- 4002 **Hybrida Gigantea Mayflower.** Bright rosy pink.... .25
- 4003 **Hybrida Gigantea Stellata Violacea.** Deep purple with large white eye..... .25
- 4004 **Hybrida Gigantea Mixed.** Giant sorts mixed. $\frac{1}{4}$ oz. 80c..... .25



SWEET WILLIAM

Sweet Alyssum

(*Sweet Alyssum or Mad Wort*)

Pretty, very sweetly scented, annual plants useful for borders, edging, window boxes, hanging baskets and rock work. They flower profusely all summer and are among the most successful also for winter blooming.

- 2039 **Sweet Alyssum (*A. Maritimum*).** White, very sweet, about 9 inches and of trailing habit, 40c per oz.....^{PER PKT.} .10
- 2041 **Compactum (*Tom Thumb*).** Ideal for edging, erect growth, 6 inches..... .10
- 2045 **Carpet of Snow (*Procumbens*).** Very dwarf, barely 4 inches high, forming low tufted plants which are a mass of white during the entire season. Wonderful for edging10
- 2044 **Lilac Queen.** Good compact habit and a very pretty deep lavender lilac in color, 6 inches, 75c per oz..... .15
- 2047 **Saxatile (*Basket of Gold*).** Showy bright yellow hardy perennial, valuable for rock work and permanent edging or border, 1 foot high. 50c per $\frac{1}{2}$ oz..... .10

Thalictrum

- 3982 **Dipterocarpum.** Tall growing, exceedingly graceful perennial producing freely its elegant sprays covered with Myriads of diminutive rosy lilac flowers, valuable and charming when cut. 5 pkts. for \$1.00.... .25

Torenia

- 3986 **Fournieri.** Annual, 1 foot high, covered the entire season with a mass of flowers, bright blue with yellow center.15

SEEDS

California's Best

Mammoth Verbenas

Beautiful large-flowered varieties extensively used for bedding, borders, etc., and keeping well when cut for table decoration, vases, etc.

- 4006 Mammoth Rose 4008 Mammoth Defiance—Scarlet.
Pink.
4007 Mammoth Dark Blue. 4009 Mammoth White.
4010 Mammoth Mixed.

Price: Any of the above, ¼ oz. 50c; per pkt. 10c

Verbena

- 4014 *Erinoides (Moss Verbena)*. A distinct species much in demand for parking, of trailing, spreading habit and low growth it soon covers a large area with a mass of light purple or violet colored flowers and continues in bloom almost indefinitely. ¼ oz. 60c\$ 15

Vinca

(Madagascar Periwinkle)

A very free and continuous blooming bedding plant with shiny light green foliage. Good cut flowers, the buds all opening in water, and valuable as a winter pot plant for the house or conservatory. Sow seed indoors early or start in the open in May.

- 4018 Alba. White with 4019 Rosea. Rosy red.
crimson eye. 4020 Choice Mixed.

Price: Any of the above, ¼ oz. 50c; per pkt. 10c.

Viola

(Tufted Pansy)

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the tufted pansies. While the individual flowers are smaller than the regular pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season. Like the pansies they are grass feeders and thrive best in light but rich soil.

- | | PER PKT. |
|---|----------|
| 4022 Blue Perfection. Clear Light Blue. ⅛ oz. 45c..... | \$.15 |
| 4028 White Perfection. Large Pure White. ⅛ oz. 45c.... | .15 |
| 4025 Purple King. Rich deep Blue. ⅛ oz. 50c..... | \$.15 |
| 4026 Yellow Queen. Bright golden yellow. ⅛ oz. 45c.... | .15 |
| 4023 Papilio (<i>Butterfly Viola</i>). Violet Lilac with darker eye. ⅛ oz. 45c..... | .15 |
| 4030 Tufted Pansies in Choice Mixture. ¼ oz. 75c..... | .10 |
- Collection: One packet each of the five colors, 60c.

Violet

(*Viola Odorata*)

For this well beloved and fragrant favorite no introduction nor description is necessary—the sweet Violet is known to all. It is a true perennial and once the plants have become established they thrive for years in the same bed with little care, but like most perennials the seeds are rather slow in germinating therefore do not disturb seed box or beds until sufficient time has elapsed. Sow in winter or early spring in light loam mixed with leaf mould. Violets succeed best in partial shade.

- | | PER PKT. |
|---|----------|
| 4033 Princess of Wales. Large and with good stems several inches in length..... | \$.25 |
| 4032 Odorata. The popular sweet scented variety. ⅛ oz. 75c. | .10 |

Wigandia

- 4073 Caracassana. Highly decorative foliage plant with very large bronzy leaves, growing to a height of 5 feet. Perennial.\$.15



VERBENA

Virginian Stock

Pretty dwarf annual with sprays of numerous rose and white flowers.

- 4041 Fairy Queen. Carmine Rose. 4043 White Queen. Pure White.
4045 Choice Mixed.

Price of the above: ½ oz. 40c; per pkt. 10c.

Viscaria

Colorful and free-flowering annuals for borders, beds, etc., growing about 1 foot high. Sow in fall or spring in the open or in boxes and transplant.

- 4046 Coeli Rosea (*Rose of Heaven*). Rose-pink.
4047 Elegans Pieta. Rose marked with Scarlet.
4048 Oculata. Rose with dark eye.
4050 Finest Mixed. Containing many shades of red, rose, and white.

Price: All the above, ¼ oz. 30c; per pkt. 10c.

Wallflower

The velvety petals of this old time favorite are rich in mellow tones of bronze, copper and buff. Excellent for winter blooming either potted indoors or in the open where the climate permits. Sow seed in spring for winter bloom or later for spring and summer flowering. Biennial. 1 to 1½ feet in height.

- | | PER PKT. |
|--|----------|
| 4056 Belvoir Castle. Golden Buff..... | \$.10 |
| 4057 Fire King. Orange Carmine..... | .10 |
| 4058 Harbinger. Rich Copper red..... | .10 |
| 4060 Choicest Single Mixed. ¼ oz. 25c..... | .10 |
| 4062 Double Flowering Extra Select. A very fine strain producing large spikes of perfectly double flowers in a profusion of rich colors. 5 pkts. for \$1.00..... | .25 |

GERMAIN'S

Los Angeles - - - - Since 1871

Superb New California Zinnias

Originated and grown near our city of Los Angeles these new, modern forms of the old fashioned Zinnia are incomparably showy and beautiful. Immense flowers, 6 to 8 inches in diameter, are freely borne on bushes 3 or 4 feet in height, and include every shade from the most delicate salmon pink to rich crimson and from glistening pure white through cream and yellow to coppery burnt orange.

California Zinnias have met with extraordinary success throughout the Horticultural world and the new strains offered on this page have recently been awarded first prizes and gold medal by the National Horticultural Society of Great Britain.

"If you plant but one annual, plant Zinnias," is the advice of a modern garden authority, and it is a fact that for freedom of bloom, ease of culture and a fascinating display of exquisite color tones the new California Zinnias are unsurpassed.

Gold Medal Dahlia Flowered Zinnias

This famous strain marks an entirely new departure in Zinnias. The large size, fullness of petals, extraordinary color range and excellent keeping qualities of the flowers have all contributed to its popularity. In form it is unlike all other Zinnias resembling more closely a large decorative Dahlia. It received official recognition when a Gold Medal was awarded the strain at the London show by the Royal Horticultural Society of England. This outstanding California origination has since achieved world fame and the seeds which are grown in California to such great perfection are exported to every civilized country on the globe.

The following are Germain's special selection of varieties grown for us here by the originator and inspected by us in the fields. We recommend them with the conviction that no better strain exists anywhere.

- 4087 **Canary Bird.** Primrose Yellow. Very large and holds its color well.
- 4088 **Crimson Monarch.** The largest and best crimson.
- 4089 **Dream.** Deep lavender or purple.
- 4091 **Exquisite.** Pleasing light rose with darker center.
- 4092 **Golden State.** Very rich orange yellow.
- 4093 **Illumination.** Similar to exquisite but of a deeper rose shade.
- 4095 **Old Rose.** A soft, pleasing shade of subdued Salmon rose.
- 4097 **Polar Bear.** Named after the white decorative Dahlia "Polar Bear."
- 4098 **Scarlet Flame.** A large, vivid Scarlet.
- 4100 **Dahlia-Flowered Zinnias** in Choice Mixture.

Price: *Per packet 25c each.*

Collection: The entire collection of nine Dahlia flowered Zinnias, \$1.75.



ZINNIA

New Giant Mammoth or California Giants

The creation of this new type is an outstanding achievement in the annals of California Horticulture. The original variety of the type was introduced as recently as 1926 and was quickly followed by other magnificent shades, the flowers all showing the characteristic formation of this superb strain.

The plants are unsurpassed for vigor. They are heavily branched and very free flowering. In form the flowers resemble the double Giants or improved Grandiflora Robusta but with a notable increase in size and petals more loosely placed lending a new grace from bud to bloom when the flower assumes a succession of pleasing forms until fully expanded to its typical enormous size.

- 4165 **Cerise Queen.** Beautiful Cerise rose, a brilliant and effective flower.
- 4161 **Lemon Queen.** The color of a ripe California lemon, really a shade of lemon-orange.
- 4162 **Orange King.** True Cadmium or burnt orange, very showy.
- 4163 **Orange Queen.** Lighter than the above, a warm golden orange.
- 4167 **Scarlet Gem.** Glowing scarlet, a gem in color and form.
- 4164 **Purity.** Pure white.
- 4168 **Giant Mammoth or California Giant Zinnias** mixed.

Price: *Per packet 25c each.*

Collection: One packet each of the six named sorts for \$1.25.

SEEDS

California's Best

Germain's Mammoth Zinnias

Our mammoth strain is highly recommended for all hedding purposes and for cutting. The plants are tall and vigorous and produce an abundance of large very double flowers in all the desirable shades.

- | | |
|---|--|
| 4106 Burnt Orange. Rich Golden Orange. | 4114 Salmon. Rich, salmon rose. |
| 4118 Golden Yellow. Bright even Yellow. | 4115 Scarlet. Sparkling Vivid Scarlet. |
| 4107 Crimson. Deep Crimson Scarlet. | 4117 White. Pure White. |
| 4111 Rose Pink. Attractive bright rose. | 4120 Mammoth Mixed. Containing a wide range of splendid shades. |
| 4112 Purple. A pleasing deep lavender or light purple. | |

The Collection of 8 Mammoth Zinnias, \$1.00.

Price: *Per packet 15c each.*

Elegance Tall Double or Cut-and-Come-Again Zinnia

Medium sized, very double and produced in the greatest profusion. Long stems, excellent for cutting.

- | | |
|---|---|
| 4122 Flesh. Delicate light pink. | 4126 White. |
| 4123 Salmon Rose. A very bright shade. | 4127 Golden Yellow. |
| 4124 Scarlet. Vivid red. | 4121 Elegans. Tall double mixed. |

Price: *Any of the above, 1/4 oz. 30c; Per pkt. 10c.*

Zinnias, Large Flowering Dwarf Double

A splendid dwarf bedding strain. Sturdy bushes not over 2 feet in height bearing numerous very double flowers of large size and exceedingly bright in color. These are by many considered the most valuable group for beds and borders. The salmon variety especially is in the greatest demand both for garden display and for cutting.

- | |
|---|
| 4134 Fireball. Crimson Scarlet of compact bushy growth. |
| 4138 Salmon Rose. A very popular cut flower variety. |
| 4131 Golden Yellow. Bright and effective. Rich golden shade. |
| 4125 Large flowering Dwarf Mixed. Containing all colors. |

Price of the above 10c per packet.

Double Pompom or Lilliput Zinnias

These small button-like flowers are very desirable for cut flowers and basket work. They are very double and produced in the greatest profusion. Offered in the following attractive shades:

- | | |
|---------------------------|----------------------------------|
| 4142 Dark Crimson. | 4146 White Gem. |
| 4143 Golden Gem. | 4148 Salmon Rose. |
| 4145 Scarlet Gem. | 4150 Double Pompom Mixed. |

Price: *Per packet 15c each.*

Collection: One packet each of the five colors for 60c.

- | | |
|--|-----------------|
| 4156 Giant Picotee. A very pretty mixed strain of pleasing colors, the petals being edged with contrasting shades. Of special value for cutting..... | PER PKT. \$.25 |
| 4158 Victory Quilled. A distinct type, novel and interesting in form. The petals are prettily quilled giving the large densely double blossoms a peculiar charm and unique appearance. The colors are mostly russets, golden orange, old rose and other autumn tints..... | .25 |



CODETIA

Wild Flower Garden

- 4170 A mixture containing dozens of species and hundreds of different varieties of the most desirable garden flowers. Not native wild flowers but all improved cultivated sorts. The mixture is ideal for naturalizing in vacant spots, for a cut flower bed in a corner of the garden and is of the greatest interest to children who quickly learn to pick out and name the well known sorts in the multitude that spring up. Very reasonable in price. Per lb. \$2.50, 1/4 lb. for 75c, oz. 25c..... .10

No Skill Needed to Grow Grand Zinnias

We cannot think of an easier flower to grow than the Zinnia. The way they respond to what little attention is paid them and their apparent unconcern at our neglect should endear them to every garden owner.

They delight in a sunny location and with ordinary garden care in watering and cultivation produce a remarkable quantity of bloom throughout the summer. They are, however, quite sensitive to frost, so, to have early blossoms, they should be started in protected seed boxes and transplanted when the cold weather is past. Seed sown in the open in April or May germinates quickly and the plants begin blooming in a few weeks. Zinnias transplant very readily and may be moved at almost any stage of development. When planting them out they should be spaced from 12 to 18 inches apart, depending upon the varieties used. If sown directly in their permanent location they must be thinned to the same distance for best results. Dishudding and reduction of side shoots results in fewer but larger flowers.



White Moon Flower

Adlumia

2011 **Cirrhosa**. Feathery foliage and numerous tube shape, pretty flesh colored flowers PER PKT. \$.10

Antigonon

2074 **Leptopus (Rosa de Montana)**. Perennial. Nearly always in flower; the blossoms are like those of a rosy pink Begonia, but borne in the greatest profusion all over the plant..... .15

Aristolochia

2210 **Elegans**. A twining vine with small leaves and large showy dark purple flowers25
 2211 **Sipho (Dutchman's Pipe)**. The flowers are very odd and curious resembling a Dutchman's pipe. The large heart shaped leaves are grand.. .15

Balloon Vine

2401 **Cardiospermum**. A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons. Per oz. 35c10

Bignonia

Splendid strong growing woody perennial climbers. Very popular for covering pergolas, porches, walls, pillars, etc.
 2455 **Radicans**. Bright orange scarlet..... \$.10
 2456 **Tweediana**. Golden yellow flowers, foliage evergreen..... .10

Calampelis

2478 **Sahra**. Beautiful perennial vine, 6 feet in height, valuable for trellises, etc., and bearing freely large deep orange flowers..... .10

Canary Bird Vine

3988 A tall annual climber of the Nasturtium family, producing a profusion of attractive golden yellow flowers..... .10

Cardinal Climber

3211 **Cardinalis**. Grows to a height of 30 feet with attractive green foliage covered with a blaze of bright cardinal red flowers..... .15

Clematis

2722 **Paniculata (Japanese Virgin's Bower)**. Strong rapid grower with dense, rich green foliage and producing a wealth of fragrant, pure white flowers in summer..... .10
 2725 **New Large Flowered Hybrids**. Exceedingly beautiful and always greatly admired25

Clianthus

2727 **Punicus (New Zealand Parrot's Bill)**. Perennial. A very handsome climber. Bright scarlet. Height 6 feet..... .15

Coboea

2730 **Scandens**. A very rapid annual climber, quickly attaining a height of 30 feet or more. The flowers are large, bell-shaped, deep purple in color. 30c per 1/4 oz..... .10

Convolvulus

The tall Morning Glories are perhaps the most free flowering and rapid growing climbers in cultivation.
 2739 Bright blue \$.10 2742 Deep rose pink..... \$.10
 2741 Rich crimson10 2745 Choicest mixed, per oz. 25c.. .10

GERMAIN'S

Los Angeles - - - - Since 1871

SEEDS OF CLIMBING PLANTS

Vines and climbing plants lend a peculiar grace and charm indispensable to the modern home and garden. A vine clad porch or veranda on a hot day is a pleasant place. Vines soften ugly, hard lines in architecture, bide unsightly things in the garden, are beautiful in or out of flower and cannot be too freely planted. Many of the dwarfier kinds are nice for hanging baskets or for clothing parkways. Others are good for scrambling over old dead trees or posts. In short, there is no garden, no matter how small, in which vines do not play an important part in the scheme of decoration.

Dwarf Morning Glory

2746 **Minor Finest Mixed**. About 1 foot in height and covered during the entire season with medium sized blossoms. Per oz. 25c..... .10

Cypress Vine

Attractive climbers of the Morning Glory family with delicate feathery foliage and an abundance of pretty flowers. Annual. 10 feet.

3212 **Scarlet** \$.10 2313 **White** \$.10
 3215 **Choice Mixed**. Per 1/2 oz. 35c..... .10

Dolichos

2897 **Lablab (Hyacinth Bean)**. Rapid annual climber flowering freely in erect racemes. Mixed colors. Per oz. 30c..... .10
 2898 **Lignosus (Australian Pea)**. Rose and purple; one of the best climbers for a hot, dry climate. Perennial. Height 15 feet..... .10

Humulus

3187 **Japonicus (Japanese Hop Vine)**. Handsome green foliage. Height 20 feet, annual. Per 1/2 oz. 40c..... .10
 3188 **Japonicus Variegata**. Prettily variegated form of the preceding variety, Per 1/2 oz. 30c..... .10

Ipomoea

3198 **Bona Nox (Annual Blue Moonflower)**. Large deep blue flowers freely produced all summer. Per 1/2 oz. 45c..... .10
 3200 **Leari (Blue Dawn Flower)**. Perennial vine, a perpetual bloomer with large handsome rich dark flowers..... .25
 3203 **Mexicana Grandiflora Alba (White Moonflower)**. Immense pure white. Per 1/4 oz. 50c..... .10
 3199 **Rubro Coerulea (Heavenly Blue)**. One of the most beautiful with extra large flowers of a pleasing sky blue shade. Per 1/4 oz. 50c..... .10
 3202 **Setosa (Brazilian Morning Glory)**. A rapid growing vine of unique subtropical appearance. Large lobed leaves and beautiful rose colored flowers with pink center..... .15
 3210 **Imperialis Choicest Mixed (Imperial Japanese Morning Glory)**. Undoubtedly the handsomest of all morning glories. Per oz. 25c..... .10

Kudzu Vine

3231 **Kudzu Vine (Pueraria Thunbergiana)**. Perennial, one of the most rapid growing vines known. The leaves are very large, making it a suitable plant covering for arbors, trellises, etc. 1/4 oz. 25c..... .10

Lathyrus

Free flowering, perennial climbers, excellent for covering fences, trellises, etc.
 3256 **Latifolius Rose**..... \$.10 3258 **Latifolius White** \$.10
 3260 **Latifolius Mixed**. 1/2 oz. 60c..... .10

Mandevilla

3332 **Suaveolens**. A very handsome climber with pure white; very fragrant flowers. The plant is perennial..... .25

Mina

3387 **Lobata**. Beautiful annual climber. It produces freely long spikes of handsome bright red and yellow flowers..... .10

Passiflora

A splendid perennial climber, making a permanent and more or less woody vine. The flowers are very beautiful and of great interest due to their peculiar formation.
 3563 **Coerulea**. Sky blue. 3564 **Edulis**. Lavender.
 3566 **Rosacea**. Carmine. 3568 **Choicest Mixed**.
 Price: Any of the above sorts 1/4 oz. \$1.00; per pkt. 25c

Phaseolus

3619 **Caracalla**. A very curious vine growing about 8 feet high; flowers, lilac-purple \$.15

Smilax

3837 **Asparagoides**. A splendid very graceful perennial climber much used for decorating and festooning. 1/4 oz. 35c..... .10

Thunbergia

3984 **Alata Mixed**. Flowers in shades of orange, buff, white, etc., with very dark eye. 1/4 oz. 50c..... .10

Wistaria

1068 **Sinensis**. A charming old-fashioned bardy climber, producing its pale blue flowers in large clusters..... .15

SEEDS

California's Best

Native Wild Flower Seeds

The native wild flowers of California are noted for their exquisite beauty and be great variety of species to be found in our valleys, foothills and mountain anyons. Nothing more charming and interesting in the garden than a section or border devoted to the culture of these lovely native plants. In California native nwer seeds may be sown in the fall or at the start of the rainy season has well as in spring. In Eastern States they should for the most part be started when the weather warms up in spring and will prove entirely successful and be highly prized.

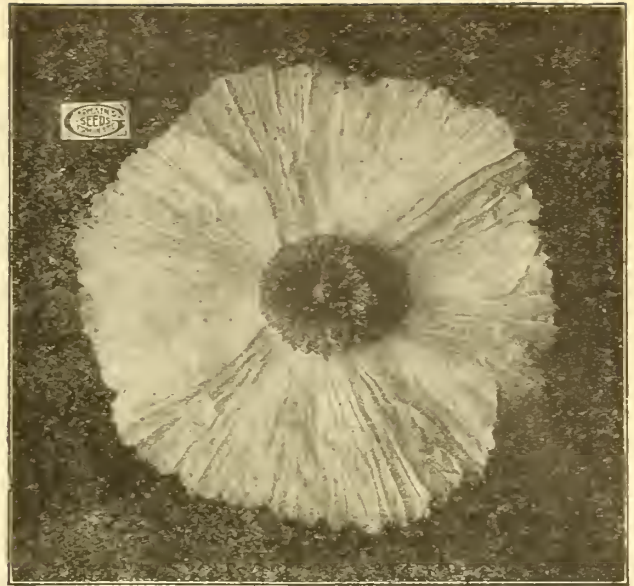
Souvenir Collection containing 10 choice varieties of California Native Flower Seeds. (One Selection)..... \$.50

2007	Abronia Umbellatum (<i>Sand Verbena</i>). Low annual. Thrives in sandy soil. Flowers rose.....	.10
2206	Argemone (<i>Prickly Poppy</i>). Annual 1½ to 5 ft. Colors white and yellow. Leaves gray-green and prickly.....	.10
2466	Brndaeia Capitata (<i>Cluster Lily</i>). Flowers early in spring; deep violet to white. Height ¾ to 1 ft.....	.15
2459	Blonmeria Aurea (<i>Golden Stars</i>). Golden yellow clusters.....	.10
2718	Clarkia Elegans . Annual 3 to 6 feet high. Flowers lavender purple and crimson.....	.10
2737	Callinsia Biclor (<i>Innocence</i>). Shaded white, lilac and rose-purple.....	.10
3276	Coreopsis Maritima (<i>Sea Dahlia</i>). Perennial, 2 to 2½ ft. high. Large showy canary yellow flowers.....	.10
2838	Delphinium Cardinale (<i>Scarlet Larkspur</i>). Magnificent perennial; flowers intense bright scarlet. 5 ft.....	.25
2881	Dicentra Chrysantha (<i>California Bleeding Heart</i>). Perennial; orange-yellow. Height 3 to 5 ft.....	.15
2894	Dodecathenn Clevelandi (<i>Shooting Star</i>). Perennial; purple, bordered with yellow. Height ¾ ft.....	.15
2908	Emmenanthe Penduliflora (<i>Whispering Bells</i>). Bushy annual; light yellow, bell-shaped flowers. 1½ ft.....	.15
2919	Esehschultzia Californica (<i>California Poppy</i>). The most famous of California wild flowers. Annual 1½ ft. high. Golden yellow. (See also Flower Seed Section).....	.10
3007	Godetia Amnena (<i>Forewell to Spring</i>). Annual 1½ to 2 ft. high. Lilac-purple and red. Shade loving.....	.10
4261	Lathyrus Splendens (<i>Pride of California</i>). Magnificent perennial climbing pea; Height 6 to 10 ft.....	.15
3273	Layia Elegans (<i>Tidy Tips</i>). A pretty annual; flowers yellow tipped with white. Height 6 to 12 inches.....	.10
3274	Layia Glandulosa (<i>White Daisy</i>). Annual flowers, pure white and daisy-like. Height 6 to 12 inches.....	.10
3277	Leptosyne Stillmani . Annual, with compact, bushy, thin-cut leaves; flowers golden yellow. 1 ft. high.....	.15
4601	Lilae Californica . (<i>California Soap Plant</i>). Light blue.....	.15
3283	Limanthes Dnuglasi (<i>Meadow Foam</i>). Yellow flowers; 4 inches high.....	.10
3321	Lupinus Nannus . Dwarf. Fragrant; rich blue.....	.10
3365	Mentzelia Lindleyi (<i>Blazing Star</i>). Showy yellow flowers; 2 to 3 ft.....	.10
3463	Nemophila Insignis (<i>Baby Blue Eyes</i>). Annual; skyblue flowers. Height 4 to 6 inches.....	.10
3-64	Nemophila Maculata . White with purple blotches.....	.10
3465	Nemophila . Mixed.....	.10
3572	Pentstemm Spectabilis (<i>"Blue Pentstemon"</i>). Large spike of deep blue flowers; Height 3½ to 7 ft.....	.10
3616	Phacelia Parryi . Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 inches.....	.10
3618	Phacelia Tanacetifolia (<i>Wild Heliotrope</i>). Annual 2 feet high. Large heads of violet blue flowers.....	.10
3617	Phacelia Whitlavia (<i>Wild Canterbury Bells</i>). Annual deep violet purple. 1½ ft.....	.10
3774	Romneya Coulteri (<i>Mattilija Poppy</i>). The queen i all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. 6 to 10 ft.....	.10
4037	Viola Pennclnata (<i>California Yellow Violet</i>). Sometimes called "The Yellow Johnny Jump-mp.".....	.25
4190	California Wild Flowers in Mixture . Oz. 60c; ¼ lb. \$1.80; 1 lb. \$6.00.....	.10

Everlasting Flowers

Everlasting flowers are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and bung with the beads downward until thoroughly dry. **Acrocliumum**. Pretty daisy-like flowers, useful for bouquets either fresh or when dried. Annual 1 to 1½ ft. high.

2005	Double Pink.....	.10	2006	Double White.....	.10
	2010	Double Mixed	Oz. 75c		.10
	Globe Amaranth (<i>Gomphrena</i>). Good bedding plant 2 feet high with flowers resembling clover heads, which can be dried for winter use.				
3034	Purple.....	.10	3038	White.....	.10
3032	Flesh.....	.10	3040	Fine Mixed . Height 1 ft.	.10
3036	Rnse.....	.10		Oz. 60c	.10
	Rhdanthe (<i>Swan River Everlasting</i>). Charming annual. 1 ft. high.				
3767	Double Rnse.....	.10	3772	Double Mixed.....	.10
	Statice (<i>Sea Lavender</i>). Very popular cut flowers, fresh or dried. 1½ to 2 ft. The <i>Sinnata</i> type is annual, others are perennial.				
3855	Sinnata . Dark blue.....	.10	3870	Snworowii . Slender spikes of bright rose.....	.10
3854	Sinnata . Lavender.....	.10			
3858	Sinnata . Rose.....	.10	3862	Caspia . Feathery spikes of lavender blue.....	.25
3853	Sinnata . White.....	.10			
3852	Bondnellii . Yellow.....	.10	3864	Latifolia . Panicles of minute lavender flowers.....	.10
3860	All Colors . Mixed. Oz. 60c.....	.10			
	Xeranthemum (<i>Immortelle</i>). It grows to 2 or 3 ft., bearing an abundance of bright rose, purple and white flowers.				
4080	Choice double mixed.....	.10			



ROMNEYA COULTERI

Helicobrysm (Straw Flower). The rich brilliant colors are effective in beds and borders and are extensively grown for drying. Annual 2½ ft.

3131	Double Brown.....	.10	3138	Double Salmon-Rose.....	.10
3134	Double Crimson.....	.10	3141	Double White.....	.10
3136	Double Fireball.....	.10	3144	Double Yellow.....	.10
3137	Double Pink.....	.10	3145	Double Mixed . ½ oz. 45c.....	.10
			3142	Double Purple.....	.10

Ornamental Gourds

3095	Cucumber Snake (<i>Cucumis Flexuosus</i>).....	.10
3108	Wild Cucumber . Very curious. Height 4 ft.....	.10
3091	Apple Shaped . Height 10 ft.....	.10
3093	Bottle-shaped . White flowers. Height 10 ft.....	.10
3094	Calabash-shaped or Pipe . Height 10 ft.....	.10
3096	Dipper . Height 10 ft.....	.10
3097	Dish Rag . When properly prepared this is very serviceable in many ways. Height 6 ft.....	.10
4098	Egg Shaped . "Nest Egg." Height 10 ft.....	.10
3099	Heracles Club . Fruits 7 to 8 ft. in length. Height 15 ft.....	.10
3101	Orange Shaped (Mock Orange) . Height 15 ft.....	.10
3102	Pear Shaped . Height 10 ft.....	.10
3104	Serpent (Trichosanthes Colubrina) . Very long and coiled. Height 10 ft.....	.10
3106	Sugar Trough . Enormous, holding several gallons. Height 15 ft.....	.10
3107	Turks Turban.....	.10
3110	Finest Mixture . Oz. 45c.....	.10

Momordica

The Momordicas are very handsome. The fruit bursts when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.

3388	Balsamina . "Balsam Apple." Height 6 ft.....	.10
3389	Charantia . "Balsam Pear." Height 5 ft.....	.10

Ornamental Grasses

The ornamental grasses are very interesting and have many uses in the garden. When dried they are valuable for winter use in bouquets, baskets, etc. Grasses are easily grown and are usually sown in early spring in the open.

3051	Agrostis Nebulosa . A. Very graceful and fine for vases or bouquets. Height 1 ft.....	PER PKT. \$.10
3054	Briza Maxima . A. (<i>Quaking Grass</i>). Prized for bouquets of dried flowers and grasses. 1½ ft. Oz. 60c.....	.10
3057	Coix Lacryma . A. Job's Tears. Oz. 15c.....	.10
3059	Cyperus Alternifolius . P. (<i>Umbrella Plant</i>). May be grown in pots, in the garden, or as a snbaquatic.....	.25
3061	Eragrostis Elegans (Love Grass) . A. Has beautiful spikelets; good for bouquets. Height 1 ft.....	.10
3062	Enalpia Japonica (Japan Plume Grass) . P. Very effective in groups. Height 6 ft.....	.10
3066	Festuca Glanea . P. Very neat and compact; fine for edgings to ribbon beds and borders. ½ ft.....	.10
3075	Lagurus Ovatus (Hare's Tail Grass) . A. Fine for bouquets. Height 2 ft. ½ oz. 45c.....	.10
3077	Pennisetum Longistylum . A. Very effective in groups, graceful plumes of greenish white.....	.10
3078	Pennisetum Rneppeliannum . A. (<i>Purple Fountain Grass</i>). Green leaves and purple plumes.....	.10
3087	Zea Quadricolor (Rainbow Maize) . A. Striped in four colors, very ornamental for large clusters. 4 ft.....	.25
3081	Stipa Pennata (Feather Grass) . P. Universally admired in bouquets. Height 2 ft.....	.10
3083	Tricolaena Rosea . P. Very pretty, with rose colored panicles. Height 3 ft.....	.10
3084	Uiola Latifolia (Sea Oats) . P. Very ornamental. Height 4 ft.....	.10
3086	Zea Japonica Fol. Variegata (Striped Japanese Maize) . A. Very ornamental. Height 4 ft.....	.10
3090	Mixed Grasses . Many choice varieties, annual and perennial. ½ oz. 40c.....	.10

GERMAIN'S GLADIOLI

The gladiolus is invaluable as a summer flower, and its popularity has increased tremendously in the last few years. Our list contains only the best sorts, varieties which have been tried and proven to give the most satisfactory results both as cut flowers and for garden display. When cutting, do so as soon as one or two flowers are expanded. The rest of the buds will open in water if care is taken to remove faded flowers, changing water daily and cutting a piece off the stem each time. The bulbs should be planted from three to five inches deep in any good light or sandy garden soil. They flourish best in an open sunny situation.

GENERAL COLLECTION OF CHOICE GLADIOLUS

- America.** Large, free flowering and vigorous lavender pink. Three for 20c; 75c dozen; \$5.50 per 100.
- Alice Tiplady.** A lovely orange saffron. 10c each; \$1.00 dozen; \$7.00 per 100.
- Arlon.** Fine spike, rich salmon with red throat. Three for 20c; 75c per dozen; \$5.50 per 100.
- Black Pansy.** Very dark maroon with pansy-like throat. 10c each; \$1.00 dozen; \$7.00 per 100.
- Crimson Glow.** Deep crimson; large flowers, one of the best dark reds. Three for 20c; 75c per dozen; \$5.50 per 100.
- Dorothy Wheeler.** Peach pink. 10c each; \$1.00 dozen; 100, \$7.00.
- E. J. Shaylor.** Superb rose pink. 10c; \$1.00 doz.; 100, \$7.00.
- Golden Measure.** Strong growth, rich golden yellow. 15c each; \$1.50 dozen; \$10.00 per 100.
- Gretchen Zang.** Beautiful rose pink. 10c; \$1.00 doz.; 100, \$7.00.
- Evelyn Kirtland.** Charming bright coral pink, tall graceful stalk. Three for 20c; 75c dozen; \$5.50 per 100.
- Halley.** Salmon pink. Three for 20c; 75c dozen; \$5.00 per 100.
- Herada.** A rare and stately flower. The pure mauve color is exceptional. Three for 20c; 75c dozen; \$5.50 per 100.
- Le Marechal Foch.** Flesh pink. 3 for 20c; 75c doz.; 100, \$5.50.
- Lily White.** Snow white, lower petals tinged cream. 10c each; \$1.00 dozen; \$7.00 per 100.
- Los Angeles.** A lovely flower, beautiful shrimp pink with glowing carmine blotch in throat. 15c each; \$1.50 dozen; \$10.00 per 100.
- Mrs. Dr. Norton.** This flower presents a fascinating color combination. It is a blend of La France pink, cream, sulphur yellow and Tyrian rose. 15c each; \$1.50 dozen; \$10.00 per 100.
- Mrs. Francis King.** Bright scarlet. A splendid red for every purpose. 15c each; \$1.50 dozen; \$10.00 per 100.
- Mrs. Frank Pendleton.** Lovely salmon pink with brilliant dark red blotches in the throat. Three for 20c; 75c dozen; \$5.50 per 100.
- Mrs. Frederick C. Peters.** Beautiful lilac shade with soft crimson blotch. 15c each; \$1.50 dozen; \$10.00 per 100.
- Panama.** Rich rose pink. 10c each; \$1.00 dozen; \$7.00 per 100.
- Prince of Wales.** Clear light salmon. The choicest salmon colored variety. Three for 20c; 75c dozen; \$5.50 per 100.
- Richard Diener.** A very large clear glowing La France pink, flaked with rose and orange. 15c each; \$1.50 per dozen; \$10.00 per 100.
- Rose Ash.** General color effect, "Ashes of Roses." One of the favorite "smoky" sorts. \$15c each; \$1.50 dozen; \$10.00 per 100.
- Rose Glory.** Extra large and ruffled rose. 10c each; \$1.00 dozen.
- Salmon Beauty.** Delicate pure salmon with pure yellow throat. 10c each; \$1.00 per dozen; \$7.00 per 100.
- Scarlano.** Bright fiery scarlet red. 3 for 20c; 75c doz.; 100, \$5.50.
- Schwaben.** Clear canary yellow. Large flower. 10c each; \$1.00 dozen; \$7.00 per 100.
- Sheila.** Light coral salmon fading to flesh pink in throat with primrose blotch on lower petals. Very good form with plenty of vigor. Three for 20c; 75c dozen; \$5.50 per 100.
- Souvenir.** The finest of all yellow primis. 15c each; \$1.50 dozen; \$10.00 per 100.
- Wilbrink.** Delicate pale pink. 3 for 20c; 75c doz.; 100, \$5.50.
- Yellow Hammer.** Yellow with red mark in center. 15c each; \$1.50 dozen; \$10.00 per 100.
- Virginia.** A bright fiery red. The flowers are large, the stems strong yet graceful. 10c each; \$1.00 dozen; \$7.00 per 100.
- Germain's No. 1 Mixed.** A very choice mixture of large bulbs and containing a full range of the most desirable colors. Highly recommended for cutting and all garden uses. Three bulbs for 15c; 60c dozen; \$4.50 per 100.
- Primulinus Hybrid Gladiolus.** A distinct type rich in shades of yellow, orange, apricot, etc. The tall, strong yet slender spikes are more graceful than the ordinary garden varieties. Two bulbs for 15c; 75c dozen; \$5.50 per 100.
- Germain's "Sunset" Collection.** Twelve large bulbs, splendid varieties, no two alike. Packed in handsome lithographed package, \$1.00. Postpaid anywhere for \$1.10.

5 NEW GLADIOLUS

Mission Bells. A California variety of surprising beauty. The large flowers are hooded in such a manner as to appear somewhat bell-shaped. Color a vivid orange salmon. 50c each; \$5.00 dozen.

Golden Dream. A new clear, deep, golden yellow. Very tall spike with many open at one time. 50c each; \$5.00 per dozen.

Helen Wills (New). Wonderful substance. Elegant, clean, large white, shading to soft canary on lower petals. 75c each; \$7.50 per dozen.

David Starr Jordan. Exceptionally tall and individual flowers, immense in size. Rich deep crimson. 25c each; \$2.50 per dozen.

Mrs. John S. Wood. One of the largest grown. Deep salmon flaked with scarlet and ruby. 25c each. \$2.50 dozen.

Collection: One each of the above \$2.00.

Gladiolus may be planted practically all the year. They are of the easiest culture and thrive most anywhere. When in doubt, plant more Gladiolus.



TEN PEERLESS GLADIOLUS

Jack London. Exceptionally tall and individual flowers immense in size. Rich deep crimson. 25c each; \$2.50 dozen.

Chateau Thierry. Orange cerise with yellow bordered red blotch on lower petals. 20c each; \$2.00 dozen.

Captain Boynton. An unusual and rare shade of lavender blue. 25c each; \$2.50 dozen.

Mr. W. H. Phipps. The last word in exhibition pink. This grand flower should be in every collection. 30c each. \$3.00 doz.

Anthony B. Kunderd. One of our choicest "cream and pink" varieties. Heavily ruffled, most artistic. 15c each; \$1.50 dozen.

Anna Eberius. Bright reddish purple deepening at the center to a dark wine red. It has been a prize winner at gladiolus shows for several seasons. 10c each; \$1.00 dozen.

Mrs. H. E. Bothin. A robust spike carrying many well placed flowers of clear geranium pink with bright scarlet center. One of the really worth while sorts. 25c each; \$2.50 dozen.

Romance. Unusually distinct. Combination of orange, salmon and rose with red and yellow throat, wine-blue border. 20c each; \$2.00 dozen.

Saraband. Unusual flower of oriental shadings. Velvety bordeaux with straw yellow blotch, feathered bordeaux. 25c each; \$2.50 dozen.

Sweet Lavender. An early lavender pink. Fine flower, good stem. 25c each; \$2.50 dozen.

Collection: One each of Ten Peerless Gladiolus for \$2.00 postpaid.

GERMAIN'S

Extra Select

Dahlias

Dahlias thrive splendidly throughout the State of California. The great Dahlia show held annually in the ball room at the Hotel Biltmore in Los Angeles has been proclaimed the most beautiful exhibition of its kind to be seen anywhere. This is due in great measure to natural climatic conditions which stimulate a development in Dahlias to truly enormous proportions.

Our tubers are therefore exceptionally vigorous as well as thoroughly ripened, and cured and will produce sturdy plants bearing a wealth of superb flowers of the largest size.



New and Rare Dahlia for 1931

- Runa.** Decorative. A charming orchid ping decorative with a splendid future as a florists' flower. For the abundance of large blooms no dahlia surpasses Runa. Its long stems and unusual keeping qualities make it an especially desirable cut flower.....\$1.00
- Nopal.** A superb new Hybrid Cactus. Flowers of the largest size and perfectly formed. Color a rich glowing red that is brilliant and attractive..... 2.00
- Barbara Redfern.** Decorative. One of the finest of recent California dahlias. It is a delightful blending of old rose and old gold with a pleasing lavender suffusion. The blossoms are of great size and depth and held upright on strong stems..... 2.00
- Eldorado.** Decorative. A very large flower of pure gold deepening to a richer tone at the base of the petals. A dahlia of great depth and excellent substance. Stems absolutely straight and stiff. Early and free flowering..... 1.00
- Faith Garidaldi.** One of the twelve winning California in the 1928 San Francisco Show. The color is a charming silvery pink. Blossoms are ideal for cutting, retaining their freshness over a long period..... 1.00
- Margaret Masson.** Decorative. A most beautiful variety and a most attractive and desirable shade. Ideal for cutting, exhibition or garden display. Color a clear, exquisite lavender. Strong grower and very free flowering..... 1.00
- Orange Gold.** Hybrid Cactus. This bright, colorful variety always attracts much attention. The shade, as the name implies, is a vivid golden orange. It is a most satisfactory dahlia in every respect.....1.00

- Polar Snow.** Decorative. This we consider the best and purest white dahlia in cultivation today. Perfect in form, growth and upright with long stems and of excellent keeping quality..... .50
- Pink Champagne.** This splendid variety is similar in many respects to Champagne Dahlia except that the color is a delightful light lavender pink..... 1.50
- Queen of the Garden Beautiful.** Pale lemon yellow. A giant in size and without doubt one of the largest dahlias ever produced. It has been a winner as the largest flower in many dahlia shows the country over..... 1.50
- Bronze Beauty.** Exceptionally fine variety recently introduced. Very large handsome flowers of golden bronze..... 5.00
- M. H. DeYoung.** Pure old gold, the best of its color. The large flowers are held high on absolutely stiff stems. Fine for exhibition and cutting..... 2.50
- Coringa.** A superb decorative of recent introduction. Large and full. Color capucine yellow, shaded cornelian red..... 3.50
- Eagle Rock Beauty.** Hybrid decorative. A fine well shaped flower and a most delightful shade of cream and pink..... 2.50
- May Trower.** One of the newer decoratives. Large and of excellent habit. A very attractive shade; pale gold to golden apricot..... 2.50
- Pepper's Delight.** Hybrid decorative. A delightful flower indeed. The shade is entirely novel, being a combination of creamy yellow and watermelon pink..... 2.50
- Rio Rita.** A decorative of striking appearance. Color is bright geranium pink suffused and tinged with white..... 1.50
- Elizabeth Pape.** A tiny cactus variety which has attracted the greatest attention—color, a lovely salmon pink .. 1.00



Ten Grand Dahlias

- Champagne.** Decorative. Chamois tinted with coppery bronze. Huge flower on rigid upright stem.....\$1.00
- Daddy Butler.** Hybrid Cactus. Beautiful rosy maroon with lighter reverse..... 1.00
- Dr. Tevis.** Salmon rose, suffused gold and apricot. Decorative..... 50
- Gladys Bates.** Color tan with rose reverse. Petals beautifully curled. Decorative..... 1.00
- Gold Rush.** Decorative. Clear lemon yellow—one of the few really good yellow sorts we have seen..... 1.00
- Kity Dunlap.** Decorative. American Beauty rose. A splendid flower for all purposes..... 50
- Pierrot.** Cactus. True English cactus type. Deep amber, tipped white..... 50
- Trentonian.** A blend of old gold, amber, and coppery bronze. A splendid and lasting decorative..... 75
- Tryphinnie.** Decorative. Bright shell pink with golden suffusion and yellow base..... 50
- Valencia.** Decorative. Chrome yellow with cadmium orange shadings..... 75

Collection: One each of Ten Grand Dahlias \$6.75

Eight Fine Decoratives

- Mr. Crowley.** A bright glowing salmon pink, shading to yellow at the base of petals; the habit is dwarf. The medium size flowers are held erect on strong stems..... 50
- Polar Bear.** One of the best white dahlias.....\$ 50
- Tommy Atkins.** Flaming scarlet with a metallic lustre..... 1.00
- Black Jack.** Extremely large flowers of deepest maroon. Tall, vigorous plants and strong, straight stems..... 1.50
- Ellinor Van de Veer.** Glowing rose pink, large blooms of regular formation carried high on stiff strong stems..... 75
- Hanny Van Waveren.** Delicate Amaranth pink, shading to a darker center. Broad flowers with very full centers.... 1.00
- Jersey's Beacon.** Very vigorous, and a free and early bloomer. Brilliant scarlet with buff reflex..... 1.00
- Jersey's Beauty.** One of the outstanding newer dahlias which has won favor the world over. Clear pure pink in color..... 1.00

GERMAIN'S

Los Angeles - - - - Since 1871

Germain's Popular Dozen

- California Beauty.** Hybrid Cactus, tall grower with perfect stem. A very beautiful flower in a copper and rich amber yellow tipped gold.....\$.75
- Avalon.** A rich golden yellow decorative of great size and beauty. Remarkably fine cut flower, held erect on strong stems well above the heavy dark green foliage..... .50
- Flaming Meteor.** A decorative of great size and depth. Flaming scarlet and orange buff, a brilliant and luminous color combination. The position of the petals and entire make-up of the flower is remarkably regular and symmetrical..... 2.00
- InKyo.** Hybrid cactus, vigorous and floriferous. The large well poised blooms are very dark maroon, almost black..... 1.00
- Mrs. Ethel F. T. Smith.** Flowers of immense size. Cream shading to lemon center. Hybrid cactus..... .50
- Mrs. I. De Ver Warner.** Artistic well-shaped and truly immense in size. Color a bright mauve pink, always popular..... .50
- Mrs. John Bazant.** Large, perfectly double flowers of wavy formation. Creamy white, decorative..... .35
- Orange Boven.** Decorative producing quantities of perfect flowers on ideal stems. Bright orange, scarlet..... .50
- Ralph Ball.** One of the finest yellow dahlias. Glistening deep yellow with gold center. Decorative..... 1.00
- Robert Treat.** Strong growing decorative. Bright American Beauty Rose. A real acquisition to any collection..... 1.50
- Roman Eagle.** Decorative. Brilliant salmon orange, flowers large, deep and full. A tall and sturdy grower..... 1.00
- Rosa Nell.** Among the greatest of all decorative dahlias. a deep bright rose, most unusual and popular..... .75
- Germain's Popular Dozen Collection.** We have tried to group in this collection varieties which in form and coloring are truly representative of the best in modern Dahlias and will be a credit to any garden. The collection..... 9.50

Germain's "Old Favorite" Collection

- Bonnie Blue.** Show. Popular wherever seen. Its striking near blue color is unique.....\$.25
- Golden West.** The popular orange yellow cactus..... .25
- Delice.** Bright rose. Long the favorite pink. Decorative.... .25
- Mina Burgle.** Decorative. Rich crimson..... .25
- Mrs. Alfred Stern.** Lavender pink, cactus..... .35
- Fernand Olivet.** Well known French maroon cactus..... .25
- La Doska Dowd.** Clear yellow with golden center..... .35
- Primrose Dame.** A beautiful cream and pink combination..... .35
- Germain's "Old Favorites"** have stood the test of time their continued popularity is proof of their intrinsic value. The collection of eight..... 2.00

Germain's Cut-Flower Mixture

All good cut-flower varieties, both large and small. All roots are fine and sound, but not individually labeled and we can therefore offer them at a real bargain. 3 for 50c; 6 for 95c; 12 for \$1.75.

Eight Lovely Cactus Dahlias

- Cigarette.** Base of petals orange red, white tips. Very attractive.....\$.75
- Exquisite.** Elegant salmon-pink with yellow center..... .75
- Helium.** Brilliant combination of orange over chrome yellow, very prolific. Long stiff stems..... .50
- Jean Chazot.** Hybrid Cactus. Capucine red with golden suffusion..... .50
- Pink Delight.** A deep pink shading to maize yellow at the base of petals. Excellent stems and growing habits..... .50
- Primrose Dame.** Primrose yellow overlaid with pink. One of the new cut flower varieties..... .35
- Tarantula.** Cactus. Salmon orange. Long narrow petals of true cactus type..... .50
- Norman.** True English Cactus with long narrow incurved petals and very double. Color a bright medium red..... 1.00

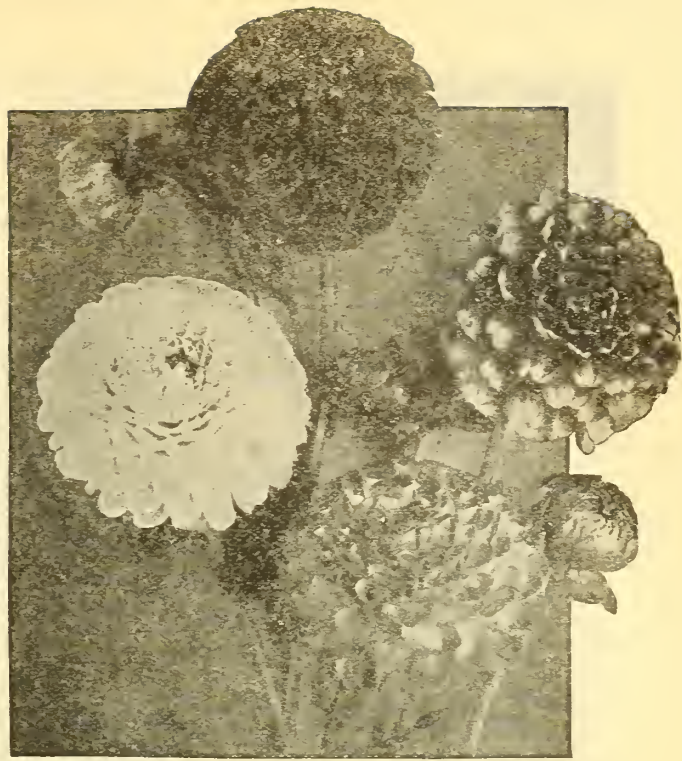
DAHLIAS

California's Best

Pompon Dahlias

These elegant miniature-flowered or Pompon Dahlias have become very popular of late both for garden use and for cutting. They lend themselves admirably to florist work, making beautiful baskets, sprays, etc., and are prized by home gardeners for indoor display in vase or flower bowl. In the garden the rather dwarf bushy plants are always well covered with a multitude of small, brilliantly colored flowers.

Alewine. White tipped lavender pink.....	Gruss Am Wien. Crushed strawberry.....
Alice Rockwood. Pleasing shade of old rose.....	Irene. A miniature decorative rose.....
Amber Queen. Amber shaded with apricot.....	Jeweltje. Miniature decorative, of light pink.....
Jonkheer Von Citters. A striking combination of yellow tipped orange red.....	Joe Fetti. Fine pure white.....
Anna Von Schwerin. True pink.....	Little David. Deepest orange, very free flowering.....
Aimee. Bronze.....	Neatness. Pale apricot.....
Challenger. Dark red.....	Nelly Fraser. White ground, tipped rose.....
Clarissa. Primrose yellow.....	Prince Charming. Lavender heavily tipped purple.....
Darkness. Deep maroon.....	Scarlet Gem. Fine scarlet.....
Dee Dee. Pure lilac.....	Tommy Keith. Red tipped white.....
	Vivid. Bright scarlet.....
	Yellow Gem. (New). Pure yellow.....



SUMMER FLOWERING BULBS

Pompon Dahlias

The elegant miniature-flowered forms have become very popular of late. The varieties are chosen from a large collection and are among the best of this type.

Giant French Anemones

These are among the most showy and beautiful of spring flowers; of neat and compact growth, with elegant foliage and the most brilliantly colored blossoms. They require but little attention and may be used to great advantage in solid beds or masses or in connection with other plants in the border. Their large velvety flowers are ideal for cutting, lasting several days in water.

Price: Large Bulbs, 3 for 25c; 75c per dozen; \$5.00 per 100. Small Bulbs, 50c per dozen; \$3.50 per 100.

Caladium

(Elephant's Ear)

The leaves of immense size on massive stems, grow to a height of four feet. For a tropical effect this plant has no equal. First size, 25c each; \$2.50 dozen.

Calla Lily

Aethiopica. The white Calla Lily or Lily of the Nile, too well known to need further description. Good flowering size, 25c each; \$2.50 dozen.

Calla Elliotiana

(The Yellow Calla Lily)

This is the finest Calla grown; large, deep, rich golden yellow color. The leaves are spotted with white, habit like our old favorite White Calla. Ready for shipment January 1st. Flowering size, 25c each; \$2.50 dozen. Large size, 35c each; \$3.50 dozen. Mammoth size, 50c each; \$5.00 dozen.

Tuberose

Double Pearl. 15c each; \$1.50 dozen; \$10.00 per 100. Mexican Everblooming Single. Delightfully fragrant, very free flowering and of the easiest culture. 10c each; \$1.00 dozen; \$7.00 per 100.

Ismene Calathina

(Peruvian Daffodil)

Large, pure white, Amaryllis-like flowers of unusual appearance. Fragrant and beautiful. Culture same as Amaryllis. Large bulbs, 25c each; \$2.50 dozen.

Superb New Giant Amaryllis

(A. Vittata Hybrids)

The most beautiful of all Amaryllis. The flowers average over 8 in. in diameter and range from white, through rose, carmine, red and crimson, to deep maroon. Mixed, most beautiful shades; extra choice. Large bulbs, 75c each; \$7.50 dozen. Medium size, 50c each; \$5.00 dozen.

Bella Donna. "Bella Donna Lily," rosy pink, delicately shaded with lavender, flowering before the leaves appear, very fragrant and fine for cut flowers, lasting fully a week when cut. Plant in a sunny position, leaving the neck even with the surface of the soil. 25c each; \$2.50 dozen.

Begonia

(Tuberous Rooted)

This splendid class of begonias is perhaps the handsomest of all bedding plants for a shady or semi-shaded location. Bulbs may be started in pots early in February or in the open later in the spring. They prefer a rich sandy loam, and should be covered to a depth of two or three inches. Ready about February 1st. Single. Separate colors—Rose, scarlet, yellow, bronze, white or mixed. 25c each; \$2.50 dozen.

Double. Separate colors—Scarlet, rose, orange, white, yellow or mixed. 35c each; \$3.50 dozen.

Lilium

Auratum. "Golden Banded Lily," the finest and most magnificent of the genus.

Flowers white, spotted crimson with a distinct golden stripe running through each petal. 25c each; \$2.50 dozen.

Ruhrum. "The Red Lily of Japan." Cormine rose on white ground, spotted with crimson. The most showy of Japanese lilies for the garden and an excellent cut flower. 25c each; \$2.50 dozen.

Lily of the Valley

Convallaria Majalis. Forcing pips—very easy to grow indoors in sand or in bulb fibre. In the garden plant in moist and shady place. 10c each; \$1.00 doz.

Montbretia

Crocasmiaeflora. Long spikes of showy, orange-colored flowers, with purple—brilliant and showy. 10c each; 75c dozen.

Ranunculus

(Fair Maids of France)

Surprisingly bright and cheerful flowers in many shades of rose, red, salmon, yellow and white. They grow about 15 inches in height and are splendid for cutting or bedding.

Giant French Mixed. Extra large roots. \$1.00 dozen; \$7.50 per 100. Large selected roots, 60c dozen; \$4.00 per 100. Planting size roots (will bloom first season), 35c dozen; \$2.50 per 100.

Zephyranthes

(Zephyr Flower or Fairy Lilies)

Very effective for massing or borders, flowering in great profusion during spring and summer; also suitable for pot culture; a few bulbs potted in the fall will give a fine display during the winter.

Alba. Pure white, 10c each; 75c dozen.

Rosea. Rose pink, 10c each; \$1.00 dozen.

GERMAIN'S WATER LILIES AND AQUATICS



Egyptian Lotus



Tropical Lilies

A selected list of the choicest Hardy and Tropical Water Lilies and aquatic plants for pools and water gardens. We pay the most careful attention to packing and shipping and have received the highest commendation on the size and quality of the roots we send out.

PLANTING. Place two inches of well rotted cow fertilizer on the bottom with three inches of garden soil on top. Dampen and tamp down hard, then spread half an inch of sand over the top. Plant lilies about two feet apart, so that the crown is just above the surface of the dirt.

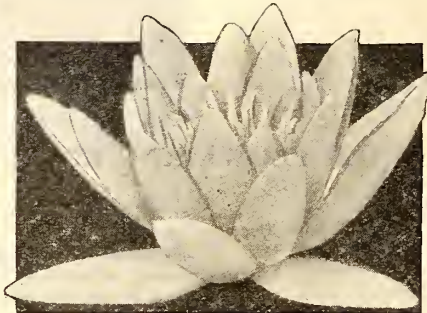
Usually about five lilies will give splendid results in a 9x9-foot pond. Fill very slowly with water, up to the top. The lilies will soon be on top with their new leaves and blossoms. Put in fish and snails. Plant the moss on the bottom in the dirt.

Hardy Water Lilies

- ALBA CANDIDISSIMA.** A vigorous and desirable variety, early and free bloomer, good size and pure white.....\$1.50
- AURORA.** Soft rosy-yellow changing to deep red..... 1.50
Fine for small pools.
- COMANCHE.** Flowers of a wonderful combination of orange and amber red..... 3.50
- CONQUEROR.** Extra large cup-shaped, deep violet-rose shaded with white..... 3.50
- ESCARBOUCLE.** The flowers are most striking in color, being uniform vermilion red..... 6.00
- GLADSTONIANA.** Pure dazzling white, cup-shaped and very massive. One of the best for large pool..... 1.50
- GLORIOSA.** Flowers of perfect form; deep carmine-rose becoming a very dark red late in the season..... 5.00
- JAMES BRYDON.** Free grower with rosy-crimson flowers 4" to 5" in size..... 2.50
- MARLIACEA CARNEA.** A splendid companion to Chromatella, color of flowers being a soft flesh pink..... 1.50
- MARLIACEA ALBIDA.** Large flowers of sparkling whiteness, stamens light yellow..... 1.50
- MARLIACEA CHROMATELLA.** Vigorous grower, flowers are bright canary yellow, leaves green, blotched brown..... 1.50
- MARLIACEA ROSE.** Large deep rose color; young leaves purplish red, changing to a deep green..... 2.00
- MASANELLO.** The flowers are rose-pink, dotted with carmine; the sepals are white, a very odd contrast..... 2.50
- MEXICANA.** Flowers fragrant, bright yellow, standing well above the water, desirable for small pools..... 1.00
- SUNRISE.** The flowers are immense, averaging over 10 inches in diameter. Beautiful sulphur yellow with natural grace resembling the tropical lily..... 5.00
- PAUL HARIOT.** Flowers of large size, clear canary yellow, shading to pink at the base..... 2.50
- PYGMAEA HELVOLTA.** A miniature yellow water lily. A gem for aquariums, tubs, shallow pools..... 1.00
- ROBINSONIA.** Floating flowers of yellow overlaid with purplish-red, the general effect being dark orange-red..... 2.00
- ROSE-AREY.** The flowers, a deep-cerise pink, sometimes reach 8 inches in diameter. One of the best of the Odorata type..... 2.00
- SIoux.** A splendid lily, a rich coppery yellow; shading to amber red..... 3.00
- SOMPTUOSA.** Very large outside petals rosy-pink gradually deepening toward the center to nearly crimson..... 2.50
- WM. DOOGUE.** A magnificent lily. Flowers of a beautiful shell-pink color..... 1.50
- PANAMA-PACIFIC.** The buds, as they come out of the water, are bronzy green. When fully opened, color is reddish purple and stamens are yellow..... 4.00

American and Egyptian Lotus or Nelumbium

- AMERICAN LOTUS (Nelumbium Latea).** (Yellow.) Sometimes called the Water Chinquapin. The rich yellow flowers frequently attain a diameter of 8 to 10 inches. Tubers..... 3.50
- EGYPTIAN LOTUS (Nelumbium Speciosum).** (Pink.) An excellent variety, very hardy and free growing. The blossoms are a very attractive rose color and possess a haunting fragrance. Tubers..... 3.50



Hardy Water Lily

GERMAIN'S MONEY SAVING AQUATIC COLLECTIONS

Save Your Money—Buy Our Special Collections at Collection Prices!

COLLECTION A (Lilies and Aquatics)

- 1 CONQUEROR—Red and White.....\$3.50
1 MARLIAC CHROMATELLA—Yellow..... 1.50
2 WATER POPPIES—Yellow..... .20
1 Bunch of PARROT FEATHER..... .10
3 WATER HYACINTHS—Orchid..... .25
1 ARROWHEAD GIANT..... .25
Complete \$5.00

COLLECTION B (Hardy Lillies)

- 1 PAUL HARIOT—Orange.....\$2.50
1 ALBA CANDIDISSIMA—White..... 1.50
1 MARLIAC CHROMATELLA—Yellow..... 1.50
1 MARLIAC CARNEA—Flesh Pink..... 1.50
Complete \$5.95

COLLECTION C (Hardy and Tropical Lillies)

- 1 MRS. C. W. WARD—Rose.....\$2.50
1 DAUBENIANA—Light blue..... 1.50
1 MEXICANA—Yellow..... 1.00
1 COMANCHE—Orange..... 3.50
Complete \$7.25

COLLECTION D (For Miniature Water Garden)

- 1 PYGMAEA HELVOLTA—Yellow.....\$1.00
1 AURORA—Orange..... 1.50
2 HYACINTH—Orchid..... .25
1 Bunch of PARROT FEATHER..... .10
Complete \$2.15

Tropical Water Lilies

- DAUBENIANA.** Remarkable in that young plants spring from the upper surface of the leaves and become separate individual plants. The color of the flowers is a very light blue, delicately scented and attaining a good size..... 1.50
- INDEPENDENCE (Mrs. Sawyer).** Deep pink, full-petaled flower that opens earlier and closes later than any other day bloomers..... 5.00
- MRS. C. W. WARD.** A most charming variety with petals of rich rose-pink illumined by a mass of golden stamens. Flowers are borne well out of the water..... 2.50
- PENNSYLVANIA.** A most beautiful water lily of great merit; the flowers are large in size and of a rich azure blue. One of the best..... 5.00
- ZANZIBARENSIS AZUREA.** Similar to the above but flowers opening wider and of a clear azure blue color..... 2.50
- ZANZIBARENSIS PURPUREA.** One of the best of the day blooming varieties. Rich dark blue flowers produced on long stems. A free and continuous bloomer..... 2.50
- ZANZIBARENSIS ROSEA.** One of the very best of the day blooming varieties. Deep rosy-pink flowers produced on long stems, standing well out of the water..... 1.50
- ZANZIBARENSIS RUBRA.** A splendid variety bearing flowers of a very bright rosy-crimson, an extremely free bloomer..... 3.50

Submerged Plants (For Fish Bowls and Aquariums)

- ANACHARIS (Fish Moss). 5 strands..... .15
COON TAIL (Ceratophyllum). 5 strands..... .15
SAGITTARIA (Broadleaf). Each..... .25
VALLISNERIA SPIRALIS (Eel Grass). Long ribbon-like leaves, each..... .10
Above Collection Complete 55c

Shallow Water Plants

- ARROWHEAD GIANT (Sagittaria sagittifolia).** Distinctive leaves standing 1 to 3 feet above water. Flowers white. Hardy, each..... .25
- CAT-TAIL (Typha latifolia).** One of the favorite native swamp plants. Hardy, each..... .25
- EICHORNIA CRASSIPES MAJOR (Water Hyacinth).** Flowers delicate lilac rose in trusses like a Hyacinth, each..... .15
- IRIS PSEUDACORUS (Yellow Flag).** Yellow flowers of the Japan Iris type. Hardy, each..... .50
- LUDWIGIA MULETTI.** One of the prettiest of the submerged plants. For bunch of 5 strands..... .15
- PARROT FEATHER (Myriophyllum proserpinacoides).** Quite successful in a tub or water-tight hanging basket. Hardy, for bunch of 5 strands..... .15
- PICKEREL RUSH (Pontederia cordata).** Blue flowers produced freely. Total growth about 2 feet. Hardy, each..... .50
- WATER POPPY (Hydrocleis nymphoides).** The leaves float. Flowers are large and yellow, similar to the Cal. poppy, each..... .15



Germain's Premium Quality Vegetable Seed

Since 1871 we have catered to the critical market garden trade. We have at all times only offered such varieties as were best adapted to the Great Southwest.

The following listing is composed of those varieties of vegetable seed that we consider the best for the market or home garden.

A great deal of experimenting and testing was necessary to complete this list and we only add to it when our trial shows that a new variety is worthy of a listing.

At our "Floravista Ranch" situated in the San Fernando Valley, we are continually testing and experimenting with old and new varieties. Hundreds of trials each year are completed so that we can offer to our customers the best the world affords.

You are invited to visit our trial grounds which is situated on Ethel Avenue, between Oxnard and Victory Boulevards. Here you will see the work that is carried on to enable us to offer to our valued customers the best in vegetable seed.



All Prices on this Page are Postpaid

ARTICHOKE

Alcachofa Artischoke Aurtichaut

Culture. Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted an inch deep. Plant out when six inches high in rows four feet apart each way. Save offsets from best plants for new supply, as artichokes never come true from seed, some will prove inferior.

ARTICHOKE LARGE GREEN GLOBE

A highly prized product of our gardens and peculiarly a California product as practically the entire acreage grown in the United States comes from the counties in California bordering on the Pacific Ocean. Under these weather conditions it develops a hardy vigorous plant with sturdy flower stems that carry buds the size of a teacup, the succulent lower portion of which is the edible part which has pleasing flavor unlike any other vegetable.

The artichoke when once established produces for several years and a few plants in your garden will amply repay you. Pkt. 10c, oz. 90c, ¼ lb. \$3.00, 1 lb. \$9.00.

ASPARAGUS

Esparrago Spargel Asperge

Culture. Soak seeds twenty-four hours before planting. Sow in February in beds broadcasted or in rows, covering about one inch. The following January transplant to rows three or four feet apart and a foot apart in the row, with at least six inches of soil over the roots. Light sandy soils are preferable.

Note. By planting two year old roots, much time and labor will be saved. See prices of roots, Page 106.

Mary Washington. This is a new rust resistant variety produced by government experts and is the best asparagus now grown and is displacing the older varieties. Oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50.....\$.10

Palmetto. The best known and most popular of the standard varieties. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Argenteuil. Another standard variety used largely by canners. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

We can also furnish roots of all above varieties at 35c dozen or \$2.50 per hundred.



MARY WASHINGTON

BEANS

See Field Seed Section for other varieties, such as Bayou, Black Eye, Castor, Mexican Pink, Small Navy, Lady Washington, Soja.

ALL PRICES ON THIS PAGE ARE POSTPAID

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on page 3.

Culture. Beans respond very readily to good soil and cultivation. A light, rich, well-drained loam is the most desirable. The use of manure is advisable but should be used sparingly as it might make the plant run too much to vine. There is no plant more sensitive to cold and wet than the bean. We therefore advise not to plant until the ground has become dry and warm. The largest returns will result in planting in drills from 2 to 3 feet apart. Cover the seed one and one-half inches deep and thin the young plants 3 to 6 inches apart in the row. If planted in hills about 2 feet apart each way.

Keep them coming. For rotation, plant at intervals of from one to two weeks. The plants until time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into blossom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field poorly prepared as to need deep stirring after planting.

Beans—Dwarf or Bush, Green Pod

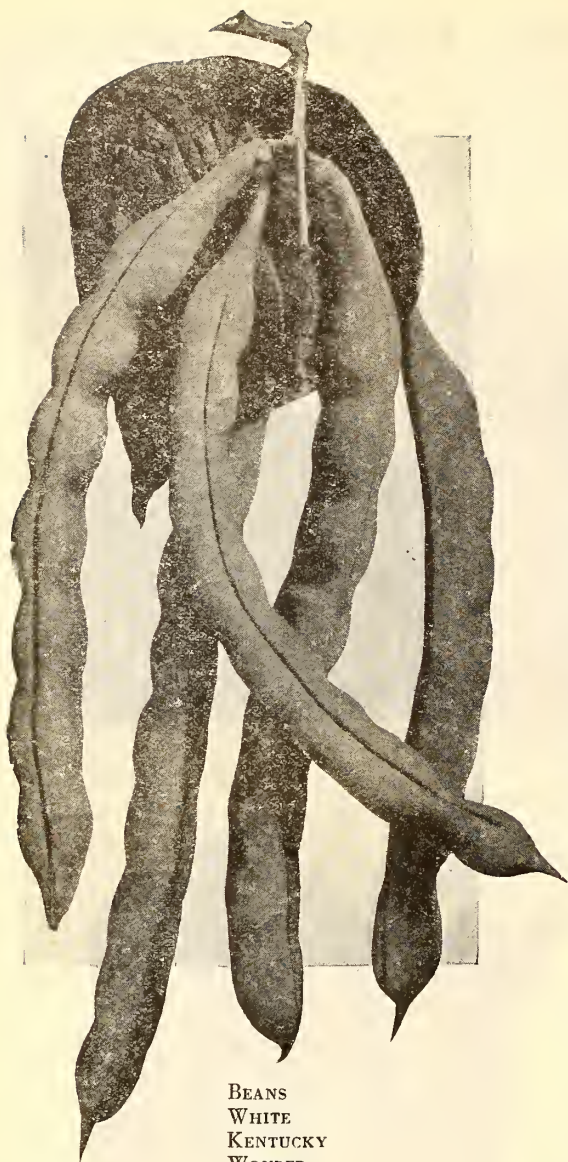
Burpee's Stringless Green Pod. Doubtless the best bean in its class and is used extensively by canners, market gardeners and in the home garden. It is early, vigorous in growth, entirely stringless, even when fully grown, pods 5 to 6 inches long, very thick and meaty and of unsurpassed quality. As our trade is large in this variety we have taken great pains to grow a fine, even, true to type strain that will prove satisfactory to the most critical planter. Seed medium size, yellowish brown. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... .10

Bountiful. Similar in appearance to Early Long Yellow Six Weeks but an improvement on this old standby in every way. A thrifty and productive plant with handsome pods six or seven inches in length, and entirely stringless and of finest quality, remaining in good condition for snaps much longer. We are confident you will be more than pleased with this new improved strain of the Six Weeks type. Seed medium size, kidney shape, light yellow, somewhat darker around the eye. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.0010

Canadian Wonder. A very hardy large plant used by gardeners for winter crops as they do better than other kinds when weather is cold and wet; large, broad, handsome pods of good quality, seed large, rather flat, carmine colored. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... .10

French Mohawk. An early prolific variety, pods long, oval. Seed large kidney shape nearly blotched with reddish brown. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... .10

Full Measure. This excellent variety is fast becoming popular with our gardeners. Pods are somewhat like stringless Green Pod but longer and more slender, about 5 inches long, of splendid quality and entirely stringless. We highly recommend this variety to our gardeners. Seed brown mottled. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... .10



BEANS
WHITE
KENTUCKY
WONDER

Beans Bush, Wax Pod

Davis Wax on Ventura Wonder Wax. One of the best of Wax podded sorts for home garden. Very vigorous and hardy and will thrive in warm location better than any other wax bean. Pods very long, handsome, straight, light yellow, crisp and tender when young.

Seed medium size kidney shape, pure white and dry seed excellent for winter use which adds to its popularity as the ripened seed are as good in every way as the small whites for baked beans. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.0010

Golden Wax. The best early wax pod. Plants medium size and very productive. Pods medium size flat and of best quality. Seed oval white with purple blotching around the eye. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... 10

New Kidney Wax. A recent introduction that has become very popular with our market gardeners. It is a second early variety, plant vigorous, with a heavy setting of very attractive pods. Long, straight, round, a light wax-like yellow and of finest quality. Seed white, kidney shape, with dark blotch around the eye. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... .10

SEEDS

California's Best

Beans Pole

Kentucky Wonder. This is the leading all around pole bean being used alike for home gardens, market gardens and canners. It is early, vigorous, of good climbing habit. Pods very large. 8 to 10 inches, bright green. round, fleshy and somewhat crooked and crumpled as they mature but keep in eating condition till fully grown.

A few plants of this variety will furnish your table with the best of snap beans for a good part of the summer.

Seed long oval of a dull brown color. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... .10

Kentucky Wonder White Seeded. Largely used by local market gardeners as it has an abundance of large tender pods and is two weeks earlier than the Brown Seeded Kentucky Wonder. Seeds snow white when ripe and are good used as dry beans, ½ lb., 25c; 1 lb. 45c; 10 lbs. \$4.00 .10

Kentucky Wonder Rust Resistant. A strain of Kentucky Wonder, that is rust resistant, and should be planted in sections where beans are subject to rust. ½ lb., 25c; 1 lb. 45c; 10 lbs., \$4.00..... .10



BEANS
DAVIS WAX



BEANS
STRINGLESS GREEN POD

Kentucky Wonder White Seeded Rust Resistant. The rust resistant strain of white seed Kentucky Wonder. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00.

If your beans are subject to rust plant the Rust Resistant Strains.

Kentucky Wonder Wax. An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods which are light yellow, broader and fully as good quality. If a wax podded bean is desired for home or market this is the one best variety to plant; seed oval, flattened, somewhat shriveled, dark brown. ½ lb. 25c; 1 lb. 45c; 10 lbs. \$4.00..... .10

Asparagus or Yard Long. An introduction from the Orient, very vigorous and productive with pods two feet or more long which are round, tender, of good quality. You will find it an interesting novelty and somewhat different in taste from other kinds; seed reddish brown and very small. ½ lb. 75c; 1 lb. \$1.50.. .10

Scarlet Runner. Largely planted for its brilliant scarlet flowers although it is also good as a snap bean when young, may also be used green, shelled. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10

Broad Beans

Germain's English, or Broad Windsor. The celebrated broad bean of England, growing on a strong stalk two feet high; beans eaten shelled. 1 lb. 25c; 10 lbs. \$2.00..... PER PKT. \$.10

GERMAIN'S

Los Angeles - - - - Since 1871

BEANS

Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents a pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post necessary postage should be added. See our Parcel Post Schedule on inside front cover page. If quantities are desired, write for special prices.

Lima Beans

Prijole Bohne Haricot Nain

Culture. Beans for the home garden should be a continuous summer crop, and sowings may be made from the middle of March to September. Plant two inches deep. Have drills one and one-half to two and one-half feet apart, according to variety; directions will be found on individual packets for the respective sorts. The average amount needed to plant an acre is fifty pounds. One pound will sow one hundred feet of drill. They will thrive in any good soil.

Bush Varieties

Fordhook. The best of the Bush Limas, sometimes called Butter Beans, grows a vigorous erect bush with large pods containing three to five beans, in clusters making picking easy. PER PKT.

Beans are large, very thick, white with a tinge of green and of finest quality. Our stock of this splendid variety is very superior and we highly recommend it for your garden. ½ lb. 20c; 1 lb. 40c; 10 lbs. \$4.00.....\$.10

Henderson's Bush Lima or Baby Lima. A very early and prolific variety. Beans small flat and of fine quality, can be grown in interior valleys, where the large seeded varieties do not thrive. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.0010

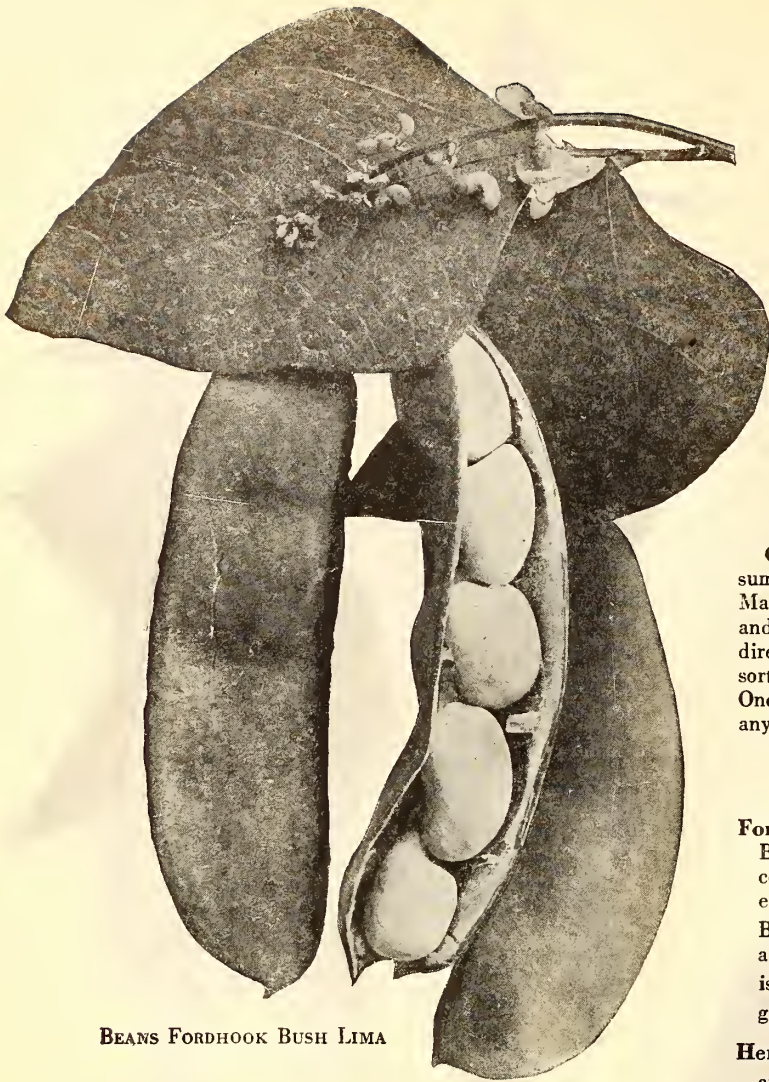
Burpee's Improved Bush Lima. The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans of large size and excellent quality. ½ lb. 20c; 1 lb. 40c; 10 lbs. \$4.00..... .10

Pole Varieties

Giant Podded Pole Lima. The largest podded of the Limas, pods of enormous size and contain 4 to 6 large beans of finest quality. ½ lb. 30c; 1 lb. 55c; 10 lbs. \$5.00\$.15

King of the Garden. Perhaps the most popular of the Pole Limas, pods large and well filled with beans of excellent quality. ½ lb. 20c; 1 lb. 40c; 10 lbs. \$4.00..... .10

Monstrous Lima. Differs from other varieties in that it continues to bear several successive crops, planted in favorable location in early winter it will mature crop in the spring. If vines are pruned after crop is picked you will get a fall crop. Owing to their great size they are usually planted in hills 4x6 ft. Coming at a season when other Limas are not in market, they are a big money maker for the gardner. ½ lb. 35c; 1 lb. 60c; 10 lbs \$5.50.. .15



BEANS FORDHOOK BUSH LIMA

FORDHOOK BUSH LIMA

Fordhook is the latest introduction among the Bush Limas but on account of its vigor, productiveness and superior quality it is now the leader in amount used by a large margin.

Our stock of this splendid variety is grown with great care and careful selection and the seed we offer will give entire satisfaction to the most critical planter. Either used as green shelled or dry for winter use the Fordhooks will supply your table with the best.

"We are using liquid Semesan on our lettuce plants to prevent damping off, with excellent result."—O. W. Scott, Kansas.

"When I put my egg plants into the field, it looked as though every one would die. I was advised to treat them with Semesan, and after doing so, every plant grew. The egg plants that were treated were much larger than the untreated plants."

C. W. Goldy, New Jersey.

NITRAGIN

Beans belong to the legume family. Agricultural colleges advise inoculation for all legume seeds. Nitragin, the original legume inoculator, applies nitrogen-gathering germs directly to the seed. It is very inexpensive to use. ¼ bu. size will inoculate 15 lbs. of seed, price, 40c; ½ bu. size will inoculate 30 lbs. of seed, 60c; 1 bu. size, will inoculate 60 lbs. of seed, \$1.00; 5 bu. size will inoculate 300 lbs. of seed, \$4.75, the above prices being postpaid.

Be sure to specify the kind of legume seed you wish to inoculate when ordering. In using Nitragin, you not only maintain but also restore your soil fertility, thus producing larger and more profitable yields.

SEEDS

California's Best

BEET

Note—Prices listed are postpaid.

Table Beets

Remolacha Rothe Ruebe Betterave

Culture. This is one of few vegetables that can be grown the year around. A beet patch completes the garden. Seed planted at intervals of three weeks will keep beets coming in rotation. The seed should be sown in drills 15 inches apart and 1½ inches deep, and covered by hand unless following field culture. (The use of a rake for this purpose disturbs the seed and often draws the seed out of the ground. The result will be an irregular row.) Thin out then to 4 to 6 inches apart in the row. These young beets are excellent used as spinach. Frequent cultivation is essential to produce a successful crop.

Extra Early Egyptian. A splendid variety that matures sooner than any others. Tops small, roots small, dark red, somewhat flattened and of good quality. Plant it for first early crop. Oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.....\$.10

Improved Crosby or Early Wonder. As early and desirable as the original Crosby, and of better color, being less of the light zoning. Tops small, roots very smooth and uniform making it an ideal beet for bunching. Our stock of this desirable variety is the best obtainable. Oz. 15c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Detroit Dark Red. The best general purpose variety on the list. Not quite so early as Egyptian but of finest quality. Roots medium size, nearly round and dark blood red color with no light zoning, making it especially desirable for canning and equally good for home use or bunching for the market. Oz. 15c; ¼ lb. 40c; 1 lb. \$1.25..... .10

Swiss Chard, or Silver. Cultivated for its leafstalks, which are served like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced. Oz. 15c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Swiss Chard Lucullus. A new variety. Leaves very crinkled of an attractive light green color and very thick and fleshy. Easily grown and furnishes a supply of good greens for a long period. Oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.... .10

BROCCOLI

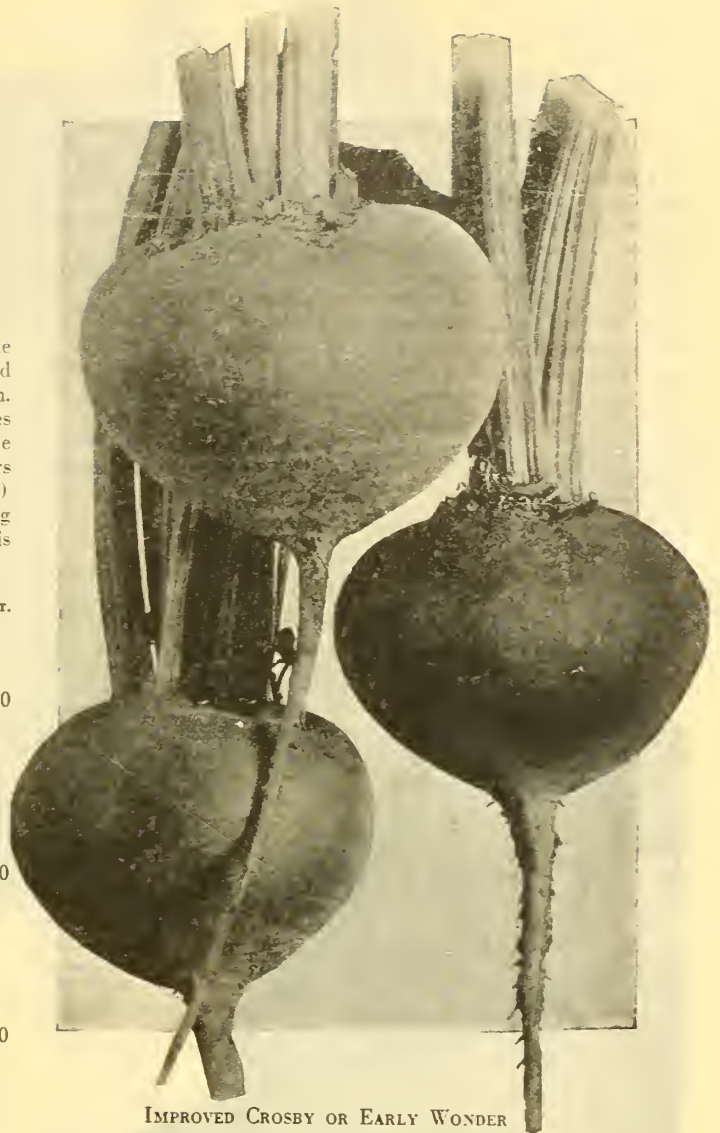
Note—Prices listed are postpaid.

Brocoli Spargelkohl Brocoli

Culture. Broccoli like the cauliflower is a cultivated variety of the wild cabbage which is grown for the sake of the head, which is similar to cauliflower. Heads are smaller than cauliflower. To secure broccoli at its best we advise growing your own and picking one hour before cooking. Culture the same as cauliflower.

White Cape. Heads of medium size, compact of creamy-white color. Oz. 90c; ¼ lb. \$3.00; 1 lb. \$9.00.....\$.10

St. Valentine. A variety grown commonly in Oregon and Washington for the Eastern market. Oz. \$2.00; ¼ lb. \$6.50; 1 lb. \$20.00..... .15



IMPROVED CROSBY OR EARLY WONDER

BROCCOLI GREEN SPROUTING

(Glory of Calabria)

A new member of the Broccoli family to be used in this country. The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild flavor having none of the distinct cabbage flavor so common in this family of plants.

Being a new vegetable on our list we have investigated very carefully the best varieties and have given them careful trials at our trial grounds and are now able to offer you the Glory of Calabria imported from Italy as the best obtainable. Plant and care for as the other Broccolis or Cauliflower. Oz. \$1.50; ¼ lb. \$5.00; 1 lb. \$15.00.....\$.10

BRUSSELS SPROUTS

Note—Prices listed are postpaid.

Berza de Bruselas Rosenkohl Chou de Bruxelles

Culture. Sow in September and October and treat same as Cabbage.

Germain's Half Dwarf Paris Market. A half dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality. Oz. 30c; ¼ lb. 90c; 1 lb. \$2.75.....\$.10

CABBAGE

Note—Prices listed are postpaid.

Col Repollo Kopfkohl Chou Pomme

Culture. Knowing the first essential of successful cabbage growing to be good seed, we have always obtained our seed from expert seed growers, and therefore we enjoy an enormous volume of business on this variety of vegetable.

To raise cabbage successfully is not difficult, as it is comparatively easily grown. We advise the planting of seed in beds or land of light, rich texture at a depth not to exceed 1/2-inch; and the soil should be pressed firmly over the seed. The plants should not be allowed to crowd one another before they are transplanted, but as soon as large enough to be handled should be lifted out to their permanent place.

For early varieties, such as Winnigstadt, plant in rows 3 feet apart, plants 1 foot apart in the row. The larger headed varieties, 1 1/2 feet apart in the row.

For the permanent field, soil of a firm, stiff, rich nature is preferred.

Immediately after transplanting, the plants should be watered and constant, deep cultivation is very essential. A cool, moist climate seems to be the most suitable of all for the culture of cabbage which generally grows to greater perfection in the coast region, as heat and drought are injurious to them.

Sudden changes of temperature have a tendency to make cabbage go to seed and growers should watch them carefully to see that their field is moist but properly drained. Sudden check in growth is prevented by this care.

It is only logical that a climate that is good for man would be good for insects also.



CABBAGE COPENHAGEN MARKET

GERMAIN'S

Los Angeles - - - Since 1871

California has a greater variety of insects which live longer and reproduce more generally than any other state in the Union.

On that account we have found it advisable to maintain an insecticide department which devotes itself to garden troubles of all kinds. Write to this department at any time and tell us your troubles. Our experts will gladly advise you to the best of their ability.

The cabbage, for instance, is a vegetable that while not bothered with a great number of insects, nevertheless has two enemies which do considerable damage if not routed.

These are the cabbage worm and the cabbage aphid. The former is velvety green in color and when full grown is about an inch and a quarter in length. They are easy to detect and the parent of this worm is present from morning to night in the shape of the common white butterfly, which seems so harmless when flying around in the garden. The best remedy is dusting or spraying with Corona Dry.

The cabbage aphid, or as otherwise known the "cabbage louse," is a small insect of a greenish black color and similar in appearance to the green aphid found on rose bushes. Nicotine sprays such as Black Leaf 40, or Tobacco Dust, applied thoroughly, will effectively combat the ravages of this pest.

Copenhagen Market. This rather recent addition to our list of cabbage is now the leader in the round headed varieties and is the most desirable all purpose cabbage we list. For earliness, sure heading, uniformity in size and shape and superior quality, it easily takes first place. Our stock is carefully selected with the view of inducing our customers to plant this splendid variety year after year. Oz. 65c; 1/4 lb. \$2.15; 1 lb. \$6.50.....\$.10

Early Winnigstadt. Tho an old variety, Winnigstadt is still the leader in the pointed headed list being early, very hard, sure heading and of superior quality. Our stock is from the best sources carefully selected and will give entire satisfaction for the home garden, market gardener, or shipper. Oz. 35c; 1/4 lb. \$1.20; 1 lb. \$3.50..... .10

Danish Ball Head or Hollander. A very solid, hardy, late variety of finest quality. Best for winter keeping. Oz. 55c; 1/4 lb. \$1.85; 1 lb. \$5.50..... .10

Early Flat Dutch. Very hardy, handsome, very solid, of fine quality, and as one of the very best keepers, it is particularly desirable for distant markets or for late spring use. Compact growing, with long stems and exceedingly hardy in resisting cold and dry weather. Oz. 35c; 1/4 lb. \$1.20; 1 lb. \$3.50..... .10

Late Flat Dutch. A low-growing variety; heads large, bluish green, round, broad and flat on top; an excellent fall and winter variety; good keeper. Oz. 35c; 1/4 lb. \$1.20; 1 lb. \$3.50..... .10

Drumhead Savoy. The best of the Savoy type, large solid heads, deep rich green color. Oz. 40c; 1/4 lb. \$1.35; 1 lb. \$4.00..... .10

Red Dutch or Pickling. Fine solid dark red heads very desirable where a red cabbage is wanted. Oz. 35c; 1/4 lb. \$1.20; 1 lb. \$3.50..... .10

SEEDS

California's Best

CAULIFLOWER

Note—Prices listed art postpaid.

Collflor Blumenkohl Chou-fleur

Culture: Prepare the seed-bed carefully, using only rich and thoroughly pulverized soil. Good results are obtained by keeping the plant in a healthy and rapidly growing condition. Broadcast the seed in the seed-bed prepared, sowing the early varieties from May 15th to July 1st; medium early varieties May 20th to July 5th; and late varieties any time from June 25th to Aug. 25th inclusive. When the plants are 40 days old, they are ready for the field. Transplant to 15 inches apart in rows 30 to 36 inches apart. Do not leave plants in the hot-bed over 45 days as the stems become hard and poor results follow. Keep the plants vigorous and growing.

Due to different localities requiring a different time of planting of Cauliflower, we advise your writing us for specific planting information, which we will be glad to give.

Early Snowball. It is a snow-white Cauliflower and its leaves have a tendency to over-lap at the top of the flowers. In this way, it protects from injury, exposure to frost, rain or heat. It is very essential that good cauliflower be so protected on account of shipping, and in this, our strain is perfect. Our market garden trade is immensely pleased with this strain and our business on it has grown to very large proportions. ¼ oz. 90c; 1 oz. \$2.50; ¼ lb. \$7.50; 1 lb. \$30.00.. .25

Germain's Early Snowflake. This type should be planted from June fifteenth to the first of July. We, however, do not recommend the planting of cauliflower too early because of the possibility of its heading prematurely, and climatic conditions also have considerable to do with the success of the grower. Price ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00.....\$.20

Germain's Medium Snowflake. Plant from May twentieth to July fifth. This is the money-maker for the market grower as it becomes ready for the market at the time when prices are best. Price ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00..... .20

Germain's Late Snowflake. Here we have a distinctive type which should be planted June 25th to August 25th. This is a taller plant than the other type as it grows to a height of three feet or more. It should be planted two feet apart in rows three feet apart. Price ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00..... .20

Germain's Dry Weather. Produces large, solid and pure white heads. It is especially adapted for growing in dry locations where most varieties fail to produce good heads. ¼ oz. 90c; 1 oz. \$2.50; ¼ lb. \$7.50; 1 lb. \$30.00..... .25

Veitch's Autumn Giant. A large, late sort of robust habit; heads compact, large outer leaves. Succeeds well in southern latitudes. ¼ oz. 50c; 1 oz. \$1.50; ¼ lb. \$4.00; 1 lb. \$12.0020

Chinese Cabbage

Chinese White. A valuable contribution to our list from China where it has been grown for centuries. Habit of growth like cos-lettuce, seed sown in rows 30 inches apart and thinned to 12 to 15 inches in rows. Outer leaves delicate light green, inner leaves blanched to a creamy white, delicate and fine flavored either as salad or cooked like ordinary cabbage. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.0010

Chinese Green. More spreading in habit than the white and is used largely for chicken feed as it produces an enormous tonnage of good green feed. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.



CABBAGE
WINNING
STADT



CAULIFLOWER EARLY SNOWBALL

PER PKT.

GERMAIN'S

Los Angeles - - - - Since 1871

CARROTS

Note—Prices listed are postpaid.

Zanahoria

Moehre

Carrotte

Culture. Sow any time in deep, loose soil, preferably sandy loam about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times. The carrot is one of the most wholesome and nutritious of our garden roots, deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. For feeding stock, especially horses and milch cows, the carrot cannot be surpassed, and it should be more largely grown by farmers for this purpose. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.

French Forcing. The earliest variety, short, globular shape good quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... PER PKT. \$.10

Chantenay. The best of the early carrots about 6 inches long, stump rooted, smooth, fine grained and sweet; a fine sort for bunching, for market, or for home gardens. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Danvers Halflong. Within the last few years the growing of carrots in large acreage for shipment to eastern markets has grown by leaps and bounds and practically all of the hundreds of carloads shipped are Danvers Halflong. To be chosen for such a purpose proves they are the right size, the right color and the right quality. None better for home gardens. Oz. 20c; ¼ lb. 45c. 1 lb. \$1.25..... .10



DANVERS HALF LONG

Long Orange. A fine carrot for light porous soil but not suitable for hard or heavy soil. None better in quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Oxheart. A short, thick variety. the best to plant on heavy soil where it can be easily lifted. A very heavy yielder and excellent quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

White Belgian. For stock; grows to enormous size, one-third out of ground. Oz. 20c; ¼ lb. 40c; 1 lb. \$1.10..... .10

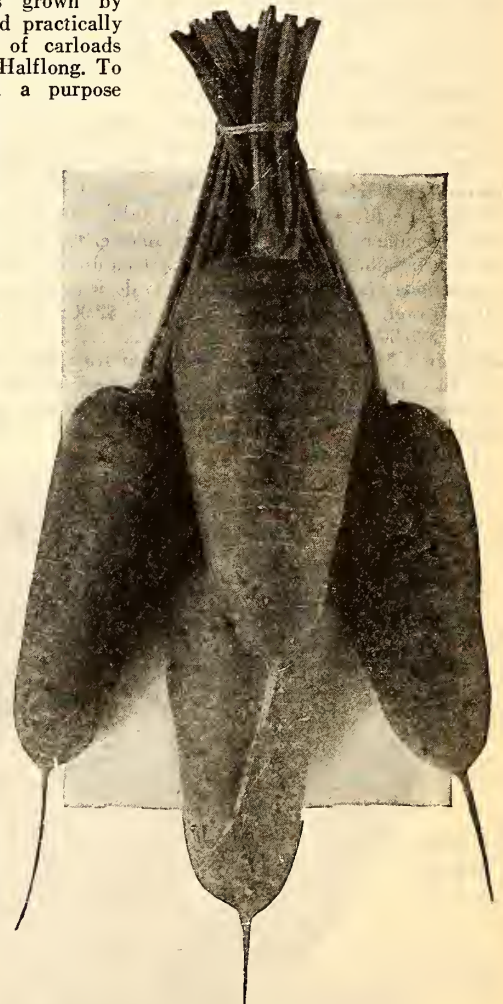
Yellow Belgian. Like white except in color. Oz. 20c; ¼ lb. 40c; 1 lb. \$1.10..... .10

CELERIAC

Note—Prices listed are postpaid.

Culture. It is grown in nearly the same way as common celery and like this vegetable, requires good rich, moist, mellow, and well-manured soil. It is generally sown in seed beds in February and can be planted until May. When about 4 to 6 inches high the plants should be removed from seed bed and planted 12 inches in the rows and the rows should be about 18 inches apart. Plants require no further attention than frequent watering and it is necessary to have the ground well cultivated and free from weeds.

Celeriac, Large, Smooth Prague. It is a turnip-rooted celery of distinctive flavor similar to celery. It makes a wonderful salad when cooked and cut cold. Oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50..... PER PKT. \$.10



CHANTENAY

SEEDS

California's Best

CELERY

Note—Prices listed are postpaid.

Apio Sellerie Celeri

Culture. Sow from February to May in drills one foot apart. Later, usually in June, transplant to rows four feet apart and six inches apart in row. Rows should be furrowed out so plants may be set six inches deep. Later, soil may be banked against rows for blanching, even so-called blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants.

Golden Self Blanching French Grown. Old Strain. PER PKT. For years this has been the leading variety of celery grown, and thousands of carloads are shipped out of California each year. It produces a rather short blocky head of finest quality, blanches easily to a beautiful golden yellow and especially on very rich land is still in great demand by our growers. Oz. \$2.00; ¼ lb. \$6.00; 1 lb. \$20.00.....\$.10

Golden Self Blanching French Grown. New Type. A late development of the original strain which grows taller. Takes a little longer to mature but produces wonderful crops of finest quality celery. Our stock is imported from the best French sources and put up in original sealed bags for the further protection of our customers. Oz. \$2.00; ¼ lb. \$6.00; 1 lb. \$20.00..... .10

Golden Self Blanching, California Grown. Much like the new type French, and considered by many growers of equal quality. Oz. 80c; ¼ lb. \$2.65; 1 lb. \$8.00.....\$.10

White Plume. A very early variety of attractive appearance and good quality valuable where earliness is desired. Oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50..... .10

CHICORY

Note—Prices listed are postpaid.

Achicoria Cichorie Chicoree

Culture. Sow any time except hottest weather, though early spring is preferable, in rows eighteen inches apart and three or four inches apart in row. A deep-rooting plant requiring little care if soil is moist.

Large Rooted Magdeburg. PER PKT. This variety is grown for its roots, which are dried or roasted and ground as a substitute or adulterant for coffee. The leaves can also be used but should be cut when fresh. They make a splendid salad. To secure large roots, soil should be light, rich and deeply worked. Plants should be thinned from 4 to 6 inches. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.....\$.10

Witloof or French Endive. Is used as a salad and is most delicious served with French dressing and eaten like lettuce. Seed should be sown in June, July and August in drills 12 to 18 inches apart and the seedlings should be thinned out to stand not closer than 3 inches. In the fall, lift the plant, trim off the leaves and store in sandy soil in a cool place until wanted for forcing. The roots should be planted upright about 1½ to 2 inches apart in a trench 16 to 18 inches deep. This brings the neck of the root within 9 inches of the level of the surface of the trench, which should be filled with light soil. It requires about one month to force the root. The heads are then cut off with a small portion of the neck of the root attached. We recommend this vegetable to those who enjoy a salad of exceptional flavor. It can be easily grown if these directions are carefully followed. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10



CELERY
GOLDEN SELF
BLANCHING

CHERVIL

Note—Prices listed are postpaid.

Perifollo Kerbel Cerfeuil

Culture. The seed may be sown throughout the entire year in open ground where the crop is to be grown, but in very hot weather it is better to sow in a shady position with a northern exposure. The leaves can be cut in from 6 weeks to two months from date of sowing.

The leaves are aromatic and they are used for seasoning and in salads. This vegetable is used a great deal by the English. For further culture same as parsley. PER PKT.

Curled. Is a vigorous grower, handsome and ornamental. It has a pleasing flavor and is highly recommended for garnishing, also for flavoring soups. Oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50.....\$.10

COLLARDS

Note—Prices listed are postpaid.

Culture. A plant similar to cabbage. It does not, however, produce a head, the central leaves often forming a loose rosette.

They are tender and are used as a pot herb like kale. They are also desirable as greens for poultry or rabbits. The same culture is applied as to cabbage, except spacing; plant 3 feet apart in rows 3 feet apart when in field. PER PKT.

True Georgia. A strong growing variety with light green leaves. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.....\$.10

GERMAIN'S

Los Angeles - - - - Since 1871

CORN

Sweet or Sugar

All Prices on this Page are Postpaid.

Maiz

Mais

Mais

Culture. Sweet corn should not be planted until in the spring when all danger of frost is past. The soil preferred is one rich and moist. Corn is not a lazy man's crop, as continual cultivation is necessary.

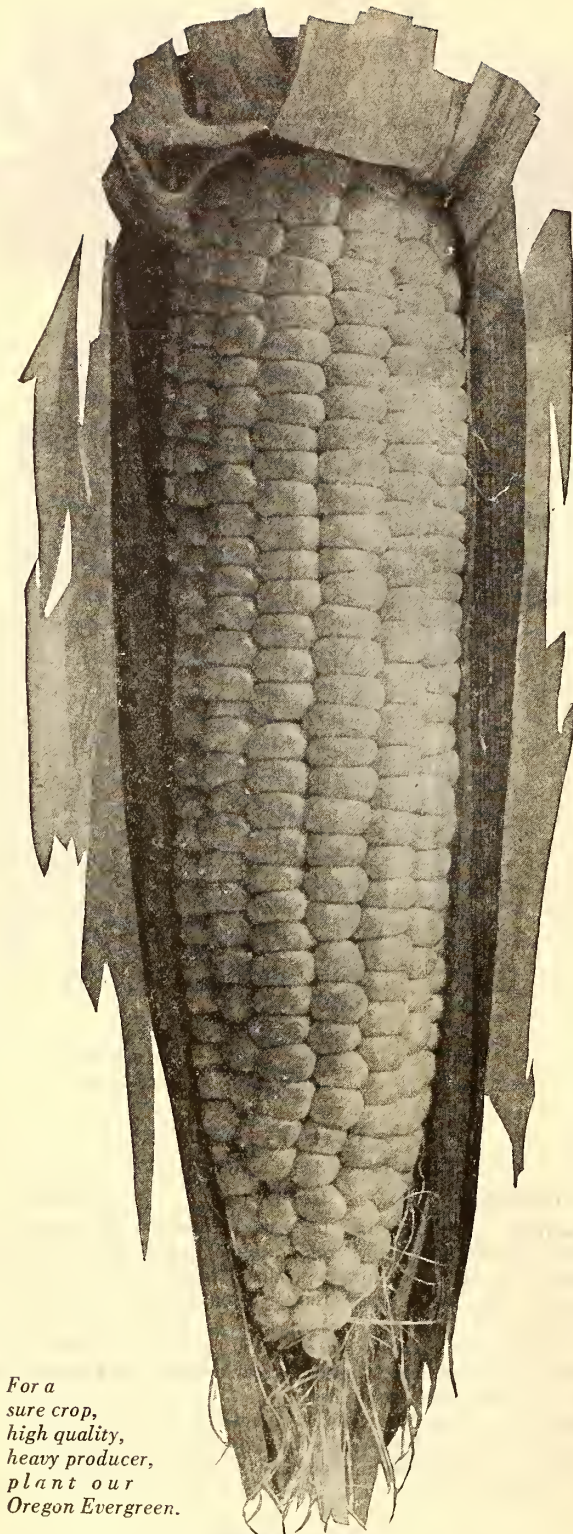
Plant in hills 18 inches apart with rows 3 feet apart. Three or four seeds may be planted in each hill but not more than two allowed to stand. As "suckers" or excess shoots appear they should be removed as they take strength from the mother plant. Whenever soil presents an appearance of drying, irrigate. To prevent the Corn Ear Worm we recommend Corona Dry.

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on page 3. If quantities are desired, do not fail to write for special prices.

	PER PKT.
Early Adams. Not a sweet corn but used largely for first early as it is very hardy, and matures quickly is tender and good quality. Can be grown successfully in the hot valleys. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....	\$.10
Golden Bantam. The leading variety for early home garden planting, ears though small are numerous and of finest quality very sweet and tender. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....	.10
Golden Giant. We introduced this splendid variety last year and it has sold beyond our expectations and is rapidly becoming a favorite. The plant is sturdy and vigorous with usually two fine symmetrical 12-rowed ears with a heavy husk. It is fully a week earlier than Oregon Evergreen with the tender luscious melting quality of Golden Bantam, which makes it not only an ideal corn to plant for the home garden but we firmly believe will readily make a place for itself among market gardeners. Do not fail to try Golden Giant as it is of Golden Bantam quality, is earlier than other main crop varieties, and a heavy producer. Price, ½ lb. 25c; 1 lb. 45c; 10 lbs. for \$4.00 .....	.10
Black Mexican. Regarded by many as the best second early sweet corn, very sweet and tender. Ears are white when in eating condition, turning black as it matures. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....	.10
Early Minnesota. A fine second early variety, ears medium size and of fine quality. Good for home garden or early market. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....	.10

SWEET CORN

Oregon Evergreen. We sell each year more Oregon Evergreen Sweet Corn Seed than all other Sweet Corns combined and its use is increasing each year showing it is firmly established as the favorite variety with planters generally. It is a main crop or second early variety, very vigorous and productive. Ears large and well filled to the tip with large delicious pearly white grains. We have selected a heavy tight husk which protects it from the corn ear worm. For a sure crop, high quality, heavy producer, plant our Oregon Evergreen. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00 .....	.10
Country Gentlemen. A good home garden variety, cob small, grains very deep, small and irregular, very sweet and tender. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....	.10
Stowells Evergreen. Best for late corn. Ears large and of best quality. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....	.10



For a
sure crop,
high quality,
heavy producer,
plant our
Oregon Evergreen.

GERMAIN'S OREGON EVERGREEN

For corn ear worm, dust with Corona Dry Arsenate of Lead as soon as the silk begins to show on the corn, dusting the silk thoroughly.

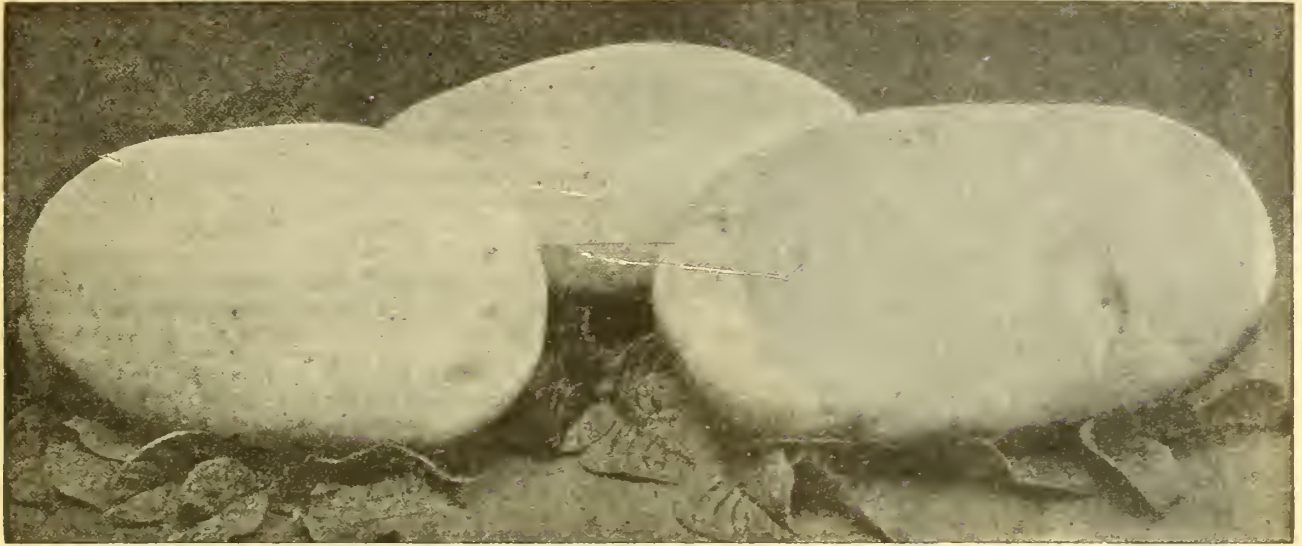
Corona Dry is used by mixing from two to four ounces of arsenate of lead to one pound of flour or hydrated lime.

Prices: 1 lb. pkg., 40c; 4 lb. pkg., \$1.00. Express only.

SEEDS

California's Best

GERMAIN'S SEED POTATOES



GERMAIN'S EARLY WHITE ROSE SEED POTATOES

Please write us for prices on the following varieties of seed potatoes: **British Queen, Early White Rose, Early Red Rose, Wisconsin Pride and Sweet Potatoes**, stating the quantity desired. Seed potatoes vary greatly in price with general market conditions, and we can assure you that we will at all times quote the lowest possible prices consistent with market conditions and the quality of the stock that we furnish. The production of high quality, disease free seed potatoes is one of our specialties. Probably the greatest cause of the perpetuation of potato diseases is the planting of cheaply priced seed potatoes that are diseased and produce crops of poor quality and low yields. The utmost care is taken in the production, inspection and selection of Germain's Selected Seed Potatoes to obtain stock that is uniform in size, true to type, vigorous and free from potato diseases. Some of our potatoes are California grown and some are Oregon grown. We are having

our seed stocks of the varieties adapted to Oregon, grown there, on account of the fact that Nematode and Tuber Moth, two very serious potato diseases, are both unknown in Oregon, while they are existent in California.

Planting Directions

Write for our special booklet on the growing of potatoes. It contains detailed and valuable information.

Seed Treatment

Semesan Bel. Semesan Bel, either as a liquid or a dust, should be used to disinfect seed potatoes before planting. A separate booklet is published on Semesan Bel which will be gladly sent to you upon request. For prices on Semesan Bel see Page 115.

POP CORN

Culture. Requires same care and culture as a sweet corn.

Queen's Golden. A large-eared and handsome yellow popcorn. Grains are large, pop perfectly white and are exceedingly tender. Plant grows about six feet high, and yields three or four ears to the stalk; price 30 cents; 10 pounds \$2.50.

White Rice. A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches in length and from one to one and a quarter in diameter; one pound to the stalk; price 1 pound 30 cents; 10 pounds \$2.50.

CORN SALAD

Canonigos Feldsalat Mache

Culture. This should be planted in early spring or late summer. It is a hardy plant having no enemies and only requires 60 to 65 days to mature; it, however, will not succeed in hot weather but must have cool growing weather. One ounce of seed will sow a row 30 feet long. The small leaves are served like lettuce or for garnishing dishes in the same manner as parsley or cress.

Germain's Fetticus or Lamb's Lettuce. Oz. 30c; 1/4 lb. \$1.00; 1 lb. \$3.00.....\$.10

CHIVES

Cebelleto Schnittlauch Ciboulette

Culture. The same methods of growing are used as for green onions. However, when the plant is about 2 inches high it should be transplanted to 3 inches apart in rows which are 12 inches apart. Chives are grown for the young leaves which are produced freely from early in the spring throughout the summer. It is a perennial of continuous growth and as the leaves are cut away, new growth comes on. The flavor is mild, resembling that of an onion and is used in soups and various other dishes if onion flavor is desired. Oz. \$2.50.....\$.15

Practically all vegetable and flower plants are troubled with aphid or plant lice. Evergreen Plant Spray is a non-poisonous insecticide which is simply mixed with water and is then sprayed on the plants. For prices, see Page 115.

GERMAIN'S

CUCUMBERS

Note—Prices listed are postpaid.

Pepino Gurke Concombre

Culture. Cucumbers should not be planted until all danger of frost is over and the ground is warm, because like all vine crops the seed is liable to rot unless proper conditions prevail.

Cucumbers should be grown in every garden, for slicing for the table and small fruits for pickling. In most sections two plantings can be made. First, as early as the weather permits, second, the latter part of July or first of August.

The early planting will produce cucumbers for table use and the late planting will give the best supply of young fruits for pickling purposes.

Sow 6 to 10 seed in hills 4 to 6 feet apart. After all danger of pests are removed and you are sure of your plants, thin, leaving the three strongest. Cucumbers enjoy a light, sandy, rich soil. They should be planted one inch deep. One ounce will plant 50 hills; 2 pounds, one acre.

PER PCT.

Boston Pickling. An early pickling or slicing variety. Oz. 25c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Chicago Pickling. Medium size and season good for pickles or slicing. Oz. 25c; ¼ lb. 60c; 1 lb. \$1.75..... .10

Davis Perfect. A favorite with market gardeners, long, slim and dark green, holding its color well to maturity. A favorite variety among shippers. Oz. 25c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Klondike. Another good white spined variety medium length, very dark color and fine quality. Vine vigorous and productive. Oz. 25c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Long Green. One of the best for all purposes—fruits long and slender, seed cavity small, quality unequalled. Oz. 25c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Japanese Climbing. A very rampant grower good for Trellis, fruits long dark green and of excellent quality. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50..... .10

West India Gherkin. Quite distinct from other cucumbers, vine resembles watermelon, fruits small oval, used only for pickles when very small, very prolific. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00..... .10



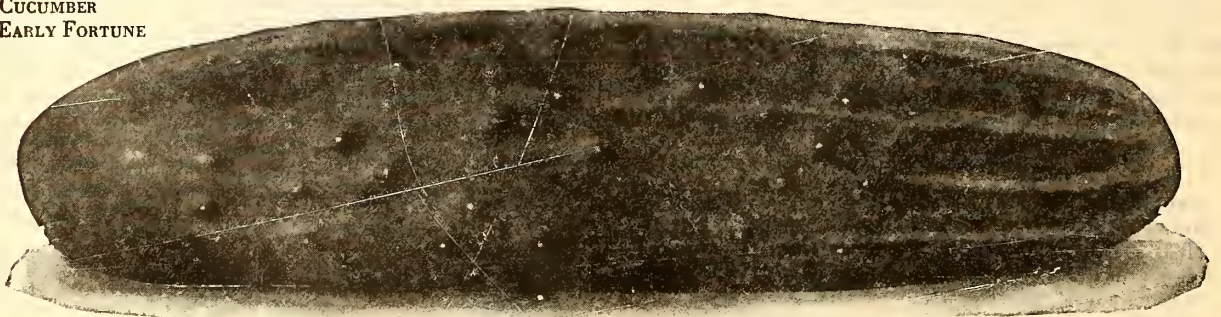
LEMON
CUCUMBER

CUCUMBER

Lemon. This cucumber is quite distinct from most varieties as the name indicates; it is the size and shape of a good sized lemon, color creamy white when at its best eating condition which turns yellow as it ripens. Makes a distinctive and very fine pickle when small and is the finest cucumber grown for slicing being very crisp and delicate and never turning bitter. For your own garden plant Lemon for the finest slicing cucumber you can grow. Oz. 30c; ¼ lb. 85c; 1 lb. \$2.50..... .10

Early Fortune. After careful and repeated trial in our trial grounds we are convinced that Early Fortune is the best all purpose main crop cucumber on our list, equally desirable for the home garden where a good quantity, crisp and tender cucumber is wanted or for shipping to distant markets. It is about 9 inches long of uniform diameter making it an ideal shape to pack and carry nicely. The color is a deep attractive green with white spines. Seed cavity small, flesh very crisp and solid. Oz. 25c; ¼ lb. 70c; 1 lb. \$2.00..... .10

CUCUMBER
EARLY FORTUNE



SEEDS

California's Best

EGG PLANT

Note—Prices listed are postpaid.

Aubergine Berengena Eierpflanze

Culture. The plants should be started under glass if wanted early. If later results are desired, seed should be planted in cold frames or in boxes where special care can be given.

Egg plant seed is very delicate and will not grow unless special care is given it. It is easily affected by cold weather. Seed should be barely covered and particular attention should be given to have well-pulverized soil of rich composition. Moisture is an important factor and care should be taken to have the soil in beds or boxes moist, as any check to growth is exceedingly difficult to overcome and invites failure.

Plants should not be set out permanently until all danger of frost is over, using plants 6 to 8 inches tall of vigorous growth for setting in the field.

Space plants 3 feet apart each way and cultivate thoroughly throughout the season.

New York Improved. None of this delicious vegetable has ever been brought to such a state of perfection as GERMAIN'S Strain of New York. An early variety, large, oval-shaped and the deep purple kind that tastes surprisingly like oysters when fried. It has an indescribably delicate and alluring flavor when stewed. This variety is a great producer, 50 to 60 pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....\$.10

Black Beauty. This is a fine, extra early variety, which has proven very satisfactory. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.. .10



NEW YORK IMPROVED
EGG PLANT

DANDELION

Note—Prices listed are postpaid.

Amargon Kuhlblume Pissenlit

Culture. It is used for greens and is much prized by epicures. Sow seed in the spring in rows 1 foot apart and thin plants to stand 1 ft. apart in the row. Sandy loam soil is best suited.

Improved. An early, large, broad-leaved variety. Oz. \$1.50. \$.10

ENDIVE

Culture. Same as for lettuce.

Green Curled makes a fine salad, especially for winter use. When ready for use outer leaves are green with the center of the head blanched to creamy white.

The use of this variety has increased greatly in the past few years and carloads are now shipped to Eastern markets.

Pkt. 10c; Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00

Broadleaved Batavian. Makes an excellent winter salad grown like lettuce and heads tied loosely for blanching regarded by some as the best of the Endives.

Pkt. 10c; Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00

CRESS, OR PEPPER GRASS

Note—Prices listed are postpaid.

Mastuerzo, Berro Kresse Cresson

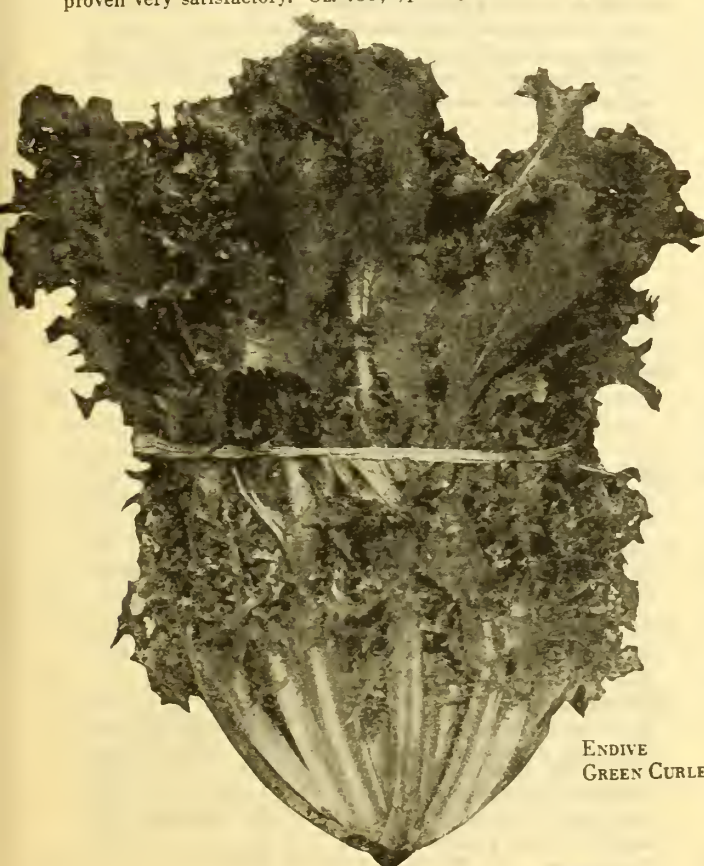
Culture. There are many kinds of cress, all characterized by a more or less pungent taste. They are used in salads and for garnishing dishes.

Water cress is grown in almost any ditch, shallow stream, or moist earth and also under benches in greenhouses. It is a perennial and is propagated by scattering either seeds or freshly cut stems where the plants are wanted to grow.

Pepper grass or cress should be sown thickly in drills every few days if a succession is wanted. One ounce will sow 200 feet of row.

Fine Curled (Pepper Grass). Grown very quickly from seeds sown thinly in drills. Leaves are finely curled and very ornamental but as the plant runs quickly to seed, frequent plantings should be made. The flavor resembles that of mustard. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Water Cress. A heavy foliated plant, adapted to water culture. It has a slightly pungent taste. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....\$.10



ENDIVE
GREEN CURLED

GERMAIN'S

Los Angeles - - - - Since 1871



LETTUCE
NEW YORK

LETTUCE

Note—Prices listed are postpaid.

Lechuga Salat Laitue

Culture. A world wide grown vegetable because it can be quickly and easily grown. Is extremely palatable and very nutritious. Every garden deserves a lettuce plot. The quickest growing types are the loose leaf varieties, and we suggest for the home garden a plot of loose leaf and a bed of the heading type. The loose leaf varieties will have matured and be used up by the time the heading types are matured.

The loose leaf Lettuce does not form heads but where the plants are grown a distance apart they make a large rounded cluster of leaves. Leaves are heavily crumpled and attractive in appearance, crisp and tender. We advise the planting of two ounces of seed for a 150 foot row and if the lettuce is too thick, thin after it has attained a size which can be pulled and used for salad or it can be thinned out when young and transplanted to another section of the garden. Lettuce needs considerable moisture, applied often but not too heavily and plenty of cultivation to obtain best results.

Head Lettuce is so called because of its extremely solid or compact formation. Such types as Los Angeles Market, Wonderful, New York, Big Boston and Iceberg, may be depended upon to satisfactorily mature a firm cabbage-like head.

Heading varieties should be sown the same as loose leaf except that it should by all means be thinned out when the fourth leaf appears leaving plants in the row 10 inches apart.

A rich pliable medium loam soil is best.

Cos or Romaine

Paris White Cos. The best of the Cos Lettuce, very crisp and tender. Requires plenty of room and plenty of water to make good head. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00..... .10

Cabbage or Heading

New York or Los Angeles Market. There is grown in this state for shipment east upwards of fifty thousands acres of Lettuce, practically every acre of which is New York. Seldom is the consumption of any vegetable so entirely of one variety as in the case of New York Lettuce.

This is due to its fine appearance, excellent quality and large percentage of perfect heads. Our stock is grown with greatest care and is not to be compared with some offered.

Plant our New York and supply your table with large, solid, crisp heads of the finest lettuce grown. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00..... .10

Iceberg. Does well during the summer; a large solid light green head, edge of leaves tinged with red, good quality. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00..... .10

Hansen. A standard variety, crisp, tight heading, light green, of good quality. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.... .10

Loose Leaved Varieties

Black Seeded Simpson. A favorite among the loose leaf kinds, very crisp and tender. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.5010

Early Curled Simpson. The best of early varieties of the loose leaved kinds; leaves light green, crisp, and fine flavor. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Prize Head. A distinct loose leaved sort, reddish brown in color and very fine quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.5010

Chicken Lettuce. This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale, to a height of four to five feet, with much growth of leaf. It is used mainly for chicken and rabbit feeding. It absolutely does not head and is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens, etc. Oz. 15c; ¼ lb. 50c; 1 lb. \$1.50..... .10

SEEDS

California's Best

KOHLRABI

Colinabo

Kohlrabi

Chou-rave

Culture. This vegetable is a cross between a cabbage and a turnip. The edible portion is the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around. Plant it like turnip and thin to six inches apart in row. One ounce seed will produce 2000 plants. Use when 2½ to 3 in. in diameter as it soon becomes woody.

Early White Vienna. Flesh white and tender. Oz. 30c; PER PKT.
¼ lb. \$1.00; 1 lb. \$3.00.....\$.10

GARLIC

Ajo

Knoblauch

Ail

Culture. Garlic is a perennial plant with a bulbous root and belongs to the onion family. It has flat leaves and the bulb is composed of several parts or bulbels similar to those of a multiplier onion set. Garlic has a strong, penetrating odor and flavor and is highly esteemed for flavoring soups, stews, etc. We cannot offer seeds but can supply the bulbs or sets.

Prepare the ground as for onions, separate the sets and plant them in drills eight inches apart and four to six inches apart in the drill, covering two inches deep. Cultivate like onion sets. When the leaves turn yellow, pull bulbs and dry in the shade.

Garlic Sets. Per pound 40 cents postpaid. Write for prices when quantities are wanted.

HERBS

HERBS IN COOKING

Every good cook uses herbs in the culinary art, but comparatively few housewives are acquainted with the delicious and appetizing flavors secured by the addition to many dishes of one or more of the old fashioned herbs. Easily grown in the house yard and preserved for use simply by drying and placing in tight jars. No order for garden seeds should fail to include them.

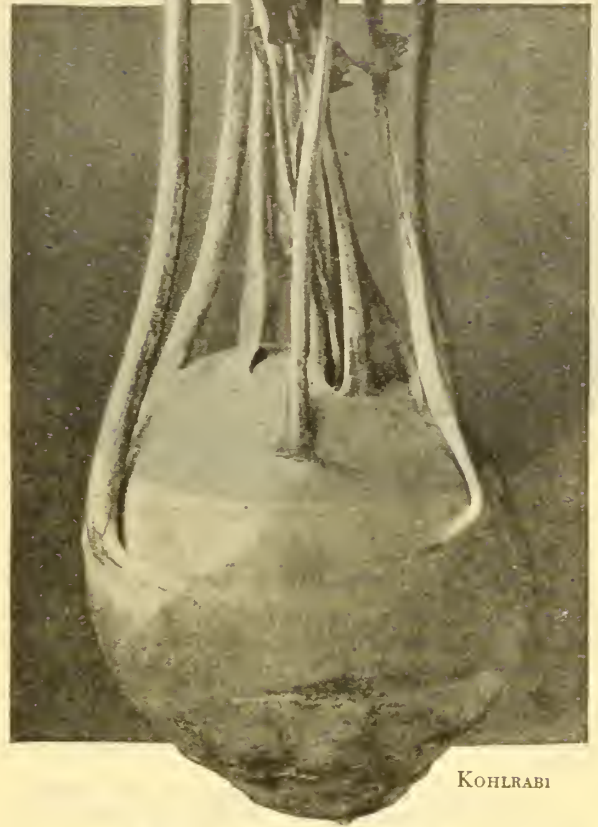
Pot, Sweet and Medicinal

Note—Prices listed are postpaid.
10 cents per packet

A well assorted selection of the various kinds of herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Care should be taken to harvest on a dry day just before they fully blossom.

Angelica Garden (Archangelica officinalis).
Anise (Pimpinella anisum).
Balm (Melissa officinalis).
Basil Sweet (Borago officinalis).
Borage (Borago officinalis).
Caraway (Carum carui).
Catnip (Nepeta Cataria).
Coriander (Cariandrum sativum).
Cumin (Cuminum cyminum).
Dill (Anethum graveolens).
Dill (Anethum graveolens).
Fennel, Sweet (Foeniculum vulgare).
Horehound (Marrubium vulgare).
Hyssop (Hyssopus officinalis).

Lavender (Lavender vera).
Marjoram, Sweet (Origanum Majorana).
Rosemary (Rosmarinus officinalis).
Rue (Ruta graveolens).
Saffron (Carthamus tinctorius).
Sage (Salvia officinalis).
Savory, Summer (Satureja hortensis).
Savory, Winter (Satureja montana).
Sorrel
Tansy (Tanacetum vulgare).
Thyme, Broad-Leaved (Thymus vulgaris).
Wormwood (Artemista absinthium).



KOHLRABI

KALE, OR BORECOLE

Breton

Blaetterkohl

Chou Vert

Culture. This is a very popular boiling green and in Southern California can be grown the year around. It resembles cabbage in flavor, is a hardy plant and can be easily grown from seed. Plants are usually cut off when the leaves are 6 inches or more in length, but with the fine curled varieties the leaves can be gathered for use when of good size.

If the tall Scotch variety is planted, the lower leaves should be carefully pulled off so that the plants can grow on and furnish a continuous supply.

This is also true of Jersey or Tree Kale. One ounce of seed will produce 4000 plants. Seed should be sown thinly in drill and reset 12 inches apart in rows 3 feet apart.

Dwarf Curled Scotch. Very hardy, excellent for spring use. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....PER PKT. \$.10

Green Curled Scotch. The kind most commonly used; grows to a height of eighteen inches; spreads to three feet in diameter; leaves bright green and curled. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Jersey, or Tree Kale. Of vigorous growth, grown for chickens and stock only. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.... .10

Thousand Headed Kale. An excellent food for poultry, an immense yielder. Crops are known to have gone as high as 60 tons of green feed per acre. Anyone having poultry should plant it. Oz. 20c; ¼ lb. 45c; 1 lb. 1.25..... .10

Seed should be planted in drills 3 feet apart and the plants transplanted when from 6 to 8 inches high. The plants should be set three feet apart each way.

They grow about 4 feet high with a wide spread of leaves and a single plant often weighs 30 to 40 pounds.

GERMAIN'S

Los Angeles - - - - Since 1871

MUSKMELONS

Note—Prices listed are postpaid.

Melon Almizeleno Cantalupen Muscade

Culture. Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. This is usually March, and planting may continue until July 15th. Warm ground is essential to the germination of the seed, for if planted too early in the Spring it will rot. Soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, when moisture has thoroughly penetrated and the soil is in workable condition, spade or plow the ground and see that it is thoroughly pulverized. Third, prepare furrows 6 to 8 inches in depth and 5 to 7 feet apart according to space you can spare. Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than 1 inch deep and as the plant grows, gradually fill up the furrow with soil until level with surface.

Do not irrigate close to the plant as it will cause dampening off and other diseases. The roots of the plant being as long as the vine, close up irrigation is not necessary and in cultivating see that these roots are not disturbed as it would ruin the plant. Practice frequent shallow cultivation. Plant 8 seeds to the hill and when thoroughly established pull out all but three. Two to three pounds of seed is used to an acre.



PERSIAN MELON

Salmon Fleshed

Rocky Ford No. 1025. This is the salmon fleshed type of the old reliable Rocky Ford which has been grown more extensively than any other Cantaloupe both by shippers and private gardens. The fruits are medium size closely netted with a thin tough rind which stands long distance shipping, flesh a bright salmon, firm sweet and juicy, cavity small.

PER PKT.

You will make no mistake in planting our 1025 whether a few hills or a thousand acres. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.7510

Tip Top. Is still the leading variety on the Los Angeles market where it has held first place and brought the grower top prices for years.

There is a reason as it is unsurpassed in eating qualities, is very juicy and sweet, flesh has that melting quality so desirable and found only in the best melons. It is an ideal melon for individual service so is a prime favorite with hotels and restaurants as well as private gardens. By successive plantings supply your table with the best. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... .10

Hales Best. The earliest of the Salmon Fleshed shippers, and now used more than any other variety for long distance shipping; it is also growing in favor with the market gardeners on account of its earliness, fine appearance and uniformly fine quality. Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Edwards Perfecto. Another selection of the Salmon Fleshed shipping melon, and equally good for nearby markets. Has remarkably small seed cavity, flesh deep orange and of finest quality. Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Burrells Gem. Another of the Salmon Fleshed melons of fine quality and a little larger than the others. A fine home garden melon. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... \$.10

Persian. Although of recent introduction this splendid melon is largely grown for home use and nearby markets. It is large, weighing 8 to 10 lbs. Almost round without ribs, heavily netted, flesh very thick, juicy and finest quality. Would not recommend this variety for planting along the Coast as it requires warm weather. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10

Green Fleshed

PER PKT.

Rocky Ford. The best of the green fleshed cantaloupe either for shippers or home garden. Medium size, early oblong, well netted flesh, very sweet and spicy. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... \$.10

Extra Early Hackensack. Medium size oval melon maturing quickly, very early, flesh green, thick, and fine quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Large Hackensack. Somewhat the same type as extra early Hackensack but larger and later; for a melon of good size and quality for home garden, plant Large Hackensack. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10



ROCKY FORD No. 1025

SEEDS

California's Best

Honey Dews and Casabas

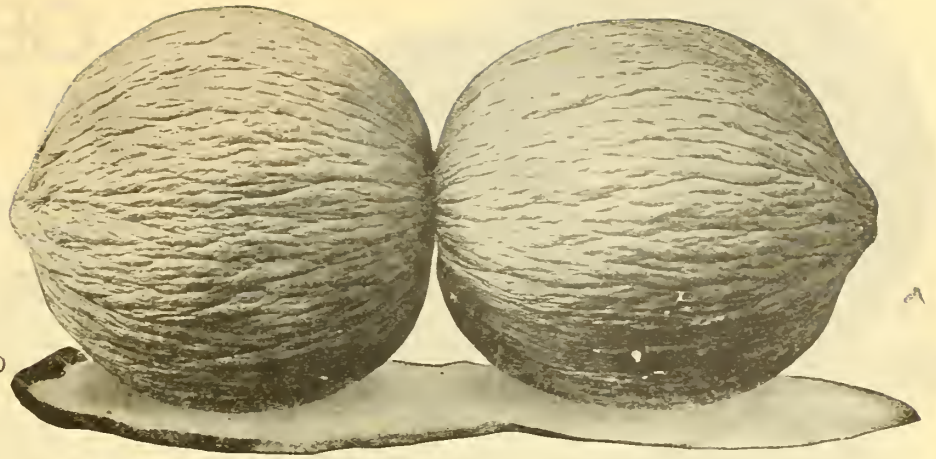
Honey Dew. A medium size round melon of a dull creamy white color, flesh green, quite distinct and very delicious flavor. The rind is tough without netting, and ships well to distant markets. Oz. 25c; ¼ lb. 70c; 1 lb. \$2.00.....\$.10

Golden Honey Dew. In outward appearance like the Honey Dew, but has Salmon colored flesh and a delicious flavor. Oz. 25c; ¼ lb. 75c; 1 lb. \$2.25..... .10

Golden Beauty. This superior variety is rightly named, is of a true golden color and by far the most attractive of the Casabas. The outer skin is tough, allowing long distance shipping. In shape almost a globe with wrinkles or furrows running irregularly the length of it. Flesh very thick, juicy and sweet. The most profitable of the Casabas for the gardener. Can be kept for weeks after picking. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00..... .10

Improved Hybrid. A large, rather late Casaba, very prolific and of finest quality. A favorite on the local markets. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50..... .10

Santa Claus. A real Christmas melon, ripens very late and can be kept for weeks. A long oval shape, ripens yellow blotches with green, flesh juicy and good. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00..... .10



CASABA GOLDEN BEAUTY

LEEK

Puerro

Lauch

Poireau

Culture. Leek is a very hardy plant with a sweet onion-like flavor. It resembles the young onion growth in the spring as it does not bulb.

The neck or stems are blanched by drawing the earth up about them as the plant grows in size or they can be transplanted to trenches and the trench gradually filled as the plant grows. They should be planted in drills or rows 16 to 20 inches apart and the plants 10 to 12 inches apart.

Plant seed in seed bed, broadcast or in drills, covered to depth of one-half inch, and when they are about as thick as a good sized goose quill they should be transplanted.

London Flag. A large and strong plant; hardy. Oz. 35c; ¼ lb. \$1.15; 1 lb. \$3.50.....\$.10

MUSTARD

Note—Prices listed are postpaid.

Motaza

Senf

Moutare

Culture. Sow any time in the year, though autumn sowing brings best greens for they revel in cool weather. Not particular as to soil, though a medium heavy one is best.

Giant Southern Curled. Leaves large light green finely curled, and has a mild agreeable flavor. It also makes a fine greens for poultry. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....\$.10

Ostrich Plume. Another of the large fancy leaved mustards of fine quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Chinese White. A hardy large leaved variety, very mild and in great favor among Orientals. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10

White London. The light colored seed that is used for grinding and flavoring pickles. Oz. 20c; ¼ lb. 25c; 1 lb. 75c10

MUSHROOM SPAWN

Seeta

Schwamm

Champignon

Cultural instructions for growing mushrooms given free to every purchaser of spawn.

Lambert's Pure Culture. This spawn is specially prepared for us and produces results where the average spawn proves a failure. It is a strong strain of spawn thoroughly acclimated to California conditions and selected with reference to earliness, size, flavor, appearance, prolificity and quality of the mushrooms that it will produce. We highly recommend this spawn to those who intend to raise mushrooms for the market. Bricks 40 cents each, 5 bricks \$1.75, postpaid.



Germaco
Hotkaps
New Method of
Plant Protection

Protect Plants for Profit and Force Them to Earlier Maturity

Germaco Hotkaps are miniature hot houses made of an especially prepared waxed paper. They protect your plants from frost, wind, rain, insects, and ground-crusting, thus producing hardier, quicker crops.

Germaco Hotkaps are used very successfully whether you have only a few plants in your back yard or a large acreage.

For complete information, see Page 77.



GERMAIN'S

Los Angeles - - - - Since 1871

WATERMELONS

Note—Prices listed are postpaid.

Sandia Wassermelone Melon d'Eau

Culture. The same culture as applied to the Muskmelon is employed in growing Watermelons. Furrows of about 8 inches in depth are prepared and 6 to 8 seeds are planted about 1½ inches deep every 10 feet in the furrow; furrows about 8 feet apart.

This plant assumes a more rapid growth than Muskmelon, consequently more frequent cultivation and care must be given while the plants are young. As the plants grow in the furrow, fill in the soil about them so as to establish roots well into the deeper soil and when the plants are securely established pluck out all but two of the most hardy and healthy ones. The furrows in which the plants are growing want to be filled gradually as the plants grow until level with the surface, and then in early cultivating throw the soil towards the plant until a slight knoll or hill is formed.

In irrigating soak ground thoroughly and follow by cultivation as quickly as practicable, in order to keep a permanent mulch and maintain the moisture. Use one and one half pounds of seed to an acre.

Klondike. Is another monopolist as since its introduction it has grown in favor till it really well nigh monopolizes the California markets and is too, about the only variety now used by the shippers.

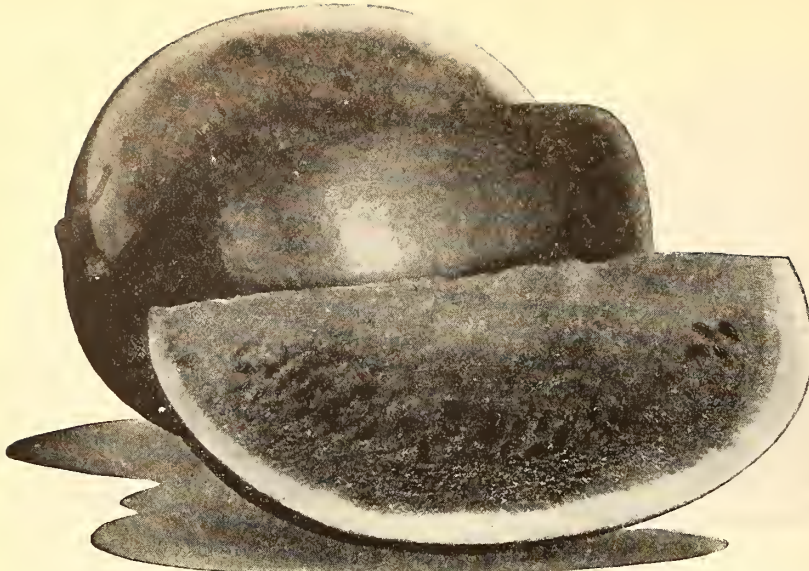
We have selected this melon to a dark seeded strain which with the bright red flesh gives it a very attractive appearance when cut.

We have this variety grown in an isolated locality where there is no danger of crossing and select our seed with great care.

The sweetest, finest flavored melon grown and our stock is unsurpassed. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.....\$.10

Angeleno White Seeded. A fine quality early melon nearly round, dark green; flesh bright red and fine quality. Oz. 20c; ¼ lb. \$50c; 1 lb. \$1.50..... .10

Angeleno Black Seeded. Much like white seeded Angeleno except in color of seed. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.5010



CHILEAN DARK SEEDED

Chilean Dark Seeded. The best of the early watermelons for the family supply or shipping to market. Is medium size, outer color a dark and light green stripe. The flesh is a very bright attractive red and can be eaten right down to the rind. Is very sweet and fine. Our stock will please the grower who caters to fancy trade or the home gardener who is looking for an early melon of finest quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Chilian White Seeded. A medium size oval melon with a dark and light green stripe. A fine melon in size and quality for the home garden. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

Excel. Preferred by some as a shipping melon on account of its large size, good shipping and heavy yielding qualities; long oval, mottled in two shades of green and has a good rind for long distance shipments. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Tom Watson. Another large shipping melon of good quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Yellow Fleshed Ice Cream. A large oval melon with yellow flesh of good quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

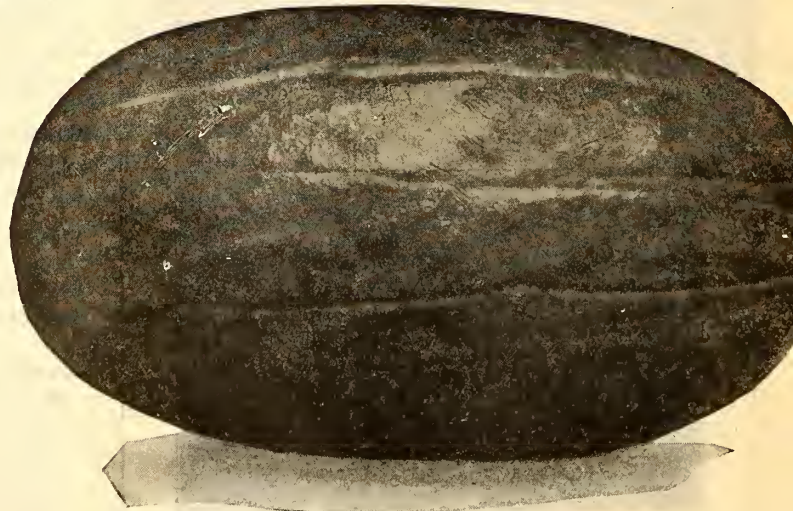
King and Queen. Small, round, light colored with bright pink flesh of good quality, ripens late and can be kept for months. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00 .10

CITRON

Don't allow citrons to grow near your watermelons as they cross readily.

Red Seeded. Small round fruits mottled light and dark green; used for preserves, ripens late and keeps for months. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

Green Seeded. A large light green Citron with green seed, used for stock feed, and will grow more tons on poorer land than anything we know of. Oz. 20c; ¼ lb. 40c; 1 lb. \$1.00..... .10



KLONDIKE DARK SEEDED

SEEDS

California's Best

PEPPER

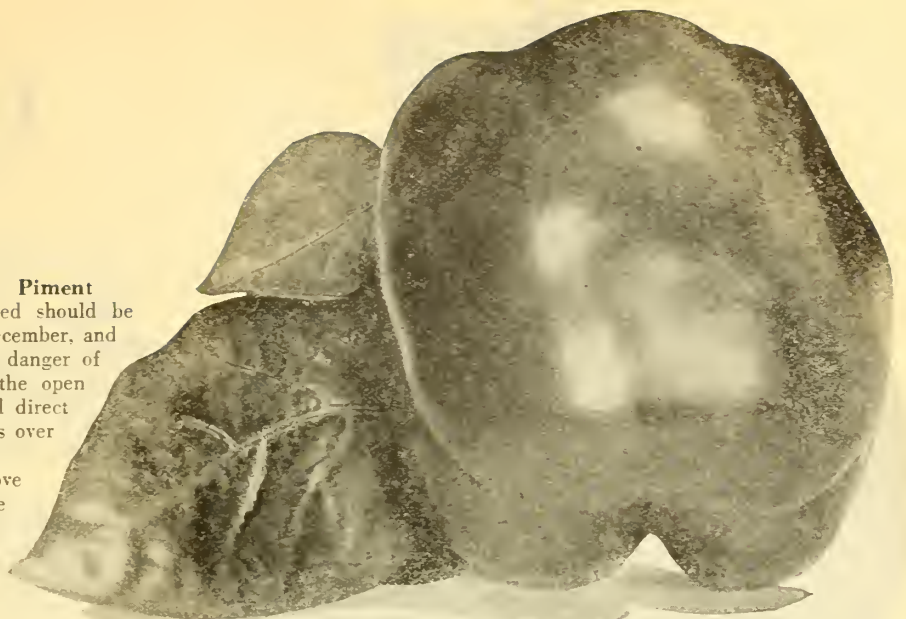
Note—Prices listed are postpaid.

Pimiento **Pfeffer** **Piment**
Culture. For early market peppers, seed should be planted in hot beds during November and December, and when the plants are of proper size and the danger of frost is passed they should be planted in the open field or garden or the plants may be planted direct in the open ground before the frost period is over if they are given proper protection.

To harden off plants before setting out remove covering of hot bed during warmer part of the day, being sure to replace same as it starts to turn cool in the evening.

For main crop, plant in the hot bed during February, March and April; in later planting cold frames may be utilized.

- | | |
|---|-----|
| Royal King. A comparatively new variety, early, productive, used for stuffing or salads. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00 | .10 |
| Ruby King. Much like Royal King, but not quite so large or blunt. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00..... | .10 |
| Anaheim Chili. The leading variety among the hot or pungent peppers; used both as green pepper and dried, and in making of Chili Powder.
We have a fine stock that produces long smooth highly colored pods. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00..... | .10 |
| Mexican Chili. The kind used in making tamales and pungent sauces. We have a fine strain of seed of this popular variety. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00..... | .10 |
| Floral Gem. The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. The fruit is cone shape and 2 inches long, green when immature changing to a creamy white and turning red as it ripens. We have a fine stock of this variety. Oz. 80c; ¼ lb. \$2.65; 1 lb. \$8.00..... | .10 |



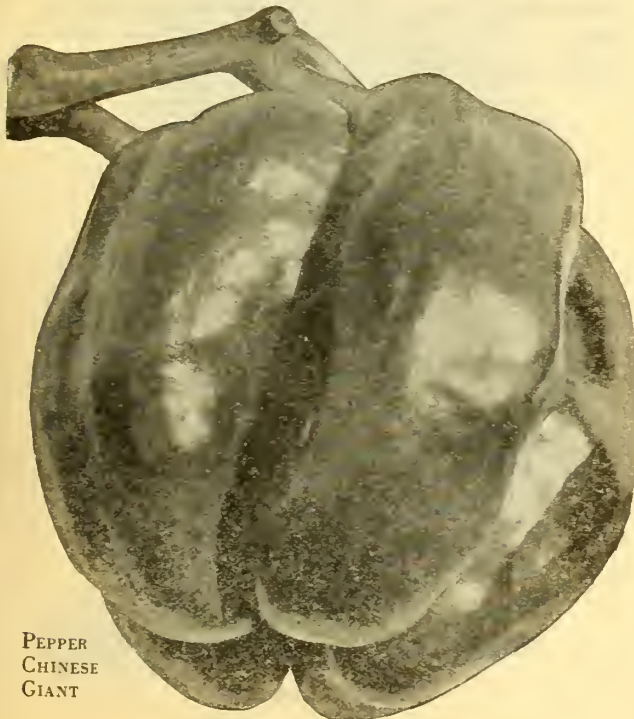
PEPPER CALIFORNIA WONDER

California Wonder

We introduced California Wonder Pepper in 1927, announcing it as the best large sweet pepper ever produced. The reception given this remarkable variety even exceeded our expectations, for in two short years it has literally swept the country and more is now the leading variety used by large shippers of winter vegetables on the West coast of Mexico.

It is the best large fruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender, and of finest flavor; it is fast replacing other varieties in the home garden on account of its excellent quality, and with the shippers on account of its fine appearance after a long journey to distant markets.

- | | |
|--|-----------------|
| Buy your seed in Germain's Sealed Containers, and be sure of the best. Oz. \$1.20; ¼ lb. \$4.00; 1 lb. \$12.00..... | PER PKT. \$.25 |
| Perfection Pimiento. The best of the small smooth sweet peppers largely used by canners. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00..... | .10 |
| Chinese Giant. A very large sweet pepper used for salads, and stuffing; the old time favorite for the home garden. Oz. 80c; ¼ lb. \$2.65; 1 lb. \$8.00..... | .10 |
| Bell or Bull Nose. The earliest of the sweet bell shaped peppers, long a favorite among gardeners. Oz. 80c; ¼ lb. \$2.65; 1 lb. \$8.00..... | .10 |



PEPPER
CHINESE
GIANT

RHUBARB OR PIE PLANT

Note—Prices listed are postpaid.

Dulbarbo **Rhabarber** **Rhubarbe**

Culture. Rhubarb seed requires considerable care and is discriminating as to where it grows. A rich light sandy loam is its delight and seed planted in this type of soil, about ¾ inches deep in rows which are 12 inches apart, in the early spring, say February, will be ready to transplant in from 4 to 6 months time. When they are as large as one's finger transplant the roots to mellow soil as described above, in rows 5 feet apart and about 3 feet apart in the row. The roots should be set in ridges with the crown even with the surface of the soil. The ground should be kept well cultivated and irrigated the first season and stalks may be pulled early the next spring.

- | | |
|---|-----|
| Giant Winter. We can furnish seed of this splendid variety but as Rhubarb is one of the plants that does not come true from seed so that the result would be varying types of plants, we recommend the planting of roots, especially in making commercial plantings. Our price on seed is Oz. \$1.60; ¼ lb. \$5.35; 1 lb. \$16.00..... | .10 |
|---|-----|

GERMAIN'S

Los Angeles - - - - Since 1871

ONIONS

Note—Prices listed are postpaid.

Cobolia

Zweibel

Ognon

Culture. Many different methods of planting onions are in practice but the one most practical to the general market grower is the following method:

Planting in this section usually starts in December, January and February unless the season is exceptional and then possibly earlier.

The primary requisite is good seed and in this we excel, our seed being produced by experts who have been growing for us for years and our trade has been greatly increasing due to the excellence of our seed.

Sow onion seed with a seed drill in rows 14 inches apart, using on this basis from 4 to 4½ pounds of seed per acre. The land must be thoroughly plowed, disked, and harrowed when necessary. It is impossible to prepare your land too carefully in growing the onion as it responds readily and in order to get maximum yields, thorough preparations must be made.

As soon as the plants appear, hand weeding must start both in and between the rows. From this point on the plants must have a steady even growth as a check whether from disease or drought will cause them to go to seed extensively. When the onions are ready for harvesting the tops will be well ripened down. If, however, the tops are still green we suggest running a light roller or plank over the field to press them down. In ten days after this operation the onions should be pulled and left in the field one deep to dry. When thoroughly dried the tops can be removed. However, we do not recommend this until ready to ship to market. If the onions are to be kept any period of time they should not be sacked but put on a floor or in a bin where there is a complete circulation of air. In some localities the transplanting system is followed. If this is done the seed should be planted in beds during August and September and transplanted to permanent field during February and March.

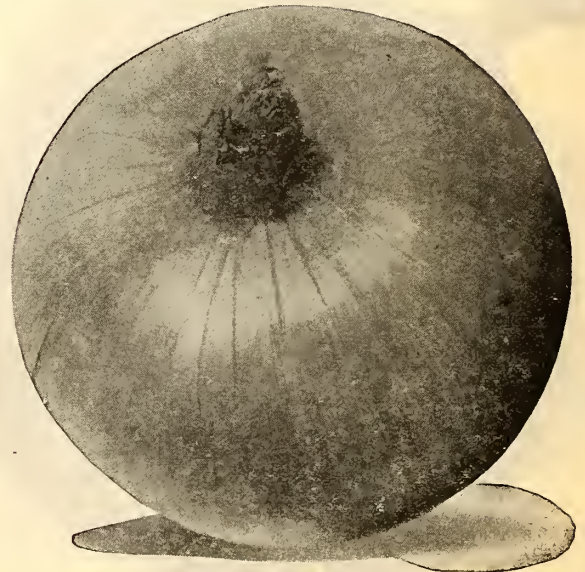
Yellow Globe Danvers. A well known early onion of fine quality. Flesh white and firm. Color a bright straw; grows to a good size, hardy, a sure cropper and a good keeper. Oz. 25c; ¼ lb. 90c; 1 lb. \$2.75..... .10



GERMAIN'S
IMPROVED
RIVERSIDE
SWEET SPANISH

PER PKT.

- Riverside Sweet Spanish.** With great care in selecting bulbs of the finest type for our planting stocks we are able to offer a superior strain of this deservedly popular onion which is increasing in favor each year on account of its large size, attractive color and superior flavor, being very mild and sweet. Globe shaped, light yellowish brown, often weighing two pounds or over. You will find this the most satisfactory onion to plant for home use and the most profitable for the market. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....\$.10
- Australian Brown.** A large brown onion of good quality, valued largely for its being a good keeper and long distance shipper as the outer skin is heavy and does not break and peel off. The leading variety among the big onion growers. Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00..... .10
- Large Red Wethersfield.** One of the leading varieties for many years. In color the skin is a deep purplish red. The flesh is white, tinged with red, and of good quality, crisp and solid. It grows to a large size and is both a good keeper and shipper. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50..... .10
- New Queen.** A rather small, very early white onion, good where earliness rather than keeping qualities are desired. Mild and sweet. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10
- Southport White Globe.** A favorite white onion in Los Angeles market. A true globe shape, pure pearly white, fine flavor, and a good keeper. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10
- White Portugal or Silver Skin.** One of the leading white sorts, of beautiful shape and very mild flavor. The bulbs are flat and mature early. Splendid variety for market garden. Bulbs average two to three inches in diameter. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10
- Yellow Flat Danvers.** This is one of the very earliest varieties, a good shipper and keeper. Flat in shape, of straw color and mild in flavor. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10



AUSTRALIAN BROWN

SEEDS

California's Best

Germain's Great Bunching Onion. This variety fills a long felt need for both the amateur and the professional gardener. It produces the long, tender and sweet green onions which are justly so popular on the table of those who enjoy good eating. It can be easily grown in every garden. Pull while medium sized before the bulb has formed. Oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50—Prices are postpaid.\$.10

ONION SETS

Write for prices in large quantities

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule. If quantities are desired, do not fail to write for special prices.

Grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. If left to stand they make ripe onions of excellent quality. Maturing about six weeks earlier than crop grown from seed.

Brown Australian. Attains large size, good keeper. A leading variety among growers. 1 lb. 40c; 10 lbs. \$3.50.

White Portugal. One of the leading white sorts, of very mild flavor. 1 lb. 40c; 10 lbs. \$3.50.

Yellow Danvers. One of the earliest. Bulb flat, straw colored and of mild flavor. 1 lb. 40c; 10 lbs. \$3.50.

GARLIC SETS. See Page 63.



ONION
GREEN
BUNCHING

OKRA

Note—Prices listed are postpaid.

Quimbombo Ocher Gombaud

Culture. Seed can be planted from the middle of March until the latter part of August. Plant in rows 8 inches apart in rows 3 feet apart. Plant seed 1½ inches deep. One ounce of seed will sow 50 feet of row. This vegetable produces long and nutritious pods which when young are used in soups and stews, to which they impart a rich flavor.

Early Dwarf. Dwarf, stocky growth, heavy bearer. The pods are of medium length, greenish white, tender and of good quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....\$.10

Long Green. Later and more productive; ribbed pods. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

White Velvet. Pods round, smooth, free from seams, exceedingly tender, well flavored and very prolific. Oz 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

PARSLEY

Note—Prices listed are postpaid.

Perijil Petersille Persil

Culture. Same as Lettuce, see Page 62.

Every garden should include parsley as its demands and uses are constant by the housewife. Being ornamental, it makes a very attractive border plant for the flower garden. It may be planted as such if you have not room in the vegetable plot.

Champion Moss-Curled. Vigorous compact-growing variety; excellent for garnishing and flavoring; also a handsome decorative plant; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden. Oz. 20c; ½ lb. 60c; 1 lb. \$1.75.....\$.10

Hamburg, or Turnip-Rooted. The roots are excellent for flavoring soups. Oz. 20c; ¼ lb. 0c; 1 lb. \$1.75..... .10

Plain Parsley. Leaves flat, deeply cut but not curled. Very dark green in color and very hardy. Easily grown. Used largely for flavoring soups, etc. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.5010



PARSLEY
MOSS CURLED

GERMAIN'S

Los Angeles - - - - Since 1871

PEAS

Chicaros o Guisantes

Erbsen

Pols

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10c per pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on inside front cover page. If quantities are desired, do not fail to write for special prices.

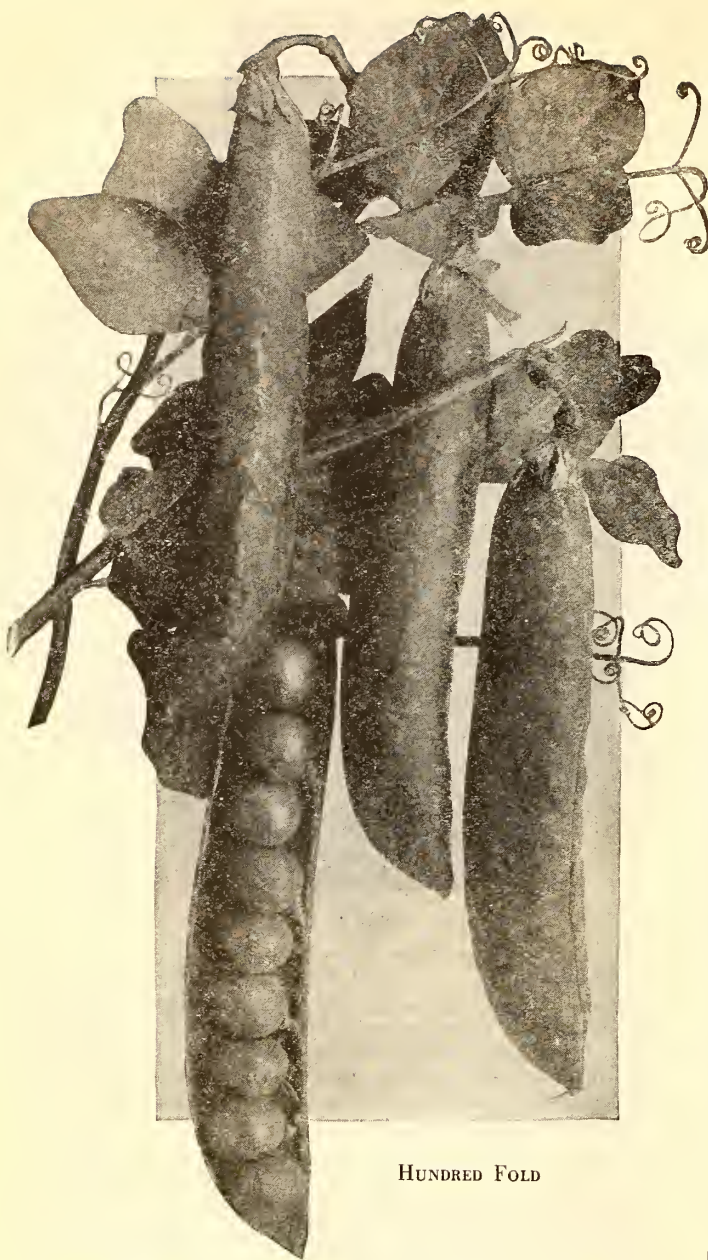
Culture. Peas may be planted in almost any kind of soil. In light soil during the warmer months they should be planted about 3 inches deep so as to be near moisture. In heavier soils or in fall months plant about 1 inch deep, that warmth may penetrate and help germinate the seed.

Excessive moisture will rot the seed, so do not irrigate after seed is planted until the plants are well out of the ground; this is an important point. Cultivate after each irrigation. Usual planting is at rate of 60 pounds per acre.

Early Varieties

PER PKT.

Laxtonian. The first introduction among the extra early large podded peas, and although there are a number of this type of peas on the market now, the Laxtonian is still a favorite among the successful growers, being very early, hardy and prolific. Grows 15 to 18 inches high. Foliage bright green pods of dark green, about 4 inches in length, slightly curved and well-filled with large tender delicious peas. Like all dwarf growing varieties Laxtonian should be planted on rich well-prepared soil for the best results. Whether for home, garden or market the Laxtonian will prove entirely satisfactory. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

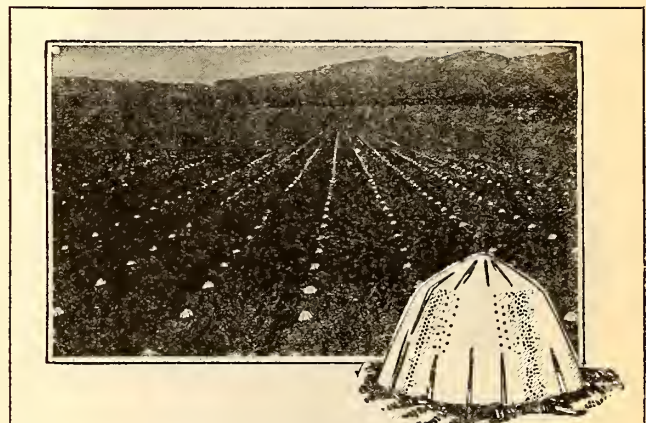


HUNDRED FOLD

Laxton's Progress. The latest and regarded by some large users as the best of the large podded early peas. Vine 18 to 20 inches high, pods large of fine color that stands long distance shipping well and are well filled with large peas of finest quality. Planted on good rich land as all dwarf or semi-dwarf varieties should be the Laxton's Progress will make you money. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Hundredfold. Is a recognized leader among the early dwarf varieties used very largely by market growers and shippers throughout the country, and given first place by many of the large shippers. Grows 18 inches to 20 inches high, dark green foliage, pods heavily with a dark green straight well filled pod of finest quality. Whether you plant a few rows in your garden or a large acreage you will find this one of the best. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

American Wonder. The old stand-by among the Early Dwarf Peas and though there are a lot of new varieties it still has a host of friends. Is very early, grows 12 to 14 inches in height and pods are crowded with 6 or 8 fine quality peas. Planted on good rich well prepared soil, American Wonder will not fail to give you a crop. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10



Protect Plants for Profit

Germaco Hotkaps can make you extra dollars this season. They protect plants from frost, wind, rain, insects and ground crusting. Thus they produce hardier, quicker crops. You get higher prices!

SEEDS

California's Best

PEAS

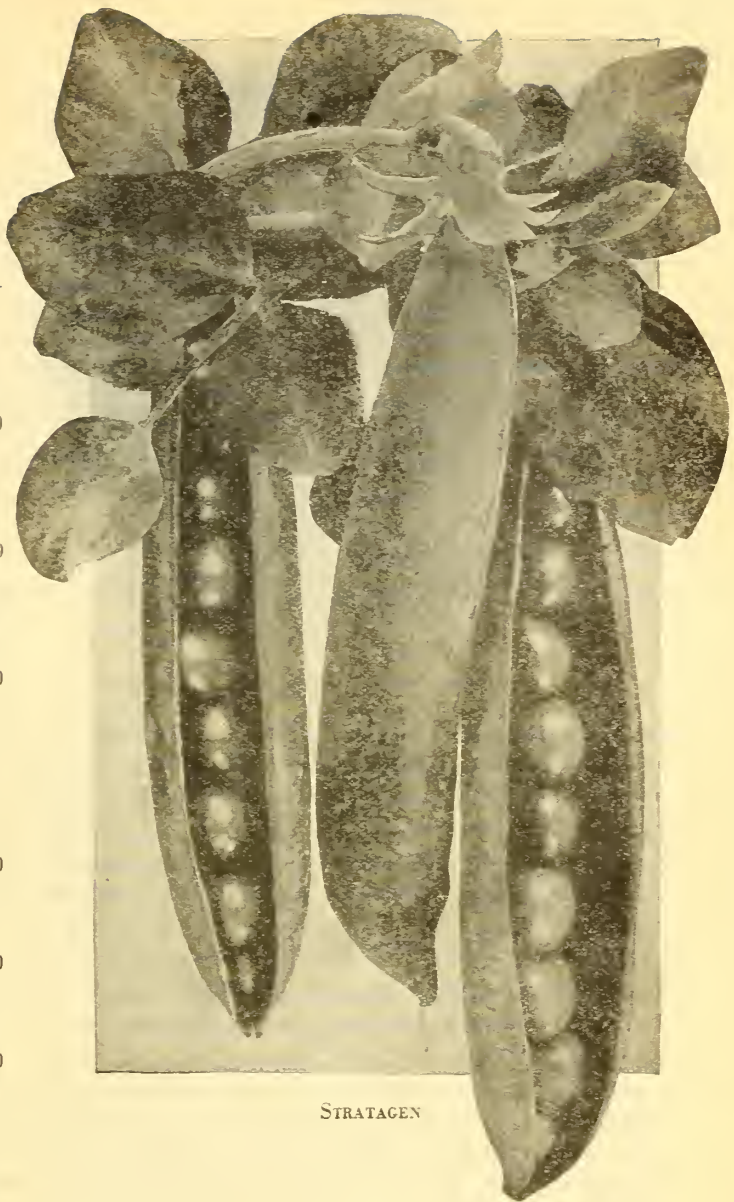
PER PKT.

Mid Season Varieties

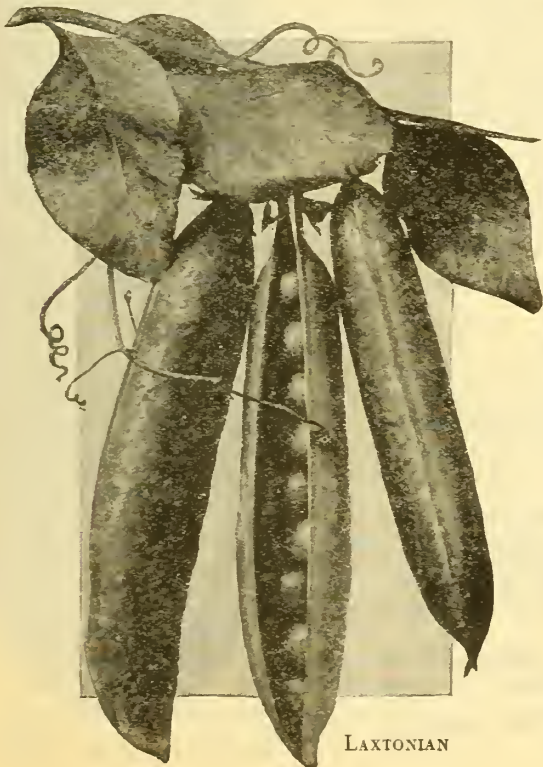
- Dwarf Telephone.** The best of the large podded second early sorts, grows 2 ft. high, foliage light green, pods large and well filled. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10
- Senator.** Largely used on the south coast as a market gardener variety, and one of the best of main crop sorts; does well on rather light land. 2½ feet high, pods long, pointed, curved. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10
- Stratagem.** The standard late variety for market gardens and shippers. Vines semi-dwarf, very heavy, yielding extra large pods of finest quality peas. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10

Late Varieties

- Alderman.** The finest of the tall growing late varieties. Height, 4 to 5 ft. pods, very large dark green, peas large, and most delicious, there is no better pea grown. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10
- Telephone.** The standard late tall, large podded variety. Pods large light green and peas of best quality. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10
- Dwarf Gray Sugar Edible Pod.** Early vigorous, prolific, with a fleshy pod that is cooked like string beans. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10



STRATAGEN



LAXTONIAN

Nitragin

We recommend that you inoculate your Pea Seed with Nitragin. Each can of Nitragin contains a vast number of legume germs. These helpful bacteria are able to draw nitrogen from the air and give it to the plant. They form nodules on the roots of the plants which are really nitrogen storehouses. In using Nitragin, your plants do not rob the soil of nitrogen but take the nitrogen from the air, thus maintaining and restoring the soil fertility.

The cost of Nitragin is almost negligible. The ¼ Bu. Size, which will inoculate 15 lbs. of Peas, 40c; the ½ Bu. Size, inoculates 30 lbs. of Peas, 60c; the 1 Bu. Size (inoculates 60 lbs. of Peas), \$1.00; the 5 Bu. Size (inoculates 300 lbs. of Peas), \$4.75, the above prices being postpaid. When ordering Nitragin, always be sure to state the kind of legume seed (Peas, Beans, etc.) you wish to inoculate.

GERMAIN'S

Los Angeles - - - - Since 1871

SQUASH

Note—Prices listed are postpaid.

Calabasa **Kuerbiss** **Course**

Culture. Sow after danger of frost is past. Light, warm soil is best. Plant in hills prepared the same as for pumpkins and melons, the bush kinds about four feet apart, and the running varieties from six to nine feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill and thin to three best plants. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from thirty to fifty hills.



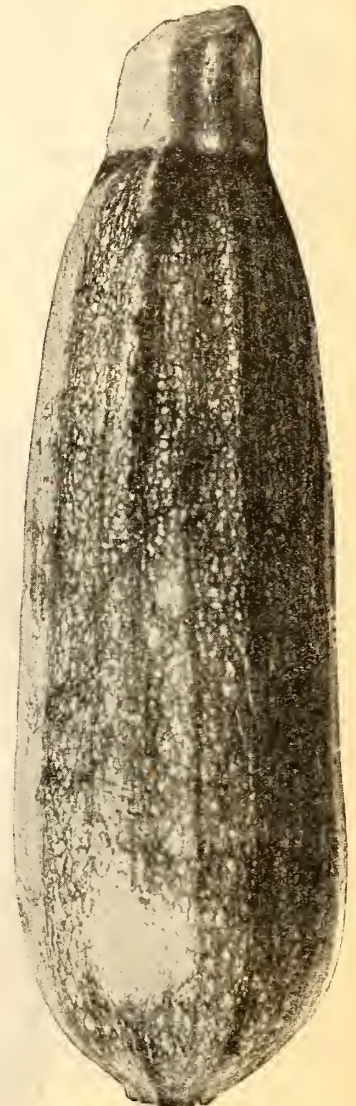
HUBBARD SQUASH

Squash—Winter

- Banana.** A deservedly popular variety growing 18 inches to 2 ft. long, 6 to 8 inches in diameter, skin grayish blue flesh yellow and fine grained. An excellent table variety without a hard shell. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10
- Hubbard.** Best winter variety, vigorous, productive. Fruit large, weighty, moderately warted, hard shell; color dark bronze green. A fine grained, thick, dry, richly flavored, orange-yellow flesh. Baked, it is similar to and as delicious as a sweet potato. We have spent a great deal of time and attention in selecting our stock and confidently recommend it. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Fordhook.** An excellent variety of small winter squash; cream color, slightly fluted skin thin but tough; a good keeper. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... .10
- Table Queen.** A new introduction that is fast becoming popular. A first quality winter squash that keeps well but does not have a hard shell. It is heart shape with a dark green skin, rich yellow fine grained flesh, about 5 inches in diameter, which makes a convenient size to cut in half and bake for individual service. The fruits are uniform in size and shape and very numerous; in fact, we know of no other squash that sets so heavily and if picked as soon as mature will continue to set a new crop. You will be amply repaid by planting a few hills of this splendid variety in rich well fertilized soil. We highly recommend it for home garden and we believe it will take the place of older varieties with market gardeners as soon as they become acquainted with it as it far surpasses any squash of this type, both for quality and yield. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50..... .15

Squash—Summer

- Italian or Zucchini.** The variety most favored by market gardeners, is very early, prolific, fruits when immature a light mottled green, very attractive and of finest quality. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00..... \$.10
- Cocozelle.** Another type of Italian Bush Squash much like Zucchini except darker color, which is striped light and dark green. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00..... .10
- White Bush Scallop.** A popular variety bearing profusely small rather flat white squashes with a distinct scalloped edge. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Summer Crook-Neck.** Regarded by some as the best of the Summer Squashes. Fruits bright yellow, warted with Crook-Neck. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10
- Long White Vegetable Marrow.** An English variety, of fine quality and remains in edible condition till quite large. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... .10



SQUASH ITALIAN OR ZUCCHINI

SEEDS

California's Best

PUMPKIN

Note—Prices listed are postpaid.

Calabasa Kuebis Courge

Culture. Pumpkins grow and thrive in most any soil. A well-drained soil subject to irrigation is best. Pumpkins like other vine crops, should be irrigated carefully, not allowing the water too close to the main stock. As the roots are long, irrigation can be made at the ends of the vine. When the fields are covered by vine, irrigate midway between the rows. Too much water is very detrimental to the vines. Plant hills 8 to 10 feet apart each way, placing 4 seeds to a hill and after established pull out all but the one healthiest plant. Use one pound of seed per acre.

Boston Pie or Small Sugar. A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine grained. As famous in Boston as the Boston Beans. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....^{PER PKT.} \$.10

Connecticut Field, or Jack O'Lantern. A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended. Oz. 20c; ¼ lb. 40c; 1 lb. \$1.25.....^{PER PKT.} .10

Large Cheese or Kentucky Field. A heavy fleshed and remarkably sweet pumpkin. A splendid keeper and a fine sort for family or market use. Its large size makes it desirable for stock also. Especially adapted to Southern California. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....^{PER PKT.} .10

Mammoth King. The best large pumpkin in use. Forms immense globular fruits, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and all are of immense size. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....^{PER PKT.} .10

Japanese Pie. The flesh is nearly solid; the seed cavity being very small, fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well and are fine for home use. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....^{PER PKT.} .10

Cushaw Green Striped. This large crook-necked Pumpkin is the best in warm locations. Yields a heavy tonnage and is used largely by dairymen. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....^{PER PKT.} .10



PUMPKIN SMALL SUGAR

PARSNIP

Chirivia Pastinake Panais

Culture. Sow any month in the year in drills in rich soil one and one-half inches deep and fifteen inches apart, and cultivate the same as carrots; thin to four inches apart. One ounce of seed will sow about 100 feet of row.

Hollow Crown. The parsnip is a vegetable not fully appreciated by many and should be grown in every garden, for from a small space a season's supply can be produced.

Our Hollow Crown is the best of the parsnips producing very fine long smooth pure white roots of fine quality.

Oz. 20c; ½ lb. 60c; 1 lb. \$1.75.....^{PER PKT.} \$.10

SALSIFY OR VEGETABLE OYSTER

Note—Prices listed are postpaid.

Salsifi Blanco Haferwurzels Salsifis Blanc

Culture. Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.

Sandwich Island Salsify. An improved type and the largest and most delicious salsify in cultivation, with long, white tapering roots. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.....^{PER PKT.} \$.10

ROOT CROPS

Note—Prices listed are postpaid.

Write for Quantity Prices

Stock Beets

Culture. Stock Beet seed should be sown about one-inch deep, in well-cultivated soil in drills eighteen inches to three feet apart (depending upon the method of cultivation). When the plants are sufficiently large, thin out to stand ten to twelve inches apart in the rows. The seed is generally sown at the rate of eight to ten pounds per acre.

Varieties

Mammoth Long Red. There is no other root crop grown which produces so large a tonnage per acre as the Mammoth Long Red Beet. Our strain of Mammoth Long Red is exceptionally fine and expressly grown for our own trade from selected well-shaped roots.

This Beet has a distinct appearance; roots are massive, straight and uniform in size, broad shouldered, free from coarseness and of most excellent feeding and keeping qualities. 1 lb. 60c; 10 lb. lots \$5.50, postpaid.....^{PER PKT.} \$.10

Giant Half Sugar. This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary mangel. It is a cross between a sugar beet and a regular mangel wurzel, therefore its name. It is also a splendid yielder and good keeper. 1 lb. 60c; 10 lb. lots \$5.50, postpaid.....^{PER PKT.} .10

Golden Tankard. This is also a very popular variety. The roots are large, ovoid, but filled out at top and bottom, terminating with a small tap root; flesh deep golden yellow, solid, crisp, sweet and rich. Does not keep quite as well as the two above mentioned varieties. 1 lb. 60c; 10 lb. lots \$5.50, postpaid.....^{PER PKT.} .10

Sugar Beets

This is a variety that can be planted for stock food purposes. The tonnage per acre will not be as great as above mentioned varieties, but the sugar content will be much higher. 1 lb. 60c; 10 lb. lots \$5.50, postpaid.....^{PER PKT.} .10

GERMAIN'S

Los Angeles - - - - Since 1871

RADISH

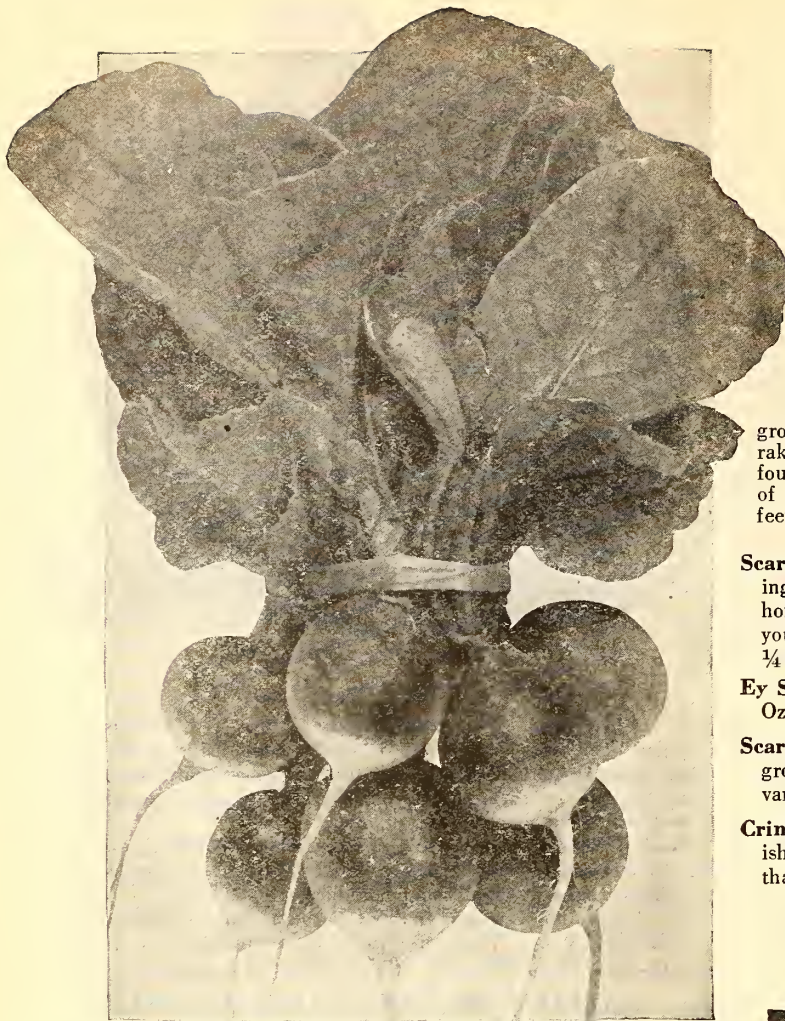
Note—Prices listed are postpaid.

Rabano

Radies

Radis

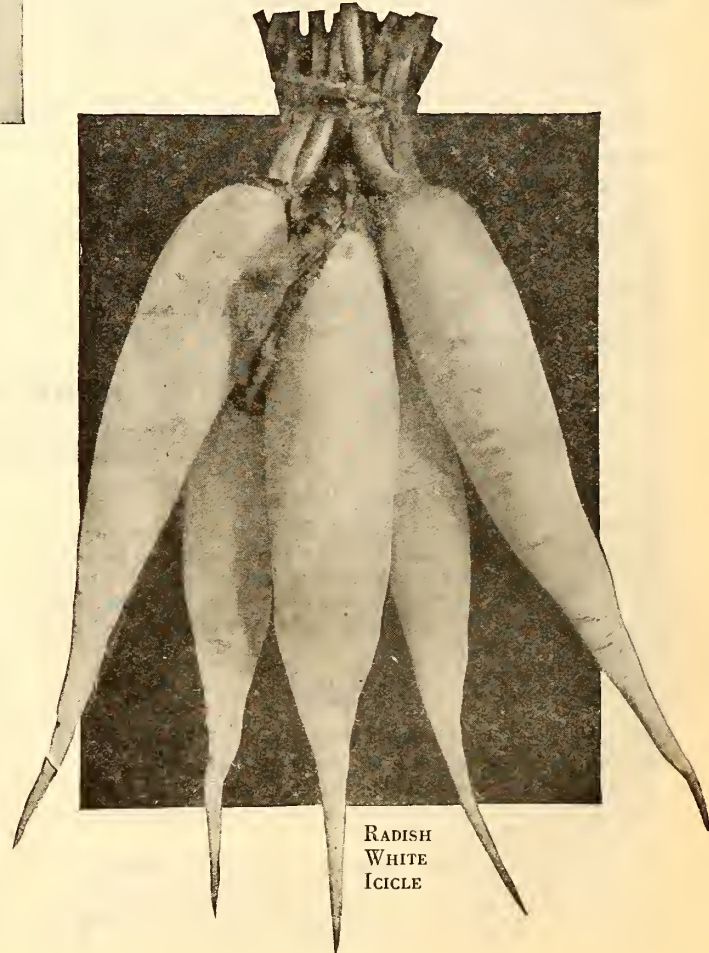
Culture. Sow any month of the year; will succeed in any good garden soil not over-moist or too heavy. For early and late crop a warm, sheltered situation should be chosen; for those sown in summer, a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be dug deep and raked fine. The seed is generally sown thinly broadcast, in beds four to five feet wide, with one-foot alleys between. One ounce of seed will sow about 100 feet of drill, or a bed forty square feet.



RADISH
SCARLET
TURNIP
WHITE TIP

- Scarlet Turnip White Tip.** On account of its quick growing, fine quality and attractive color this is the leading home garden and market radish. By successive plantings you can keep your table supplied the year round. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10
- Early Scarlet Turnip.** Early bright Scarlet, crisp and tender. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Scarlet Globe.** Globe shaped, rich bright scarlet color; is growing in popularity and promises to become a leading variety. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Crimson Giant.** Rather larger than most of the short radishes of fine quality and remains in edible condition longer than most kinds. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

- French Breakfast.** A splendid variety for home use, oblong, bright scarlet white tip. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Long Scarlet.** The best of the long red radishes, very attractive color and fine quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Icicle.** The leader among the long white radishes; pure white, very crisp and brittle. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- California Mammoth White.** A very large white radish introduced from the "Orient." Used when a large, rather pungent variety is desired. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- China Rose Winter.** A large rose colored variety from the Orient; very hardy and rather mild. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Japanese Summer Radish.** Very large mild white radish from Japan. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.45..... .10
- Japanese Winter.** Best of the very large white radishes for winter growing. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.45..... .10
- Black Spanish Long.** A hardy, large, rather pungent variety for winter use. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10
- Black Spanish Round.** The short round type of winter radish. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10



RADISH
WHITE
ICICLE

SEEDS

California's Best

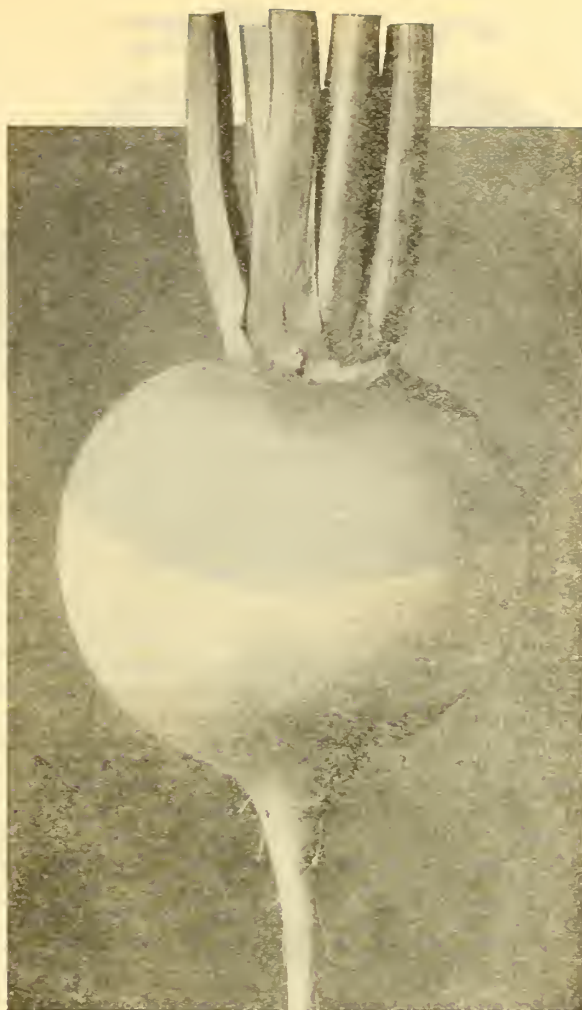
TURNIP

Note—Prices listed are postpaid.

Nabo Ruebe Navet

Culture. Sow during cool weather, from October to April. For early crops, sow the Early White Flat Dutch or Early Purple Top Milan during early winter; and for summer crops sow any of the other varieties at intervals of two weeks, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For Fall or Winter use sow the Golden Ball or Purple Top Strap Leaf. Success depends upon the selection of soil and its subsequent preparation. Stir deeply.

- | | PER PKT. |
|--|----------|
| Purple Top White Globe. By far the leading variety in the local markets on account of its uniform shape, attractive color and fine quality flesh is sweet and tender and is slow to get pithy. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... | \$.10 |
| Purple Top Milan. The best extra early sort, rather flat purple above ground and white beneath. Top small, quality fine; the best of the early kinds. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... | .10 |
| Eye White Flat Dutch. Best of the early flat white turnip, quick growing, mild and tender. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... | .10 |
| Purple Top Strap Leaved. An excellent small topped flat variety. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... | .10 |
| Early Snowball. The best of Pure White Globe shape turnip, very fine and mild flavor. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... | .10 |
| White Globe Pomeranian. A large pure white variety excellent for table use when young, and fine as a stock feed when full grown. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... | .10 |
| Golden-Ball. The finest of the yellow sorts. Top is small, roots medium size and excellent quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... | .10 |
| Cow Horn. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Oz. 20; ¼ lb. 35c; 1 lb. \$1.00..... | .10 |



TURNIP
PURPLE TOP
WHITE GLOBE



SPINACH—GIANT AMSTERDAM OR PRICKLY WINTER

SPINACH

Note—Prices listed are postpaid.

Espinaca Spinat Epinard

Culture. An all-year crop. Sow early in spring, in drills one foot apart, and thin the plants as you need them for cooking. For winter and spring use, sow in September. One ounce of seed will sow about seventy-five feet of row.

Giant Amsterdam or Prickly Winter. The leading variety in our spinach list being used more by canners and market growers than any other and by successive plantings your garden will produce a crop of this healthful vegetable all the year except in the mid summer. The plant is vigorous, leaves large, thick and of finest quality. Plants are very slow to go to seed giving a longer cutting season.

	PER PKT.
Grow your vitamins in your own garden by planting Prickly Winter Spinach. Oz. 15c; ¼ lb. 20c; 1 lb. 60c.....	.10

Bloomsdale or Savoy-Leaved Spinach. A favorite with market gardeners. It has thick, dark green wrinkled leaves and is very hardy. The earliest variety and one of the best for autumn use. Oz. 15c; ¼ lb. 20c; 1 lb. 60c.....

Viroflay. The leading smooth seeded variety used by both canners and market growers. Leaves large, smooth, thick, and tender. Oz. 15c; ¼ lb. 20c; 1 lb. 60c.....	.10
---	-----

GERMAIN'S

Los Angeles - - - - Since 1871

TOMATO

Note—Prices listed are postpaid.

Tomato Liebesapfel Tomato

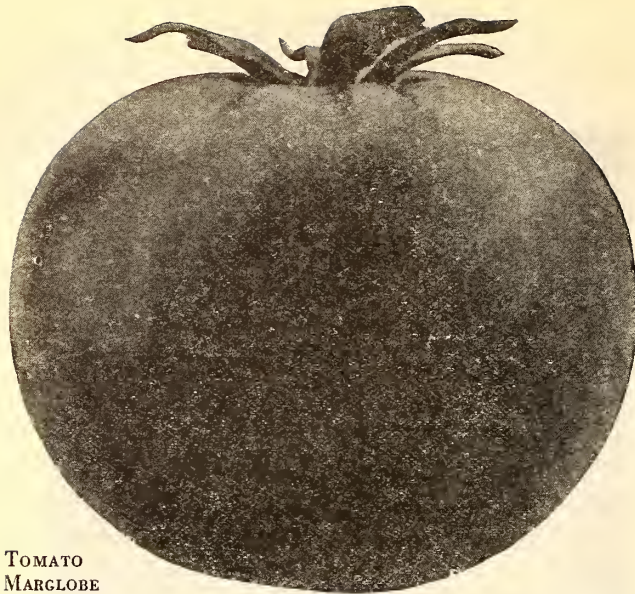
Culture. Sow in hot bed or frame about September 1, for winter crop in frostless belts, or in early spring for summer crop. Growth must never be checked or a shortened fruit crop will result. When the plants are two or three inches high, thin them out and set in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants four feet apart each way. One ounce of seed will produce 3000 plants. The tomato requires a rather light soil to ripen early, but if handsome fruit and a plentiful crop be desired very rich soil should be selected and good cultivation given.

Earliana. The introduction of Earliana some years ago was an important event in tomato history, since that time there has been a number of Earliana Type Tomatoes introduced, all of which are selections of the original Earliana which still holds its place in the first early list, being hardy and productive, coming into fruit in the shortest time and rapidly maturing the entire crop of fine fruit. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.....\$.10

First Early. An exceptionally good strain of Earliana Type, fruit high color, solid and smooth. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00..... .10

Globe. Large fine pink main crop variety of very mild flavor and used very largely as a long distance shipper. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50..... .10

New Stone or Norton. Another Government production in the disease resistant list and an old standby among the main crop varieties. Solid, meaty and fine quality. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00..... .10



TOMATO
MARGLOBE

Marglobe. No other tomato in recent years has created the sensation Marglobe has. It is the result of the work of Government experts in breeding a tomato resistant to wilt and has become in two or three years the leading variety among canners, shippers and market gardeners.

The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. You can make no mistake in planting your main crop of Marglobe. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50..... .10

Beefsteak or Ponderosa. Regarded by many as the finest quality of any tomato grown. Very large, very solid and free from seeds; an attractive, pink, mild and pleasant; it is ideal for the home garden. Oz. 70c; ¼ lb. \$2.35; 1 lb. \$7.00..... .10

Strawberry or Ground Cherry. A distinct species; grows enclosed in a husk; excellent for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50..... .10

Yellow Plum. Fruit plum-shaped, of clear, deep yellow color, used for preserving. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50..... .10

Yellow Pear. A small early variety, good for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50..... .10

Red Plum. Small plum shape used for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50..... .10

Red Pear. Small pear shape for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50..... .10

New Zealand Spinach

Quite unlike other varieties as it grows a large spreading plant with small very thick leaves. Will thrive in any kind of soil and continue in use through the hot weather.

Plant several seeds in hills 2 ft. apart each way, as seed coat is very hard, better growth is secured by soaking for 24 hours in warm water. Oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.... .10

Rutabaga or Swedish Turnip

What others do, you can do. Plant lots of Rutabagas for your stock and cut down your feed bill.

Culture. Same as for common turnip, but if anything, less exacting in care.

Improved Yellow Purple-Top. The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....\$.10



TOMATO
EARLIANA



Germaco Hotkaps

the Miniature Hot Houses

Protect Plants from Early Frost and
Force them to Earlier Maturity

Be the first in your neighborhood to eat home grown cantaloupes, tomatoes, etc., and pick the first early flowers.

Germaco "Hotkaps" are made of a specially prepared translucent waxed paper and are cone-like in shape, measuring eleven inches in diameter at the base and coming to a point at the top. They are reinforced by a strip of heavily waxed paper.

Wondering whether crops will grow quicker and better under Germaco "Hotkaps" is like wondering whether a plant will mature better in a hot-house than it will under the open air—exposed to the elements. There's simply no question about it, the answer is so obvious. It is a demonstrated fact that "HOTKAPS" will mature vine crops from two to three weeks earlier than ordinarily. Also, they will produce a *higher yield per crop*—due to the hardness of the plant.

In addition to these two distinctive features, "HOTKAPS" are your best insurance against loss from frost, hail, rain, ground crusting and insects.

Thus for early crops, higher prices, higher yields and *crop insurance* Germaco "Hotkaps" have proved to be worth many times their cost.



Note how HOTKAP preserves mulch

Germaco Hotkaps are easy and economical to use. The five illustrations on the left show how easily they are set over the seeds or young plants.

Write for complete descriptive folder.

For home gardens and small plantings we supply a special waterproof garden setter packed with the three smaller sized packages of HOTKAPS; namely, 50 size, 100 size, 250 size. The 1000 package, however, does not contain a HOTKAP setter, and we recommend for 1000 or over that you use the Germaco Steel HOTKAP Setter at \$2.65 each, postpaid.

HOME GARDEN PACKAGES

100 Hotkaps with Garden Setter and Tamper \$2.50—Total weight 4 lbs.
250 Hotkaps with Garden Setter and Tamper 4.00—Total weight 9 lbs.

COMMERCIAL GROWERS' PACKAGES

1000 Hotkaps only for \$11.50—Total weight 25 lbs.
5000 Hotkaps only for 55.00—Total weight 125 lbs.

Postage extra. For Parcel Post rates see page 3.

I find the use of "HOTKAPS" causes better germination of seed and better plants, keeping the soil warm, giving the plant a better start, protecting it against frost, wind, rain, bugs, birds, etc. Have used the covers on cantaloupes, water-melons, tomatoes, cucumbers, etc. Results were always satisfactory, getting my products on to an early market when returns were the best.

—W. V. STAHL, Glendale, Calif.



1. Place HOTKAP in Setter

2. Place Setter Over Seed or Plant.

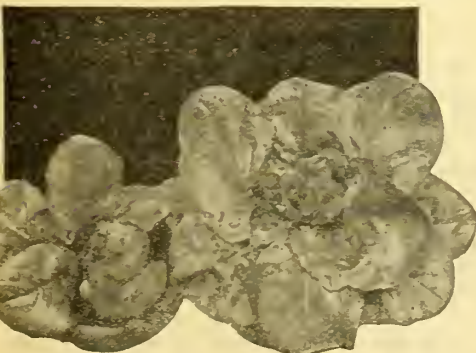
3. Cover Outside Edge of HOTKAP With Soil



4. Tamp Soil Around Edge of Setter.



5. Remove Setter from HOTKAP. One Man Can Place 3,000 HOTKAPS per Day.



GROWN IN OPEN FIELD

GROWN UNDER HOTKAPS



A BEAUTIFUL LAWN AT THE IRVING HELLMAN HOME IN BEVERLY HILLS

GERMAIN'S "PREMIUM" GRASS SEEDS

For Lawns, Estates, Parks, Athletic Fields and Golf Courses

A bright, velvety, well groomed lawn is the first essential of an attractive home. Furthermore, it adds hundreds of dollars to the value of a home. However, just sowing any kind of grass seed will not produce a lawn of this character. The highest grade of re-cleaned grass seed must be planted if good results are to be expected. If chaffy, light weight and impure seed is

sown, a ragged and weedy lawn will result. If heavy weight, extremely pure and thoroughly re-cleaned seed is sown, your lawn will be a thing you will be proud of. Germain's "Premium" Lawn Grass Seeds are thoroughly re-cleaned in our specially built cleaning plant, the most complete in the West—and are therefore extremely pure, high in germination and free from weed seeds.

Varieties of Lawn Grass Seed

Kentucky Blue Grass Seed (*Poa Pratensis*). Premium Grade—Grown from specially selected strains in carefully selected fields, and thoroughly re-cleaned to remove chaff, impurities and weed seeds. This seed will give the highest satisfaction. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 75c; 10 lbs. \$7.00 postpaid.

White Clover (*Trifolium Repens*). Premium Grade—We import our Premium Grade of White Clover Seed from European sources, where the finest grades of White Clover Seed are grown—and then thoroughly re-clean this seed to make doubly sure that it is of the highest quality. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 80c; 10 lbs. \$7.50 postpaid.

Kentucky Blue Grass and White Clover Mixed. This favorite lawn seed mixture is made up of Premium Grade Seeds, mixed in the right proportion. We recommend this mixture as being the most satisfactory in general, for making new lawns. Plant at the rate of 1 lb. to 200 sq. feet. Price per pound, 75c; 10 lbs. \$7.00 postpaid.

Nuvida Lawn and Garden Fertilizer

It is the most complete and satisfactory Lawn Dressing ever placed on the market. It is manufactured by us and we guarantee that it contains all the elements required and in the proper proportions to produce a luxuriant growth. It is a clean odorless material and can be applied without offending ones sense of smell or sight. Being quick in action, the effect can be noticed within a very short time by the rich green coloring and that velvety appearance so much sought after. Its superiority over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the lawn by its unsightly appearance, also gives out an unpleasant odor, and always contains weeds and other undesirable seeds. Trial bag for 300 sq. ft., 10 lbs., 60c; 25 lb. sack for 750 sq. feet, \$1.25; 50 lb. sack for 1500 sq. feet, \$2.25; 100 lb. sack for 3,000 sq. feet, \$4.00. Write for Nuvida pamphlet.

Domestic Rye Grass. This seed is grown in the State of Oregon and our seed fields are carefully selected for freedom from weed seeds. It is an annual grass, quick growing and is very hardy. Price per pound 30c; 10 lbs. \$2.50 postpaid.

Italian Rye Grass (*Lolium Italicum*). This is a very quick growing, short lived perennial grass. It has a tendency to grow in tufts, and has tall, broad, flat leaves. Price per pound 35c; 10 lbs. \$3.00 postpaid.

Australian or Perennial Rye Grass (*Lolium Perenne*). While Rye Grass does not produce a lawn of as fine a texture as Blue Grass and Clover, it is extremely hardy, requires less fertile soil and withstands more hardships. It is used to a great extent in Arizona and to an increasing extent in Southern California. Plant 1 lb. to every 100 sq. feet. Price per pound 35c; 10 lbs. \$3.00 postpaid.

Pacey's Rye Grass (*Lolium Perenne Pacey*). Similar to Australian Rye Grass only it produces a finer blade and is therefore often preferred to the latter. Price per pound 35c; 10 lbs. \$3.00 postpaid.

Nugreen

For the Control of Brown Patch on Turf

Write for special booklet on this wonderful new preparation. Nugreen is dusted or sprayed over the turf infected with this unsightly disease of fine grasses, and successfully controls it. For prices on Nugreen see Page 115.

Nuvida Flower and Fern Fertilizer

A reliable plant food for flower beds and potted plants, including all flowering plants, palms, ferns, etc. It is highly concentrated and should be used in small doses, following closely directions given on each container. Applications may be repeated, however, from time to time through the growing season. Price 35c per can.



CYPRESS POINT GOLF COURSE AT PACIFIC GROVE, CALIF.. SEEDED WITH GERMAIN'S PREMIUM GRASS SEED.

Grass Seeds for Golf Courses and Fine Lawns

Care must be taken to sow only the highest quality of re-cleaned grass seeds on golf courses, in order to avoid the trouble and expense of reseeding, and the weeding of greens, tees and fairways. Germain's "Premium Brand" seeds have been specially re-cleaned in our own grass seed cleaning plant, which is the most modern and complete in the West, to the maximum of purity and germination and they are unusually free from weed seeds. The amount of grass seed that should be planted for golf courses will run from about ninety pounds for the small fine seeds to three hundreds pounds for the larger seeds, to the acre on fairways. For putting greens we recommend planting on the average of about one pound to every 150 square feet. We have not listed prices on large quantities of grass seed such as are often purchased by golf clubs. These prices will vary according to market conditions and will always be as low as is consistent with the market and the quality. Kindly write us for special quotations in larger quantities than indicated above.

Bent Grass Seeds

(For Fine Lawns and Golf Greens)

Bent Grass Seeds for lawn purposes have been coming into some popularity during the last few years, especially for larger lawns and estates, where much care and attention is given to the lawn. Bent Grasses produce a very fine, beautiful, and velvety lawn, but must be cut at least twice a week, as otherwise they will produce a rank and clumpy growth. Bent Grass Lawns also should be top-dressed every four months. Mow the lawn closely, mix equal parts of good, rich soil and GRO-ZIT brand Sheep Manure and rake into the grass with the back of a rake, covering the grass not over one-quarter inch. Bent Grass Seeds should be sown at the rate of about 4 pounds to every 1,000 square feet. Write for our special pamphlet on Bent Grasses—it gives full details regarding the planting of and caring for Bent Grass Lawns.

Seaside Bent (*Agrostis Maritima*). Also often called Coos County Bent because most of the seed is grown in Coos County, Oregon. This is a true creeping bent, and makes a very smooth, uniform lawn. Extreme care must be taken in purchasing this seed, as there are so many swamp grasses and other weed seeds in the district where the seed is grown. Our stock of Seaside Bent is carefully re-cleaned in our own specially constructed seed cleaning plant, and is extremely pure and free from weed seeds. Price per pound \$2.50; 10 lbs. \$24.50 postpaid.

Astoria Bent. This variety is often called Golf-a-Lawn Bent. It is a very desirable type of grass for golf course putting greens and fine lawns, as it makes a beautiful, thickly matted, deep green turf. It holds its color exceptionally well and is an underground creeper. Our "Premium Brand" Astoria Bent is unusually clean and free from weed seeds. Price per pound, \$2.50; 10 lbs., \$24.50 postpaid.

Colonial Bent (*Agrostis Vulgaris*). Also often called "Rhode Island Bent"—characterized by its flat, narrow blades and its slightly creeping qualities, which make a very smooth and velvety lawn. Our seed is grown in New Zealand and is carefully cleaned. It produces an excellent lawn the year round at less maintenance cost than any other Bent Grass. Price per pound \$2.00; 10 lbs. \$19.50 postpaid.

Varieties of Grass Seeds

Often used for Golf Courses—Write for Quantity Prices

Red Top (*Agrostis Alba*). A fine bladed grass that is often used in mixture with Kentucky Blue Grass for putting greens and tees on golf courses. It also makes an excellent lawn grass. Price per pound 60c; 10 lbs. \$5.00 postpaid.

Hard Fescue (*Festuca Duriuscula*). Produces stiff, upright leaves, usually used in mixture with other varieties for golf course greens and tees. Price per lb. 55c; 10 lbs. \$4.75 postpaid.

Red Fescue (*Festuca Rubra*). Grows well in dry, sandy soils. Produces stiff and upright leaves, and its roots creep extensively. Used in putting green mixtures on tees and fairways. Excellent for lawns. Price per pound 60c; 10 lbs. \$5.50 postpaid.

Chewings Fescue (*Festuca Species*). Used extensively on putting greens, fairways and tees on golf courses, and does well on most any kind of soil. It also produces a stiff, upright plant. Price per pound 75c; 10 lbs. \$6.00 postpaid.

Bermuda Grass (*Cynodon Dactylon*). A broad leaved creeping grass, used for golf course fairways, polo and athletic fields. Will stand a great deal of hard usage. Price per pound 75c; 10 lbs. \$6.00 postpaid.

Bur Clover (*Medicago Arabica*). Used to a great extent for golf course fairways in California. Price per pound 50c; 10 lbs. \$4.50 postpaid.

Varieties of Grass Seeds, Cont.

GERMAIN'S

Los Angeles - - - - Since 1871

Sheep's Fescue (*Festuca Ovina*). Produces stiff leaves. Used chiefly on golf course tees, fairways, bunkers and on "the rough." Price per pound 95c; 10 lbs. \$9.00 postpaid.

Crested Dog's Tail (*Cynosurus Cristatus*). Has short narrow leaves and does well on dry light land. Price per pound 75c; 10 lbs. \$7.00 postpaid.

Sweet Vernal (*Anthoxanthum Odoratum*). A very rapid grower and used in mixture with other grasses for shady spots. Is also sometimes used on account of its pleasing aroma. Price per pound 75c; 10 lbs. \$7.00 postpaid.

Meadow Fescue (*Festuca Pratensis*). Produces very broad leaves. Used on golf courses on "the rough" and sometimes on the fairways. Price per pound 50c; 10 lbs. \$4.50 postpaid.

Wood Meadow Grass (*Poa Nemoralis*). A very fine bladed grass, medium dark green in color, used in mixtures for shady spots. Price per pound \$1.50; 10 lbs. \$14.50 postpaid.

Rough Stalked Meadow Grass (*Poa Trivialis*). Makes an excellent turf both for lawns in shady places and for putting greens and fairways on golf courses. Leaves are very narrow and flat. Price per pound 75c; 10 lbs. \$7.00 postpaid.

Fine Leaved Fescue (*Festuca Tenuifolia*). This grass is very similar in habits and adaptability to Chewings Fescue—only it has much finer leaves. Used in shade grass mixtures but will not stand hard usage or tramping. Price per pound 80c; 10 lbs. \$7.50, postpaid.

Various Leaved Fescue (*Festuca Heterophylla*). Produces a fine dark green turf. Is excellent for lawns, for shady places and on tees and fairways on golf courses. Price per pound 75c; 10 lbs. \$7.00 postpaid.

PASTURE AND HAY GRASSES

Write for quantity prices.

Grasses listed below are in many cases used for lawn purposes, but the quantities planted per acre for lawns are much greater. It must therefore be understood that the information given hereunder is for pasture and hay purposes only. The varieties used for lawn purposes will be found on Page 78, which is devoted to lawn grass seeds.

We have tried to list hereunder the chief varieties that have been successfully used in this section of the country. However, as a complete list of grasses will be too long to publish in this catalog we would appreciate your writing us for information and prices on any variety that you do not find listed herein and in which you may be interested.

Prices given in this section are necessarily only for small quantities as the market prices of field seeds vary considerably throughout the year. Therefore if you are in the market for larger quantities please write us for quotations and we will at all times quote you the lowest possible prices consistent with the prevailing market conditions and the quality of the seed offered.

Alfilaria (*Erodium Cicutarium*). Grows wild without any attention in all classes and conditions of soil except in swamps and excessive Alkali land. It is very hardy and will survive even where the winter temperature reaches zero or below. Little or no preparation of the soil is required other than scratching the surface of the soil. Seed should be broadcasted at the rate of 6 pounds per acre allowing the first rains to cover the seed. Soon after the first fall rains the plant begins to make its appearance and it is good pasturage at all stages of its growth even after it has matured and has dried. It compares favorably in nutritive value to Alfalfa and live stock of all kinds fatten on it readily. Pound, \$1.00; 10 lbs., \$9.00 postpaid.

Awnless Brome Grass (*Bromus Inermis*). Is unexcelled as a pasture grass under conditions of drought as it will withstand drought that will kill all other grasses. Plant 20 pounds to the acre. Price per pound, 60c; 10 lbs., \$5.50 postpaid.

Bermuda Grass (*Cynodon Dactylon*). This grass will stand the hottest and driest weather. Also it does well in any soil that is not too wet, and recovers quickly when grazed down. It is a very vigorous grower and is practically impossible to eradicate when once established. Sow on well prepared seed bed keeping the surface of the soil moist until the seed has germinated. Plant only in hot weather as seed will not germinate in cool temperatures. Price per pound, 75c; 10 lbs., \$6.00 postpaid.

Kentucky Blue Grass (*Poa Pratensis*). One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year. Sow 28 pounds per acre. For prices see Page 34.

Crested Dogs Tail (*Cynosurus Cristatus*). A perennial grass with short, narrow leaves; valuable for lawns or pastures on dry, light land. Sow 30 pounds per acre. Price per pound, 75c; 10 lbs., \$7.00 postpaid.

Seaside Bent Grass (*Agrostis Maritima*). Well adapted for sandy pastures near the coast and good for pasture on wet lands. Plant 25 pounds per acre if sown alone. Price per pound, \$2.50; 10 lbs., \$24.50 postpaid.

Rhode Island Bent Grass (*Agrostis Vulgaris*). This grass resembles Red Top and makes a close sod valuable for permanent pastures and meadows. Plant 28 pounds per acre. Price per pound, \$2.00; 10 lbs., \$19.50 postpaid.

Dallas Grass (*Paspalum Dilatum*). This is one of the best pasture grasses for it not only furnishes a highly relished stock feed, but it is very hardy and will withstand a great variety of conditions. It grows on the poor as well as the rich soils and it will not die out under conditions of drought as it revives quickly as soon as moisture becomes available. It is also adaptable for growth in swampy lands and supplies thick matted roots that will support cattle on soft ground. It is a vigorous grower and will take root amongst and choke out weeds. Price per pound, \$1.00; 10 lbs., \$9.00 postpaid.

Chewings Fescue (*Festuca Species*). This is a stiff upright grower commonly used in mixture with Clover and Red Top for pasture purposes. Does well on most any kind of soil and also in shady places. Plant 15 to 20 pounds per acre. Price per pound, 75c; 10 lbs., \$6.00 postpaid.

Red Fescue (*Festuca Rubra*). Forms a close rich sod and thrives well in dry, sandy and acid soils. Roots creep extensively. Plant at the rate of 15 to 20 pounds per acre. Price per pound, 60c; 10 lbs., \$5.50 postpaid.

Meadow Fescue (*Festuca Pratensis*). This is a very valuable species for permanent grass lands and is relished by live stock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. Price per pound, 50c; 10 lbs., \$4.50 postpaid.

Various Leaved Fescue (*Festuca Heterophylla*). This grass grows 2 to 3 feet in height and is valuable for permanent meadows either for mowing or grazing. Seed should be broadcasted at the rate of 30 lbs. per acre. Price per pound 75c; 10 lbs. \$7.00 postpaid.

Harding Grass. This is an excellent pasture grass and it will withstand much hard usage and heavy tramping of stock. It is a perennial grass, originally coming from Africa, and will furnish an excellent feed for years but can easily be eradicated if desired. The growth is tender and sweet and will furnish grass all winter, except in severe snow storms or hard freezing. Under good conditions this grass will pasture one cow per acre per year. Tests have shown this grass to be equal to Alfalfa as a feed, and it never bloats. Plant in the early Spring at the rate of 2 to 4 lbs. per acre. Price per lb. \$2.00 postpaid.

SEEDS

California's Best

Pasture and Hay Grasses, Cont.

Mesquite (*Holcus Lanatus*). Should be sown on burned over, virgin soils. No cultivation is necessary. Plant at the rate of 15 lbs. per acre. Price per pound 40c; 10 lbs. \$3.00 postpaid.

Orchard Grass or Cocksfoot (*Dactylis Glomerata*). Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Seed should be broadcasted at the rate of 12 to 15 lbs. per acre on well prepared soil. Price per pound 50c; 10 lbs. \$7.00 postpaid.

Red Top (*Agrostis Vulgaris*). A good perennial grass generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land mix with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 lbs. of seed to the acre. Price per pound 60c; 10 lbs. \$5.00 postpaid.

Italian Rye (*Lolium Italicum*). A quick-growing grass attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and supplies an abundance of the best and sweetest hay imaginable. Sow 40 pounds per acre. Price per lb. 35c; 10 lbs. \$3.00 postpaid.

Australian Rye Grass (*Lolium Perenne*). A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Plant forty pounds per acre. Price per pound 35c; 10 lbs. \$3.00 postpaid.

Pacey's Rye Grass. Valuable as a green forage plant for growing on lands not easily cultivated. Broadcast seed at the rate of 40 lbs. per acre. Price per lb. 35c; 10 lbs. \$3.00 postpaid.

Rhodes Grass (*Chloris Cayana*). This grass was first cultivated because of its pasture value. It bears pasturing very well, recovering quickly after it is eaten down; and is relished by all kinds of live stock. In favorable locations Rhodes Grass will support two steers to the acre nine or ten months out of the year, and in the more favorable parts of the year it will support double that number. It grows very thickly, producing from 5 to 10 tons of fine quality hay per acre. The hay contains a very large proportion of leaves while the stems are slender, tender and sweet so that the hay is eaten with very little waste.

On account of its dense growth, Rhodes Grass will drive out Bermuda Grass and other weeds. However, it is easily eradicated if desired, by one plowing and being allowed to stand dry for sixty days. Rhodes Grass will also add humus to the soil. Broadcast the seed in the fall or spring on thoroughly pulverized soil at the rate of twelve pounds per acre. Keep the soil continually moistened until the grass is established. Rhodes Grass grows so rapidly that the first cutting is often made in six weeks. It should not be pastured until after the second cutting. We especially recommend Rhodes Grass on Alkali soils where other plants will fail. Per lb. 75c; 10 lbs. \$6.50 postpaid.

Sweet Vernal (*Anthoxanthum Odoratum*). Valuable to put in pasture mixtures on account of its earliness. Plant at the rate of 28 lbs. per acre. Price per pound 85c; 10 lbs. \$8.00 postpaid.

Timothy (*Phleum Pratense*). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre. Price per pound 30c; 10 lbs. \$2.50, post paid.

FIELD BEANS

Write for quantity prices.

We have itemized on this page the most popular Beans raised in districts west of the Rocky Mountains. Since field beans are usually planted in large quantities we would request those making large plantings to write us for special prices as we are in a position to offer selected, true type varieties at the lowest prices consistent with market conditions. Prices on small quantities of all the varieties listed below are as follows. Per pound 35c; 10 lbs. \$3.00 postpaid, except where noted.

Red Mexican. Grows like the Mexican Pink Bean, but is a much heavier yielder under extreme heat. Plant 30 to 40 pounds per acre.

Small White Bean (*Navy*). This is grown extensively on good soils. It is especially adapted to coastal valleys as the intense heat of the interior valleys is somewhat detrimental to its growth. Plant 25 to 30 lbs. per acre.

Lady Washington. Commonly known as the Large White bean. It might be known as an all round bean, especially adapted to bottom lands and where moisture is easily obtained. It is also more free from attacks of mildew than the other common varieties of beans. Plant 25 to 30 pounds per acre.

Pink Bean. Very common variety. Will grow almost anywhere provided it has plenty of moisture. It is more particularly adapted to bottom lands. Will also withstand very hot weather, and ripens early in the season. Plant 30 to 40 pounds per acre.

Pinto. A spotted bean slightly smaller than the Red Mexican. Grown extensively in California, New Mexico and Arizona, and is a very good paying crop. Sow 25 to 35 pounds per acre.

Field Lima. Commonly known as the Ventura Lima. Used for commercial purposes, and is grown on all lands subject to heavy fogs, such as the Coast district. Plant 50 to 60 lbs.

Broad Windsor (*Large Horse Beans*). A hardy winter crop, planted from October up to February and March, so that the harvest cannot take place before the hot summer months. Used extensively as a green manure cover crop in orchards. Plant 50 to 60 pounds per acre.

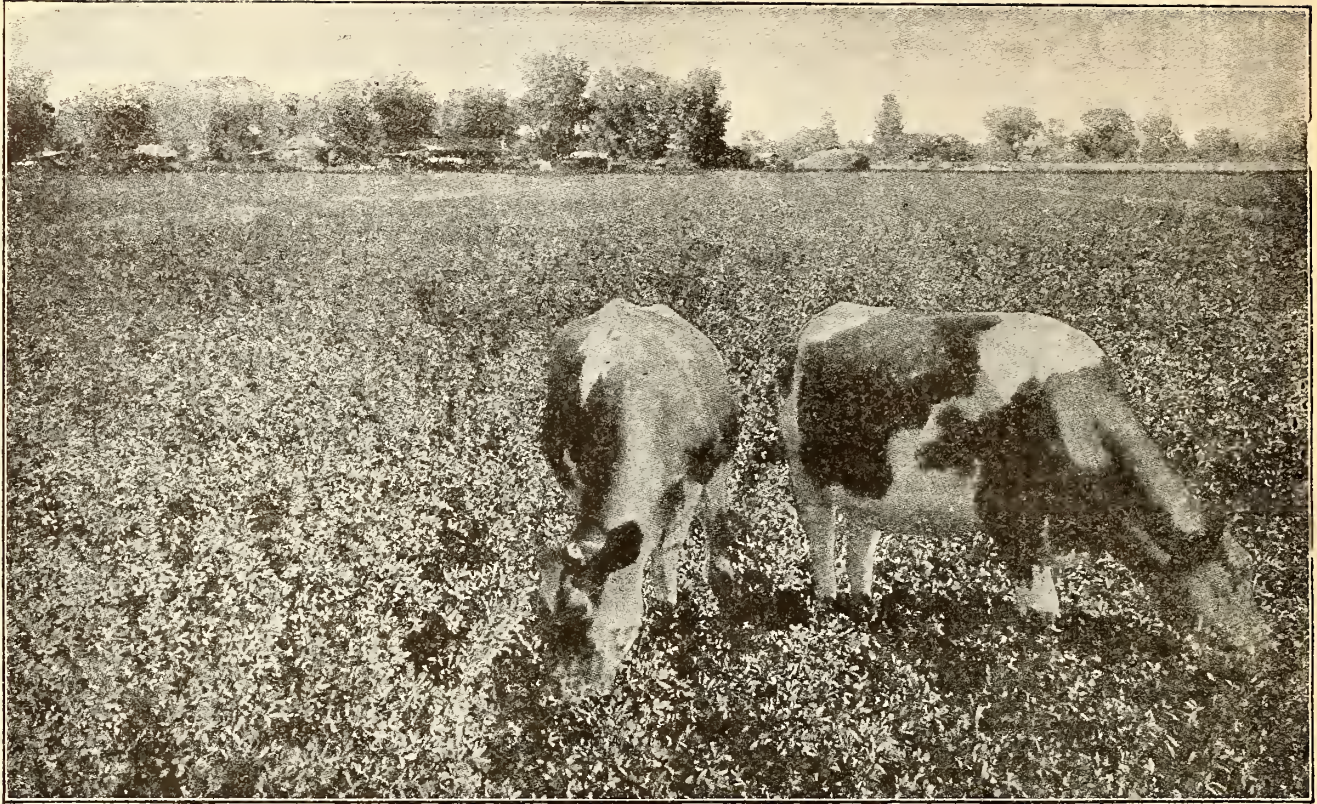
Small Windsor (*Manchurian Horse Bean*). Analogous to the Broad Windsor variety, only smaller in size, but will yield the same amount of foliage. Plant 40 to 50 pounds per acre.

Bell Type Horse Bean. Also similar to the above, but smaller in size. Plant 30 to 40 pounds per acre.

Red Kidney. Becoming very popular in the lower moist sections. Can be planted very early as it is a bush variety. The pods all grow so that they do not touch the ground, and therefore suffer a minimum of discoloration due to contact with the ground moisture. At harvest the leaves fall off, leaving the bean-pod exposed to the sun, therefore curing very rapidly. May be planted in 18 to 24 inch rows and cultivated by hand. Splendid for table purposes; also becoming very extensively known commercially. Plant 40 to 50 pounds per acre.

Blackeye. A very heavy yielder and does not require irrigation. It is very hardy—grows on practically all soils, and the bean is always readily salable. Should be planted in hot climates as it is susceptible to cold. Plant 30 to 40 pounds per acre.

Henderson's Bush Lima. This variety is commonly known as the Baby Lima, being very small; but is a particularly fancy bean for table use. Is very much in demand by the large hotels. It is unlike the large Lima bean in growth, as it can be raised in the interior dry sections and does not require the fog for moisture. Plant 40 lbs. per acre. Per. lb. 35c; 10 lbs., \$3.00, postpaid.



Germain's Quality Alfalfa Seed

The two bags illustrated on this page picture the designs that have been selected by us to represent the highest qualities of Alfalfa seed that we believe are available. Seed that is packed under these two brands comes from carefully inspected fields that are absolutely true to type, of unusually high hay yields, and that are free from weed plants. After harvesting the seed is re-cleaned on our modern seed cleaning machinery, resulting in uniformity of size and color, and freedom from chaff, dirt and weed seeds. The seed is then tested and must reach a high standard of purity and germination before being packed in

sealed bags under Germain's Premium Brand Chilean and Golden West Brand Hairy Peruvian Alfalfa Seed. These brands have become the recognized standard of quality in Alfalfa Seed. Write for our special booklets on these two brands of Alfalfa Seed.

Germain's Premium Brand Chilean (Common) Alfalfa Seed. Chilean or While it will not ordinarily "Common" is the old type of Alfalfa Seed and is still the leading variety in use, yield as heavily as the Hairy Peruvian variety, still it has given most satisfactory results under a variety of conditions and we can therefore unhesitatingly recommend its use. Price per lb. 50c; 10 lbs. \$4.50, postpaid. Write for quantity prices.

Germain's Golden West Brand Hairy Peruvian Alfalfa Seed.

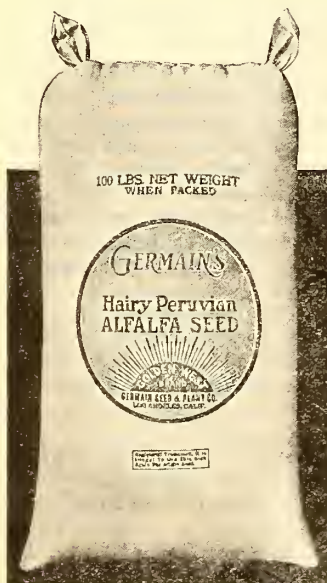
Hairy Peruvian Alfalfa Seed was first introduced by us in a commercial way to the farmers of California. Germain's Golden West Brand Hairy Peruvian Alfalfa will produce an average of more than two and one half tons more hay per acre than the Chilean Alfalfa Seed. It also has a longer producing season, is higher in food value and will recuperate more quickly after each cutting. We endorse and recommend this variety. Price per pound 50c; 10 lbs. \$4.50, postpaid. Write for quantity prices.

Germain's Smooth Peruvian Alfalfa Seed.

This variety is more closely related to the Chilean Alfalfa Seed, but will produce more heavily than the latter variety. Our stock of this seed is carefully selected, thoroughly re-cleaned and must test up to a high standard of purity and germination. Price per lb. 50c; 10 lbs. \$4.50, postpaid. Write for quantity prices.

General Information

Alfalfa seed may be planted either in the spring or the fall months. It should be sown on well prepared and well drained land at the rate of about twenty pounds to the acre. We recommend inoculating Alfalfa Seed with Farmogerm to insure the best results.



Clover Seeds

Quantity Prices and Samples sent on Request

Inoculate Clover Seeds with NITRAGIN

The expense, time and labor involved in raising a crop is the same whether your crop be large or small. Any increase in tonnage is therefore a net profit. We recommend that all Clover Seeds be inoculated with Stimugerm before planting. By inoculating with Nitragin at a cost of only 35c per acre, you can get a 50% larger tonnage in Clover crops. For particulars see page 110.

Melilotus Alba. Melilotus Alba Clover is the only real rival to Alfalfa. Melilotus Alba has for the past few years been recognized as one of the leading summer cover crops, especially in orange and lemon groves, but today hundreds of tons of Melilotus Alba Seed are being sown in California as a general soil renovator. The large Beet Sugar companies of the State are using it to reclaim their alkali soils so as to put the land in shape for further plantings of sugar beets. Melilotus Alba White Blossom Sweet Clover is a biennial and therefore lives only two years and then dies. During this time it develops a tremendous tap root which penetrates the very hardest soil. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for bees and the plant itself furnishes excellent pasturage for all kinds of live stock. A great many of the large ranchers are planting this clover to build up their land, and as it makes several crops through both winter and summer, during the two years of its growth, thousands of head of stock are being pastured on it during this time. It will grow on any kind of soil, from light sandy soil to heavy clay soil, and when once established requires very little water; in fact in some of the foothill sections of California the plant grows wild, re-seeding itself every two years and depending entirely on the annual rainfall for its growth. In California the seed is generally sown in the Fall of the year for the first rains, using on an average of 20 pounds of seed per acre. The seed can be sown with a nurse crop of grain or alone. The seed should be covered very lightly in a well prepared seed bed for best results. Prices: Per lb. 35c; 10-lb. lots, \$3.00 postpaid. Write for prices in larger quantities.

Mammoth Red Clover or Cow Grass (*Trifolium Pratense Perenne*). This plant is a mammoth strain and therefore a taller grower than Red Clover as described above. Price per pound \$60c; 10 lbs. \$5.00 postpaid.

Alsike (*Trifolium Hybridum*). Very hardy, adapted for sowing on cold wet land. Planted at rate of 8 to 15 pounds per acre. It yields a large amount of hay or pasture and makes a good bee plant. Price per pound 60c; 10 lbs. \$5.00 postpaid.

Red Clover (*Trifolium Pratense*). Furnishes an excellent feed for pasture or hay purposes and is used to a very great extent throughout the country on lands unsuited to the growing of Alfalfa, and also in crop rotations. It will withstand colder temperatures than most varieties of Alfalfa and also will thrive in slightly wetter land than Alfalfa. We therefore recommend its use in the higher altitudes and colder sections. Plant 12 pounds to the acre. Price per pound 60c; 10 lbs. \$5.00 postpaid.

White Clover (*Trifolium Repens*). Used in this section practically exclusively for lawn purposes. See page 78. Price per pound 80c; 10 lbs. \$7.50 postpaid.

Bur Clover. Strongly resembles Alfalfa. It is a great nitrogen-gatherer. Valuable as a green fertilizer and thrives in shade. Also used on hill lands with other clover or grasses for pasturage. Our seed is carefully hulled and thoroughly re-cleaned. Plant at the rate of 15 pounds per acre. Price per pound 50c; 10 lbs. \$4.50 postpaid.

Melilotus Indica (*Sour Clover*). An excellent cover crop. See page 84 for detailed information and prices.

Hubam Clover. This plant differs from Melilotus Alba only in that it is an annual rather than a biennial. Therefore it will make more growth over a short period of time. It is popular among apiarists because it blossoms the first season planted and the blossoms provide ample supplies of food for the bees. It is very valuable for a cover crop and an excellent forage and hay crop. It is a heavy yielder and very drought resistant. Twelve pounds of seed will plant an acre of land and give maximum returns. Its drought resistant qualities are remarkable. Without irrigation and with less than one inch of rainfall after seeding, it grew seven feet high. Price per pound 60c; 10 lbs. \$5.50 postpaid.

Ladino Clover. This is a mammoth white clover growing very rapidly and furnishing an abundance of tender green feed, making it especially desirable for feeding young poultry. A new introduction but its increase in popularity amongst poultrymen indicates that it is a very valuable addition. Plant 20 pounds per acre. Price per lb. \$1.50; 10 lbs. \$14.50 postpaid.

TABLE OF RELATIVE VALUES OF COVER CROPS

Compiled by W. M. Mertz from Experiments conducted at the University of California Citrus Experiment Station at Riverside.

Plot	Green Manure Crop	Average Tonnage of Green Manures on Acre Basis	No. of Analyses	Percentage of Water	Per Cent Nitrogen in Green Weight	Pounds of Nitrogen Per Ton Green Tops	Pounds Nitrogen Per Acre
1	COMMON VETCH	12.0	25	82	.538	10.8	129.6
2	Non-Legume	10.9	4	82	.281	5.6	61.0
3	Burr Clover	12.7	21	84	.637	12.7	161.3
4	Non-Legume	9.0	4	82	.281	5.6	50.0
5	PURPLE VETCH	20.0	5	81	.569	11.4	228.0
6	Non-Legume	9.7	4	82	.281	5.6	54.3
7	Vetch	12.8	4	82	.518	10.4	133.1
8	Non-Legume	9.2	4	82	.281	5.6	51.5
9	Canada Peas	7.5	18	80	.633	12.7	95.2
10	Non-Legume	11.0	4	82	.281	5.6	61.6
11	Tangier Peas	13.7	5	86	.494	9.9	135.6
12	Non-Legume	8.7	4	82	.281	5.6	48.7
13	MELILOTUS INDICA	13.7	9	80	.556	11.1	152.0
14	Non-Legume	10.5	4	82	.281	5.6	58.8
15	Fenugreek	12.3	12	82	.557	11.1	136.5
16	Non-Legume	8.9	4	82	.281	5.6	49.8
17	Lentils	12.1	7	75	.650	13.0	157.3
	Average of Nine Legume Plots	13.0	11	81	.572	11.4	148.2
	Average of Eight Non-Legume Plots	9.7	4	82	.281	5.6	54.3



A FIELD OF MELILOTUS INDICA—
SOWN WITH GERMAIN'S PREMIUM SEED

GERMAIN'S

Los Angeles - - - - Since 1871

COVER CROP SEEDS

(Green Manure Crops)

Prices of cover crop seeds listed below are postpaid in quantities up to and including ten pounds. Cover crop seeds are, however, often purchased in large quantities and we therefore request buyers of sack lots or over to write us for special quotations. Our stocks are all thoroughly re-cleaned to insure their being of high purity and germination and free from noxious weed seeds.

FALL COVER CROPS

Purple Vetch. The unquestioned superiority of Purple Vetch for fall cover crop planting has caused so large a demand for this seed that in most seasons the supply has not been adequate to take care of the demand. This has particularly occurred during the last few years. We have attempted this season to plant an adequate acreage for seed to take care of our trade, but inasmuch as the demand is constantly increasing and as there is always a possibility of a disappointing out-turn of our crop, we recommend that orders be placed as early as possible. We list hereunder the ten reasons why Purple Vetch is the outstanding cover crop.

1. It makes the heaviest growth of any leguminous cover crop known.
2. It contains more pounds of Nitrogen per ton of green manure than any other cover crop.
3. It makes the quickest growth of any cover crop.
4. It will germinate in a seed bed too poor for Melilotus.
5. It can be planted later than any other cover crop.
6. It makes the best growth in cool weather of any cover crop.
7. It can be plowed under earlier in the Spring than Melilotus.
8. It will start with less moisture in the Fall than Melilotus.
9. Owing to its complete root system it more thoroughly pulverizes the soil than any other cover crop.
10. On account of its fine stem and leaves it will decompose more quickly than any other cover crop.

We take special care in the production of our Purple Vetch Seed and our seed fields are rogued by hand to eliminate all off-type plants. Price per pound, 25c; 10 lbs., \$2.00. Write for quantity prices.

Vetch (Spring). The name "Spring Vetch" is somewhat misleading as this valuable cover crop seed should be planted in the fall any time from the first of August to the first of January. This variety is used by California orchardists as a cover crop to a large extent and we are able to provide large quantities of the most select seed. Plant at the rate of 60 lbs. to the acre. Price per pound, 25c; 10 lbs., \$2.00 postpaid.

White Mustard. (Brassica Alba). Used to some extent as a non-leguminous cover crop, making a quick rank growth. Has a deep tap root penetrating the soil to considerable depth. Plant 15 pounds to the acre. Price per pound 30c; 10 lbs., \$2.50, postpaid.

Wild Black Mustard (Brassica species). Also successfully used as a non-leguminous cover crop. Is very similar in habit to the White Mustard. Price per pound 20c; 10 lbs., \$1.50, postpaid.

Melilotus Indica (Sour Clover). This is the most popular cover crop in Southern California, and with the exception of Purple Vetch we can recommend it as the best cover crop to plant. Germain's were the original introducers of Melilotus Indica Seed in a commercial way to the farmers of California and each year we supply many hundreds of tons of this seed not only to the ranchers of this state, but also to the sugar planters of Louisiana and surrounding states to be used in renovating the soil in sugar plantations. We have installed in our warehouse the most modern and improved facilities for re-cleaning and scarifying this seed and as a result are able to offer under our Premium Brand Melilotus Indica, a quality of seed that is far superior to that which is ordinarily sold throughout the country. Germain's Premium Brand Melilotus Indica is over 99½% pure and of high germination and is becoming recognized as the standard of quality. Melilotus Indica is usually planted at the rate of twenty pounds to the acre on well tilled soil as early as September first or shortly thereafter. Seed may be either broadcast or drilled, and care should be taken not to cover the seed too deeply. Seed should never be covered more than ½ inch. We publish a special pamphlet on Melilotus Indica Seed giving detailed information that space in this catalog will not permit. This circular will be gladly sent to you without charge upon request. Price per pound, 25c; 10 lbs., \$2.00 postpaid. Write for quantity prices.

Melilotus Alba (Sweet Clover). A biennial legume having a deep sturdy tap-root penetrating plough-soles and hard-pans, which no other plant will do. It may also be used as a spring cover crop. See page 39 for detailed information. Price per lb., 35c; 10 lbs., \$3.00 postpaid.

Bur Clover. Bur Clover is becoming increasingly popular as a cover crop seed for all planting. The table shows it to be second only to Purple Vetch in the nitrogen production per acre. It thrives in shady locations where other leguminous crops fail. Broadcast at the rate of 15 lbs. per acre on well prepared soil. Price per lb., 50c; 10 lbs., \$4.50 postpaid.

Hubam Clover. An annual legume which makes an excellent cover crop for fall planting and may also be planted in the spring. See page 39 for detailed information. Price per lb., 60c; 10 lbs., \$5.50 postpaid.

Fenugreek. Formerly used to quite an extent as a cover crop in California, and recently has come into prominence again. Plant 25 to 30 lbs. per acre on well prepared seed bed. Price per pound 30c; 10 lbs., \$2.50, postpaid.

SEEDS

California's Best

Spring Cover Crops

Whippoorwill Cow Peas. Cow Peas have rapidly increased in popularity as a spring cover crop and are now unquestionably the outstanding spring and summer cover crop in use in California. The vines are large and spready, and if planted correctly will cover the entire ground of the orchard, which is most desirable.

This variety is especially recommended for its quick growing habits and therefore is an ideal variety as a cover crop to counteract the June drop. Whippoorwills will grow on practically all kinds of soils and are great nitrogen producers. Plant at the rate of 60 to 90 lbs. per acre in the spring or summer after the ground is thoroughly warm and all danger of frost is over. Do not plant Cow Peas too early as they require warm weather and a warm soil to germinate. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Brabham Cow Peas. The Brabham is a crowder variety of Cow Pea, the culture and habits being very similar to the Whippoorwill. It however has the distinct advantage over the Whippoorwill in that it is nematode resistant. We therefore highly recommend the use of Brabham Cow Peas in any section where nematode is present, as it produces equally good results as the Whippoorwill Cow Pea and if grown repeatedly will eradicate nematode from the field. Price per pound 25c; 10 lbs. \$2.00 postpaid.

Brown Virginia Soy Beans. This is another variety of early spring or summer cover crop seed which is quite popular. They do not cover the ground as well as the Whippoorwill Cow Peas. However, as a nitrogen gathering plant they are hard to surpass and we strongly recommend them if you desire to obtain nitrogen for your soil. For years the Soy Beans used in California have been imported from Japan and have been inferior seed. We are offering this year the Brown Virginia Soy Bean which is far superior to all other varieties, as it is trailing in its habits, whereas most other Soy Beans are erect growers. Sow 30 to 45 lbs. to the acre if drilled, and 60 to 90 lbs. if broadcasted. Price per pound, 25c; 10 lbs. \$2.00 postpaid.

Blackeye Beans. These Beans belong to the Cow Pea family and although at times used for cover crop purposes with satisfactory results, we do not recommend their use when Brabham and Whippoorwill Cow Peas are available as they will not produce the tonnage of green manure or establish as deep a root system as these two varieties. Plant 30 lbs. to the acre. Price per pound, 25c; 10 lbs., \$2.00 postpaid.

Horse Beans (*Windsor Beans*). Horse Beans are becoming quite popular for cover crop purposes particularly in Southern California. The roots produce very large quantities of nitrogen and the green matter turns into humus very rapidly after plowing under. We list hereunder three different types of Horse Beans, the main difference being the size of the Bean, and therefore smaller quantities of the smaller sizes are required to plant an acre. Horse Beans are usually planted in the fall but may also be used for spring planting.

Large Horse Beans. The seed is about an inch long and about one-half inch wide and flat in appearance. Plant 50 to 60 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Small Horse Beans (*Manchurian Horse Beans*). Similar to the Large Horse Bean only smaller in size, but will yield the same amount of foliage. Plant 40 to 50 lbs. per acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Bell Type Horse Beans. This is a still smaller Horse Bean and is planted at the rate of 30 to 40 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Canadian Field Peas. This legume has the distinct advantage of being suited to late planting. Canadian Field Peas may be planted in cold weather and furnish a most valuable cover crop. Care must however be taken, if planted in cold weather, to see that the seed does not rot from getting too much moisture before the plant is above the ground. Plant 75 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Sesbania. A cover crop that is especially adapted to hot climates and therefore is being used to a great extent for planting in the Imperial and Coachella Valleys. It will thrive in alkali soils where other crops will not grow. It produces a very heavy woody growth in a short period of time if given plenty of water during its growing period and up to the time of maturity; stalks often growing as tall as 12 to 14 feet and 1 to 3 inches in diameter at the base. It is a leguminous plant containing an abundance of nitrogen bearing nodules on its heavy tap root. Plant at the rate of 12 lbs. to the acre. Price per pound. 30c; 10 lbs., \$2.50 postpaid.

MISCELLANEOUS FARM SEEDS

Quantity Prices and Samples on Request

Broom Corn

Cultivation. A thoroughly prepared seed bed is very essential and the soil should be in a moist condition at time of planting. Drill the seed in rows 30 to 60 inches apart at the rate of 6 to 8 lbs. of seed per acre. When the plants are up, thin out so that they stand 3 to 4 inches apart in the row.

Sterling Dwarf. Price per pound 25c; 10 lbs. \$2.00, postpaid.
Standard Tall. Price per pound 25c; 10 lbs. \$2.00, postpaid.

Flax

Flax. When grown for seed, plant forty pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per pound 30c; 10 lbs. \$2.50, postpaid.

Millet

German Millet. Few other grasses or forage plants have been able to produce the enormous yield of this plant. It has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July. Leaves the ground in excellent condition for following crops. Plant 30 lbs. per acre. Price per pound 25c; 10 lbs. \$2.00 postpaid.

Proso Millet (*Hog Millet or Broom Corn Millet*). Grown very extensively in Europe and Eastern Asia for food purposes. In America it is very commonly used for poultry food. The culture is the same as for the German Millet. Sow 70 lbs. to 80 lbs. to the acre. Price per pound 25c; 10 lbs. \$2.00, postpaid.

MISCELLANEOUS FARM SEEDS (Cont.)

Peanuts

Plant when weather is warm. A warm, porous, sandy soil, put into good friable condition and freed from weeds, is most suitable. Remove the pods without injuring the kernel, and place contents in bags or baskets, a small quantity in each, where there is a free circulation of air, until needed for planting. Reject all shriveled kernels. It requires fifty pounds of peanuts in the hull to an acre and twenty-five pounds hulled. The Virginia are in the shell and the Spanish are hulled. Plant in rows three feet apart and one foot apart in the row. Cultivate often and keep the ground loose, as after the blossoms drop, the peduncles enter the soil at the base and form the peanut.

Virginia. The best variety for roasting; 40c per pound; 10 lbs. \$3.50, postpaid.

Spanish. In addition to their value for nuts, these are very largely used in the South as a forage and fattening crop for horses and other stock. They are early to mature, very productive, and in the far South, where they can be planted in April, two crops can be made in a year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. In harvesting, the nuts hang to the vine and the tops and nuts are fed together to hogs, cows and horses as a whole grain ration. Spanish Peanuts grow in more compact form than the Virginia Peanuts, making it possible to grow them closer and making the cultivation easier. 40c per pound; 10 lbs. \$3.50, postpaid.

Bigger yields of Peanuts are obtained by Inoculation.

GERMAIN'S

Los Angeles - - - - Since 1871

Rape

Dwarf Essex. This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six or eight weeks from the time of sowing. The fattening properties of Rape are said to be very much better than those of clover. It also makes splendid green feed for poultry. Rape is best sown in drills, at the rate of three to five pounds per acre, or it can be sown broadcast, when from six to eight pounds per acre should be used. 30c per pound; 10 lbs. \$2.50, postpaid.

Salt Bush

Australian (*Atriplex semi-baccatum*). Will grow on alkaline soils. It is much relished by stock, supplying the necessary salt. One pound of seed is planted to the acre if sown broadcast; four ounces if transplanted. In cutting fodder be careful not to injure the crown of the plants. Ounce 15c; pound 85c; 10 pounds \$7.50, postpaid.

Sunflower

Mammoth Russian. Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Plant 10 lbs. per acre. Per pound 25c; 10 lbs. \$2.00, postpaid.

CEREAL GRAINS

Write for Quantity Prices

Ceresan should be used to disinfect seed grain before planting to destroy such disease germs and fungus spores as adhere to their surface coat. Ceresan possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. See Page 115.

Barley

Sow 65 to 100 lbs. to the acre.

Beardless. We have a perfect strain of this variety originally produced from a single head of superlative type.

Common. This seed is selected from good, average-weight grain free from foreign grain and weed seeds.

Oats

Sow 65 to 90 lbs. per acre.

Red Rust-Proof, Texas grown. Our seed is from selected Texas stock, thoroughly re-cleaned, giving you a higher percentage of plump oats than you can ordinarily buy. It is all graded according to the State standards of Texas, and we are so situated that we obtain the best seed which that great State is able to produce.

Red Rust-Proof, California grown. These are the Texas oats after they have been grown in California, thoroughly acclimated. They are somewhat lighter in color than the Texas-grown, but are in every way satisfactory for re-planting in California.

Kanota Oats. This strain of oats is becoming increasingly popular as it has many advantages over the Texas and California Red Oats. It matures from ten to fourteen days earlier and is a heavier yielder. Tests conducted in this state have shown it to be more resistant to rust and more immune to smut than other varieties. We recommend planting this variety.

Buckwheat

Sow 40 pounds to the acre.

Japanese. The most prolific variety with large grains, brown to dark brown in color. Sow after danger of frost is over either in drill or broadcast. The plant ripens early and stands well in the field. Price per pound 25c; 10 lbs. \$2.00, postpaid.

Rye

Sow 80 lbs. to the acre.

Common or Winter. Our seed is obtained from Utah fields, as Utah seed produces better in California than that which has been grown here, and yields larger kernels. It is used extensively for cover crop purposes.

Wheat

Sow 90 to 130 lbs. to the acre.

It is not good practice to grow many different varieties and we have therefore selected only those most successfully grown in this section.

Federation. A rust-proof variety, a heavy yielder, hard and splendid for milling purposes; has large heads and plump kernels.

Sonora. A popular beardless variety in California, especially in the southern counties. It matures early and yields heavily and will stand more drought than most varieties. Is a soft wheat and is suitable for blending in the manufacture of flour.

Turkey Red. A hard red wheat, very high in gluten and valued for milling purposes.

Early Baart. This is a bearded variety of spring wheat having large white grain, of exceptional milling quality. It will average two or three weeks ahead of ordinary sorts of white wheat, and produces a larger crop. This variety is continually increasing in popularity.

SEEDS

California's Best

FIELD AND ENSILAGE CORNS

Note. Prices on field corns listed below are postpaid in quantities up to and including ten pounds. If larger quantities are desired, write us for special quantity prices.

If grown for the corn, field corn should be drilled in rows three feet apart, and two feet apart in the rows, requiring about ten pounds per acre. If grown for ensilage, the rows should not be over one foot apart, and thirty inches apart in the rows, requiring 50 to 75 pounds to the acre.

Big Jim Corn

Germain's Big Jim Corn has fulfilled our highest expectations. It has proven to be the greatest corn ever introduced in the Southwest. It has met with unanimous approval as is evidenced by the hundreds of testimonials that we are receiving—testimonials from men who have grown corn for years in the corn belt states. They say they have never seen anything to equal it. It has out-yielded every other variety grown, some of the yields running as high as 100 bushels per acre. The ears of Big Jim Corn, usually borne two on each stalk, average from 10 to 14 inches in length and 8 inches in circumference. The kernels are a rich yellow and very large. The cob is proportionately small. The stalks attain an enormous height, bearing an abundance of large leaves.

For Ensilage. Big Jim Corn produces such an enormous growth of stalks and leaves that we are convinced that it is unsurpassed as an ensilage corn. It is not uncommon for Big Jim to produce from 35 to 40 tons of green corn per acre when sown thickly enough. Furthermore, the feeding value of this silage is greatly increased by the heavy yield of grain. Big Jim Corn for silage will insure the grower the greatest possible returns per acre.

Seed Selection. Special attention has been given to improving our Big Jim Corn. Only the best seed stock of this variety is planted, seed that came from perfect ears and high producing fields. The fields are given the most careful attention. They are regularly inspected by our corn experts, and the work is carried out under their direction. The corn is carefully suckered, and any smutty stocks are quickly eliminated. The perfect ears, selected for seed, are dried on the cob, after which they are butted and tipped and shelled. The shelled corn is then carefully hand picked and put up in sacks for delivery. While this work is somewhat expensive, adding slightly to the cost of the seed, the increased yield resulting, more than offsets the increased cost.

1 lb. postpaid, 30c; 10 lbs. postpaid, \$2.50

WRITE FOR PRICES IN LARGER QUANTITIES

Ensilage Corn

Eureka Ensilage Corn. Eureka Ensilage corn is one of the heaviest yielding ensilage corns adapted to California climatic conditions. It grows to an average height of 14 feet, has very leafy stalks bearing one to three ears to the stalk, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo, furnishes a feed that is very succulent and of the highest feeding value, and is relished by all kinds of stock.

Our seed stock of Eureka Ensilage Corn is of exceptionally fine quality and is selected for size and uniformity, for both ear and kernel.

Price per lb. 25c; 10 lb. \$2.00 postpaid.

Write for quantity prices.

Orange County

Prolific

Orange County Prolific is a California product of the white dent variety. It is also an exceptionally heavy yielder and highly recommended for ensilage purposes. We consider it next on the list following Eureka Ensilage Corn. What we have said regarding the selection of our seed stock for Eureka Corn also applies to this variety.

Price per lb. 25c; 10 lbs. \$2.00 Postpaid

Write for quantity prices.

Corn—Field

Hickory King, White. This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

Improved Leaming Corn. Yellow. 1 lb. 25c; 10 lbs. \$2.00, postpaid.

King Philip, Yellow. This is a hard yellow flint corn and is generally referred to as ninety-day corn. It is drought resisting and will give a fair yield where most corns are a failure. 1 lb. 25c; 10 lbs. \$2.00, postpaid.

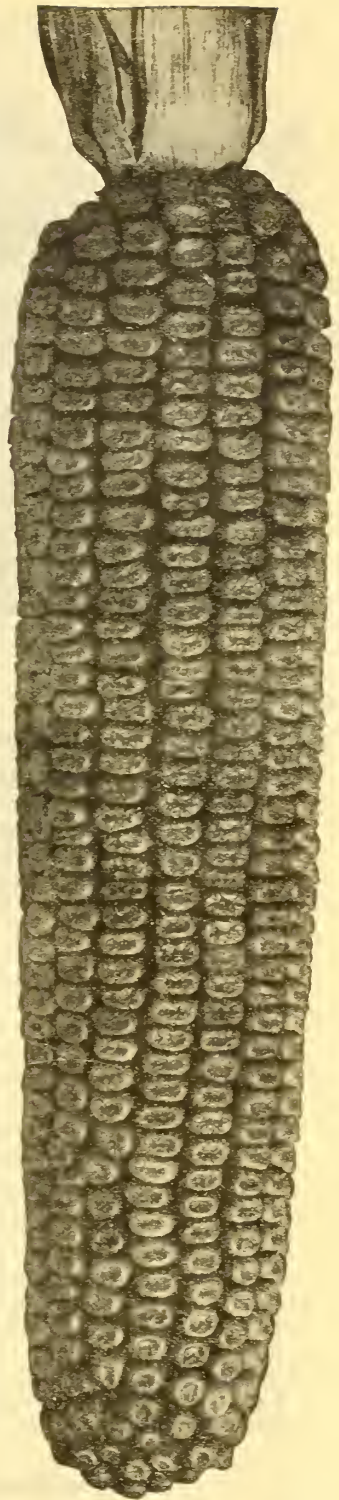
Mexican June Corn, White. Very early and hardy, stalks growing to an average height of 7 or 8 feet and producing 30 to 60 bushels of corn per acre. This corn is also used for roasting purposes in many sections of California. 1 lb. 25c; 10 lbs. \$2.00, postpaid.

Ried's Yellow Dent. A very popular variety of yellow dent corn for seed and silage. Is a good yielder. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

CORN—POP. See Page 59.

CORN—BROOM. See Page 85.

Semesan Jr. should be used to disinfect seed corn before planting, to destroy such disease germs and fungus spores as adhere to the surface coat or in some cases exist internally. Semesan Jr. possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. See Page 111 for prices.



BIG JIM CORN



A PERFECT FLELD OF SUDAN GRASS GROWN FROM OUR SEED

SORGHUMS AND SUDAN

Write us for Quantity Prices and Samples.

Saccharine Sorghums

Early Amber. Furnishes a large field of most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows ten to twelve feet high. Sow broadcast for forage at the rate of 60 pounds per acre. When sown in drills, sow at the rate of 10 pounds per acre in drills three and a half to four feet apart. Per lb. 25c; 10 lbs. \$2.00, postpaid.

Honey Sorghum. Is the prize variety without a doubt. We have seen it growing in Imperial Valley, San Diego County, San Joaquin Valley, and in the vicinity of Los Angeles. All growers every year are loud in its praise.

Honey Sorghum is a selection from one of the earliest introductions, and has been regarded with special favor for ensilage and for syrup purposes. It is the best variety for silage purposes, having slender leafy stalks, varying in height from eight to twelve feet. It is medium late maturing and has decidedly tender stalks, and is important from a forage standpoint. Imagine an average of twenty-seven tons or over per acre.

The method of seeding will be determined largely by the purpose for which it is grown. When the crop is to be used for fodder or silage, it is usually planted in rows 3 to 3½ feet apart, using up to 4 pounds of seed per acre.

Price per lb. 25c; 10 lb. lots \$2.00, postpaid. Write for special prices in larger quantities.

Orange Sorghum. In habit of growth it is very similar to Early Amber Sorghum, but does not stool quite so closely nor does it grow quite so thickly. Per lb. 25c; 10 lbs. \$2.00 postpaid.

Non-Saccharine Sorghums

Dwarf Milo Maize. Germain's select strain of Fancy Dwarf Milo is an entirely different type, growing to a uniform height of 4½ to 5 feet; its stalks being a mass of leaves overlapping each other and under average conditions yielding from 2 to 2½ tons of threshed grain per acre.

It is drought resisting, a vigorous producer, easy to harvest and it is the finest grain we know.

Plant six pounds per acre in rows 3 feet apart and plant six to twelve inches apart in a row. Planting should be done in the spring, after all danger of frost is past and when the ground is warm.

Price per lb. 25c; 10 lbs. \$2.00, postpaid.

Double Dwarf Milo Maize. Similar in all its characteristics to the Dwarf Milo Maize except in height. This strain grows 2 to 2½ feet tall and therefore can be combined. Planting instructions are the same as the Dwarf Milo Maize. Our seed of this variety is carefully selected for trueness to type and uniformity. Price per pound 25c; 10 lbs. \$2.00, postpaid.

Sudan Grass. Is the most drought resisting annual ever introduced. Since its introduction in 1915 its popularity has increased regularly and it has now come to stay. It grows on a wide range of soils from sand to clay, and produces from four to six cuttings of highly nutritious hay per acre. As a pasture crop it is unexcelled, and succeeds where others fail. Sow 15 to 20 lbs. of seed per acre in the early spring after all danger of frost is past, and you will be assured of a bountiful supply of forage until late fall.

The price is ½ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00, postpaid.

Egyptian Corn. This is also one of the drought resisting non-saccharine crops. The grain is produced in large compact heads and the seed is flat and pure white. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Plant the same as Milo Maize. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

Feterita. This sorghum was secured from Sudan, where it is commonly grown under the name of Feterita; an early maturing plant valued both for grain and forage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drought resistance it compares favorably with any sorghum yet introduced. Sow 6 pounds to the acre. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

White Kaffir. Unsurpassed for dry alkali land, on which no better fodder and grain crop grows. A prolific member of the sorghum family, having more foliage and smaller stalks than the other varieties, and harvested very easily. Its great root system enables it to produce wonderfully in drought sections and to break up new ground for other crops. Cattle relish the stalks; the grain is valuable food for poultry. Plant three pounds to the acre. Price per pound 25c; 10 lbs. \$2.00, postpaid.

Hegari. A recent introduction. Experiments have been made on this crop in Arizona and it is claimed that it is a little sweeter than Kaffir Corn or Feterita. The seed is round and white and does not shatter very readily. The heads grow very erect. It is drought resisting and stands some alkali. Plant six pounds to the acre. Price per pound 25c; 10 lbs. \$2.00, postpaid.

GERMAIN'S ROSES

The New Rose Sensation of the Decade President Herbert Hoover

This new American Rose is the most remarkable achievement in the new rose field in ten years. It has received official recognition and high awards wherever exhibited, climaxed by the award of the coveted American Rose Society's gold medal at the International Show in New York.

The **President Herbert Hoover** is entirely typical of the modern color trend in Roses. It is a harmonious blending of tones which become subdued or intensified at various stages of development adding to the warmth and beauty of its coloring an evanescent and elusive charm which words cannot convey.

The blended shades vary from coppery rose and orange to old gold and yellow at the base of the petals, the whole being overlaid and flamed with vivid rose pink. The opening buds, long and pointed in form are a vivid coppery red and develop into full, heavily petaled blooms of perfect shape and delicate fragrance.

The plant shows exceptional vigor, strong stems and healthy vivid-green foliage and in our trials has proved unusually prolific without prejudice to the size or fullness of the flowers.

Price: \$2.50 each; \$2.60 Postpaid



Eight Superb New Varieties

The following eight varieties are selected from the best American and European Roses of recent introduction. Most of them are offered here for the first time and we wish to call your particular attention to this group. These varieties have shown exceptional merit under the most severe tests to which all novelties are subjected at our trial grounds before being offered to our customers. You may therefore select with perfect confidence any of the varieties listed below—we have tried them and recommend them unreservedly.

Tailsman. This new rose offers a most novel and remarkable effect in coloring. It is a combination of gold, apricot, yellow and deep pink or old-rose. The outside of the petals is bright yellow, gold, and pink; as the flower develops and the petals unfold they become bright apricot, gold, deep rose-pink or old-rose and unlike most Roses the color becomes brighter as the flowers develop. The bud is long, perfectly formed, averaging about 25 to 28 petals, the plant is a strong vigorous grower with glossy green foliage and free flowering. \$1.00 each; \$1.10 postpaid.

Etoile De Holland. Brilliant red blooms of large size, perfect in the half open state, petals extremely large, a rose that holds its color well and is comparable with the best red roses grown. Very fragrant. \$1.00 each; \$1.10 postpaid.

E. G. Hill. The flower is scarlet, shading to a deeper pure red as it develops. It produces long stems naturally and the foliage develops freely and is of fine color. A good producer and an unusually good keeper. Does not fade even during the hottest

weather. Sweetly scented. Will fill a long felt want for a good red rose that does not turn purple, is easy to grow and does not mildew. \$1.00 each; \$1.10 each, postpaid.

Joanna Hill. A splendid and distinct sort that showed up in our trials as a rose that will be extremely popular. Large buds and blooms that are high pointed, and at no time do they become flat. Color is a delicate shade of golden yellow, deepening toward the center to a warm apricot tinge. Stems strong and foliage healthy. Fragrant and free flowering and especially fine for cutting. \$1.25 each; \$1.35 each, postpaid.

Lord Charlemont. Deep Crimson, high centered fragrant blooms; finely formed. A red rose that should be widely planted, a continuous bloomer and easy to handle. \$1.00 each; \$1.10 postpaid.

Margaret McCredy. A new color in roses, a brilliant shade of Turkish red passing as the flower ages to a beautiful shade of Carmine Rose. Very free flowering; stems strong, foliage leathery. \$1.00 each; \$1.10 postpaid.

Miss Rowena Thom. A California introduction that has received favorable comment from rose lovers everywhere. In growth it is as strong as the well known Radiance and quite as free flowering. Color, a lustrous rose pink shading to rosy Carmine. A fine cut flower. \$1.00 each; \$1.10 postpaid.

Rev. F. Page Roberts. A rose of remarkable form and color. Long pointed buds of coppery red and yellow on the outside, opening to full fragrant flowers of golden yellow. Vigorous branching habit, beautiful foliage. \$1.00 each; \$1.10 postpaid.

One each of the above Eight Superb New Varieties for \$7.50 by express collect. Postpaid \$8.15.

GERMAIN'S

Los Angeles - - - - Since 1871

Nine Choice and Rare Varieties

85c each by express collect; 95c each postpaid

Mme. Alexandre DreuX. A captivating rose of deep rich color, like the skin of a ripe Tangerine orange, a profuse bloomer with lovely long buds developing into perfect flowers of good size and full to the center. The blossoms are sweetly scented and never fade white.

Mrs. C. W. Edwards. Rich rosy-scarlet overlaying an orange ground, the base of the petals prettily zoned citron-yellow which runs in faint veinings into the higher colors; a novel color combination. Large, full, fragrant flowers.

Dame Edith Helen. The flowers of immense size are composed of very substantial broad petals which curl back prettily, forming a wonderful long pointed bud which develops into a full double flower and is absolutely perfect in every stage of development. The color is a brilliant, yet soft Rose du Barri pink and is delightfully and strongly sweet scented.

Angele Pernet. A rose that attracts immediate attention. It is described as a vivid orange-yellow, shaded fiery deep reddish apricot, but "tango color," we believe, describes it better. It is a good grower, producing a long bud opening to a moderately full, beautiful sweet scented flower that is admired by all.

Lady Margaret Stewart. A rose of unique and distinct color, the flowers in the young stage are a deep sunflower yellow heavily veined and splashed with orange-scarlet with the reverse of the petals deeply suffused with carmine as the flowers develop. Delightfully sweet scented. Growth very vigorous and upright with beautiful, glossy, deep green, serrated foliage.

Lady Florence Stronge. An entirely new, distinct and novel color; a reddish prawn to violet old rose shading to yellow at the base and pink towards the edge, the inner surface of the petals heavily veined and flushed scarlet, the flowers are large, full with high centres and fragrant.

Feu Joseph Looymans. Long pointed buds of tangerine yellow with a vivid apricot center. Much admired wherever seen on account of its striking color. Open flower of unusual size, which assumes cactus form before the petals fall.

One each of the above nine varieties for \$6.75 by express collect.
Postpaid \$7.50.

Twenty-Five Outstanding Varieties

65c Each by Express Collect; 75c Each Postpaid

Betty Uprichard. While the blossom of this variety is not large, yet its color is sufficient reason why it should be in every garden. Buds are coppery red and as the flower expands the outside of the petals are orange carmine, inside a delicate salmon pink; flowers are sweet scented and semi-double.

Briarcliff. Flowers are a pleasing shade of soft pink, buds are long and pointed. Keeps a long time as a cut flower, a decided improvement on Columbia. Fills a long felt want in a pink rose. Flower is double and full to the center.

Cuba. The large flowers are semi-double, but this variety is the most intense in color that we know of. Imagine a Brilliant Vermillion-scarlet over an orange ground, a combination that is so intense that it fairly sparkles. A glorified Padre.

Mrs. Lovell Swisher. A California rose of unusual merit. The color of the buds is a deep coppery salmon at the base, merging to salmon pink at the tips. As the flower expands the color deepens to a coppery tinge towards the center. They are delightfully tea-scented.

ROSES

California's Best

Twenty-five Outstanding Varieties (Continued)

65c each by express collect; 75c each postpaid

Black Prince. Intensely dark crimson, approaching black. Flower cup shaped, large and full, and old favorite. Stock is always very scarce. Bush is extremely hardy. Fragrant.

Constance. Deep orange-yellow, splashed and streaked crimson. Medium sized flowers. A steady bloomer. Plant inclined to grow dwarf. A little harder to grow than most roses but well worth the trouble.

Etoile de Feu. Very distinct and attractive globular buds expanding to large, cupped, full to center flowers, of a rich flaming orange-pink with flame colored shadings, borne profusely throughout the season. The plant is of vigorous free habit with glossy foliage.

Golden Emblem. Flower similar in color to "Constance" and having the same crimson stripe on outer petals, with high pointed center; tea perfume. Growth free and branching with splendid constitution, deep glossy green foliage, stout stalks and mildew-proof; extra perpetual flowering. One of the best yellow roses grown.



MARY PICKFORD

Hadley. A rich glorious red shading to velvety purple. Flowers exceedingly fragrant. Buds are high and pointed. A rose that should be in every collection. Highly recommended.

Hoosier Beauty. A dark rich velvety crimson of even color. Produces long stems. Flower is double and pointed. Sweetly scented. Not inclined to mildew. With the Hadley this variety can be rated as one of the best reds.

Imperial Potentate. A splendid new rose of perfect form. Exquisite in bud and developing into large, very double, substantial flowers, very prolific and delightfully tea-scented. The color is a pleasing shade of deep, clear rose pink. It is one of the finest pink roses of recent years. Fine for cutting.

Los Angeles. A world-renowned "Gold Medal" variety. Originated in Los Angeles, this superb rose has created a sensation wherever grown and should be in every garden. Its color is a rich glowing flame pink shading to apricot and yellow at the base of the petals. Long pointed buds expanding to glorious size.

Louise Catherine Breslau. Astonishing in color. Salmon-red buds, opening to large flowers of orange-pink, glowing with yellow and copper. Color well retained. Growth bushy and vigorous; foliage glossy.

Lulu. The best of its kind. The color is a deep rich apricot. Buds are long and pointed, similar to Irish Fireflame in form but with twice as many petals. A fine corsage or buttonhole rose.

Mary Pickford. The color is novel and distinct, it is a beautiful orange yellow, stained on the reverse of the outer petals with salmon. In habit and growth it strongly resembles one of its parents, Souvenir de Claudius Pernet. The long, shapely buds are very freely produced and open to fully double sized flowers. Delightfully tea-scented.

EXTRA STRONG AND HARDY STOCK

Much has been said regarding the merits of budded roses and own root roses. With few exceptions we find that the budded stock is stronger and better adapted to varying conditions than is the own root stock. Practically 95 percent of our varieties are budded on Ragged Robin which we have found after exhaustive tests to be the best understock.

These roses are extra vigorous and of finest quality. They are all 1st grade, 2 years old, field grown stock. No finer roses can be bought anywhere at any price. The reasonable charges are due to the great quantities grown—but you cannot buy better roses.

Cutting of Flowers. Do not be afraid to cut the flowers from your plants as this will do them no harm. Rose bushes produce the largest and finest blooms when flowers are cut at least every second day. A good rule to follow when picking the blooms is to cut the flowering stem back to within 2 or 3 leaves from where it branches out of the main stem.



GERMAIN'S

Los Angeles - - - - Since 1871

Twenty-five Outstanding Varieties (Cont.)

65c each by express collect; 75c each postpaid

Mrs. H. R. Darlington. A long felt want in a white rose. Buds are creamy white, but turn to pure white as the flower expands. A rose of delightful fragrance and beautiful form. Awarded the Gold Medal by the British National Rose Society.

Mrs. W. C. Egan. The color is a lovely shade of two-toned pink, shading through deep flesh to golden yellow at the base of the petals. The contour of its long, pointed buds and the splendid formation of the open bloom with its glorious combination of colors; its fragrance and robust free flowering habit, will insure for this splendid variety a well deserved and lasting popularity.

Mrs. Henry Morse. A bright flower of two contrasting tones of pink, with an underlying yellow glow; double, high-centered, large, moderately fragrant. Plant tall and branching; foliage a little sparse. Very free blooming and has proved quite hardy.

Padre. An exquisite new variety in a color that is distinct from any other. The bud is long and pointed, borne on a strong stem with dark foliage. The color is a beautiful shade of coppery orange crimson with yellow shadings at the base of the petals.

Queen Alexandra. A remarkable color combination is seen in this rose. Color is two toned, outside of the petals vermillion, reverse side old gold. The base of the flower is golden yellow. The plant is low growing and foliage glossy.

Shot Silk. Color orange-rose, overshot with golden-yellow and flushed soft rose, bud of beautiful shape, the open flowers cupped with reflexing outer petals, growth vigorous and free with beautiful foliage, a sweetly scented Rose of exceptional merit.



MRS. H. R. DARLINGTON

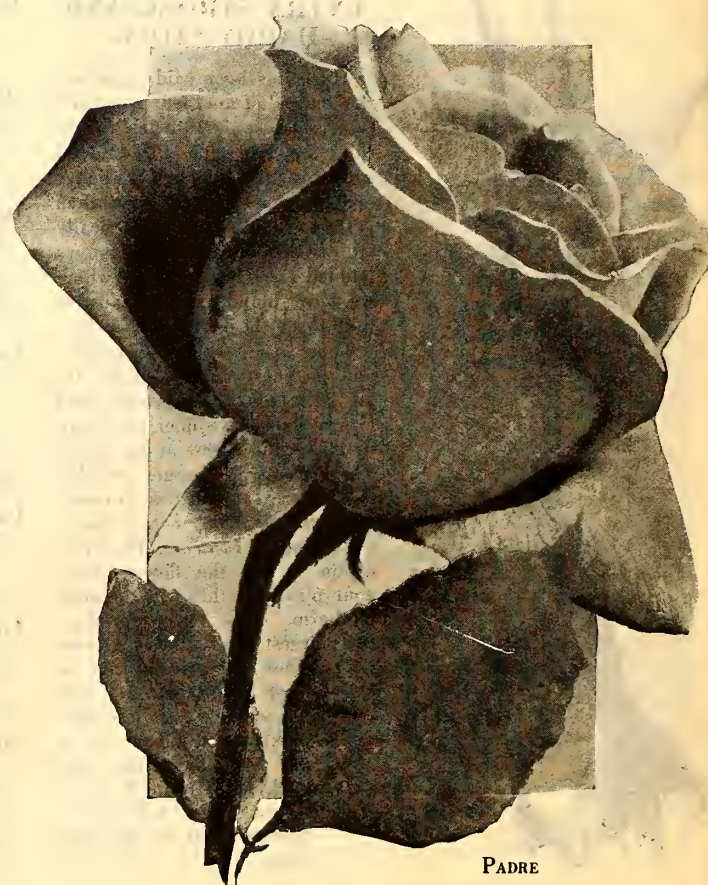
Souvenir De Claudius Pernet. Both bud and bloom are clear sunflower-yellow, unstained by any other color, and are attractively formed. As the flower ages, the outside petals become light sulphur-yellow. This rose performs best in hot, dry, bright weather. Flowers often appear in clusters. It is best to cut them when in bud form. A vase full of these glorious yellow blooms is like a bouquet of captured sunshine.

Souvenir De Georges Pernet. Produces massive blooms of deep carmine pink, often referred to as cochineal red but carmine pink we believe describes it better, yellow shadings at base of petals. Blooms when open measure 5 to 6 inches across.

Souvenir De H. A. Verschuren. A fine orange-yellow which we believe is far superior to Sunburst. Does not fade in hot weather and keeps well as a cut flower. Stems are stiff, carrying buds well above the heavy leathery foliage.

Una Wallace. This is without doubt one of the best of all pink roses and quite distinct from any other variety. A beautiful shade of soft cherry rose without any shading. It is a very strong grower and a free bloomer, has excellent foliage and perfect form. It is exceedingly fragrant and lasts well as a cut flower.

One each of the above 25 varieties by express collect for \$13.75; postpaid \$15.00.



PADRE

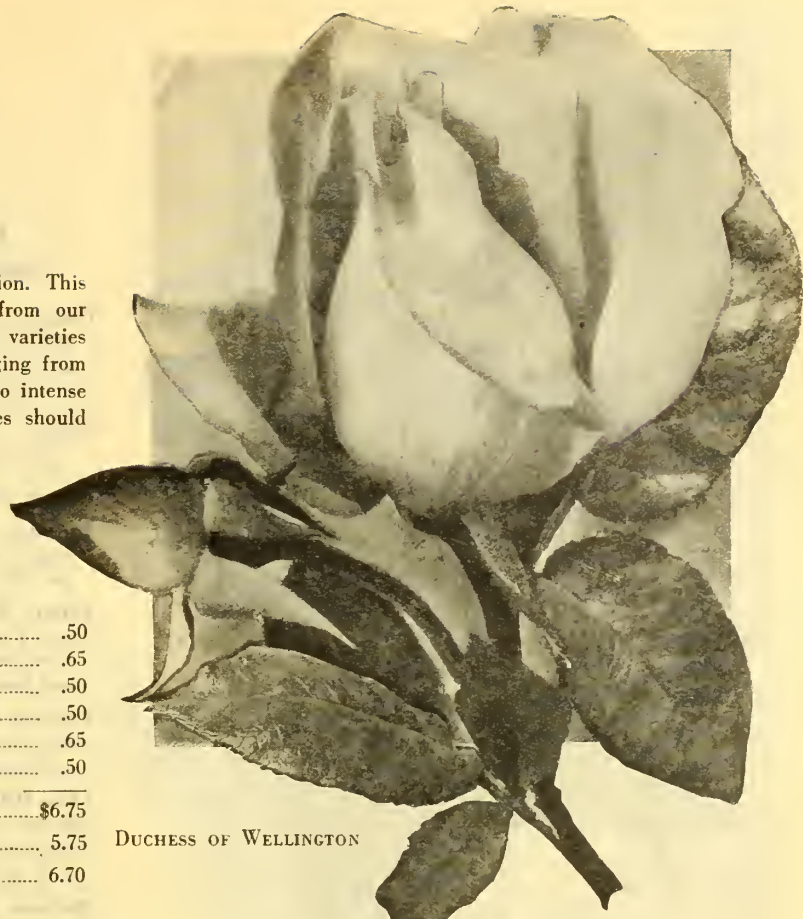
ROSES

California's Best

Germain's Famous Dozen Roses

We take special pride in our "Famous Dozen" Collection. This assortment contains twelve outstanding sorts selected from our entire stock. All are extremely vigorous, free flowering varieties in the twelve most desirable and distinctive shades ranging from creamy white through yellow, salmon, rose and scarlet to intense crimson. Where only twelve can be planted these roses should give you complete satisfaction.

Cuba. Scarlet and Orange.....	\$.65
Edward Mawley. Brilliant Scarlet Red.....	.50
Frau Karl Druschki. Pure White.....	.50
Hadley. Deep Crimson.....	.65
Lady Hellingdon. Deep Yellow.....	.50
Los Angeles. Flame Pink.....	.65
Mme. Butterfly. Salmon Yellow.....	.50
Mrs. Henry Morse. Cream Pink.....	.65
Radiance. Rose Pink.....	.50
Red Radiance. Bright Red.....	.50
Souv. De Claudius Pernet. True Yellow.....	.65
William F. Dreer. Yellow and Pink.....	.50
Regular price.....	\$6.75
Famous dozen price.....	5.75
Postpaid	6.70



DUCHESS OF WELLINGTON

GARDEN FAVORITES

These roses are the novelties of former years. There is nothing cheap about them but the price. Plants are grafted on hardy vigorous stock and will produce magnificent blooms continuously throughout the season. Many of the roses you have most admired are in this collection.

50c each by express, collect; postpaid, 60c each.

American Beauty. One of the best roses for the hot interior sections of the Western United States. Does magnificently in Arizona, Imperial section, etc. Throws especially fine, large blossoms during early fall and spring. Fragrant.

Cecile Brunner. This is the popular Baby Pink or "Sweet-heart" Rose. In the past year or two this Rose has fairly jumped into popularity. It has become quite the rage. It makes a handsome miniature rose, coming in sprays of three to five buds. Color, blush, shaded light salmon-pink; distinct and desirable.

Columbia. A rose which is popular with all cut flower buyers throughout America. In color a delightful shade of rose pink. In outdoor planting the bushes attain a moderate height and blossom freely through a long season.

Crimson Queen. Flowers bright velvety crimson, a strong grower, and a continuous bloomer. Fragrant, and fine for cutting. Buds long and pointed.

Duchess of Wellington. Saffron yellow stained crimson. As the flower ages it becomes a deep saffron yellow. Blooms fairly full, buds long and pointed, very free flowering.

Edward Mawley. Brilliant fiery red, color particularly bright in the Fall. The opening buds are shaded velvety crimson inside, double and fragrant.

Etoile De France or Star of France. A brilliant shade of clear red-crimson velvet, centering to vivid cerise; large flowers on long, stiff stems; remarkably vigorous. free-blooming and hardy, with bronze-green foliage.

Felicity. A rose of peculiar distinction and high quality. The large cupped flowers are very freely produced on bushes of strong vigorous habit, color a beautiful mallow pink, shading to cerise towards the edges of the petals, a rich warm and attractive shade. Particularly fine in the Fall.

Frau Karl Druschki or White American Beauty. An ideal hardy white rose, pure white in color. A remarkably vigorous grower. Free flowering to a degree. In our opinion, the best of all white roses. Very hardy.

Gen. Jacqueminot. An old time variety that is still finding favor. Rosy crimson, fragrant and hardy.

Gen. McArthur. One of the most popular and freest blooming of all red garden roses. Color is a bright rosy crimson. Especially valuable for bedding purposes. Fragrant. Sometimes inclined to fade in hot weather but nevertheless worth while.

George Ahrends or Pink American Beauty. This is the wonderful "Pink American Beauty." The growth and make-up of the plants is superb; the color an even satiny pink.

George Elger or Yellow Cecile Brunner. A counterpart of the popular Salmon Pink Cecile Brunner only the color is a clear lemon yellow. A popular yellow "Baby Rose."

Irish Elegans. A beautiful single bush rose of fine form, long and pointed. Color bronzy-orange to pink, shaded to apricot. An excellent rose for corsages.

Irish Fireflame. A very large, single flower of deep maddery orange, opening from spiral buds, passing to rich satiny, old gold veined with crimson.

Any of the above 50c each by express, collect; postpaid 60c

GERMAIN'S

Los Angeles - - - Since 1871

GARDEN FAVORITES—Continued

50c each by express, collect; postpaid 60c each



OPHELIA

Paul Neyron. Dark, lilac-rose blooms of immense size, fair form, very double, and remarkably fragrant. Quite vigorous, strong, almost smooth canes and tough, leathery foliage; a free and constant bloomer. Very hardy.

Isobel. Flowers of large size, single; scarlet-orange with clear yellow center and fading to a clear pink. A delightful rose in early summer and a continuous bloomer. Petal crimped at edges. The best of the single roses.

Jonkheer J. L. Mock. Enormous deep rose-colored blooms, equally beautiful in bud or open flower. Throws splendid canes. An ideal cut flower variety.

Juliet. A wonderful combination of orange, scarlet, salmon, gold, etc. By way of color it is one of the most sensational roses ever introduced. Hardy in all sections. Especially fine in early Spring and late Autumn.

Kaiserin Auguste Victoria. A free, healthy grower, with splendid foliage and superb buds. Pure white, occasionally tinted with cream at the center of the open flowers.

Lady Hillingdon. Slender, pointed buds and elegantly cupped flowers of deep saffron-yellow, paling toward the edges and becoming lighter as they expand; fragrant. The plant is erect, with perfect foliage.

Madame Butterfly. Light salmon with light yellow shadings, a perfect gem. Foliage leathery, stems strong, a fine variety for cut flower.

Mme. Abel Chatenay. Blooms light pink shaded salmon, a persistent bloomer. Foliage is rather small and bud of medium size growth rather spreading.

Radiance. Brilliant rose-pink buds, opening to well-formed shining flowers with lighter tints on the reverse of the petals; globular in shape and very fragrant. The plant makes splendid growth, has wonderful blooming qualities. It has no serious faults and is by all comparisons the most popular American Rose.

Red Radiance. An even better rose in habit than its parent, Radiance, bearing big, globular flowers of deep rose-red on strong, individual canes which are freely produced all summer until frost. Foliage excellent.

Rose Marie. Amongst the various roses which we have had under trial there are but few more meritorious than this magnificent American novelty. The buds are long and pointed, the petals large and well-rounded, and the open bloom ideal as to form. One of the finest roses we know of for cut flower purposes. The color is a delightful shade of pure rose pink.

Sunburst. A beautiful yellow suffused with orange at the center, buds and developed flowers of good form, sweet scented

Ulrich Brunner. Flowers bright cherry-red, large, full, and exceptionally long stemmed, very hardy.

William F. Dreer. The flowers, which are similar in shape to Los Angeles, and like that variety, beautiful in all stages of development, are at their best in the half-expanded flower. These, in expanding, are of a soft, silvery shell-pink, the base of the petals of a rich golden-yellow, which, at certain stages of development, gives a golden suffusion of the entire flower.

Winnie Davis. A beautiful free flowering variety not unlike Mrs. W. E. Egan. Outside of petals carmine-rose. Reverse shell-pink with outstanding veins. An easy rose to grow, should be in every garden. Stems long, foliage large and healthy.

Maman Cochet. Carmine-pink, double blooms of fine form and substance, creamy buff at the center. Spreading, wiry growth; free blooming and very hardy for a Tea Rose. Grows very large in favorable climates. Foliage never troubled by disease and a splendid fall bloomer.

Mme. Caroline Testout. Large, globular flowers of satiny rose, shaded lighter toward the outer edge of its enormous petals; fairly fragrant. Plant strong, and a persistent bloomer. The Rose that made Portland, Oregon, famous.

Mme. Edouard Herriott. The famous Daily Mail Rose. Winner of the \$5,000 prize at the International Horticultural Exposition held in London, England. Buds coral red shade with yellow at the base. Open flowers of medium size, when fully expanded they take on a superb coral red color.

Miss Lolita Armour. Burnished buds and copper flowers with a reddish orange tinge; fully double, cupped, and fragrant. The plant is strong but on account of the large flowers sometimes hangs its head.

Mrs. Aaron Ward. Delightful little buds of golden buff, opening to fully double, attractively shaped flowers of tawny gold with an agreeable fragrance. The plant is dwarf, spreading, with very healthy holly-like foliage, and always in bloom.

Mrs. Charles Russell. Blooms rosy pink long and pointed, stems long and stiff. A good cut flower variety. At its best as a greenhouse rose.

Old Gold. The tint is a vivid reddish-orange with rich coppery-red and coppery-apricot shadings. While the bloom is small it is exquisite in the bud, a fine corsage rose.

Ophelia. A rose which has made a record for itself as a cut flower variety, and is admired by everyone. It is perfect in form, large in size and of a most pleasing delicate tint of salmon flush with rose shadings.

ROSES

California's Best

New Climbing Rose

"The Clara Bow." This variety is a true climbing sport of Golden Emblem and is one of the most notable introductions of recent years. It is a true deep yellow, intensified by a coral flush extending upward from the base of the petals. The plant is exceptionally vigorous in growth and very free flowering.

Price: \$1.00 each; postpaid, \$1.10 each.

Six Rare Climbing Roses

The six sorts offered in this group enjoy an enviable popularity among rose lovers; while not all of recent introduction, they are always in great demand and usually scarce. Our ample stock this year is exceptionally fine and should be adequate for all reasonable demands.

Climbing Belle of Portugal. A new variety exceeding in beauty anything heretofore attained. Very vigorous grower, giving immense crops of bloom. Color a beautiful pearl pink.

Climbing Hadley. The well-known Rose now in a climbing form. Deep velvety-crimson, double, and buds are well-formed.

Climbing Hoosier Beauty. A new rose, being the climbing form of the popular hush variety. Big, torch-like blooms of vivid red, opening from glowing slender buds; quite double, with wide-spreading butterfly petals surrounding an exquisite center.

Climbing Los Angeles. The ever popular hush Los Angeles now in a climbing form with the same extreme beauty of its well-formed flowers, alike attractive in bud and bloom, shades of salmon-pink, apricot and orange almost impossible to describe.

Climbing Souv. de Claudius Pernet. An exact counterpart of the bush "Souv. de Claudius Pernet." Flowers are the same shade of sunflower yellow much enhanced by heavy leathery foliage which is practically disease proof.

Price: Any of the above, strong two year old plants, 65c each; 75c each postpaid.



Climbing Sunburst. A true Sunburst of vigorous climbing habit. An entrancing Rose of exquisite color—brilliant orange—yellow in center, paling to buff. A fine climbing yellow.

Favorite Climbing Roses

A splendid collection containing all the most desirable types, from the large double flowering Hybrid-teas to the single and rambler varieties. Do not judge these roses by the *extremely low price* charged. This price is made possible by the unusually large number of roses banded all of which are grown by Germain's in their own fields, and in no way reflects the high quality offered. All roses sent out by Germain's are strictly first grade, strong two-year-old, field grown bushes and none better can be bought anywhere at any price.

50c each by express, collect; postpaid, 60c each

Climbing American Beauty. A strong healthy vigorous grower, frequently making shoots from 10 to 12 feet long, and good sized flowers; color rich rosy crimson, of splendid form and good substance.

Climbing Cecile Brunner. One of the strongest growing Roses. Bright clear pink in color. Probably the most popular climber.

Dr. W. Van Fleet. A Rose, which on account of its dainty color and exquisitely shaded buds and flowers, has become a great favorite. The long pointed buds are of a rich flesh-pink on

stems 12 to 18 inches long; splendid for cutting. A strong vigorous grower.

Dorothy Perkins. Soft shell-pink, flowering profusely in large clusters, very fragrant and lasting, a grand Rose in every way, and one of the most popular varieties. Must be planted in full sun.

Climbing Frau Karl Druschki or White American Beauty. A new Rose destined to prove very popular. Flowers similar to the bush variety.

Climbing General McArthur. Bright crimson; notable for its fragrance. It blooms persistently, fine in autumn.

Climbing Kaiserin Augusta Victoria. Plants bloom throughout the season and the lovely white flowers are magnificent.

Climbing Lady Hillingdon. Identical with the bush variety. Long pointed buds of deep yellow, very free blooming.

NOTE—The varieties followed by a star () are not entirely hardy and will not stand cold winters in the mid-western and eastern states north of Virginia*

(Climbing Roses Continued on Next Page)

GERMAIN'S

Los Angeles - - - - Since 1871

Germain's Double-Budded Tree-Shaped Roses

Extra heavy heads **Strong 3 ft. stems**
Finest selection of varieties ever offered

To meet the ever increasing demand for our superior quality, California grown, tree shaped roses we have grown for this season a large stock of unusually fine specimen trees comprising twenty varieties among those best adapted for culture in tree form. Each specimen is heavily branched and double-budded on a strong, straight stem 3 ft. in height. This is the finest stock we have ever been able to offer at the lowest price we have ever made.

The vogue of tree roses, started in California a few years ago, is now quite general throughout the United States and tree shaped roses figure very prominently in the plan of modern gardens everywhere. Your garden too may boast a few of these modern, stylish tree Roses. This offer at our new low price makes them easily available to all.

Reduced Price \$2.00 each; 4 for \$7.75; 10 for \$17.50

Constance. Deep orange yellow splashed and streaked crimson.
Dame Edith Helen. Du Barri Pink. Intensely fragrant large buds.

Etoile De Holland. Large Dark Red Flowers. Extra strong stems.

Hadley. Rich red shading to velvety purple, fragrant.

J. Otto Thilow. Rich rose pink. High pointed buds.

Los Angeles. Flame Pink suffused yellow.

Margaret McCredy. Oriental or Turkish red, strong grower.

Mrs. Erskine P. Thom. Deep Sunflower Yellow. Does not fade.

Miss Rowena Thom. Deep pink, large blooms.

Oliver Mee. Deep Salmon, flushed Fawn.

Red Radiance. Deep Roy Red. Strong grower.

Rev. F. Page Roberts. Copper Red changing to yellow.

Rose Marie. Clear Rose Pink, without shading.

Souv. De Claudius Pernet. Sunflower Yellow. Glossy foliage.

Souv. De H. A. Verschuren. Orange Yellow, large firm buds.

The Queen Alexandra. Scarlet suffused Yellow, very showy.

Ville De Paris. Rich buttercup yellow. A profuse bloomer.

Wm. F. Dreer. Silvery Salmon Yellow, golden suffusion.

On each of the 18 varieties, \$30.00



Special Notice

Our Tree Roses are double budded on Ragged Robin stems. They make a vigorous growth and bloom freely. They require the same care as bush roses. Sucker growth appearing on the stem or near the ground should be removed.

How to Ship

The large size of our tree Roses makes shipment by parcel post impractical in dormant state. They are forwarded by express collect which costs little more and is much more satisfactory. Weight when packed; one plant about 10 lbs., 4 plants about 25 lbs.

New Tree Roses

Two Superb new varieties available now for the first time in tree form. The sorts mentioned below have created a sensation where-ever roses are grown and either or both would make your garden a mecca for rose lovers in your locality.

President Herbert Hoover. A color that has heretofore been thought impossible to produce in a rose. Blends and shadings of Cerise, Pink, Yellow and Orange. For full description see page 89.

Talisman. One of the most famous roses of recent years. It blends in harmonious contrast many shades ranging from coppery scarlet to yellow gold. For full description see page 89.

Price of the above \$3.00 each

Favorite Climbing Roses (Cont.)

Climbing Maman Cochet. No Rose we grow is so popular as Maman Cochet. Here we have an exact counterpart of that popular variety, except that it is a vigorous climber.

Climbing Mme. Caroline Testout. Beautiful glowing pink, identical flower with its parent namesake; a rampant climber.

Climbing Mrs. Aaron Ward. In cool seasons, and on first opening, it is rich, golden fawn, but in bright sunlight it quickly changes to soft pink and white.

Tausendschoen. Entirely distinct. The flowers are of a most soft pink when first opening, changing to carmine.

Paul's Scarlet Climber. No other Rose, in any class, can compare with this for brilliancy of color which is maintained until the petals fall. The flowers, a vivid scarlet, are of good size, semi-double, very freely produced in clusters of from 3 to 20 flowers each on much branched canes, the plants being literally covered from top to bottom with bloom. One of the most popular.

Silver Moon. Different from all other Roses, with beautiful semi-double flowers four and a half inches and over in diameter; pure white in color, petals of great substance, beautifully cupped.

Price: Any of the above favorite varieties, 50c each; 60c each, postpaid.

Ornamental Shrubs and Trees

(Please Read Before Ordering)

In the following pages will be found a fine collection of both Evergreen and deciduous Shrubs, Trees and Vines.

A few of these Ornamentals planted around your home will do much toward making your lawn and yard an expression of your feelings toward the beautiful.

Space prohibits the listing of all the varieties and sizes of plants we grow, and if the plant you have in mind is not listed in these pages, we will be glad to furnish information regarding size and prices upon request. All plants listed below are of gallon can size unless otherwise noted. Prices F.O.B. Los Angeles.

On most varieties we can supply specimen plants in 5 gallon size at additional cost.

If shrubs are to be sent by mail they have to be removed from the containers, and part of the earth removed from the roots. Deciduous Shrubs or Trees without foliage can safely be sent with all earth removed during the dormant period. If shrubs are wanted in containers, they should be sent by express or freight.

For shipments to distant points, freight is rather slow for perishable plants.

When ordering plants by mail, allow 3 pounds each for weight, adding postage to the total of your order.

When plants are sent by express and left in containers they will weigh about 9 pounds each.

On express shipments we recommend that shipment be sent collect, customer paying shipping charges on arrival.

Certain varieties of plants do not like to have their roots disturbed, therefore in some cases they can only be sent by express.

The public is invited to visit our nurseries and inspect our stock.

Abelia

Grandiflora. A free flowering shrub with small glossy green leaves. Flowers are tubular and almost an inch long, white flushed lilac pink. Blooms profusely and continuously all summer. Grows 8 feet tall and is extremely hardy \$.60

Acacia

The Acaciae are among the freest flowering of our hardwooded plants. Few pests trouble them; they are hardy; will grow in most any soil, but respond quickly to good care and especially to plenty of water in the summer months. All have yellow flowers.

Cannot be mailed. **Acacia baileyana.** This Acacia is one of the most strikingly beautiful of evergreen trees. The long sprays of lemon-yellow blossoms completely envelope the tree. Grows 25 feet tall \$.75

Acacia dealbata (Silver Wattle). Rapid growing large tree, with golden-yellow flowers. Grows 30 feet tall75

Floribunda. Ornamental, with very abundant handsome flowers, valuable for lawns, parks, etc. Height 25 ft.75

Melanoxylon. A well known black Acacia, now so much used for side-walk planting. Fine, strong plants; grows 40 ft. tall75

Aralia

Sieboldii. A dainty variety of Aralia with dark, glossy green foliage. It does best in partial shade. May be used also as a pot plant for interior decoration.75

Arbutus (Strawberry Tree)

Unedo. 8 ft. A bushy spreading, medium sized shrub with rich green foliage very similar to California Holly. Flowers followed by clusters of brilliant red strawberrylike fruits, ripening about Christmas time.75

Berberis (Barberry)

Fine ornamental shrubs of moderate size, having yellow flowers in spring. The leaves are prickly or holly-like, and vary in size with each variety. EACH

Aquifolium. "Mahonia aquifolium." 6 ft. Commonly known as the Oregon Grape. A handsome ornamental shrub with dark, lustrous, spiny-toothed green leaves; yellow flowers in dense clusters appear in the spring.75

Thunbergii Atropurpurea. A highly important introduction among shrubs, giving us for the first time a practical, easily grown shrub of medium height, with good distinctly red foliage. 1.00

Buddleia

Buddleia Asiatica. "Butterfly Bush." China. 9 ft. A fast growing plant with silvery green foliage, bearing in the winter, many slender spikes of deliciously fragrant white flowers. 3 to 6 inches long, easily grown.60

Magnifica (Butterfly Bush). A handsome flowering shrub with long spikes of minute rich purplish blue flowers. A splendid shrub for cutting purposes. The stems may be cut 3 to 4 feet long. The plant is quite hardy and extremely ornamental as a garden plant, aside from its value as a cut flower.60

Cotoneaster

Handsome shrubs; leaves somewhat small, glossy and of varying shades of green; flowers minute, usually white or pinkish white; berries varying from orange to bright scarlet. EACH

Pannosa. Branches long, slender and slightly arching. Leaves deep rich green above and covered with silvery down beneath. Berries vermilion red. The branches loaded with berries can be cut and kept in water for weeks.60

Franchetti. A recently introduced Cotoneaster, bearing during mid-winter, immense quantities of brilliant orange berries.60

Microphylla. Low, flat, spreading, bright glossy green, very attractive. Covered in April with masses of tiny pink flowers and in the fall with minute, brilliant scarlet berries.60

Crataegus

During Winter the plants are densely covered with small highly colored berries, which give them a very attractive appearance. EACH

Crataegus Crenulata (Crenulated). Foliage long, edges crenulated, glossy and dense; berries crimson.60

Crataegus Pyraeantha Lelandi. Strong upright grower; foliage larger than the preceding; berries large and profuse; bright orange color.60

Crataegus Yunnanensis (China). Spreading, almost prostrate habit; foliage somewhat larger than the type in general; masses of brilliant red berries; a very useful introduction.60



Buddleia

Callistemon

Callistemon speciosa. Pacific Islands. 10 ft. Commonly known as "Bottle Brush." The beauty of these plants lies in their long, red anthers, which, projecting along the stem, form a cylindrical flower similar in shape to a bottle brush. The shrub is hardy and of rapid growth.60

Camellia

Japonica. Probably the most admired and wanted shrub that we have today. The Camellia thrives best in partial shade and while it requires plenty of water, drainage must be good. Flowers are very waxy and foliage green.

Pink Perfection. Double flesh pink, the best of all Camellias.

Double Red. A very showy flower.

Rose Pink. This semi-double sort is the most fragrant of all.

Double White. A beautiful white waxy flower.

Strong Pot Crown Specimens averaging 18 inches in height \$2.50 each

Ceratonia

(Carob)

Ceratonia Siliqua. "St. John's Bread or Carob." 40 feet. Admirably adapted as a tree for ornamental avenue planting, or as single specimens. Beautiful trees with dense, glossy, evergreen foliage. It is long-lived, deep-rooted, does not become too large or straggly, and is a most satisfactory, permanent tree \$.75

Cedrus

The true Cedars are among the most beautiful evergreen trees and are particularly adapted to almost all of the Pacific Coast region. EACH

Cedrus Deodora. "Deodar." 50 ft. A magnificent and stately evergreen conifer of towering pyramidal form, from the Himalaya mountains. Foliage beautiful silvery green. 18 inch plants \$1.00
Large specimens—Prices on application.

Choisya

Choisya Ternata. "Mexican Orange." 6 ft. Leaves bright, glossy green. Blooms are snow-white, sweetly scented.75

Coprosma

Baueri. A splendid shrub of prostrate habit and brilliant, glossy green leaves. This is an ideal plant for banking against the bases of buildings, etc., or for covering banks. It is one of the handsomest of all foliage shrubs.50

Cydonia

Cydonia Japonica (Flowering Quince). Well known shrub with glossy foliage and brightly colored flowers which are borne in great quantities in the early spring. 1.00

Ornamental Shrubs and Trees---Continued

Cupressus (Cypress)

Arizonica. A handsome blue Cypress that makes a splendid specimen on account of its glorious color.....\$.50
Macrocarpa. Better known as the Monterey Cypress. A native of the seacoast around Monterey. The most desirable for a windbreak..... .50
Flats of approximately 100 plants suitable for setting out as a windbreak..... 2.75
Sempervirens. The litalian Cypress. Used for formal plantings, etc. Tall, columnar, and compact..... .50

Diosma

Ericoides. Often referred to as Breath of Heaven. Foliage exceedingly fine. Blossoms pure white, minute in character, but borne in great profusion. A shrub which should be in every garden..... .60

Dracaena

Indivisa. 20 ft. A tropical appearing plant with swordshaped arching leaves borne in a cluster at the top of the rather slender trunk..... .75

Erica (Heather)

Melanthera. 5 ft. The best known and most widely planted of the Heathers, and it is indeed one of the most beautiful and desirable of winter flowering shrubs75

Eucalyptus

Globulus. "Blue Gum." The most widely planted variety; a very rapid grower and valuable for fuel..... .60
Ficifolia. The Scarlet Eucalyptus. A dwarf tree and the showiest of all Eucalypti; bears quantities of flowers that vary in shades of red. A beautiful tree. Cannot be mailed..... .75

Eugenia (Brush Cherry)

Myrtifolia. A splendid, bushy, tall growing shrub, closely related to the Myrtle; can be trimmed to any desired shape. Very handsome..... .75
Hookeriana. Similar, but larger foliage, more spreading habit and purple berries. Needs more trimming to attain compact specimen, but makes a very attractive shrub especially when in fruit..... .75

Euonymus

Japonica. Easy to grow; glossy green foliage, stands heat or cold alike, attains a height of 8 feet.
Japonica Aurea Variegata. Golden Euonymus. Leaves beautifully variegated yellow and green. The finest variety grows 9 ft. tall.....\$.75
Pulchellus. A dwarf form fine for edging or where a small shrub is wanted; green leaves; grows 1 ft. high..... .60
Pulchellus Variegata. Same as the above except that the foliage is silver and green; a dainty border shrub..... .60

Genista (Broom)

Genista Canariensis. "Canary Broom." A free flowering shrub attaining a height of from 6 to 8 feet. The leaves are small and the bright yellow flowers are produced in great profusion..... .60
Genista Fragrans (Cytisus Racemosa). "Sweet Broom." 5 ft. A delightful spring and summer flowering shrub with many small grass-green leaves and absolutely covered when in bloom with pea-shaped bright yellow flowers..... .75
Genista Hispanica (Spartium Junceum). "Spanish Broom." Spain. 8 ft. A strong, fast growing shrub almost devoid of leaves. Bears almost continuously, large, pea-like, bright yellow flowers very sweetly scented. Hardy and drought resistant..... .60

Grevillea

Thelmanniana. Probably the most prolific flowering shrub we have. Foliage is needle like and flowers are a bright orange scarlet, almost completely covering the plant. Grows 5 ft. tall. Cannot be mailed..... .75

Hibiscus

Hibiscus Peachblow. This is a Hibiscus of intense beauty. The flowers are double; delicate rose with salmon shadings..... .75
Hibiscus Double, Crimson. This makes a splendid specimen or may be used in hedge form. Flowers are large size and very double..... .75
Hibiscus Single Scarlet. The showiest of all..... .75
Hibiscus Single Pink. Light pink, large flowered..... .75

Hydrangea

One of the most popular shrubs in existence and grown practically all over the world. Produces immense trusses of pink flowers. By the addition of iron to the soil in which they are growing the flower will take on a pale blue cast50

Lantana

Our collection of Lantanas if of the best and for continuous bloom very few subjects can compare with them. The low growing types are much in demand and are especially valuable for hedges and borders.

Gold Coin. Yellow. **Pink Queen.** Variations of Pink and white. **Radiation.** Orange scarlet, the best variety and the showiest. **Delicatisima.** A trailing sort, flowers deep lavender.

All above in gallon con 50c each; small plants in 2½ inch pots
15c each; \$1.50 dozen

Lagerstromia (Crepe Myrtle)

Indica. One of the handsomest of all deciduous flowering trees. Flowers are borne in large racemes at the tips of the new growths during the Early Summer. The color is a delightful shade of bright pink. When the trees are in bloom they are simply a mass of color. Strong plants. Grows 20 ft. tall.....\$1.00

Laurustinus

An easily grown shrub that is literally covered in spring with clusters of pinkish white flowers; also makes an excellent hedge. A sun loving plant..... .50

Lavendula (Lavender)

Vera. Foliage gray, leaves small, flower delicate Lavendula and whole plant very sweetly scented. Flowers when dried are used for sachets..... .50

Lemon Verbena

A hardy shrub that is noted for its delightfully fragrant foliage; bears minute white flowers tinged pink; fast growing and hardy..... .60

Leonotis (Lion's Tail)

Leonurus. A very showy soft wood shrub with hairy stems and brilliant orange-red, tassel-like flowers at the joints of the stems. Very fast growing and a novel, distinctive shrub. Blooms practically all spring, summer and fall..... .60

Leptospermum (Tea Tree)

Laevigatum. Large spreading shrub with grayish green foliage and arching habit; growth rapid. Covered in spring with small flat, white flowers; grows 12 ft. tall..... .75

Ligustrum (Privet)

Nepalense. This is the most popular plant for hedges, can be trimmed to any desired height. Flats of 100 plants, \$2.50; gallon cans..... .50
Golden Privet. Same as above in form with beautiful yellow and green foliage. Flats of 100 plants \$3.50; gal. cans..... .50

Myrtus (English Myrtle)

Communis. A splendid dwarf, evergreen plant suitable for borders or hedges, also of equal value if allowed to grow into specimens. Bears masses of fragrant pure white flowers..... .60
Communis Microphylla. Identical with the preceding, but with much smaller leaves. Compact growing and fragrant..... .60
Communis Variegata. A variegated form of the English or the Roman Myrtle. Leaves prettily variegated green and white..... .60

Nandina (Heavenly Bamboo)

Domestica. One of the most beautiful of all lawn specimens, or it may be treated as a potted plant for indoor ornamentation. The leaves take on rich Autumn colors in the Fall. Extra fine plants..... .75

Oleanders

These make beautiful specimens in a short time and are practically ever-blooming. They will stand several degrees of frost without injury. Available in the following colors. Rose pink, white, cerise and salmon..... .60

Papyrus (Umbrella Plant)

Alternifolius. A fine subject to plant around pools or in moist places. Each leaf stem made up of slender grassy leaves much the shape of an umbrella..... .60

Pampas Grass

A very ornamental plant bearing silvery white plumes; valuable for certain locations on lawn, among other shrubbery or around pools..... .60

Philadelphus (Mockorange)

Coronarius (Sweet Mockorange). Flowers pure white, very sweet, produced in great profusion..... .60

Phoenix (Date Palm)

Phoenix Canariensis. Graceful and hardy, with numerous leaves. Of slow growth in pots or tuhs, but grows rapidly in the ground, soon giving a tropical appearance; its beauty is much enhanced if planted in groups..... .75

Pinus (Pine)

Halapensis. This handsome Mediterranean pine tree is especially adapted to planting in California. It forms a dense growth, withstands drought to a marked degree. Owing to its value we have grown a very large stock of this variety75
Insignis. The well known Monterey Pine. A rapid growing variety with handsome, dark green needles..... .75
Canariensis. "Canary Island Pine." One of the most beautiful and permanent of all pines for California. Extremely long needles in large tufts. The new growth is silvery white. Extremely fast growing..... .75

Pittosporum

The bright glossy green foliage of the various Pittosporums, coupled with their delicately fragrant blossoms, placed them in the front rank of medium high garden shrubs. We offer two of the very best.

Undulatum. Handsome undulated foliage, light green in color. Flowers delightfully scented. Strong plants..... .60
Tobira. Dark green, glossy foliage. White fragrant flowers..... .60

Plumbago

Capensis. A tall growing, drooping shrub that is covered practically the entire year with sky blue flowers, does best in a sunny position..... .60

Punica (Pomegranate)

Punica Granatum Nana. Plants are very dwarf, compact, and bushy, and are almost always covered with bright red blossoms which present a beautiful and striking appearance..... .60

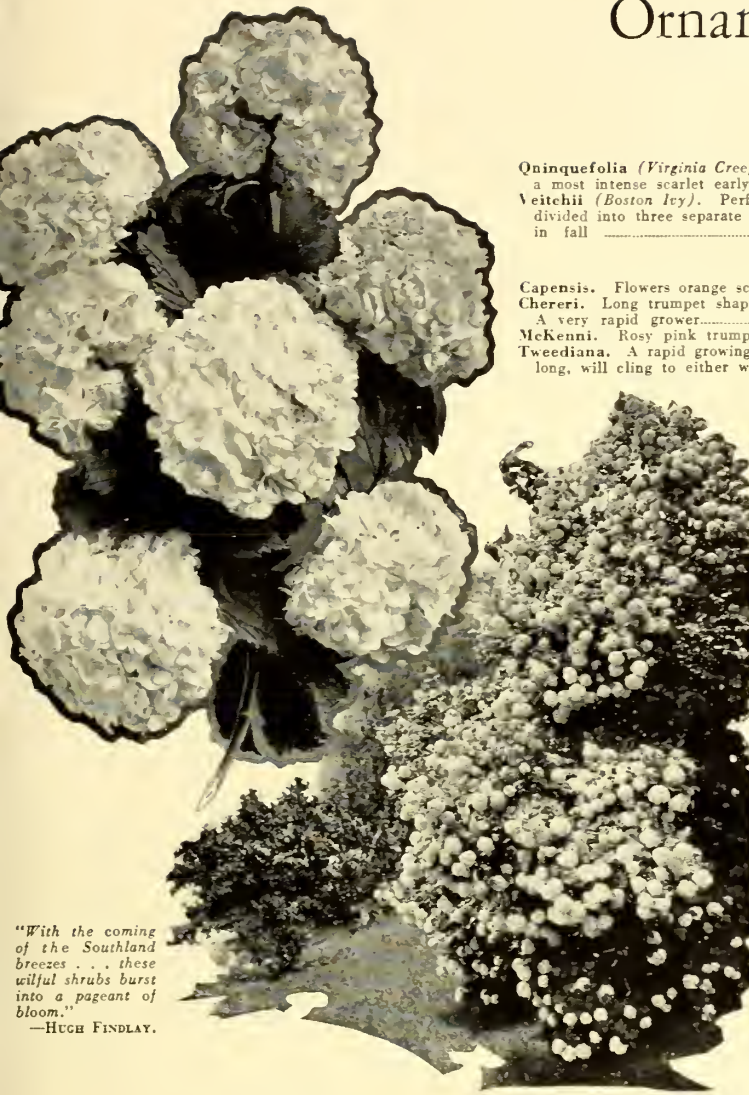
Rosemary

Officinalis. An exceedingly fragrant shrub or herb used both as an ornamental or for seasoning..... .50

Spiraea

Anthony Waterer. Dwarf but erect form, growing about three feet high. Flowers bright crimson, in flattened heads at ends of branches. Blooms about midsummer..... .60
Van Houttel. Branches arching and drooping with the weight of the flowers, which are borne so freely in Spring as to cover plant completely with a mass of snowy bloom. Very beautiful and extremely hardy..... .60

Ornamental Shrubs, Trees and Vines



"With the coming of the Southland breezes . . . these wilful shrubs burst into a pageant of bloom."
—HUGH FINDLAY.

Syringa (Lilac)

The Lilac will give the best results in fertile soil, moderately moist, but well-drained. Budded plants. Purple or white. . . . Each 1.00

Tamerix

Indica. A tall growing shrub with fine needle like foliage and feathery pink flowers. Extremely hardy.60

Athel. This is the Tamerix used so much for windbreaks; does well in the hot interior or near the coast. Cutting for windbreaks \$1.00 per 100.50

Veronica

Andersoni. Violet blue flowers 4 inches long, leaves dark green, closely set; growth compact; a fine shrub.50

Decussata. Rather dwarf. Leaves medium sized and closely set. Flowers large, violet blue. An excellent plant.60

Imperialis. Growth strong and rather spreading. Leaves large, dark green with purple margins and midribs. Flowers amaranth red. Very handsome.60

Viburnum (Snowball)

Opulus Sterile. The well-known eastern Snowball does equally well in California, blooms in the early spring, beautiful white flowers.75

Weigela (Diervilla)

Rosea (Pink Weigela). Flowers are light pink, compact grower free bloomer.75

Eva Rathke. Same habit as above. Flowers dark red.75

Ampelopsis

Quinquefolia (Virginia Creeper). Very well known. Leaves large with five leaflets. Foliage colors a most intense scarlet early in the fall. \$.60
Veitchii (Boston Ivy). Perfectly distinct from Virginia Creeper. Leaves on very young plants are divided into three separate leaflets, but on older plants are merely three-lobed. Foliage turns red in fall.60

Bignonia

Capensis. Flowers orange scarlet; leaves glossy green; can also be used as a shrub.75
Chereri. Long trumpet shaped flowers 4 inches long; color blood red, shaded yellow at the base. A very rapid grower.1.00
McKennai. Rosy pink trumpet flowers borne in loose panicles, growth vigorous.75
Tweediana. A rapid growing clinging vine that bears quantities of canary yellow flowers two inches long, will cling to either wood or stone.75

Radicans. Very hardy and fast growing. Flowers orange scarlet. This variety drops its leaves in the winter but is best for cold sections.60

Bougainvillea

Braziliensis. A most admired vine. Flowers reddish purple; completely cover the vine during summer and fall. Tender in cold sections.75

Crimson Lake. A wonderful variety similar to above in habit. Flowers are a beautiful shade of crimson lake or brilliant brick red. The finest of all. Stock very scarce.2.00

Note: Bougainvilleas should be shipped in containers and sent by express only.

Ficus

(Trailing Fig)

Repens. Extremely handsome evergreen climber with about same habit as the well known Boston Ivy. It adheres closely to walls by its clinging tendrils. Leaves are small, dark green and heart-shaped. Perfectly hardy. Plants in pots. \$2.00 dozen.20

Ivy

English Ivy. The well known species with very dark green, leathery leaves, usually about five-lobed. Gallon cans 60 each. Small plants \$1.50 doz.15

Jasmine

Officinale. Slender vine with finely divided pinnate leaves and numerous small, white, fragrant flowers. Summer bloomer. Partly evergreen.75

Primulinum. A recent and very valuable introduction. It is not only the fastest growing Jasmine, but the quickest growing climber. Flowers clear primrose yellow.60

Revolutum. Rich golden yellow flowers semi-climber; can be used as a shrub or vine. Especially suited for growing on arbors and fences.60

Lonicera (Honeysuckle)

Halliana. Growth extremely strong. Old leaves dull green. New growth is reddish purple on branches and backs of leaves. Flowers white inside, purplish outside. One of the very best vines where rapid growth and a dense mass of foliage are desired.50

Sempervirens Fuchsoides. A rare form of honeysuckle seldom seen. Flowers are rosy red shaded yellow and blend with the striking greenish red foliage to make a beautiful vine. Stock very scarce.1.00

Muehlenbeckia (Maiden Hair Vine)

A very graceful vine with foliage very much like the Maidenhair Fern. Sometimes nicknamed Wire Vine. Flowers very small and waxy.60

Vinca

Vinca Major. "Periwinkle." Bright blue, flowering, evergreen trailer for banks, borders, hanging baskets, window boxes, etc. Covers ground rapidly. In 2 1/4 in. pots. \$1.50 dozen.15

Wistaria

One of the prettiest climbing vines. Has long racemes of pea shaped flowers that almost cover the plant in early Spring. Grafted plants in white or purple.1.50

FERNS

Asparagus Ferns

Plumosus. Used extensively for mixing with cut flowers, grows best in the shade, responds to good rich soil. \$2.00 dozen.20

Sprengeri. Used for hanging baskets, etc. \$2.00 dozen.20

Sword Fern

A great favorite for outside planting as well as for pot culture. \$2.00 doz.20

Woodwardia Fern

The Giant Brake or mountain fern grows to a height of 6 feet; requires a most shady place for best results.50



GERMAIN'S EXHIBITION IRIS COLLECTION

Eight Superb Modern varieties rich in shades of bronze, rose and yellow.

Dream (upper left) Lilae Pink, deeper falls, Orange beard flower, frilled 50¢ each
Virginia Moore (lower left) Bright Yellow with Golden Yellow falls 50¢ each

Arnols (upper center) Bronze and Wine Purple 25 ¢ each
Rhein Nixe (middle center) White and Plum Violet 25¢ each
Conquistador (lower center) Light Blue and Mauve 60¢ each

Lent A. Williamson (upper right) Lavender and Pansy Violet 50¢ ea.
Knysna (center right) Yellow and Red Brown 50¢ each
Nancy Orne (lower right) Fawn Pink and Rose Purple 35¢ each

Entire "Exhibition Iris" Collection \$2.75 Postpa'd.

GERMAIN'S IRIS

We have under cultivation a large number of the finest Iris grown. We have tested in our growing fields several hundred varieties and the selection we now offer contains only those which we have found to possess outstanding merit. Our listing has been made as comprehensive as possible, but without needless duplication. The modern Fleur-de-lis is very far removed from the purple flag of old gardens. The newer introductions are magnificent in size and reveal a beauty of form and coloring which has aroused the enthusiasm of amateurs everywhere.

We strongly urge all flower lovers who have not become acquainted with these superb new strains to choose from the varieties described in these pages as many as their garden space will hold. They will repay the small outlay many times over.

Iris Germanica

(German Iris or Fleur-de-Lis)

It is in this group that many of the greatest modern Iris are found. The structure of the flowers is Orchid-like in beauty and texture and their wonderful range of colors embraces all shades from pure white through delicate shades of Mauve, Old Rose, Lavender, Pale Yellow to Fawn, Bronze, Mahogany, Purple and Deep Blue. They succeed in any open, well drained, sunny location, with the rhizomes just covered with soil and require little care or attention. Where abbreviations are used in descriptions "S" is for standards or upper petals, "F" for falls or lower petals.

Afterglow. Pinkish lavender grey shading to buff style arms and rich yellow halt. 36 in. 35c each; 3 for \$1.00.

Albert Victor. Light Violet. A tall vigorous grower. fine for tall plantings. 40 in. 20c each; 3 for 50c.

Alcazar. S. mauve, F. dark purple. The bronze and yellow at its center add beauty to this vigorous well branched variety. 36 in. 35c each; 3 for \$1.00.

Amas. An extra large flower. S. lavender blue. F. violet. 30 in. 20c each; 3 for 50c.

Ambassadeur. A wonderful iris. Tall and branching. S. bronzy violet; F. dark velvety maroon, orange beard. 36 in. Late blooming. 50c.

Archeveque. S. deep violet; F. raisin purple. A beautiful color combination. Sometimes blooms in late fall as well as in spring. 24 in. 35c each; 3 for \$1.00.

Arnols. A medium grower. S. bronze; F. purple. 24 in. 25c each; 3 for 70c.

Autocrat. S. bright clear blue; F. rich dark velvety blue shading lighter at the edges. Very attractive. 30 in. 35c each.

Avalon. An exceptionally large satiny pinkish lavender of fine shape and substance. Very vigorous, well branched and tall. Blooms over a long period. 36 in. 75c each.

Berchta. An unusual shade of olive buff. Falls slightly darker. 24 in. 25c each; 3 for 70c.

Blue Jay. Neither a purple or a blue, but a very striking shade of bluish purple. 30 in. 25c each; 3 for 70c.

Bravura. A seedling of Conquistador and Lent A. Williamson from which it has inherited its great vigor. The flowers are large and well placed on strong stems which are well branched. Color a beautiful shade of deep rosy lilac. 40 in. \$1.00 each.

B. Y. Morrison. S. pale lavender violet; F. velvety raisin purple with broad lavender border. Very striking. 30 in. 35c each; 3 for \$1.00.

Candelabre. S. lilac; F. pale blue veined with purple. 30 in. 25c each. 3 for 70c.

Caprice. Chinese purple with reticulations of white and deep purple. A perfect gem. 24 in. 25c each; 3 for 70c.



IRIS
GERMANICA

The Fleur-de-lis, or national flower of France, is referred to by American flower lovers, as the "Orchid of the Hardy Garden."

Caterina. A superb variety and a giant in height and size of flowers. Grows 40 in. tall. Color pale lavender blue. A fine iris for a tall planting. 25c each; 3 for 70c.

Col. Candelot. Flowers of unusual red tone. S. bronze overlaid with a reddish lavender; F. dark rich velvety crimson. 36 in. 35c each; 3 for \$1.00.

Conquistador. A tall vigorous grower with fine foliage. The size and height makes it an outstanding feature in any garden. Flowers are very large and a beautiful shade of deep mauve. 40 in. 60c each; 2 for \$1.00.

Corrida. A tall variety that is easy to grow and free flowering. Color can be best described as a deep sky blue. 36 in. 25c each; 3 for 70c.

Crimson King. An old variety that is very popular—color a vivid shade of crimson purple. Blooms several times each year. 24 in. 20c each; 3 for 50c.

Darius. S. rich canary yellow; F. lilac with paler edges. A beautiful combination. 18 in. 35c each; 3 for \$1.00.

Dejazet. A beautiful color. S. bronzy rose; F. sepia brown. 24 in. 50c each.

Deuil de Valery Mayet. S. coppery rose; F. deep bronzy red, an unusual color. 24 in. 35c each; 3 for \$1.00.

Don Quixote. A variety that produces immense flowers. It is a strong grower and produces flower stems that average 42 in. tall. The standards are deep lavender almost overlaid yellow, the falls are deep violet with a heavy brown venation on a yellow ground, style arms buff, and beard orange. \$2.00 each.

Iris Germanica (Continued)

- Dora Langdon.** S. honey yellow; F. pale rose purple, conspicuous orange beard. 24 in. 50c each.
- Dr. Bernice.** S. copper bronze; F. rich crimson. A very beautiful flower. 24 in. 35c each; 3 for \$1.00.
- Dream.** A much wanted color. S. lilac pink; F. slightly darker, orange beard, perfect form and substance. Flower crinkled, long blooming, and orchid like. 36 in. 50c each; 3 for \$1.25.
- Ed. Michel.** A tall ruffled flower of red purple, the tallest and best in the color class. Very showy. 36 in. 35c each; 3 for \$1.00.
- Eldorado.** S. yellowish bronze shaded with heliotrope, falls bronze overlaid with blue. 25c each; 3 for 70c.
- Florentina.** A beautiful shade of Azure blue. The true iris root. 30 in. 25c each; 3 for 70c.
- Florentina Alba.** White tinged lavender, very early, fragrant and free flowering. 24 in. 20c each; 3 for 50c.
- Fro.** S. mustard yellow; F. oxblood red, vigorous and free flowering, one of the best variegates. 24 in. 35c each; 3 for \$1.00.
- Grapta.** S. yellowish brown; F. are a deeper shade. A free flowering and distinct sort. 24 in. 35c each; 3 for \$1.00.
- Gypsy Queen.** S. bronze; F. deep purple, reticulated at the base, a showy variety. 24 in. 25c each; 3 for 70c.
- Her Majesty.** S. rose pink; F. rose pink veined darker. 24 in. 35c each; 3 for \$1.00.
- Hiawatha.** S. pale rose lavender; F. purple. Late flowering. Fine for mass planting. 20 in. 35c each; 3 for \$1.00.
- Honorabilis.** S. golden yellow; F. rich deep brown. Especially fine for massing. 18 in. 25c each; 3 for 70c.
- Innocenza.** A large pure white flower, color is solid throughout. 24 in. 25c each; 3 for 70c.
- Iris King.** This variety is also listed as King of Iris which indeed it is, S. golden yellow; F. velvety garnet, edges yellow. Often blooms in the fall. 24 in. 35c each; 3 for \$1.00.
- Isolene.** S. silvery lilac flushed yellow; F. purplish old rose. A large flower of unusual color. 36 in. 25c each; 3 for 70c.
- Jacquiesiana.** S. coppery crimson; F. deep reddish purple. A showy flower. 24 in. 25c each; 3 for 70c.
- Jeanne D'Arc.** An extremely dainty flower which blooms over a long period. Color white with light lavender frilled edges. 30 in. 25c each; 3 for 70c.
- J. J. Dean.** A beautiful variety that has large flowers and is a tall grower. The coloring is very vivid. S. light violet; F. velvety royal purple. 36 in. 50c each.
- Juanita.** A fine tall violet blue, darker than Pallida Dalmatica. One of the tallest of the bearded irises. 42 in. 35c each; 3 for \$1.00.
- Knysna.** S. clear yellow; F. velvety red brown. An unusually pretty flower. 30 in. 50c each.
- Kharput.** S. violet blue; F. velvety dark blue. 30 in. 20c each; 3 for 50c.
- Lady Foster.** A flower of large size, smooth texture and excellent substance. Fragrant and free flowering. One of the noblest lavender blues. 36 in. 35c each.
- Leonadis.** A handsome tall pallida type. S. clear lavender; F. several shades deeper and hugging the stem, making the form an unusual but attractive one. Very large flowers. 36 in. 25c each; 3 for 70c.
- Lent A. Williamson.** S. Lavender violet; F. velvety pansy violet. Large flower of perfect form and substance, beautiful golden beard. One of the finest of irises. 30 in. 50c each.
- Lohengrin.** A soft shade of catleya rose and silvery lavender. Very showy. 30 in. 25c each; 3 for 70c.
- Loreley.** S. honey yellow; F. ultramarine blue with cream border. Very showy. 24 in. 25c each; 3 for 70c.
- Loute.** Lavender and wine purple, dashed and striped with bronze and orange. Flowers large. 25c each; 3 for 70c.
- Lycaena.** An odd color combination. S. white; F. rich purple with paler margin making an attractive contrast. 24 in. 35c each.
- Mady Carriere.** A pleasing flower of pastel shades, delicate metallic blue overlaid yellow. 36 in. 50c each.
- Magnifica.** A huge flower. S. light violet blue, F. red violet. A grand variety and a vigorous grower. Early. 40 in. 50c each.
- Marion Mohr.** A beautiful finished flower of soft glistening lavender, quite distinct and very desirable for dry plantings. 36 in. 50c each.
- May Queen.** One of the finest colors in irises and one of the most popular sorts. A charming lilac pink. 24 in. 25c each; 3 for 70c.
- M. Austin.** Bright wine red, tinged yellow. A fine color. 24 in. 35c each.

GERMAIN'S

Los Angeles - - - - Since 1871

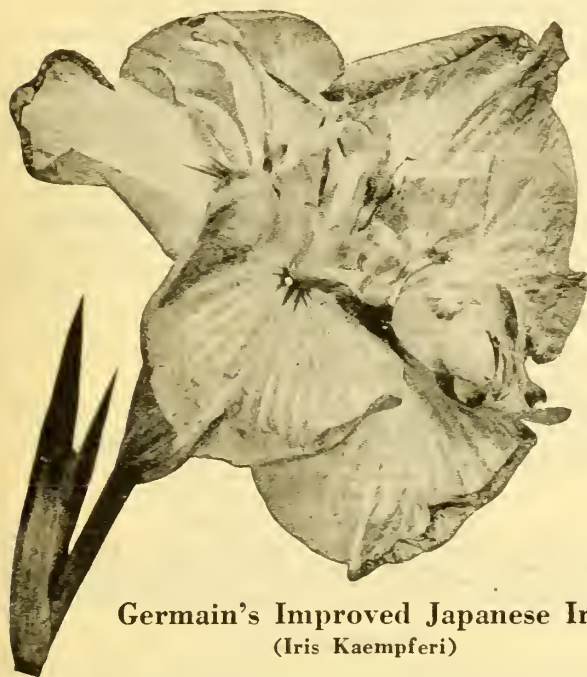
- Medrano.** A remarkable shade of bronzy scarlet overlaid with blue and flaked with lavender and buff. 24 in. 50c each.
- Mesopotamica.** An exceptionally large flower of lavender violet on tall stems which reach a height of 4 feet. 60c each.
- Mme. Blanche Pion.** S. bronze yellow, F. lavender blue with a silver margin. 30 in. 25c each; 3 for 70c.
- Mme. Chereau.** Standards and falls pure white daintily edged with light blue. An attractive color and fine for mass plantings. 24 in. 35c each; 3 for \$1.00.
- Mme. Cheri.** One of the finest blended tones, the color being a violet pink with a yellow undertone. At a distance the effect is rich pink. Stems strong. 40 in. 60c each.
- Mme. Durrand.** An iris that is in a class by itself. Color iridescent buff, flushed with lilac and amber. The flowers have a glistening silky texture and are extra large. 48 in. \$1.50 each.
- Mme. Gaudichau.** S. Bradley's violet, F. brilliant blackish purple. An unusually dark velvety bicolor of fine shape and substance. Growth rampant. 36 in. 50c each.
- Midwest.** An attractive ruffled variety of fine form. The entire flower is flushed and peppered bright rose on a white background. The best of its class. 30 in. 35c each.
- Mithras.** S. yellow, F. violet carmine with narrow edge. Fine for borders. 24 in. 35c each; 3 for \$1.00.
- Monsignor.** A distinct blush violet overlaid with brownish purple. Flowers large. 24 in. 25c each; 3 for 70c.
- Mother of Pearl.** As the name indicates, the colors of this beautiful iris are the iridescent shades of mother of pearl. The flower is large and of excellent substance. 40 in. 35c each; 3 for \$1.00.
- Mount Penn.** S. lavender rose; F. crimson lilac. General effect deep rose pink, golden beard. 24 in. 35c each.
- Mrs. H. Darwin.** S. snow white; F. white edged violet, very unusual. 30 in. 20c each; 3 for 50c.
- Mrs. Neubrunner.** Standards and falls rich clear golden yellow. Considered the best of all yellows. 35c each; 3 for \$1.00.
- Nancy Orne.** A large rose purple flower giving the effect of a lovely fawn pink. Growth vigorous. 35c each; 3 for \$1.00.
- Navajo.** S. honey yellow, F. deep maroon veined cream. 20 in 35c each; 3 for 70c.
- Niebelungen.** S. fawn, F. violet purple with fawn margin, well branched, rampant growth. 30 in. 35c each; 3 for \$1.00.
- Nimbus.** An extra large flower. S. light lobelia violet with darker edges, F. velvety black purple. Fragrant. 30 in. 50c each.
- Nine Wells.** S. lavender violet, F. velvety pansy violet. Tall, late, free flowering. 40 in. 35c each; 3 for \$1.00.
- Nuee d'Orange (Storm Cloud).** S. grayish lavender, F. light lavender, overlaid bronze, an odd color effect. 30 in. 25c each; 3 for 70c.
- Opera.** S. coppery brown shot with purple, F. wine red, base of petals bronzy maroon penciled with gold. 24 in. 60c each.
- Oriflamme.** An extra large bloom, S. rosy lavender, F. hortense violet. 30 in. 20c each; 3 for 50c.
- Othello.** S. deep rich blue, F. dark velvety purple. 36 in. 20c each; 3 for 50c.
- Pallida Dalmatica.** S. clear lavender blue, F. deep lavender. Very large. 40 in. 20c each; 3 for 70c.
- Parisiana.** S. netted and dotted lilac on cream ground, F. cream white edged lilac purple. 30 in. 50c each.
- Phyllis Bliss.** Lavender mauve with a touch of rosy lavender. Large flowers, fine form, free flowering and vigorous. 36 in. 50c each.
- Prince Lohengrin.** A light mauve pink that is pinker than Lohengrin, grows a foot taller than its name parent. A wonderful flowering and vigorous variety. 40 in. 50c.
- Princess Victoria Louise.** S. sulphur yellow, F. rich plum. Edged primrose. Very showy. 20 in. 25c each; 3 for 70c.
- Prosper Laugier.** S. light bronze with a pink flush, F. velvety crimson with a warm yellow center. 24 in. 25c each; 3 for 70c.
- Prospero.** A gorgeous flower of large size and fine form on a tall erect stem, free flowering and vigorous. S. pale lavender flushed yellow at the base, F. red purple with light shading at the margin. 40 in. 50c each.

IRIS

California's Best

Iris Germanica (Continued)

- Quaker Lady.** S. smoky lavender, F. same color overlaid orange buff, light yellow beard. An exquisite blend, vigorous. 30 in. 35c each; 3 for \$1.00.
- Rhein Nixe.** S. white, F. pansy violet bordered bluish white, an odd and beautiful combination. Growth vigorous. 30 in. 25c each; 3 for 70c.
- Rita.** A beautiful clear blue purple of good size, wonderful stems, branching almost from the ground. Floriferous, vigorous and early. 36 in. 50c each.
- Seminole.** A brilliant velvety light red purple with a bright orange beard. 30 in. 50c each.
- Shekinah.** Pale lemon yellow deepening towards the center. Fine form and growth. 35c each; 3 for \$1.00.
- Sherwin Wright.** Flowers an even shade of bright golden yellow, good form and free flowering. One of the finest varieties for a border. 20 in. 25c each; 3 for 70c.
- Soledad.** This is in our opinion the finest yellow iris. It is intensely fragrant and the first iris to flower in the spring. S. honey yellow, F. amber yellow. Awarded certificate of merit A. I. S. 30 in. 50c each.
- Sunset.** The standards of this lovely iris are like cloth of gold, falls are same suffused blue violet. Fragrant and a strong grower. 30 in. 75c each.



Germain's Improved Japanese Iris
(Iris Kaempferi)

Japanese Iris are very easily grown and form a striking permanent feature, either grouped in single beds, in the perennial border or at the edge of a pool or lily pond. Before planting enrich the soil and spade to a depth of 12 inches. They require a liberal amount of water, especially during the blooming season.

- Iso-No-Nami.** A suffusion of rose and blue over white.
- Koko-No-Iro.** Royal purple with yellow center, netted.
- Mahogany.** The best of all Japanese Iris. Dark maroon, purple or mahogany red, late flowering.
- Moniji-No-Taki.** Rosy crimson feather in white, double.
- Purple and Gold.** Large double purple flowers, gold in center.
- Uchiu.** Caerulean blue with golden center and white halo.

Any of the above in strong field divisions 50c each
\$5.00 per dozen

Mixed Japanese Iris. 35c each; \$3.50 per dozen.

- Valencia.** A beautiful bright orange buff. The flowers are of good form and excellent substance. 30 in. \$1.50 each.
- Virginia Moore.** S. bright yellow, F. same color. A fine yellow for borders. 24 in. 50c each.
- Yellow Moon.** An amber yellow of fine form and substance on stout erect stems, very free flowering. 36 in. 75c each.
- Zwanenberg.** An unusual flower, large, very early. S. deep cream blotched greenish buff, F. chamois to olive brown. Does equally well in sun or full shade, free flowering. 20 in. 35c each; 3 for \$1.00.

Beardless Iris

This group of Irises require a moist rich soil, but can, however, stand a summer rest and drying out.

- Ochroleuca.** A tall growing variety which is one of the most glorious of irises. The blooms are creamy white with a golden yellow center. This type should be planted in fall for best results. They bloom after the bearded varieties and are fine for cutting. Height 4 ft. 35c each; 3 for \$1.00.
- Monnieri.** A very handsome rich golden yellow flower of striking beauty, quite hardy. Height 4 ft. Should be planted in fall. Fine for cutting. 50c each.
- Stylosa.** (Winter blooming.) Plants are low growing with long grass-like foliage. Flowers deep sky blue with orange tongue, very fragrant. On the Pacific Coast it begins blooming in September and continues throughout the winter. Best planted in early spring. 25c each; 3 for 70c.
- Fetidissima.** This variety is grown for the handsome orange colored seed that is produced in pods which follow the blue and lilac flower. The pods are very attractive on the plant or in vases. The plant does best in partial shade. 30 in. 25c each; 3 for 70c.

PERENNIAL PLANTS AND ROOTS

Michaelmas Daisies

These are among the showiest of our hardy garden plants producing a wealth of bloom during September, October and November, a season when most other hardy flowers are past. For best effect plant in masses of one variety. They grow freely in most any soil.

Climax. Lavender Blue grows to a height of 3 to 4 ft. One of the largest flowering sorts.

Mauve Cushion. Entirely distinct, forms a cushion-like plant 2½ feet across and seldom grows over a foot in height. Flowers are delicate Mauve with silvery reflection and completely cover the plant. Fine for planting in rockeries.

Roseum. Similar to climax in form, grows to a height of 3 ft. flowers deep rose pink, very showy.

White Climax. Pure white, grows to a height of 3 to 4 ft. Free flowering.

Price: Any of the above 25c each; \$2.50 per dozen.

Liatris

Pycnostachya. This beautiful perennial is perhaps better known as Gay Feather or Blazing Star. A very showy perennial that produces quantities of rosy purple flower spikes, admirably adapted for cut flowers. Succeeds anywhere. 35c each; \$3.50 per dozen.

Morea

Grandiflora. Handsome bulbous plants from the Cape of Good Hope. They are allied to the Iris and require the same treatment. The flowers resemble the Iris somewhat, but the standards are absent. In color they are white, shading to a light golden yellow in the center and with occasional touches of purple. Fine for planting around pools. 35c each; \$3.50 doz.

Perennial Plants and Roots (Cont'd)

No class of flowering plants has gained such widespread popularity in recent years as the perennials. A perennial border if well arranged will be a gorgeous show of color from early spring until frost. The following list contains many varieties that are rare and not generally known to flower lovers, but which will be found well worthy of a place in your garden.

Agapanthus

Umbellatus. Sometimes known as the Blue African Lily. Its strap-like leaves 2 feet long form a dense mass, above which are borne large clusters of bright blue lily-like flowers. 25 to 50 blossoms are generally found in each cluster. Strong divisions 35c each; \$3.50 per dozen.

Alstromeria

Chiliensis or Peruvian Lily. Here is a subject that should be in every garden. We have had it on trial for the last two years and visitors to our growing grounds were amazed at its beauty and free flowering qualities. It blooms continuously from May to September. The plants grow about 2 feet tall, each flowering stem coming directly from the ground. Two year old plants with us have produced as many as 80 flower spikes in a single season. Color, Buttercup yellow streaked with brown. 8 to 10 blossoms are borne on each spike giving the appearance of a miniature Amaryllis. Hardy in warmer regions but should be protected in the colder sections. Easy to grow. 35c each; \$3.50 per dozen.

CANNAS

Cannas are the most easily grown and most useful bedding plants we have. They thrive in any soil, but respond quickly to good treatment. Spade the Canna bed to a depth of 2 feet, incorporating any fertilizer that may be handy, and keep the plants well watered. The results will be surprising. The following varieties have proved successful in every way:

Enchantress. Unapproached in quality or beauty. Color a delicate old rose passing to light salmon as the flowers age. 4½ feet. 35c each; \$3.50 dozen.

The President. The greatest red canna. It is neither a crimson nor a scarlet, but a glowing pure red which colorists call vermilion. Green leaves, 4½ feet. 25c each; \$2.50 dozen.

The Ambassador. Appropriately referred to as the "Bronze Leaved-President," a wonderfully vigorous free-flowering brilliant cherry red. 5 ft. 25c each; \$2.50 dozen.

Cheerfulness. Its name aptly describes the lively beauty of this charming variety. Bright fiery deep orange florets which are broadly bordered golden yellow. The large trusses are carried very erect over the massive foliage and are produced in great profusion. 4½ ft. 25c each; \$2.50 dozen.

Hungaria. An ideal pink bedder, flowers large in good sized trusses produced very freely, color a beautiful clear rose. 3½ ft. 25c each; \$2.50 dozen.

Carmine Beauty. Bright deep carmine flowers produced freely in large trusses well above the heavy dark green foliage. 4 ft. 25c each; \$2.50 dozen.

Dazzler. Masses of fire-red flowers heightened by an orange suffusion completely cover the dark green foliage of this splendid and most effective variety. 3½ ft. 25c each; \$2.50 dozen.

Uhlberg. Entirely distinct. The flowers expand very fully and are of a soft rosy carmine, the throat of the flower is of a creamy yellow as are also the edges of the petals. 4½ ft. 25c each; \$2.50 dozen.

Meteor. The rich crimson-red flowers form immense trusses of great beauty. They are borne well above the foliage and are produced in the greatest profusion. Green leaves. 5 ft. 15c each; \$1.50 dozen.

La France. A beautiful shade of La France rose with a touch of cream in the throat. Green leaves. 4 ft. 15c each; \$1.50 dozen.

Queen Helene. Immense flowers of a rich golden-yellow spotted with vermilion. Green leaves. 4½ ft. 15c each; \$1.50 dozen.

Mrs. Alfred Conard. A popular variety, producing freely large trusses of exquisite shell-pink flowers. Green leaves. 4 ft. 15c each; \$1.50 dozen.

King Humbert. Perhaps the most widely grown of all cannas. The great orange-scarlet flowers surmount beautiful bronze foliage. 5 ft. 25c each; \$2.50 dozen.

San Diego. A true orange without red suffusion. Rich and velvety. Bronze leaves. 4½ ft. 25c each; \$2.50 dozen.
One each of the above 14 varieties for \$2.85.

Gerbera

(Transvaal Daisy)

The Transvaal Daisies are greatly admired by all who see them. The Daisy-like flowers are borne singly on long slender stems which makes them ideal for cut flowers. The colors are extremely attractive, covering a wide range of shades and hues. Plant in full sunshine in well drained soil and be sure not to plant too deep. Avoid covering the center or crown. Strong field divisions.

Sunset. Lovely coral pink. 50c each; \$5.00 dozen.

Jamesoni. Brilliant scarlet. 50c each; \$5.00 dozen.

New Hybrids. Choicest colors mixed. 40c each; \$4.00 dozen.

Hemerocallis

(Day-Lily)

Day Lilies are admirably adapted to planting around pools and succeed equally well in either sunny or shady borders.

Flava. (Lemon Lily). Flowers lemon-yellow, sweet-scented. Add color and charm to any garden, very free flowering, strong field division. 35c each; \$3.50 per dozen.

Fulva. Same as above except that flowers are Coppery Orange shaded Crimson very showy. Either variety is admirably adapted to planting around pools. 35c each; \$3.50 per dozen.

Kwanso. The double flowered day lily and the most beautiful of them all. The flowers are large, double and a rich golden bronze in color. 35c each; \$3.50 per dozen.

Tritoma or Red Hot Poker

Pfizeri. A stately plant that will transform your garden into a blaze of color. Plant has long reed-like leaves, with flowering stems 4 to 5 feet tall. Color an orange scarlet shading to yellow. Flowers long lasting and very fine for large vases. An excellent subject to plant around pools or in connection with the Spanish type of structure. Price: 35c each; \$3.50 dozen.

GERMAIN'S SELECTION OF CHOICE CHRYSANTHEMUMS

Chrysanthemum Plants are not ready for shipment until after April 15th. In the following list of varieties will be found a collection which is exemplary in every respect. Every variety offered is one of sterling quality. The plants which we offer have been propagated from cuttings and will be ready for delivery between April 15th and May 1st. We do not advise planting Chrysanthemums too early, as they become hard and woody long before the flowering season begins, and if they are to be pinched for large flowers, the crop will often prove a failure, as a result of too early planting.

Japanese Chrysanthemums

Black Hawk. Deepest red. Late flowering and very fine.
Chas. Razer. Pure white incurve. Good.
Colonel Appleton. Enormous golden yellow flowers. Splendid stems.
Edgar Sanders. Deep bronze with lighter reverse. Extra large.
Harvard. Dark crimson reflex. Matures in November.
Intensity. Red, bronze reverse. A very easy grower.
Marigold. A monster flower. Matures October 15th. Color clear yellow.
Mistletoe. Blush white. A good size, blooms around Thanksgiving.
Nagiroe. Deep glowing orange bronze. Fine exhibition variety.
Pink Turner. A good pink blooming about October 15th. Easy to grow.
Rose Perfection. Seedling of Chieftain, better in color. Matures in November.
Dolly Dimple. Light yellow reflex. Easy to grow. Popular market variety. A fine keeper.
Betsy Ross. Pure white of perfect incurve form. One of the very best as it produces a high per cent of perfect blossoms whether planted early or late.
Citronelle. Sturdy plant with strong stem. Of close incurve type, with higher center. Very popular with shipper and retailer. Clear citron yellow.
Helen Frick. Late deep pink incurve. A noble flower.
Tekonsha. Fine late deep bronze for Thanksgiving.
Murillo. Latest red we have. Beautiful foliage. Very good.
Price any of the above 20c each; \$2.00 per dozen.

Pompons

Adironda. Fine early bronze, blooming October 15th.
Cora Peck Buhl. Resembles Golden Climax in form and flowers. Deepest in color of all the yellows.
Frances Huckvale. Gardenia white, with creamy shaded center.
La Gravera. Best deep red, late bloomer.
Rodi. Large purplish rose button type. Upright growth. Fine keeper.
Rose Charm. Bright rose pink. Fine sprays and strong growth.
Bokhara. Combines all the tints of red, rose and bronze seen in autumn leaves.
Merry Xmas. The latest Pompon to bloom. Color deep yellow.
Price any of the above 20c each; \$2.00 per dozen.

Feathery, Spidery and Threadlike

Benten. Quilled petals—greenish gold at center, tipped with deep red.
Lavender Feather. A most prolific bloomer. Grows six feet tall with us. Is full of very stunning deep lavender flowers which produce a most artistic effect in baskets or decorations.
Jiujuitsu. Each petal a combination of white and deep pink.
Price any of the above 25c each; \$2.50 dozen.

GERMAIN'S SELECTION OF PERENNIAL PHLOX

Among the various herbaceous perennials, there are but few plants which grow with the freedom and blossom over such an extended period as the various Perennial Phloxes. Our collection of these comprise many of the new French varieties, all of which are marvels of beauty.

B. Comte. A splendid shade of crimson purple.
Baron Von Dedem. Cherry red, the best of its color.
Bridesmaid. Pure snowy white ground, with a crimson eye.
Michael Buchmer. Pale lavender, strong grower.
Mrs. Jenkins. Immense flowered, tall, pure white.
Prof. Scheilemann. Lilac rose.
Rynstrom. A delicate shade of soft pink.
Isabey. A beautiful shade of salmon pink.
Pantheon. Clear deep pink blossoms with a faint halo in the center.
Siebold. Distinct shade of orange-scarlet with red eye.
Price: Any of the above varieties, 25c each; \$2.50 per doz.
The collection of ten complete for \$2.25.

Rudbeckia (Golden Glow)

One of the best yellow flowers we have. Grows to a height of 4 or 5 feet, and produces a mass of gorgeous yellow blooms during August and September. Makes a fine cut flower as well as a desirable background for perennial borders. Plants should be lifted and divided early in the spring for best results. Price 15c each; \$1.50 per dozen.

Scabiosa (Caucasica)

An exquisite perennial plant that should be in every garden. The plant forms a low tuft of growth with the flowering stems carried erect to a height of 2 feet above the plant. The pin-cushion-like flowers are a lovely shade of lavender and are 2 to 3 inches across, remarkably free flowering producing flowers practically the entire year in the warm regions. In the colder sections it should be protected in the winter. Price 25c each; \$2.50 per dozen.

Shasta Daisy

Burbank's Hybrids. Here are Shasta Daisies that are head and shoulders above any other type we know. They are one of the last great achievements of the late Luther Burbank. The entire strain is composed of many types quite different from each other, some are beautifully frilled, others have double rows of petals, some are dwarf and some extra tall. All are exceedingly free flowering. Offered in mixed types only. The plants should be divided each season to produce best results. Price 20c each; \$2.00 dozen.

Solidago (Golden Rod)

An old fashioned garden perennial easy to grow, and producing large panicles of Golden Yellow flowers in late summer and early fall. It grows to a height of 4 to 5 ft. and should be divided each spring to produce best results. Fine for cut flowers. Price: 15c each; \$1.50 dozen.

Fruit Trees, Small Fruits, Grape Vines

Contained in the following you will find a complete list of the various fruit trees, vines, and berry plants that we have to offer for this season. After the description of each variety we have noted the month of ripening. All prices are quoted f. o. b. Los Angeles, and due to market changes, are subject to change without notice. In general we supply one dozen trees for the price of ten. Please write us for special prices in large quantities.

Planting Instructions. On receipt of shipment unpack it immediately, and if not planted at once place the roots of the trees in a trench, cover them with soil, and water thoroughly, so as to settle the dirt well about the roots. For this purpose it is well to open the bundle. If on account of delay enroute the trees look withered, bury them entirely in wet soil for a few days until they have recovered.

It is of great importance to dig holes deeper and larger than is necessary to admit all the roots in their natural position, keeping the surface and subsoil separate. While we exercise the greatest care possible in digging and packing the trees the loss or injury of the roots is sometimes unavoidable. Any injured roots should be cut off with a sharp knife. Fill the hole with the surface soil, so that the tree after the earth has settled will stand about as deep as it did in the nursery, a line which can usually be noted by a difference in color. Settle the soil well around the roots by filling the hole with water. Never let manure come in contact with the roots, but it can be used as a top dressing.

Grass or weeds should never be allowed to grow around the trees. The ground should be thoroughly cultivated, so that the finely pulverized soil forms a mulch over the whole surface of the ground.

Apples, Apricots, Peaches, Pears, etc., should be pruned back according to the size of the tree. Tree protectors should be used against sunburn.

Guarantee. While we exercise the greatest care to have all stock true to its name, it is understood and agreed that should any stock prove untrue to name we shall be held liable only for the sum paid for the stock that may prove untrue and shall not be held liable for any greater amount.

Almonds—75c Each

- I. X. L.** Nut large, soft shell, good bearer. Vigorous, upright grower. One of the best commercial varieties.
- Texas Prolific.** Medium size, soft shell, regular and heavy bearer. Good for pollinating others.

Apples—75c Each

- Delicious.** An excellent variety of delicious flavor. Large, conical, brilliant red on yellow ground. Flesh crisp, juicy and sweet. Strong grower, good bearer and keeper. "November."
- Jonathan.** Fruit medium, roundish, skin yellow nearly covered with lively red, flesh fine grained, good keeper. "October to December."
- Red June.** Medium, oblong, deep red, excellent early table variety. "June to July."
- White Winter Pearmain.** Medium size, skin light yellowish green, flesh tender. One of the leading varieties. "November."
- Yellow Bellflower.** Large yellow with a bluish on the sunny side. Very tender, juicy. An excellent apple. "October."

Crab Apples—75c Each

- Transcendent.** Medium large, round, yellow striped with red. Highly recommended. "August."

Apricots—75c Each

- Royal.** Medium to large, oval, orange in color, sweet excellent flavor. Very productive. Highly recommended for all purposes. "Early June."
- Newcastle.** Medium, orange with red cheek. Ripens early. Fine for family and an early market. "First of June."

Cherry—85c Each

- Bing.** Dark red nearly black. Brings best prices in all cherry districts. Fine flavor, very productive. "Late June."
- Black Tartarian.** Large, purplish black flesh, juicy, rich and sweet. Strong grower and prolific bearer. "June."
- Early Richmond.** Medium size, red, melting juicy, slightly acid flavor. "Late May."
- Royal Ann.** Large, yellow, light with red cheek. Flesh juicy and sweet. "Late June."

Figs—75c Each

There is probably no fruit that repays its owner so well as a few fig trees. From early summer till late fall there is a constant supply of wholesome appetizing fruit. The trees require sufficient moisture to keep them constantly growing during the summer months, in order to fruit well.

- Black Mission.** This is probably the most common black fig in California today. Fair size, dark purple, almost black in color. Flesh very rich and sweet. Strong grower and heavy bearer. "August."
- Black Spanish.** Not so black in color as the Black Mission, but a much larger fig, vigorous and very prolific. "August."
- Brown Turkey.** Large, dark purplish red, good quality, earliest to ripen and bearing fruit constantly until frost. Valuable market variety. "July."
- Kadota or White Pacific.** This is one of the very best white Figs. Medium size, slightly elongated, yellowish green, flesh yellow, of excellent quality, rich and sweet as honey. Does not crack or sour and dries perfectly. Highly recommended for all purposes. "August to November."
- White Adriatic.** Large, greenish yellow skin, red flesh. Vigorous grower and prolific bearer. One of the most common sorts grown in California. "August."

Nectarines—75c Each

The Nectarine is practically a peach with a smooth skin. Its delicious and aromatic flavor makes it especially valuable for the table and also for drying and canning. It requires the same culture as the peach.

- Boston.** Large, deep yellow with bright bluish and mottling of red. Sweet and of a peculiar, pleasant flavor. Ripens in August.
- Stanwick.** Large, greenish white with violet cheek, flesh white, juicy and delicious. "August."

Peaches—75c Each

The trees do best on a well drained sandy loam, rather than on land inclined to be moist. When too many fruits have set the only remedy is to thin them out. Thinning is done before the pit has formed.

Freestone

- Early Crawford.** Very large, oblong, golden yellow with red cheek. Flesh yellow, juicy and sweet. "July."
- Elberta.** Oblong, bright golden yellow with beautiful red cheek. Flesh very firm, juicy and sweet, vigorous and very productive. One of the best for all purposes. "August."
- Foster.** Large, bright yellow with dark cheek. Resembles early Crawford, much better quality, ripens earlier. "July."
- George IV.** Large, flesh white, skin creamy white shaded red, prolific. "July."
- J. H. Hale.** Valuable new variety, resembles Elberta but larger and better quality. Skin almost fuzzless, flesh very firm, good shipper. One of the best yellow freestones. "August."
- Lovell.** A California variety, large, almost perfectly round, clear golden yellow, with faint red bluish. Flesh fine, grain firm and yellow to the pit. A superb canning and drying peach. Also excellent for table use. Highly recommended. "August."
- Miller's Late.** Matures three weeks later than Salway. Fine flavor. Flesh yellow. The latest of all yellow freestones. "October."
- Salway.** Large round, yellow shaded red, sweet and rich flavor. Good canning peach, also best for late market. "September."
- Saucer.** Australian, medium size, flattened on both ends. Creamish white, shaded crimson. Flesh white. A peculiar sweet flavor. "June."
- Imperial.** Early free, a strong vigorous grower yielding abundantly. Fruit large with small pit, skin yellow, heavily shaded with dark red. Flesh yellow, rich and firm. Desirable for both shipping and home use. "Late June to July."

Clingstone

- Clingstone peaches are much sought after by canners on account of their richness and firmness. Recommended for home canning.
- McClure's Strawberry Cling.** A new valuable variety, large creamy white, nearly covered with brilliant crimson. Flesh white, red around the pit. Excellent for table and market. "August."
- Tuscany Cling.** A popular canning variety. A fancy peach, large, deep red on sunny side, solid yellow fleshed. Early and heavy bearer. "July."
- Orange Cling.** Very large, golden yellow with crimson cheek. Flesh yellow, sweet delicious. Much desired for home canning. "Late August."

Pears—75c Each

- Winter Nellis.** An early winter pear of very good quality. Fruit medium size and dark russet in color, heavy bearer and good flavor. "December."
- Kieffer.** A large fruit variety of golden yellow color. Flesh somewhat coarse and juicy, and quince flavor. "October."
- Bartlett.** The best known and most popular pear in California. The tree is a vigorous grower, bearing abundantly, fruit of large size, and rich flavor. "August."

Plums—75c Each

- This fruit grows well in all parts of the state. The Japanese varieties and their crosses occupy a prominent place in the plum culture of California. The European varieties are also held in considerable favor, especially for canning purposes.
- Blue Damson.** Small, skin purple, flesh yellowish green. Juicy and rather tart. An old favorite sort for making jam. "September."
- Burbank.** Medium large, yellow mottled red. flesh yellow, small pit, very productive. "July."
- Santa Rosa.** Large purplish crimson, flesh yellow mottled crimson. Very good quality, excellent for all purposes. "Early July."
- Satsuma.** A very large and well flavored plum with blood red flesh, skin bluish red, a very small pit. Vigorous and productive. A well known variety much in demand for home canning. "July."
- Wickson.** Deep cherry red to a rich claret color when ripe. Flesh amber, very juicy. "August."

Plumcots—75c Each

- Apex.** This fruit, as indicated by its name, is a very satisfactory combination of the Apricot and the Plum. Large round, yellow, rich and aromatic. "June."

Prunes—75c Each

- The prune is really a plum with the distinguishing characteristic that it dries sweet and makes a commercial product. In California the prune industry is one of the great horticultural interests of the state.
- French.** The best of all commercial Prunes. Medium size, skin reddish purple with a blue bloom. Flesh very sweet and rich. Regular bearer, used extensively for drying in California. "August."
- Sugar.** Medium large, dark purple, flesh yellow, juicy and sweet. Excellent for canning and drying. Vigorous and productive. "August."
- Tragedy.** Large, dark purple, yellowish green meat, rich and sweet. Fine table prune. "July."

Fruit Trees, Small Fruits, Grape Vines--Continued

③ Pomegranate—75c Each

The Pomegranate grows in bush form, and should not be pruned very much if a large crop of fruit is the main object. However, its glossy light green foliage and beautiful scarlet flowers render it also very desirable for ornamental purposes. A pomegranate hedge is especially beautiful.

Persimmons—\$1.00 Each

The value of this beautiful and luscious fruit is becoming more and more recognized. Persimmons are particularly hard to transplant. The root must never be allowed to become dry before planting, and after planting until well established they must be well supplied with water. If this is neglected a large percentage may die.

Hachiya. Very large, oblong conical with short point. Very showy. Diameter three and three-fourths inches, skin bright red with occasional dark spots or blotches and rings at the apex. Flesh is a deep yellow, astringent until ripe, then very fine. The largest and most vigorous.

Quince—75c Each

This fruit succeeds almost everywhere in California and is especially in demand for jellies and preserving.

Champion. Large, light yellow, very productive. "September."
Van Deman. Originated by Burbank. Hardy and a strong grower, early and prolific bearer, ripens through a long season and keeps well. "Late September."

Walnuts—\$1.75 Each

The English Walnut is the great commercial nut of California, and the class of nuts known as soft shells is the one universally planted at the present time. A deep rich soil is best adapted for the Walnut. Much attention has been given in recent years to the hudding and grafting of the Walnut. Budded or grafted trees yield a nut larger than the average seedlings.

Eureka. Large oblong, soft shell tightly sealed. Tree vigorous grower, light resisting, good producer, blooms very late. Therefore, not so much subject to late frosts.

Piacentia Perfection. A favorite in Southern California. Nuts large, soft shell, white meat of excellent quality. Heavy and regular bearer.

CITRUS TREES

When planting a citrus tree the burlap should be left on the ball of the tree. If removed the soil is apt to fall away from the roots, lessening the chances of the tree to live.

Orange—\$2.00 Each

Washington Navel. The world wide famous California Orange. Fruit large and seedless. Flesh juicy, sweet and highly flavored. Ripens November to March.
Valencia. Sharing more and more the popularity of the Navel, and often bringing the highest prices in the market. Ripens after Navel season is over. Fruit Medium size, few seeds, tender, sweet and delicious. "May to October."

Lemon—\$2.00 Each

Eureka. This is the most commonly grown and leading market variety. Almost thornless. Fruit of a good even size and splendid quality. Almost seedless.

Grape Fruit—\$2.00 Each

Marsh's Seedless. Extra large, practically seedless. It has a very fine flavor. Best of all Grape Fruits. Strong grower and heavy bearer.

Tangerine—\$2.00 Each

Dancy. Very popular Mandarin variety. Skin orange red, meat juicy and sweet, few seeds. Vigorous and prolific. "March."

GRAPE VINES AND SMALL FRUITS

Grapes

Foreign Varieties—15c Each—\$1.50 Doz.

Black Morocco. A fine late black grape. Very large berries. Flesh firm, bunch compact. Ripens October.

Black Prince. Produces large bunches of round black berries. Flesh crisp and firm, flavor sweet and rich. "September."

Cornichon. Berries long and large, skin blue-black and thick. Flesh firm, good flavor. Late keeper and good shipper. "October."

Emperor. Fruit large, oval, dark red, juicy and sweet. Good shipping and keeping quality. "November."

Malaga. Very large, greenish white, meaty, sweet and juicy. "August."

Mission. Medium size, blue-black, good for table and wine. "September."

Muscat. Standard table and raisin grape. Fruit large, greenish yellow. Flesh firm, sweet and juicy. "August."

Thompson Seedless. Small, yellow, very sweet and delicious flavor, prized for table raisins. "July."

Zinfandel. Bunches large and compact. Planted extensively in California for the juice. "September."

Flame Tokay. Bunches and berries very large, pale red with bloom, flesh firm and sweet. "September."

Postage on any of the above grapes 25c per dozen extra

American or Eastern Grapes—25c Each \$2.50 Doz.

Concord. The most widely known and popular of all American grapes. The vine is a healthy, vigorous grower, and being hardy, it succeeds where the more tender varieties fail. "August."

Niagara. Large fruit, pale yellow color, skin thin and tough, tender and sweet flesh. "August."

Postage on any of the above 25c per dozen extra

SMALL FRUITS

There are few if any sections in California where one or more of the so-called small fruits or berries do not thrive well. They are especially adapted to the garden, on account of the small space occupied, and the short time in which fruit can be obtained.

Currants

Fay's Prolific. Extra large, very productive, red, excellent quality. 25c each, \$2.50 doz.

Gooseberries

Oregon Champion. Medium large, round, fine quality, productive and free from mildew. 25c each, \$2.50 doz.

Postage on any of the above 25c per dozen extra

Blackberries

A most rampant grower. Should be trained on a trellis and be pruned back like the grape vine.

Mammoth. Strong grower and heavy bearer. Berries large, highly flavored and very sweet. Ripens early and fruits over a long period. Should also be grown on a trellis. Highly recommended. 15c each, \$1.50 doz.

Cory's Mammoth Thornless. Plant vigorous, sending up strong, stocky canes early in the spring, which often makes a growth of twenty feet in one season. Can be kept in bush form by pruning. Ripens early, flavor delicious, sweet, flesh firm, melting and juicy, few seeds. Berries are very large. Vines are thornless, making picking easy. "June and July." 15c each, \$1.50 doz.

Himalaya. A very rampant grower and heavy yielder. Fruit has few seeds. 15c each, \$1.50 doz.

Dewberries

A trailing low bush blackberry.

Gardena. Berries large, ripens early, vigorous and very productive, fine quality. 15c each, \$1.50 doz.

Loganberries

Supposed to be a hybrid between the Blackberry and Raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. The vines are rampant growers. 15c each, \$1.50 doz.

Raspberries

Cuthbert. An old standard variety, very large, fine flavor, ripens over a long period. 15c each, \$1.50 doz.

St. Regis Everbearing. A new early variety, ripens throughout the season. Berries large and of best quality, strong grower. 15c each, \$1.50 doz.

Kansas Black Cap. One of the best black Raspberries, vigorous and productive. 15c each, \$1.50 doz.

The Youngberry

Said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored very productive berry. Bears early and commands the highest market prices. The fruit colors well and is exceptionally sweet and large. Color jet black. 20c each, \$2.00 doz.

Postage on any of the above 15c per dozen

Strawberries

Carolina. A new berry that has met with instant favor. A vigorous grower, with strong foliage, producing heavily, berries of large size and fine flavor. 25c doz., \$1.75 per 100.

Klondyke. A very popular berry. A vigorous grower, berries of medium size and good flavor. Recommended for shipping purposes. 20c doz., \$1.50 per 100.

Progressive. A new variety that will bear over a longer period than any other. The fruit is of fine flavor and good size. 35c doz., \$2.50 per 100.

Postage on any of the above 10c per doz. extra

VEGETABLE PLANTS AND ROOTS

Artichoke

Green Globe. Artichokes are a delicious vegetable. They are easily grown in back yards, along fences, and in the vegetable garden, requiring very little care and attention after planting. The Green Globe Artichoke grows to a height of three to five feet with numerous branches and the roots should be set above 5 feet apart. The portion eaten is the underside of the head, before the flower opens. The whole head is removed and boiled, the leaves laid aside and the bottom eaten dipped in butter with a little pepper and salt. Strong field divisions, 25c each, \$2.50 dozen. Postage 25c per dozen extra.

Asparagus

Argenteuil. Exceedingly popular. Stalks large and tender. Color white. 35c dozen, \$2.50 per 100.

Palmetto. Shoots are light green, tinted pink, and are very tender. 35c dozen, \$2.50 per 100.

Washington. A variety that has come to the front, grows very large and is very rust-resistant. 35c dozen, \$2.50 per 100.

Postage 10c per dozen extra

Rhubarb

Wagner's Giant. A standard variety that is well known. Grows very rapidly and is hardy in any climate. Stalks are large and have a very fine flavor. Two year old field divisions 25c each, \$2.50 dozen. One year old roots 15c each, \$1.50 dozen.

Postage 25c per dozen extra

GARDEN HARDWARE

"LITTLE WONDER" HEDGE TRIMMER



Cuts like a mowing machine.

Cuts every variety of hedge grown, 5 to 10 times as fast as by hand. Will trim a hedge to any shape and cut wanted, various attachments and adjustments being provided for each type.

It will cut the side of square or pivot top hedges ten feet high with the operators standing on the ground, and will do the work evenly and quickly.

For side cuts on high hedges or fancy cuts, the machine may be held in a horizontal position and operated to good advantage by two operators, one driving the mechanism and the other holding the handle. Price, 30" size \$25.00; 40" size, \$27.50, express only.

No. 102 TRIMMING SHEARS



Made by Disston. Length of blade, three inches; length over all, nine inches. The blades are riveted to handle as shown in the illustration. Price \$1.00, post paid.

NO. 2082-V PRUNING SHEARS



An attractive garden pruning shear, 8 inches long, fully polished blade and black handle. Price 95c each, post paid.

NO. 2062-V PRUNING SHEARS



This little shear is a duplicate of the larger California pattern, has malleable handles, hardened and tempered blades. Price 60c each, post paid.

NO. 09 GRASS SHEARS NO. 90 GRASS SHEARS



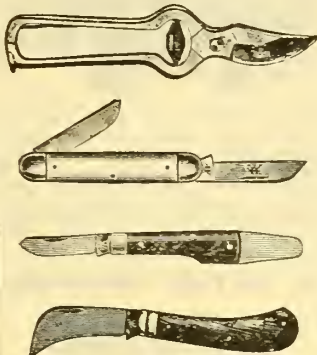
The new improved type of grass shears, hardened, tempered blades and locking latch. No. 90 is highly finished and handles japanned. No. 09 has semi-finished, jap handles and shank. Price, No. 90, \$1.25; No. 09, \$1.00 post paid.

PRUNING SHEAR UTILITY NO. 5



This Pruning Shear should be in every garden. It is adaptable to all garden pruning work shrubbery, vines and small branches. The cutting edge of blade is 3 1/4" long. Length over all, 16 1/4". It's a Disston. Price \$2.20 postpaid.

HENCKLE TOOLS



The world's famous line of pruning shears and knives. All Henckle cutlery bears the trade mark "The Twins." The tools are made of the very best material, tempered and hardened by the most experienced workmen and are guaranteed to be free from any imperfection. Professional gardeners all over the world use Henckle tools.

- No. 190—7 1/2" Shear..... \$3.00
 - No. 200—8 1/2" Shear..... 3.25
 - No. 210—9 1/2" Shear..... 3.50
 - No. 727-W—Combination Budding and Grafting Knife..... 2.00
 - No. 755-B—Budding Knife..... 2.00
 - No. 3-C—Pruning Knife..... 1.60
- Prices postpaid.

MASTERS RAPID PLANT SETTER



Every plant grows. A practical tool for transplanting cabbage, tomatoes, tobacco, sweet potatoes, cauliflower, peppers, egg plant, strawberries and all similar plants.

Each plant is set, watered and covered in one operation. There is no stooping or bending over, just straight ahead easy, pleasant work. All of the hard, tedious labor of hand setting is done away with. One man will set more plants than three men can do by hand and do it better and easier. The plant setter is 6 1/2 inches wide and carries water for 125 to 150 plants at each filling. It is built of heavy black tin, reinforced with wire, and has strong steel jaws, brass fittings and will last for many years. Price \$6.25 each post paid.

NO. 30 HEDGE SHEARS



Made by Disston of the best quality steel. Prices: 6 1/2" \$1.60, 9" \$2.90, 10" \$3.25, postage extra.

E. Z. DEVIL GRASS RAKE



Removes Bermuda, Johnson and other coarse grasses from lawns. It is advisable to use the cultivator frequently during the summer months to prevent Devil Grass from rooting and matting, which excludes light and air from the soil and chokes out the blue grass and clover. Prices, express extra:

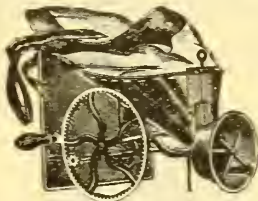
- 9 tooth E. Z. Rake..... \$1.40
- 13 tooth E. Z. Rake..... 1.90
- 26 tooth Comb..... 3.25
- Professional Rake and Rollers..... 3.60

THE CYCLONE SEED SOWER



May be used for sowing any seeds that can be sown broadcast; scatters the seeds evenly and throws equal amounts to equal distances on each side of the operator. It is made from solid tin with a sloping feed board which keeps the hopper properly filled without tilting the machine. Price \$3.25 each, post paid.

THE GENUINE "CAHOON"



Broadcast seed sower is dependable and durable. It is a compact, easily operated machine and guaranteed to give satisfaction in every way if used according to instructions.

The seed hag is made of heavy duck securely fastened to the hopper and holds about 22 quarts. The Cahoon sower is used for seeding Alfalfa, Alsike, Barley, Blue Grass, Buckwheat, Corn, Clover, Cow Peas, Wheat and other seeds in similar hulk and nature. Weighs 8 lbs. Price \$6.00 each, postage extra.

DISSTON PRUNING SAWS NO. 114



A pole saw, patent ground and has a cast steel blade. Price \$2.35, post paid. Pole not furnished.

NO. 53 PRUNING SAW



12" blade, price \$1.25; 14" blade, \$1.40; and Crescent folding handle, \$1.50, all postpaid.

NO. 4 PLANET JR.



The Planet Jr. No. 4 is a single implement combining a first class hill dropping seeder, a single wheel hoe or weeder, a furrower and a plow. It sows all garden seed in continuous rows with uniformity or in hills, 4, 6, 8, 12, or 24 inches apart and at the same time marks the next row. It is simple, durable, reliable and easy running.

The index indicates separately the proper adjustments of the seed sowing in hills or in rows. By removing one bolt the driller is detached and the tool frame substituted. It then becomes a single wheel hoe. It can be used for weeding, cultivating, or plowing your garden.

The seed hopper of the No. 4 Planet Jr. holds 2 1/4 quarts of seeds. The equipment is as follows:

- 1 Pr. of 6" hoes
- 3 cultivator teeth
- 1 garden plow
- 1 leaf guard
- 1 marker

Price \$20.00. Freight or express only.

NO. 17 PLANET JR.



A single wheel hoe and will do practically all work around the average garden. The three sets of attachments which go with this tool are the finest of their kind. You can do more and better work with it in one day than you can do in several days with the old fashion hand hoe. It is equipped with one pair of 6" hoes, 3 steel cultivator teeth and one large garden plow. Price \$8.75 each. Freight or express only.

NORCROSS CULTIVATOR



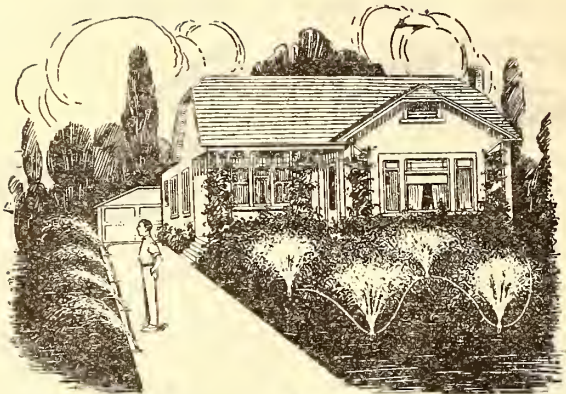
Every garden needs a Norcross. This tool is so much more efficient than a hoe, is far ahead of the average weeder and such a thoroughly good cultivator that it does the work of all three tools. In fact, you can do three times the work in a given period of time with it than you can do with a hoe—do it easier, and get better results. The Norcross is made in three sizes:

No. 55 has five prongs, a 4 ft. high grade ash handle. Price \$1.50, postage extra.

No. 33 has three prongs, a 4 ft. high grade maple handle, is a lighter weight than No. 55, and is especially suited for women and children. Price \$1.10, postage extra.

No. 11 Midget, extra light, weighs only 12 ounces, has a 9" hard wood handle, and is for close cultivation in gardens and for flower beds. Price 70c each, post paid.

LAWN MOWERS ~ SPRINKLERS



HAWES ALL-IN-ONE SPRINKLER

A sprinkler system without the big expense of piping your whole place. You simply use a set of the Hawes All-in-One Sprinkler to a 50 ft. length of 3/4" hose. Each sprinkler is equipped

with a full circle spray, 1/2 circle spray and complete shut-off. Set of four complete with hose-clamps and expansion plug \$3.50 per set, post paid.

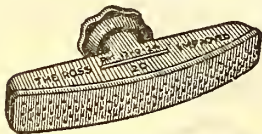
Extra Sprinklers\$0.75 each
Extra Clamps05 each
Extra Expansion Plugs..... .10 each

ROSS FAN SPRINKLER NO. 10



Throws a large amount of water in a gentle fan-shaped spray, without force, descending like rain. It does not wash the soil into furrows, consequently is desirable for sprinkling new lawns and flower beds. Made entirely of brass. Price 75c, postpaid.

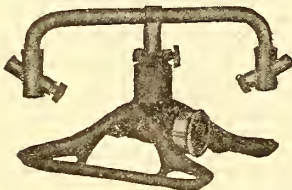
ROSS IMPROVED SPRINKLER NO. 20



Will expel more water and distribute it more equally, regardless of pressure, than any other sprinkler. Luther Burbank has said "The Ross sprinkler is, in my opinion, the best hand sprinkler so far produced." Price 75c, post paid.

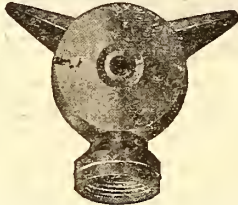
BROWNS
Adjustable and Variable

Whirling Showers LAWN SPRINKLER



A variable and adjustable revolving lawn sprinkler. By using a fine adjustment of the nozzles and directing the nozzles themselves in the proper direction a light floating mist for watering seed beds, golf greens, etc., is obtained. By opening the nozzles and directing them at a different angle the sprinkler covers a circle of over 70 feet in diameter. Price \$3.00 each, post paid.

NO. 75 FOUNTAIN SPRINKLER



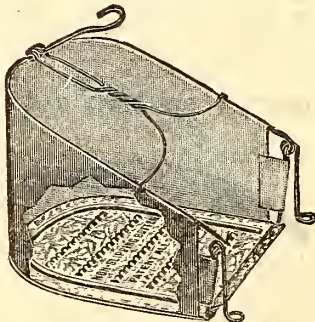
Delivers a fine spray over a large area. It operates satisfactory with either high or low pressure. It throws a fountain jet to the center. Price 45c each, post paid.

NO. 135 FAN SPRINKLER



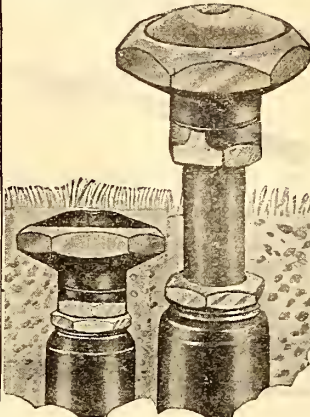
An improved Fan Sprinkler, has a 4" spike which prevents it from turning over. It is especially fine for park way strips. Price 35c, post paid.

E.Z. EMPTY GRASS CATCHER



The E. Z. Empty grass catcher has a galvanized sheet steel bottom, round back, heavy duck sided. The canvas sides are firmly fastened to the bottom by three folds of sheet steel. This protects against any possibility of the canvas ever ripping along the bottom edge. No. 10-G for 12" to 18" Mowers \$1.60 No. 12-G for 18" to 21" Mowers \$1.90 Express collect.

POPUK LAWN SHOWERS



Out of sight when not in use. Turn the water off and it sinks below the surface of the ground again, entirely out of sight. The Pop-up is simple to use, gives a rainlike shower and is easily regulated for any area. Made of durable brass, thus insuring many years of service. Both full and half circle sprays, price \$1.10 each.

NO. 70 TWIN SPRINKLER



A standard sprinkler which covers a large area with a fine spray and is operated with either high or low water pressure. Price 40c, post paid.

CRESCENT FOUNTAIN SPRINKLER

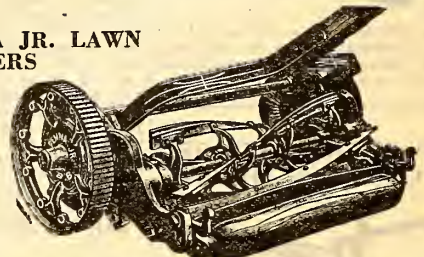


A ring sprinkler that throws all the water to the front and sides. It can be moved without one getting wet. It is made of heavy gauge brass and weighs about one pound. The Crescent Sprinkler is ideal for sprinkling parkways and other narrow strips. Price \$1.00 each, post paid.

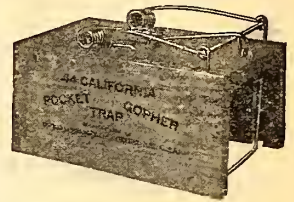
PENNSYLVANIA JR. LAWN MOWERS

The perfection of lawn mower construction. They are operated by a chain of gears on both sides of the machine. The cylinder contains five tempered crucible steel blades. The lower knife also crucible steel is the raised edge pattern, and is positively self-sharpening. It is fitted with the patented STAYTITE Handle with adjustable steel clamps to take up any possible shrinkage.

The 12", 14", 16" and 18" machines have an 8" drive wheel, and the 15", 17", 19" and 21" machines have a 10" drive wheel.

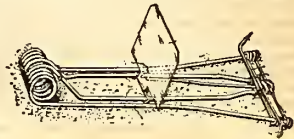


CALIFORNIA GOPHER TRAP NO. 44



The most popular wood box trap on the market. It is well constructed with a heavy copper steel wire catch, loop, spring and trigger. Size 3x3 1/2 x 6 1/4, easily set. Price 40c each, post paid.

MACABEE GOPHER TRAPS



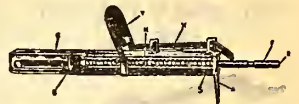
Very popular traps, successful in catching both large and small gophers. It is made of spring steel wire with a flat steel trigger and is set very easily. Price 30c each, post paid.

NEVER-FAIL GOPHER GUN



It is very easy to kill gophers and moles with the Never-Fail Gopher Gun. You simply load the gun with a 38 BLANK cartridge and set in the gopher hole, leaving the hole open; within a few minutes the gopher will attempt to close the hole setting off the gun, and will be killed by the concussion.

For moles, dig down to the main tunnel and set the gun the same way, the gun is made entirely of brass and is set by simply pulling back trigger "F" as illustrated below.



Price \$2.00 each, post paid. Cartridges, 1 doz. 30c; box, 50, \$1.00. Express only.

	Weight, Lbs.	Price
Penn. Jr. 12" Mower.....	42	\$18.00
Penn. Jr. 14" Mower.....	44	20.00
Penn. Jr. 16" Mower.....	46	22.00
Penn. Jr. 18" Mower.....	48	24.00
Penn. Jr. 15" Mower.....	47	28.00
Penn. Jr. 17" Mower.....	49	32.00
Penn. Jr. 19" Mower.....	51	36.00
Penn. Jr. 21" Mower.....	53	40.00

Sent express collect.

SPRAY PUMPS

AUTO SPRAY NO. 50



We highly recommend the Auto Spray No. 50 to our patrons. It is extremely desirable for use in spraying agricultural insecticides, disinfectants and where the spraying is not extensive, and is especially adapted for use by women or persons physically unable to carry a great weight. Tank is constructed of heavy sheet brass or strong copper bearing galvanized sheet steel. Pump cylinder is of one piece seamless brass tubing. This Sprayer has the screw lock and drain-dry features found in the Auto Spray No. 9. Capacity, 2½ gallons. Auto Spray No. 50B, Brass Tank, Priced at.....\$8.25
Auto Spray No. 50D, Galv. Tank, Priced at.....6.00

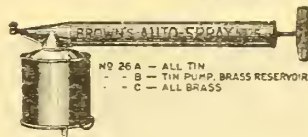
AUTO SPRAY NO. 9



The Auto Spray No. 9 is a durable, well-built machine. This Sprayer, due to its ease of operation, is one of the most popular large compressed air sprayers on the market. Tank is constructed of heavy sheet brass or strong copper bearing galvanized sheet. Pump cylinder is one piece seamless brass tube. The features of this Sprayer are the screw lock, drain dry, Non-Clog spray nozzle. This Sprayer can be used for spraying trees, shrubs, gardens, chicken houses, etc. Capacity—four gallons.

Auto-Spray No. 9-B Brass Tank, priced at.....\$10.50
Auto Spray No. 9-D Galv. Tank, priced at.....7.50

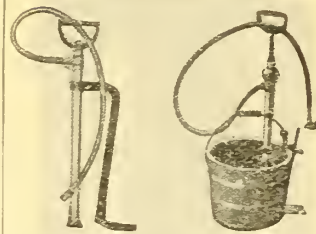
AUTO SPRAY NO. 26



We recommend this Sprayer to our patrons for use in the household, garden and greenhouse. It is used for spraying insecticides, disinfectants and cattle fly spray. No. 26-B with tin pump cylinder and brass container; No. 26-C entirely of brass. The brass sprayer is the most highly recommended because of its corrosion-resisting and rust-resisting qualities.

Auto Spray No. 26-B, Tin cylinder, brass container.....\$1.50
Auto Spray No. 26-C, Brass cylinder, brass container.....1.60

Deming Bucket Pumps No. 669 and 689



These are two of the best known and strongest bucket pumps made. Easy working, powerful pumps, which with reasonable care will last a lifetime. Suitable for spraying small trees, flower and vegetable gardens; for applying whitewash and disinfectant; cattle fly oil, stock dip, etc. All parts are brass except the malleable handle and steel foot rest. These pumps have double air chamber consisting of cast brass air chamber, and seamless brass, hollow plunger tube, which gives unusually steady discharge pressure.

Number 669 is equipped with 3 feet of high-pressure hose, Acme nozzle which throws a fine spray. Price \$5.25 each, post paid.

Number 689 has four feet of hose and Bordeaux nozzle, which is the best general purpose spray nozzle ever produced. It throws a solid stream, coarse, long distance spray or a fine mist. It is an excellent nozzle also for whitewashing. Bucket not furnished. Price \$8.35 each, post paid.

DUSTER BROWN NO. 1



Duster Brown No. 1 is an excellent duster of small capacity of use in the garden, for spraying roach powder, etc. It has a large powerful pump 12" in length, 1¾" in diameter. The mixing chamber and powder container is 1¾" diameter, 4" long, and is equipped with combination screen and extension nozzle, which diffuses the particles of dust.

Duster Brown No. 1 packed in units of 2 dozen in strong corrugated carton. Shipping weight per unit of 2 dozen 16 lbs. Price, 65c, post paid.

AMERICAN BEAUTY DUSTER



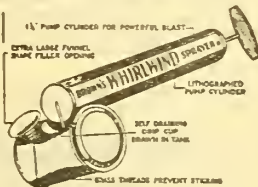
The world's finest one man duster. The only force feed duster built. Feed is instantly adjustable.

Built of the best materials. Gears and rocker arms of steel. Bearings of brass. All parts interchangeable and can be shipped by parcel post.

Equipped with hose, two lengths of tubing for tall trees and spoon for ground work.

Weight 17½ pounds, ready to ship. Price \$18.00 f.o.b. Los Angeles.

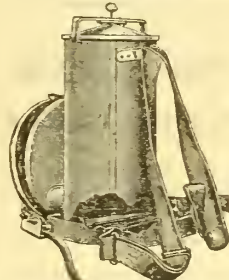
BROWN'S WHIRLWIND



50c each, post paid.

Brown's Whirlwind is a strong, well built single acting atomizer, made of heavy lithographed tin. The brass filler thread feature of this Sprayer eliminates the corrosion in screw cap which makes this type of sprayer undesirable. Capacity, 1 quart. 50c each, post paid.

CALIFORNIA BEAUTY DUSTER



Just the thing for small truck farm acreages.

Holds twelve pounds dust. Throws cloud twelve feet. Weighs 9½ pounds. Feed instantly adjustable.

Equipped with hose, tubing and spoon to reach the under side of leaves on the ground without stooping.

Only \$12.00, F. O. B. Los Angeles. Weight, 12½ pounds, ready to ship.

HUDSON PERFECTION SPRAYER



For work of any kind requiring high pressure. It is very practical in the garden, orchard, poultry house, in the home for removing wall paper, etc. 4 gal. capacity, 12" extension rod on 2 ft. ¾" hose, automatic nozzle.

No. 110-G—4 gal. Galvanized Tank, each.....\$7.50
No. 140-G—2½ gal. Galvanized Tank, each.....5.75
No. 140-B—2½ gal. Brass Tank, each.....8.25

BROWN'S DUSTER NO. 2-C

A handy duster of one quart capacity. Can be used for all around garden work such as dusting vegetables, rose bushes, or small trees. It throws a large volume of dust with each stroke. The extension enables one to dust the underside of the leaves while standing, diffusing the dust well, thus insuring thorough coverage. Length over all 19¾ inches, weight about one pound. Price \$1.50 each, post paid.



CALISPRAY PUFFER

Most powerful dust puffer built.

Made of metal with heavy bellows.

Will last for a long time.

Ideal for applying Flea, Fly, Moth, or Insect powders. Easy to fill. Holds two ounces. Throws cloud four to six feet. Weighs ½ pound ready to mail. Price only 30 cents, post paid.

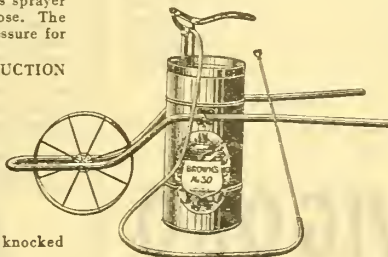
BROWN'S AUTO-SPRAY NO. 30-D

Auto-Spray No. 30-D is an efficient, durable wheelbarrow sprayer. This sprayer can be used for almost any purpose. The Auto-Spray No. 30 has ample pressure for supplying either 1 or 2 nozzles.

SPECIFICATIONS AND CONSTRUCTION

The pump cylinder is of seamless brass tubing. Valves and bottom casting solid brass. Air chamber steel tubing. Equipped with 6 feet of ¾" high pressure hose, 16" wheel truck with 1½" tire. We furnish with this sprayer a 2 ft. iron extension.

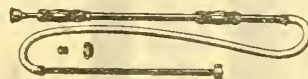
Auto-Spray No. 30 is shipped knocked down. Shipping weight 46 lbs.



Style Numbers

Auto-Spray No. 30-D galvanized tank and truck. \$13.50 each.

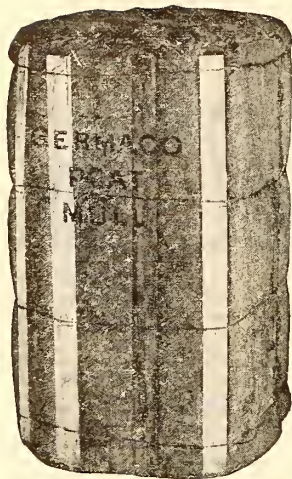
AUTO SPRAY NO. 5



The Auto Spray No. 5 is a double acting high-pressure sprayer, generally acknowledged to be the most powerful sprayer of its type, which easily generates a pressure of over 200 pounds with very little effort. Price \$5.00 each, post paid.

NURSERY SUPPLIES

GERMACO PEAT MULL



GERMACO PEAT MULL is a fine granulated Peat Moss and is used very extensively by the commercial flower growers in truck gardens to improve garden soils. It is in reality a sponge-

like soil formed years ago by the growth and natural decay of plant life. It is free from fungus and weed seeds. Peat Moss will absorb about fifteen times its own weight in water, thus assuring a supply of moisture about the roots of plants at all times. GERMACO PEAT MULL (Moss) not only lightens heavy clay and makes adobe soil possible to work but also binds and holds moisture in a light sandy soil. In other words, it is an ideal mulching material and keeps the soil mellow.

GERMACO PEAT MULL is clean, odorless, pleasant to use and not unsightly on the lawn or garden. It is a light brown in color, giving the effect of a fine well-cultivated soil. It is very economical to use, too, as one bale weighing between 110 and 125 lbs., depending on the moisture, contains from 18 to 19 bushels of loose Peat Mull.

GERMACO PEAT MULL is especially valuable for making a new lawn as it keeps the surface of the soil moist and makes it possible to obtain a dense, smooth turf in a shorter time than any other known method.

GERMACO PEAT MULL has many other uses, such as mulching Roses and Dahlias, Bulbs, etc. In fact, it should be used throughout the garden. Price per bale, \$4.00 each; freight or express extra.

GRAFTING WAX

For budding and grafting purposes; also for tree wounds and after pruning. For small quantities, soften in hot water and apply by hand; for large quantities, however, melt with as little heat as possible and apply with brush. Avoid beating. 1/4 lb. size, 25c; 1/2 lb. size, 40c; 1 lb. size, 60c; 5 lb. size, \$2.50, postpaid.

SPHAGNUM MOSS

Large quantities of Sphagnum Moss are used by Asparagus growers and nurserymen for shipping their products. It holds the moisture for considerable length of time. Large Bale, overlapped, weight from 20 to 25 lbs., depending on the moisture content, \$2.50 per bale. Sent express or freight collect.

GERMACO PEAT PLANTING POTS



GERMACO PEAT PLANTING POTS: Quantities of these Planting Pots are used in Florida for starting early vegetables, flowers, etc. They will absorb about nine times their own weight in water and, after the pot has been thoroughly moistened, it will retain the moisture for considerable time.

GERMACO PEAT PLANTING POTS are furnished in three sizes only; No. 1, which is usually used for lettuce, etc.; No. 2, for cucumbers, cantaloupes and all small flowering plants and No. 3 for tomatoes, cauliflower, beans and for the larger flowering plants. These pots practically insure the growth of the young seedling, as you simply thoroughly moisten the pot, fill with soil, plant the seed and when the plant is ready to set in the open, simply plant pot and all, as the roots will grow right through.

PRICES:

- No. 1 1" Hole 30c doz. \$2.00 per C
 - No. 2 1 1/2" Hole 40c doz. 2.75 per C
 - No. 3 2" Hole 50c doz. 4.00 per C
- Postage extra.

GREEN MOSS

A green colored moss which is ideal for using in wire banging baskets, etc. Per lb., 35c postpaid; per bale, from 50 to 60 lbs., \$10.00 each, sent express or freight collect.



EASY WAY TO GROW BEAUTIFUL PLANTS

Plant one of the Plantabbs in each pot about every two weeks and you'll have the finest flowers you ever grew. Plantabbs are small, clean, quickly dissolving tablets without odor. Highly concentrated form of nitrogen, ammonia, phosphoric acid and potash in proper balance. Especially good inside where smelly fertilizer cannot be used, but equally effective on roses and other garden flowers.

Everyone who tries Fulton's Plantabbs praises them.

- 30 Tablets 25c; 75 Tablets 50c
- 200 Tablets \$1.00
- 1000 Tablets \$3.50

FULTON'S
PLANTABBS
ODORLESS PLANT FOOD TABLETS

BUDDING CLOTH

Is made to our own special formula and is used by nurserymen everywhere for all budding purposes. Price, 1/2 Sq. Yr., 45c; 1 Sq. Yd., 80c, postpaid.



Now You Can Grow Lawns

...Gardens, Trees, Shrubs Successfully with VIGORO... the Complete Plant Food.

It contains all the plant food elements needed to produce early, vigorous growth and bring fruit, flowers, and foliage to full development.

Vigoro is inexpensive—only 10c to 20c for every 100 square feet (10x10).

It is clean, odorless, and easy to apply. Full instructions with every bag.

Table of Applications

Use these quantities in spring and fall; one half as much for summer applications. Allowance has been made for space occupied by house, walks, etc.

Size of Lot	Amount
30 x 125 ft.....	50 lbs.
40 x 125 ft.....	75 lbs.
40 x 125 ft.....	125 lbs.
60 x 150 ft.....	175 lbs.
75 x 150 ft.....	250 lbs.
100 x 150 ft.....	350 lbs.
150 x 150 ft.....	550 lbs.
200 x 150 ft.....	750 lbs.

Prices

100-lb. Bag.....	\$6.00	25-lb. bag.....	\$2.00
50-lb. Bag.....	3.75	5-lb. Can.....	.60



VIGORO
Specially prepared plant food

INOCULATE all Legumes with

The Original Legume Inoculator

NOBBE-HILTNER PROCESS



Restores and Maintains Soil Fertility

All legumes—plants that bear their seed in pods—like peas, beans, alfalfa, form a partnership at the roots with certain kinds of beathful bacteria called legume germs, that are able to draw nitrogen from the air and give it to the plant. They form on the roots in colonies looking like lumps, called nodules, which are really nitrogen storehouses.

Without these germs, legumes would rob the soil for nourishment and have a sickly growth, for few soils contain a natural supply. It is therefore necessary to "inoculate"—apply these nitrogen-gathering germs directly to the seed. All agricultural authorities advise inoculation of legumes. Every 1 bu. size can of Nitragin is packed with more than seven billion legume germs. Use Nitragin on your legume crop this year, therefore maintaining and restoring your soil fertility. Nitragin is especially helpful to Sweet Peas and, we advise your using it when planting. It is inexpensive. The Garden Siza Nitragin which inoculates from 1 oz. to 8 lbs. of Sweet Pea Seed, 25c postpaid. Other Nitragin prices:



NITRAGIN on ALFALFA The wonderful nodules enrich the soil and insure a big crop.

ALFALFA, ALL CLOVERS, VETCH, PEAS, BEANS

Size	Inoculates	Price
1/4 bu.	15 lbs. seed.....	\$.40
1/2 bu.	30 lbs. seed.....	.60
1 bu.	60 lbs. seed.....	1.00
5 bu.	300 lb. seed.....	4.75

Special Prices on Soy Beans and Cow Peas

(Note sizes carefully—not packed in smaller sizes.)

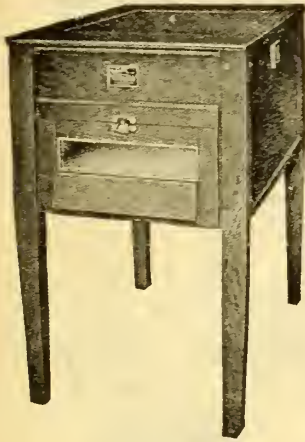
1 bu.	60 lbs. seed.....	\$.40
2 bu.	120 lbs. seed.....	.70
5 bu.	300 lbs. seed.....	1.50
10 bu.	600 lbs. seed.....	2.50

IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legumes seed you wish to inoculate.



GRAVES ELECTRIC INCUBATORS and BROODERS

Model No. 125



(Gross capacity 135 eggs.)

Dimensions, without legs, 23½" x 36" x 17". Average electric consumption 35 K. W. per hatch. Weight, crated, 110 lbs. Price, \$32.50

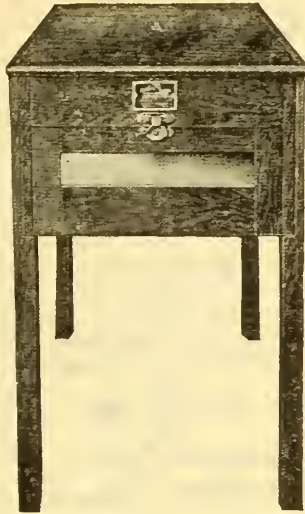
This wonderful little hatching machine is just the thing for people who want just a few chicks coming off at a time. It will hatch close to a hundred fine, healthy chicks every hatch. For turkey raisers, this machine is unequalled by any other incubator made. Many people have reported hatching every egg put in the incubator, fine, big turkeys of best "Quality." Fine also for wild ducks, guineas, pheasants, or other birds.

We have been selling Graves Electric Incubators and Brooders for the last six years, and we have not had a single complaint from customers who have had trouble with their machines on account of the electric power going off.

MODEL NO. 250. Capacity, 270 eggs; dimensions, without legs, 41½"x36"x17"; average electricity consumption, 40 K. W. per hatch; weight crated, 140 lbs. Price \$45.00.

MODEL NO. 500. Capacity, 540 eggs; dimensions, without legs, 76½"x36"x17"; average electricity consumption 50 K.W. per hatch; weight, 255 lbs. Price \$67.50.

Special Models



Made in two numbers.

NO. 125—(Gross capacity 135 eggs.)

Shipping weight 60 lbs.

NO. 250—(Gross capacity 270 eggs.)

Shipping weight 85 lbs.

The special models have the same efficient heating and regulating system as the standard models.

Being more simple of construction, lighter in weight, and having the advantage of quick assembly, a large volume of production on these models has made possible price reductions until no lower-cost incubators can be made.

Regardless of the kind of incubator you wish to compare, you will find none to compare with these wonderful values within many dollars of the price.

Characteristics of these models do not lead their style to be available in larger capacities. It is only in these two models it has been possible to build such remarkable value for such low price.

Note the low prices on the price list, realize that you cannot get equal satisfaction in any other kind within many dollars of the price, and the real value of these incubators will be apparent.

Prices:

No. 125. Special, each..... \$19.50

No. 250. Special, each..... 30.00

No. 125—Special Brooder



This special model electric brooder, as shown, is the best value ever put into a brooder. It uses the same regulating and heating system as standard brooders. It is 30 inches square, allowing more than seven (7) square inches each for 125 chicks. It is fire-proof, durable, and is the lowest priced, heated brooder of any kind or make. Notice the low price—you cannot afford to bother with heats, with one of these brooders.

Price, \$12.75 each.

SOL-HOT BROODER



Brooder complete.

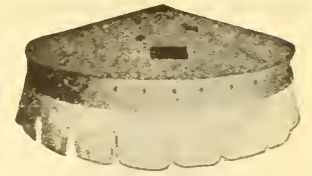
Sol-Hot's wonderful success is your gain.

Baby Sol-Hot Brooder, with 20-in canopy, capacity 100 chicks, shipping weight 25 lbs., 1 gal. oil capacity, \$12.50.

Standard Sol-Hot Brooder with 34 in. canopy, capacity 250 to 300 chicks, shipping weight 39 lbs., 2 gal. oil capacity, \$18.50.

Standard Sol-Hot Brooder with 44 in. canopy, capacity 500 chicks, shipping weight 50 lbs., 2 gal. oil capacity, \$22.50.

Standard Sol-Hot Brooder with 54 in. canopy, capacity 1,000 chicks, shipping weight 61 lbs., 2 gal. oil capacity, \$24.50.



SPECIFICATIONS (STANDARD)

No. 500-B. Diameter—66 inches.

(Providing seven (7) inches for floor space for 500 chicks, or up to thirty-five square inches for 100 chicks.)

Weight, uncrated, ready for use—135 pounds.

Average power consumption, while operating continuously at 100 degrees—200 watts per hour.

Average cost of operation during six week's brooding period at power cost of 3c per K. W., with attention given to temperature reduction and growth of chicks—\$2.25.

No. 350. Diameter—54 inches.

(Same area per chick for 350 chicks.)

Weight, uncrated, ready for use—105 pounds.

Average power consumption, as above—150 watts per hour.

No. 200. Diameter—42 inches.

(Same area per chick for 200 chicks.)

Weight, uncrated, ready for use—60 pounds.

Average power consumption, as above—125 watts per hour.

No. 100—Diameter—30 inches.

(Same area per chick for 100 chicks.)

Weight, uncrated, ready for use—40 pounds.

Average power consumption, as above—100 watts per hour.

Prices

No. 100-B, each.....\$18.00

No. 200-B, each..... 25.00

No. 350-B, each..... 30.00

No. 500-B, each..... 32.50

LEE'S POULTRY SUPPLIES

GIZZARD CAPSULES

An insoluble capsule carrying a triple combination worm medicine for tape worms, round worms and pin worms in poultry.

Gizzard capsules are as easy to administer as giving a pill. No syringe or dosing instrument is necessary. Just drop the capsule into the chicken's mouth. It may be given at night while the fowls are on the roost. There is no previous preparation such as dieting or starving.

As the capsule is insoluble, the medicine cannot be absorbed by the mucous membrane lining of throat, crop or stomach to sicken the fowl, but is ground up in the gizzard, releasing the medicine just before it gets to the intestines and worms.

A medicine powerful enough to get all three: round worms, tape worms, and pin worms, would unquestionably endanger the delicate membrane lining of the mouth, throat, crop and granular stomach of fowls. Given an insoluble capsule, however, it cannot come in contact with the membrane lining; hence there is no danger of injury.

They are put up in the following sizes:

50 Adult Size Capsule.....\$1.00

100 Adult Size Capsule..... 1.75

500 Adult Size Capsule..... 7.00

1000 Adult Size Capsule.....12.00

100 Chick Size Capsule..... 1.00

500 Chick Size Capsule..... 4.50

Post Paid

GERMOZONE

Without a doubt Germozone is the most widely used poultry remedy on the market today. It is especially valuable in preventing and controlling diarrhoeas and digestive disorders of little chicks and grown fowls. The regular use of Germozone in drinking water every other day is a big factor in preventing diseases among poultry. 12-oz. bottle, 75c; 32-oz. bottle, \$1.50, post paid; 1 gal., \$4.50, express only.

LEE'S LIQUID LICE KILLER

The standard poultry insecticide for thirty years. It is sprayed full strength about the poultry house once a month with a special liberality on roosts, in all cracks, crevices, etc. Price 1 qt., 60c; ½ gal., 90c; 1 gal., \$1.50; 5 gal., \$6.50, express only.

LOUSE POWDER

A real good compound containing Sodium Fluoride, put up in sprinkler-top can, handy for use on either old or young chickens. 1 lb. size, 30c; 2½ lb. size, 60c, express only.

LEE'S DIP AND DISINFECTANT

A highly concentrated coal tar creosote stock dip and disinfectant, containing not over 8% inert water (water sufficient to prevent gelatinization during cold weather). 1 gallon makes from 50 to 100 gallons of dipping or disinfecting solution. Price 1 pt., 50c; 1 qt., 80c, post paid. ½ gal., \$1.25; 1 gal., \$2.00, express only.

EGG MAKER

Write for free booklet "The Lee Way"—a book on the diseases of poultry. A highly concentrated meat food, and other elements that are needed in raising both animal and vegetable protein, but small amounts as compared by bulky food rations. It is a compound containing all ingredients to make a balanced growing mash, except grain. It is used generally 1 lb. of Egg Maker to 20 lbs. of ground grain.

CARBOLA

Is a disinfectant white paint in powder form and fills the demand for inexpensive and reliable disinfectant and paint, having none of the objectionable qualities of whitewash.

Carbola is made by combining a finely powdered pigment with a disinfectant 20 times stronger than carbolic acid. It is neither poisonous nor caustic—harmless to the smallest chick or to stock that licks a painted surface; but it kills lice, mites, fly eggs, etc., and helps prevent the start and spread of contagious diseases that effect poultry and livestock.

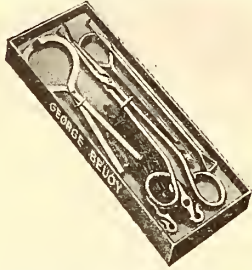
For unpaired surfaces use 2 pounds of Carbola to 1 gallon of water, which is sufficient to cover 200 square feet of space. It can be applied with brush or a spray pump to wood, brick, stone, cement, plasterboard, tar paper, etc., or over whitewash. It will not clog the sprayer, has no disagreeable odor, and will not flake or scale off. It is put up in the following sizes:

5 lb. size.....\$ 75
10 lb. size..... 1.25
50 lb. size..... 5.00

Postage Extra

POULTRY SUPPLIES

BEUOY CAPONIZING SET



Capons have become an established and recognized part of the poultry market, the same as eggs, chickens, turkeys and other live poultry.

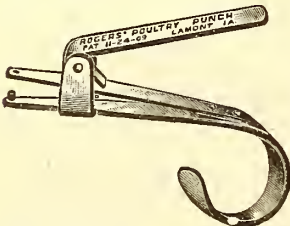
Generally about one-half of all birds hatched will be young roosters. By caponizing them you will be able to realize a very nice income on them, and does away with the necessity of getting rid of your surplus roosters for a low price. We have sold the Beuoy Caponizing Sets for a great many years and we can recommend them to you very highly. Price, each \$4.50, with box, \$5.50. Tripod table \$3.00 each, post paid.

THE SEARCHLIGHT EGG TESTER



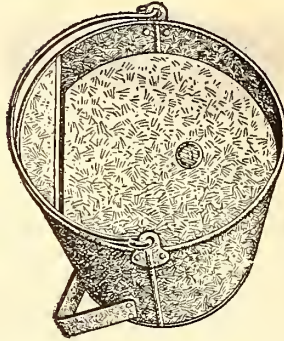
This is a practical egg tester. It is moved over the egg instead of the egg over the tester, thereby not only saving the handling of all eggs, but the light penetrates at the top where the germ rests and makes this tester very effective at the early stage of incubation. It clearly illuminates the entire contents of the egg and does not injure the germ, even if held in close contact. It is possible to test 50 eggs a minute with a little practice and is operated directly from light circuit. Price \$5.00 each, post paid.

ROGERS POULTRY PUNCH



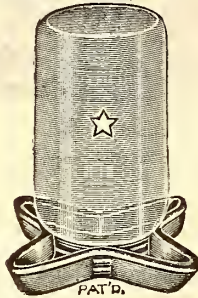
This punch has proven to be the IDEAL one to toe-mark chicks. You MUST have a permanent mark on each fowl in order to breed intelligently and farmers should toe-mark every chick. This enables them to keep the old hens sold off, as you know then what year they were hatched in. The MONEY-BACK is used extensively by our best fanciers and by many State Agricultural Colleges. It works easily, is handy and you can see what you are doing. It is GUARANTEED to be satisfactory to you or can be returned for adjustment or your money back. Sixteen different markings can be used—all you do is press the lever and "Presto" there is a clean cut hole that won't grow up and is there permanently. Price 40c each, postpaid.

BUCKET FOUNTAIN



Made of heavy galvanized sheet steel, 4 gal. capacity. It is shaped like an ordinary water pail, having a heavy galvanized hulkhead, which when the fount is placed ready for use only allows a certain amount of water to be available for chickens. This fount is particularly adaptable to poultrymen having a fairly large flock of poultry and do not have running water. \$2.65 post paid.

STAR FOUNTAIN



Convenient and practical. Fits any Mason Fruit Jar. It is of heavy rust resisting metal, no seams, no solder, no parts to lose and is very handy for Baby Chicks. Price 15c each, post paid.

HAWES AUTOMATIC VALVE COMBINATION

Hawes Automatic Water Valve



for watering poultry and small stock

A combined automatic valve and individual shut-off. The automatic valve, complete in a screw cage is as easily removed for cleaning or replacement as a tire valve. The needle valve may be adjusted to reduce the water pressure or used as a shut-off, to avoid disturbing the rest of the line.

Adjusted to drip, fowls, need never be without water should automatic become obstructed. Made entirely of copper and brass, nothing to rust or wear out. Price \$1.35 each.

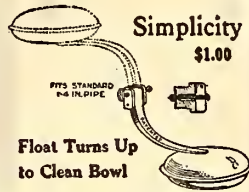
WATER TROUGHS



Triple coated porcelain enamel, for use with both simplicity and combination automatic water founts. Can also be used as a buttermilk feeder. This trough is made of one piece of heavy rust resisting steel, triple coated inside and double coated outside with porcelain enamel, white with blue edges. Length 36", capacity 5 qts. Price \$2.90 each, post paid.

SIMPLICITY

\$1.00

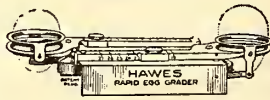


Float Turns Up to Clean Bowl

The name is from the remark invariably made when the valve is first seen, "How Simple" and in use it is as satisfactory as it is simple. It is very popular with large ranches, using one shut-off for a whole line of valves.

Several large poultry ranches are each using over 100 of these valves with entire satisfaction. Once installed, your expense is over as valve will give years of satisfactory service.

HAWES RAPID EGG GRADER



Two complete scales in one handy unit, with nothing to shift, gives the utmost rapidity in grading.

Grades pewee from pullet and pullet from standard eggs, accurately in any position, on account of the equalizer. The four knife edge bearings give great accuracy. One end selects pewee from pullet and the other end pullet from standard.

Each side of the scale can be adjusted with the sliding weight on the bar, to weight by ounces from 19 oz. to 27 oz. per dozen. There are no loose weights to mislay or lose.

After setting each side to weigh the grades wanted, there is nothing to do but test the eggs on either end of the scale. Any other grades can be had instantly by sliding the weight to the figure wanted.

Handsomely made of solid copper on a rust proof base. It is very compactly built so that it can be placed in the handiest position for rapid work. Can be fastened in a permanent place if desired with screws down through the holes in the base.

Price \$2.50 each, postpaid.

McCANDISH CHICK FEEDER



Ideal for feeding baby chicks. It is equipped with a special roll top cross bar which does not allow chicks to get on the feeder, made of heavy galvanized iron. 20 inch, 55c each post paid, 30 inch, 85c each post paid.

ECONOMY DOUBLE NUMBERED PIGEON BANDS



These bands are made from the highest grade of clear colored celluloid with large black figures on a white background, protected by a thick transparent color of clear celluloid. It will stand the wear and tear of long continued use. Furnished in the colors, Pink, Black, Green, Blue, Yellow, Red and White.

Price—Postpaid

50 Bands (25 pr.)	\$.90
100 Bands (50 pr.)	1.60
200 Bands (100 pr.)	3.00

BANDETTES — CELLULOID FLAT LEG BANDS



Bevel ended with spring clip pattern, giving the band a neat jointless appearance, leaving nothing unprotected, the inside being smooth the legband cannot hurt the bird. Five colors, blue, red, yellow, green and pink. Two sizes, No. 9 for Leghorns and No. 11 for American size birds. Furnished in sets—1 to 25, 1 to 50 and 1 to 100. Price \$2.00 per 100 hands, post paid.

SPIRALETS



The poultryman's standard leg band used universally by all poultrymen to identify age, etc., of the birds, using one color for birds hatched in January, another color for those hatched in February, etc. They are furnished in the following colors: White, Dark Blue, Green, Yellow, Black, Ruby, Light Blue, Red and Pink.

The number of hand shows the size in 1/16 of an inch.

	Per 100	Per 1000
No. 4—Chick size	\$0.35	\$2.60
No. 5—Pigeon size	.40	2.80
No. 6—Growing Chick Size	.40	3.25
No. 7—Bantam Size	.50	3.50
No. 9—Leghorn Size	.60	3.75
No. 11—American Size	.65	4.50
No. 12—Asiatic Size	.70	4.75
No. 14—Turkey Size	.75	6.50

NOPCO COD LIVER OIL

All poultrymen realize the value of Cod Liver Oil in poultry feed. Nopco Cod Liver Oil Fortified in Vitamin D potency is pure, unadulterated Cod Liver Oil.

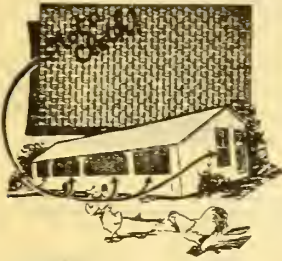
The day has passed when Cod Liver Oil will be purchased at a certain price per gallon. The economical way to buy Cod Liver Oil is on the basis of results and cost per 100 lbs. of finished feed.

Nopco Cod Liver Oil will give you superior results at the lowest possible costs. It

1. Increases Egg Production
2. Eliminates Soft Shelled Eggs.
3. Helps to Eliminate Blood Spots
4. Improves Hatchability
5. Produces Stronger Chicks
6. Builds Rugged Bone Structures
7. Promotes Growth
8. Reduces Mortality
9. Gives a Better Moults
10. Conditions and Protects against Disease

Prices: 1-Qt. Size, 80c each; 2-Qt. Size, \$1.50; 1-Gal. Size, \$2.50, postage extra.

POULTRY AND FARM SUPPLIES



Cel-O-Glass

For Poultry House
or Barn Windows,
Screen Porches, etc.

You can put a stop to broken windows and for all by replacing your expensive, fragile glass sash with larger lights made of unbreakable Cel-O-Glass.

Cel-O-Glass is a light-weight, flexible, weatherproof material made by coating wire mesh with a transparent substance which will not run off or dry up. It can be cut or bent to any desired shape and is practically indestructible.

Cel-O-Glass will shed the heaviest rains. It is unaffected by extreme cold, and will stand over 400 degrees Fahrenheit, and will not rust.

In addition to furnishing protection for your poultry or screen porch, Cel-O-Glass lets through the valuable, stimulating and health-giving Ultra-Violet rays of the sun. Glass absorbs the Ultra-Violet rays and keeps them out.

By using Cel-O-Glass for your poultry houses and scratch pens, your chickens will lay better and grow faster, due to the invigorating effects of the Ultra-Violet rays which Cel-O-Glass actually feeds in.

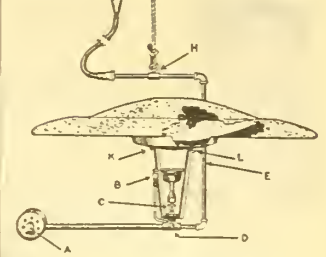
Cel-O-Glass comes in rolls one yard

wide and may be obtained at any length up to 100 feet (300 sq. ft.).

A hammer and a box of ordinary galvanized staples or tacks are the only tools necessary to put up Cel-O-Glass anywhere. You can cut it with an ordinary pair of scissors and then tack it on as you would mosquito netting. You do not need any putty or galvanized points. Prices: 1 sq. ft., 20c per sq. ft.; 30 sq. ft., 19c per sq. ft.; 75 sq. ft., 18c per sq. ft.; 150 sq. ft. 17c per sq. ft.; 1 Roll, 300 sq. ft. (100x3), per sq. ft., 15¹/₂c, postage extra.



THE HART GAS BROODER



Equipped with the famous Hart Thermostat and the Hart high-powered blue flame gas burner. This Gas Brooder was designed especially for the large poultry ranches where efficiency combined with low cost of operation is essential. It will work with artificial, natural or rock-gas. The boiler is 36" in diameter and we recommend it for the use of 500 chicks. Many, however, are brooding 750 chicks with it. Price, \$12.75 each. Jr. Thermostat alone, \$5.00 each. Hart Gas thermostat alone, \$7.50 each.



More Milk

from the Cows you
have with Kow Kare
and Bag Balm

give the monthly yield of milk. Testing the butter fat of the milk for three days and striking an average will give the quality figures.

Generally the cows to be considered profitable should produce at least 2900 yearly without being forced to a harmful degree. If a cow falls below this yield she should be viewed with suspicion—but not immediately condemned.

Many cows capable of large milk yields and apparently in good health are poor milkers for protracted periods, merely because some part of their milk-producing mechanism has been overworked. Such cows need treatment. Kow-Kare, every year, makes thousands of cows real profitable producers and pleasing surprises for their owners.

In almost every dairy certain cows pay and certain others are "boarders." No business can succeed with losses that offset the profits. Therefore, the first aim is to see that no cows are permitted to be an offset on profits. Every farmer can simply and easily keep a sufficient record to prevent cows from being boarders at a loss. Taking a weight record of the yield for three certain days each month, multiplying by 10 will



Kow-Kare also aids considerably in treating colds, anaemia, diarrhea or scours, gorging, milk fever and bloating. Prices: 1¹/₄ lb. size, 65c each; 2³/₄ lb. size, \$1.25 each; 6 cans for \$6.75, post paid.

BAG BALM

This popular healing ointment makes thousands of new friends every year. For caked Bag or garget that frequently follow calving, for swollen quarters, for sore teats, chapping cuts, scratches, cracked teats, etc., there is no better remedy.

Bag Balm is clean and pleasant to use and will NOT taint the milk. Large 10-ounce package costs only 60c, post paid.

The Western Poultry Book

By MRS. A. BASLEY

The chicken business from first to last. The Western Poultry Book should be in the hands of every poultryman whether he is a beginner or one of many year's experience.

Mrs. Basley has spent her whole life studying fowl of all kinds. For many years, she has been lecturer of the Farmers Institutes in the extension courses of the University of California and for four years instructor in poultry husbandry at the Poultry School of the University of California. Editor or Associate Editor of four agricultural magazines and some newspapers on the Pacific Coast.

Many questions have, during this time, been propounded to her relating to the poultry business, its difficulties, the troubles of poultry raisers and ailments of fowls. Many of these questions are found in the Western Poultry Book with the answers to them; also remedies for the diseases of fowl in this climate.

There are chapters on poultry houses, incubation, care of chicks, turkeys and how to raise them, ducks and their varieties, geese, pheasants, guiney fowl, bantams, canaries and many Basley food formulae. In fact, the Western Poultry Book covers practically everything of interest to the Pacific Coast poultrymen. Price, \$1.00 postpaid.

PULVEX

The non-poisonous Flea Powder for Dogs, Cats and Canaries. Actually kills all the fleas. Still is harmless to your children and pets. Simply dust the powder well and rub in thoroughly. Pulvex is used regularly by many of the largest fox breeding farms where fine coats are a necessity.

PRICES

3/4 oz. for Canaries.....	\$.25
2 oz. for Dogs and Cats.....	.50
12 oz. size.....	1.25

Postpaid

DERRISOL

Derrisol is a non-poisonous, highly concentrated brownish liquid, made from the Derris Root, the same material as Pulvex only it is in liquid form. Derrisol is used as a spray for aphids, thrips, red spider and many other insects.

Derrisol is safe to use on plants, non-poisonous to humans or animals, odorless in solution, concentrated and effective. Use 1 to 2 teaspoonsful to 1 gal. of water.

PRICES

1 oz.....	\$.35
3 oz.....	1.25
1 lb.....	2.25

Postpaid

QUEEN BROODER STOVE

Nearly a quarter of a century of satisfactory service stands behind every Queen Brooder. Thousands are in daily use by poultry raisers in every part of the country. The Queen line is famous as the high-grade, moderate-priced line of America.

The use of Queen Brooders in Agricultural Colleges and Experimental Stations the country over stands as proof of the high regard in which these brooders are held by experts and institutions of learning.

No. 0—400 Chick Capacity.....	\$16.50
No. 1—600 Chick Capacity.....	21.00
No. 2—1200 Chick Capacity.....	27.00
No. 3—1600 Chick Capacity.....	30.00

By Freight only, F. O. B., Los Angeles

The hovers used on Queen Brooder Stoves are collapsible, being made of four pieces of high grade galvanized iron. Have heavy cast iron ring on top which holds boiler firmly on stove. You do not have to raise boiler to refuel a Queen Brooder Stove.

Queen Brooder Stoves burn any kind of coal with equal satisfaction. For genuine chick raising satisfaction every season use a Queen. There is a model for every need, at a price to fit your pocketbook.



INSECTICIDES ~ FUNGICIDES

ANTS DESTROYED



New Method "gets" them at their source — safe, permanent, effective.

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

The complete system should cover every 15 feet around the outside of the house or "ant" trails in the garden. Prices—Antrol sets containing 4 containers and 1, 4-oz. bottle of syrup, 95c; Antrol extra containers (each), 15c; Antrol syrup, 4-oz. bottle, 35c; pints, 75c; gallons, \$3.00.



Antrol

The National Ant Control
CANNOT BE MAILED

Kills Insects
RED ARROW SPRAY
NON-POISONOUS

Red Arrow is a Pyrethrum non-poisonous spray for both sucking and chewing insects. It is used in greenhouses, the flower garden and on vegetables.

Red Arrow is safe to use around children or pets. Still, it is deadly to insects. It is economical and its use will prove its effectiveness to you. Use it one to two teaspoonsful to 1 gal. of water.



PRICES

1 oz. ....	.35
3½ oz.	\$1.00
½ pt.	1.75
1 qt.	6.00

Postpaid



SEMESAN

Control "Damping Off" and Seed-Borne Diseases of Grain, Field and Forage Crops, Vegetables, Corn, Potatoes and Flowers. Better Flowers and Finer Vegetables Grown from Seeds Disinfected Against Disease with Semesan

SEMESAN. The only chemical that can be applied in either the liquid or convenient dust forms to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, bulbs, and seed pieces. Semesan controls diseases such as "Damping-Off," "Brown Patch," and "Crown Gall," and is just as effective for flower and nursery seeds or plants as for disinfesting field, grain, and vegetable seeds. Ask for Vegetable, Flower, Nursery, "Damping-Off," "Brown Patch" booklets.

SEMESAN BEL. This is the new instantaneous dip treatment for both white and sweet potatoes that is fast replacing all formerly practised methods of seed potatoes disinfestation and is equally useful for controlling diseases of similar roots and tubers of other vegetables and flowers. Ask for Semesan Bel booklet.

SEMESAN JR. This material is easily applied to sweet and field seed corn by the convenient dusting method and disinfects thoroughly against diseases such as the ear, stalk, and root rots, thereby increasing not only the germination but also the final crop yield by 20 to over 40 per cent. Write for Semesan Jr. booklet.



Prices For Du Pont Semesan

2 ozs.	\$ 0.50
1 lb.	2.75
5 lbs.	13.00

Prices for Jr. and Bel

1 lb.	\$ 1.75
5 lbs.	8.00
25 lbs.	31.25

Cannot be mailed.



QUICKLY KILLS GARDEN PESTS

Science Provides New Safe Method that Does the Work Without Fuss
Snails, Cutworms, Slugs, Grasshoppers, Sowhugs, Earwigs, etc., are Exterminated



Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. Prices—1-lb. package, 35c; 3-lb package, 75c; 15-lb. package, \$2.95; 50-lb. bags, \$8.50.

Snarol

The National Pest Control
Cannot be mailed.



Fungtrogen

FUNGICIDE AND STIMULANT
REG. U.S. PAT. OFF.

For Mildew and Black Spot on Roses

A successful fungicide, highly concentrated, that mixes readily with water and is easy to apply. Harmless to foliage or blossoms. Invisible. The noted Rosenbluth formula combined with the nitrogenous fertilizing product known as Hortogen, that results in increased plant vigor, superb foliage and amazing blooms.

Fungtrogen is a highly scientific and effective preventative of most fungous diseases of the rose and works equally as well on other flowering plants, such as

hollyhocks, snapdragons, geraniums, phlox, sweet peas, carnations, etc. For use outdoors and under glass.

Fungtrogen carries its own spreader, simply mix with water. Makes 60 times its volume—economical.

½ pt.	\$0.75
Pt.	1.25
½ gal.	2.00
Gal.	3.50
	6.00

Postage extra.

CERESAN

Dust treatment for all small grains. Now, only one product is necessary for the seed treatment of wheat, oats, barley, rye or sorghum, CERESAN. Here is an easily applied dust treatment which has proven effective in controlling such seed-borne diseases as bunt or stinking smuts of wheat; stripe disease of barley loose and covered smuts of barley and oats and covered kernel smut of sorghum.

This is the only dust treatment which has successfully controlled all of these grain diseases as well as being the first effective dust disinfectant to be offered the farmer for control of barley stripe and smuts. Ceresan does not injure the seed nor the grain drill. Only 2 ounces of Ceresan required per bushel of wheat, rye or sorghum, and 3 ounces for barley and oats. Easy to apply, economical to use. Prices: 8-oz. tin, 50c; 1-lb. tin, 75c; 5-lb. tin, \$3.00 25-lb. pail, \$12.50. Express only.



NU-GREEN FOR LAWNNS

A new soil treatment that enables one to have luxuriant lawns, beautiful and colorful all season.

This new soil treatment has made these results possible, bringing in the latent beauty of your lawn by performing a double service never before offered in a lawn or soil treatment.

First, Nu-Green offers soil disinfection which protects grasses against destructive Brown-Patch.

Second, it brings to your lawn stimulating nutriment which produces early vigorous growth and insures hardy full development.

Nu-Green is scientifically correct in theory, and strikingly effective in practical use. It is clean to handle and delightfully easy to apply.

Famous Golf Clubs use Nu-Green to keep their costly greens in perfect condition. It is used by simply adding water and then applied by sprinkling can.

Use one pound of Nu-Green to 50 gal. of water or 2½ teaspoonsfuls to 1 gal. of water. In this proportion, 1 lb. of Nu-Green is sufficient for 1000 sq. ft. of lawn.

On new lawns Nu-Green should be used every other week, after a fair growth of grass is developed; using the Nu-Green solution 1 lb. to 50 gal. of water. This will prevent damping off and certain other fungous attacks which frequently ruin new lawns. Prices 3 oz. tin, 50c; 1 lb., \$2.00; 5 lb., \$9.00. CANNOT BE MAILED, shipped by express only.

INSECTICIDES ~ FUNGICIDES

There are many different insects and diseases that trouble flowers, trees and vegetables. If you are not quite sure as to the identity of the pest that you are troubled with, the following is a simple rule that you generally go by.

Sucking insects, such as aphid (the green lice on roses, etc.), thrips, etc., are easily killed with a contact poison, this generally is some form of pyrethrum or nicotine. This type of insect lives on the juices of plants and flowers and does not eat the leaves. Good contact sprays are Black Leaf 40, Evergreen, Fish Oil Soap, Lemon Oil and Rosin Spray.

The other class of insects are chewing or leaf eating insects, such as caterpillars, beetles, etc. These eat the leaves and must be killed by a stomach poison, such as Arsenate of Lead.

For the fungus diseases, such as blight, mildew, etc., you can use Corona Bordeaux Mixture, Volck, Fungtrogen, Sulphur, etc. The articles listed below explain insecticides and fungicides, giving amounts to use. Write for our spray chart, which is very complete.

*Items marked * can be sent by parcel post at purchaser's expense.*

***Derrisol**—A concentrated non-poisonous liquid containing 5% Derris extract and other chemicals combined in such a way as to make an efficient contact insecticide. Derrisol is effective against aphid, thrips, red spider, etc. Use 1 to 2 teaspoonsful to 1 gal. of water. Price, 1 oz., 35c; 8 ozs., \$1.25, postage extra.

***Red Arrow**—A Pyrethrum soap, non-poisonous, used very successfully for aphid, cucumber beetle, squash bugs, etc. Use 1 to 2 teaspoonsful to 1 gal. of water. Price, 1 oz., 35c; 3½ oz., \$1.00, postage extra.

Nicona—A nicotine and oil spray, effective against aphid, thrips, red spider, scale, mealy bug and mildew. Generally use 2½ tablespoonsful to 1 gal. water. Prices, ½ pt., 45c; 1 pt., 60c; 1 qt., 90c; 1 gal., \$2.35. *Cannot be mailed.*

The Antrol System—Consists of 4 small containers and one 4-oz. bottle of Antrol Syrup. This syrup is a mild poison and is greedily eaten by Argentine Ants, the small black fellow that sometimes is a pest in the house. Per set, \$1.00—*cannot be mailed.*

Corona Dry Arsenate of Lead—The best known and most extensively used stomach poison for chewing or leaf-eating insects, Caterpillars, etc. It is safe to use on most plants. Generally, used one tablespoonful to one gallon of water, or one pound to 50 gallons of water. Can also be used as dust—1 lb. to 5 lbs. of Hydrated lime, 1 lb., 40c. Commercial Growers, 4 lb. package, \$1.00. Per case of 48 lbs., 20c per lb.—*Cannot be mailed.*

Black Leaf 40 (or Nicotine Sulphate)—The most popular insecticide for sucking insects, such as aphid, the most common of which is the green plant louse that infests your roses. Use 1 to 2 teaspoonsful to 1 gal. of water, 1 to 2 oz. to 6 gals. of water. It is best to use a small amount of Volck or Fish Oil Soap for better coverage. 1 oz. bottle, 35c; ½ lb., \$1.25—*Cannot be mailed.*

Bluestone (or Copper Sulphate)—Used in preparing home-made Bordeaux Mixture. 1 lb., 25c; 5 lbs., 20c per lb.—*Cannot be mailed.*

Gophergo—Poisoned raisins and grain. A particularly effective poisoned food for gophers. 10 oz. package, 50c; 20 oz. package, 1.00. *Cannot be mailed.*

Calispray Garden Dust No. 82—An all around garden dusting material for use against chewing and sucking insects such as Caterpillars, Aphid, etc. It is already to use and consists of 7½% nicotine sulphate, 20% Arsenate of Lead, 20% dehydrated copper sulphate and 52½% releasing carrier. 4 oz. package, 25c; 1 lb. 55c. *Cannot be mailed.* A small duster, the Calispray Puffer is very handy to spray the above. 25c each, postage extra.

***Sulphur**—Anchor Brand Sulphur is best for dusting grape vines, roses, etc., for mildew. 1 lb., 10c; 5 lbs., 35c; 10 lbs., 65c; postage extra.

Dry Lime Sulphur—A powdered form of Lime Sulphur. Use ½ to 2 level teaspoonfuls to 1 gal. of water; 1 lb. to 5 gals. of water. 1 lb., 35c; 5 lbs., \$1.40. *Cannot be mailed.*

Corona Coppercarb—Copper Carbonate for treating gummosis commonly affecting peach trees and citrus trees. Use 1 lb. to 1 gal. of water—scrape the gum off the bark and paint thickly with the mixture. Coppercarb is also used for bunt or stinking smut in wheat. It is applied without mixing further directly to the grain. 1 oz. to treat ten lbs. of seed wheat. 1 lb., 30c; 5 lbs., \$1.20. *Cannot be mailed.*

Cyanogas (Calcium Cyanide)—For greenhouse fumigation use ¼ oz. for every 1000 cubic feet of space. Also very effectively used for treating gopher and squirrel holes, ants, moles and rats. Per lb., 75c; 5 lbs., \$2.50. *Cannot be mailed.*

Flit—A Household Insecticide, destroys flies, mosquitoes, moths, bed bugs, roaches, etc. Close doors and windows and spray freely about the room. Flit Spray penetrates cracks and crevices, destroying the insects, their eggs and larva. 1 pt., 75c; 1 qt. \$1.25; 1 gal., \$4.00. *Cannot be mailed.*

***Fungtrogen**—A highly concentrated form of the famous Rosenbluth formula, which has been used with phenomenal success in the nationally known rose garden at Wallingford, Pa. It is an effective and scientific preventive for mildew, black spot and certain other fungus diseases of roses. Use 1 tablespoonful to 1 qt. of water, 2 ozs. to 1 gal. of water. ½ pt., 75c; 1 pt., \$1.25; 1 qt., \$2.00. 1 gal., \$6.00. Postage extra.

Corona Bordeaux Mixture (Fungi Bordo)—For blight, rust and fungus diseases. For general use—2 ozs. to 1 gal. water, 6 lbs. to 50 gal. water. Per. lb., 40c; 5 lbs., \$1.50. *Cannot be mailed.*

Lime Sulphur Solution—A reliable dormant spray for most deciduous trees. Convenient to use, requires no preparation other than stirring into water. Very effective for San Jose Scale. For peach leaf curl, spray just as the buds begin to burst. 1 pt. to 5 qts. of water, 1 gal. to 10 gals. of water. 1 pt., 25c; 1 qt., 40c; 1 gal. \$1.00. *Cannot be mailed.*

***Fish Oil Soap**—An excellent spreader for Blackleaf 40 or Arsenate of Lead. Use 3 ozs. to 1 gal. of water. 1 lb. bar, 25c; 5 lbs., \$1.00. Postage extra.

***Lemon Oil**—A standard insecticide used by the most prominent Florists and Seedsmen against Scale, Mealy Bug, Rust, Aphid, Caterpillars, etc., on Palms, Rose Bushes, Ferns, etc. We recommend it for use in the home, on ferns and other household plants, as it leaves no disagreeable odor and is not dangerous to use. Use 1 tablespoonful to 1 pt. of water. ½ pt. to 4 qts. of water. ½ pt., 45c; 1 pt., 70c; 1 qt., \$1.20 and 1 gal., \$3.25. Postage extra.

Poisoned Barley—Used extensively for poisoning Ground Squirrels. 1 lb., 40c; 5 lbs., \$1.40; 25 lbs., \$5.50. *Cannot be mailed.*

Rosin Spray—A paste material effective against scale, aphid, etc., on citrus trees, rose bushes, etc. Use 1 lb. to 4 gals. of water. 1 lb., 35c; 3½ lbs., 90c. *Cannot be mailed.*

Snarol—A ready prepared meal that you simply broadcast on the ground under the vegetation. Will not deteriorate from rain and is non-injurious to vegetation. Snails, Slugs, Cutworms, etc., eat the meal and are quickly destroyed. 1 lb., 40c; 3 lbs., 85c; 15 lbs., \$3.25; 50 lbs., \$8.50. *Cannot be mailed.*

Carbon Bisulphide—A highly inflammable liquid for use with Waste Balls against Gophers, Ground Squirrels, etc. One waste ball will soak up 1 oz. carbon bisulphide. Per pt., 35c; per qt., 60c. *Cannot be mailed.* Waste Balls, 20c per doz.; \$1.00 per 100. Postage extra.

***Volck**—One of the most powerful insecticides known. It is effective on practically all insects on ornamental and flowering plants—Red Spider, Aphid, Scale, Mealy Bug, etc. Volck is odorless, colorless and non-poisonous. Generally used 3 level tablespoonfuls to 1 gal. of water. ½ pt., 40c; 1 pt., 55c; 1 qt., 80c; postage extra.

***Tree Tanglefoot**—A syrupy paste that you put around the tree trunk or other places. No crawling insect can pass a band of tree tanglefoot. One pound covers a strip 4 inches wide and 6 ft. long. Prices: 1 lb., 60c; 5 lbs., \$2.75, postage extra.

Gopher Firecrackers—Very effective against Gophers and Ground Squirrels. Light the fuse and put down in the hole. It throws off a poisonous gas. Each 5c; per doz., 50c. *Cannot be mailed.*

SEEDS of SHRUBS and TREES

Acacia

- 4425 **BAILEYANA**. Glauous pinnate foliage. Covered with yellow flowers in late winter. Oz. 60c.
- 4426 **CULTRIFORMIS** (Knife Leaved Acacia). Oz. \$1.50.
- 4427 **DEALBATA** (Silver Wattle). Finely cut foliage. Yellow flowers in late winter. Oz. 60c.
- 4428 **DECURENS** (Green or Black Wattle). Good tree for avenues. Oz. 60c.
- 4429 **FLORIBUNDA**. Quick growing, pendulous habit. Oz. 60c.
- 4431 **LATIFOLIA** (Longifolia). Oz. 75c.
- 4434 **MELANOXYLON** (Black Wood). A favorite street tree. Oz. 60c.
- 4437 **PODALYRIAEPOLIA**. A shrub flowering early in winter. Oz. \$1.75.
- 4439 **SALIGNA** (Willow-leaved Acacia). Oz. 90c.
- 4441 **VERTICILLATA**. Fine for lawns and groups. Oz. \$1.75.
- 4448 **ARBUTUS UNEDO** (Strawberry Shrub). Foliage dark green, bears flowers and strawberry-like fruit in fall. Oz. \$1.50.
- 4454 **BUXUS SEMPERVIRENS** (Evergreen Box). Oz. 45c.
- 4456 **CALLISTEMON RIGIDUS** (Bottle Brush). Oz. \$1.75.
- 4459 **CAMPHORA OFFICINALIS** (Camphor Tree). Symmetrical street tree or for lawns. Oz. 35c.

Cassia

- 4469 **GRANDIFLORA FLORIBUNDA**. Spreading shrub, bright yellow flowers. Oz. \$2.25.
- 4470 **TOMENTOSA** (Wooly Senna). Bright yellow flowers in winter. Oz. \$1.50.

Casuarina

- 4464 **EQUISETIFOLIA** (Beefwood). Needle-like leaves, good street tree. Oz. \$1.10.
- 4466 **STRICTA** (She-Oak). Tall growing, good for roads. Oz. \$1.75.
- 4468 **CATALPA SPECIOSA** (Indian Bean Tree). Oz. 75c.
- 4473 **CERATONIA SILIQUA** (St. John's Bread). Carob tree. Dark green, thick growing, fine for street. Oz. 30c.
- 4472 **CEDRUS DEODORA** (Himalayan Cedar). Silvery green, drooping. Oz. \$1.25.
- 4474 **COPROSMA BAUERI**. Very glossy foliage, fine dwarf shrub. Oz. \$1.50.

Cotoneaster

- 4475 **FRANCHETI**. Orange berries. Tall growing. Oz. 75c.
- 4480 **HORIZONTALIS**. Low spreading. Red berries. Oz. \$1.00.
- 4476 **PANNOSA**. Tall, leaves deep green, silver beneath. Berries vermilion red. Oz. 75c.
- 4477 **CRATAEGUS YUNNANENSIS**. Oz. \$1.10.
- 4478 **CRATAEGUS PYRACANTHA**. Dark green with orange red berries in winter. Oz. 90c.
- 4479 **CRYPTOMERIA JAPONICA** (Japan Cedar). Oz. 75c.

Cupressus

- 4481 **ARIZONICA** (Blue Cypress). Silvery blue, stands much heat and frost. Oz. 60c.
- 4484 **MACROCARPA** (Monterey Cypress). Quick growing, fine for hedge or single specimens. Oz. 50c.
- 4486 **SEMPERVIRENS** (Italian Cypress). Tall and tapering, for formal effect. Oz. 60c.
- 4487 **CYDONIA JAPONICA** (Japanese Quince). Oz. \$1.10.
- 2902 **DRACAENA AUSTRALIS**. Slender stems surmounted by dense tuft of long strap-like leaves. Oz. \$1.00.
- 2903 **DRACAENA INDIVISA**. Leaves narrower than above. Oz. 75c.

Eucalyptus

- 4596 **CORYNOCALYX** (Sugar Gum). Stands heat and drouth, but little frost. Oz. \$1.10.
- 4599 **FICIFOLIA** (Scarlet Flowering Gum). Ornamental, big clusters of crimson flowers. 100 seeds \$1.00.
- 4601 **GLOBULUS** (Tasmanian Blue Gum). Fast growing, succeeds best near the coast. Oz. \$1.20.
- 4606 **LEUCOXYLON** (Victorian Ironbark). Stands heat and cold inland or near the coast. Oz. \$1.10.

The collection of shrubs and trees described on this page contains only varieties of recognized ornamental value for garden or street planting, which can be successfully grown from seed.

It must be remembered, however, that hard wooded perennials germinate and develop more slowly than most herbaceous plants; but, if cared for over the required period, they are no harder to grow than annual flowers or vegetable plants.

Sow tree seeds at the latter part of winter or in spring, preferably in seed boxes of light, well-drained soil; covering the seed about its own depth or a little deeper. Press the soil firm with the hand after sowing and keep boxes in a lath house, frame, or some sheltered place, watering regularly and carefully. When seedlings are large enough to handle, pot or transplant to other boxes and grow on until large enough to set out in the open.

Acacia and other hard seeds should be soaked in hot water for 12 hours before planting.

Germination of certain varieties is slow and irregular, therefore seed boxes must be given good care over a protracted period as seedlings often continue to appear for several weeks and in some cases several months.

PRICE: All varieties of tree seeds offered on this page are 15c per packet.

- 4621 **ROBUSTA** (Swamp Mahogany). Thrives in low moist land, good for wind break or street. Oz. \$1.10.
- 4622 **ROSTRATA** (Red Gum). Succeeds under great variety of conditions. Heat, cold, drouth or moist land. Oz. \$1.10.
- 4623 **RUDIS** (Desert Gum). Will stand heat and cold; good in desert or near coast. Oz. \$1.10.
- 4629 **TERETICORNIS** (Gray Gum). Good for commercial use. Stands varied climates. Oz. \$1.10.
- 4631 **VIMINALIS** (Manna Gum). Rapid growth. Stands hot interior and high altitude. Wood less hard, works well. Oz. \$1.10.
- 4493 **FRAXINUS VELUTINA** (Arizona Ash). Heat and drouth resistant, good shade tree for Arizona and New Mexico. Oz. 45c.

Genista (Broom)

- 4494 **CANARIENSIS**. Pretty Shrub, pea-shaped yellow flowers in spring. Oz. \$1.75.
- 4499 **GREVILLEA ROBUSTA** (Silky Oak, or Australian Fern Tree). Beautiful tree for avenues, etc., orange flowers in late spring. Oz. \$1.10.
- 4674 **GUAVA, STRAWBERRY**. Handsome shrub, foliage deep green. Fruit edible. Oz. \$1.00.
- 4676 **GUAVA, PINEAPPLE** (Feijoa Sellowiana). Dark green leaves with silvery reverse. Fruit excellent for jelly. 100 seeds 60c.

- 4500 **HETEROMELES ARBUTIFOLIA** (California Holly). Good shrub, bright colored berries at Christmas time. Oz. 35c.
- 4503 **JACARANDA OVALIFOLIA** (Brazilian Jacaranda). Feathery foliage, blue flowers in early summer. 10 pods 45c.
- 4506 **LEPTOSPERMUM LAEVIATUM**. Fast growing shrub, white flowers in spring. Oz. \$1.75.
- 4507 **LIBOCEDRUS DECURENS** (California Red Cedar). Oz. \$1.10.
- 4508 **LIGUSTRUM JAPONICUM** (Japan Privet). Leaves large, leathery. Good shrub or hedge. Oz. 35c.
- 4509 **LIGUSTRUM NEPALENSE** (Small leaved Privet). Bright green, quick growth, excellent for hedge. Oz. 45c.
- 4510 **LIGUSTRUM VULGARE** (Small leaved English Privet). Similar to Nepalense. Same uses. Oz. 35c.
- 4518 **MELIA AZEDARACH UMBRACULIFORMIS** (Texas Umbrella Tree). Handsome street or shade tree. Stands much heat. Oz. 30c.

Melaleuca

- 4515 **ARMILLARIS**. (Spreading shrub, creamy white flowers. Oz. \$1.75.
- 4514 **HYPERICIFOLIA**. Tall, with rich red flowers. Oz. \$1.75.
- 4516 **NESOPHILA**. Gray green, spreading shrub; flowers rosy lilac. Oz. \$1.75.

- 4517 **METROSIDEROS TOMENTOSA**. Handsome shrub; flowers with crimson stamens. Oz. \$3.00.
- 4521 **MYRTUS COMMUNIS** (True Myrtle). Small white, fragrant flowers. Oz. \$1.10.
- 4522 **NANDINA DOMESTICA**. Attractive dwarf shrub, foliage colors in fall. Oz. 90c.
- 4523 **PARKINSONIA ACULEATA**. Thorny, drooping branches, leathery foliage, showy yellow flowers. Oz. 60c.

Pinus

- 4527 **CANARIENSIS** (Blue Pine). One of the best for So. California. Oz. 75c.
- 4528 **COULTERI** (Big Cone Pine). Native of San Bernardino Mountains and succeeds well under cultivation. Oz. \$1.00.
- 4530 **HALEPENSIS** (Aleppo Pine). A valuable species, very ornamental. Oz. 60c.
- 4529 **INSIGNIS** (Monterey Pine). Very successful near the coast. Oz. \$1.25.
- 4539 **TORREYANA** (Torrey Pine). A handsome native species of spreading habit. Oz. 90c.

Pittosporum

- 4641 **CRASSIFOLIUM** (Karo). Grey-green downy foliage, deep red flowers. Oz. \$1.50.
- 4542 **EUGENOIDES** (Tarara). Oz. \$1.25.
- 4543 **NIGRICANS** (Tawhiwhi). Small shiny leaves with leaf-stems almost black. Oz. \$1.50.
- 4547 **TOBIRA**. Dark green shiny leaves, numerous white fragrant flowers. Oz. \$1.10.
- 4548 **UNDULATUM** (Orange P.). A small tree with large deep green leaves. Oz. \$1.10.
- 4684 **POMEGRANATE** (*Punicum Granatum*). Oz. 75c.
- 4552 **PRUNUS ILLICIFOLIA** (California Cherry). Oz. 30c.
- 4553 **PRUNUS INTEGRIFOLIA** (Catalina Cherry). Oz. 30c.
- 4559 **SCHINUS MOLLE** (Mexican Pepper Tree). Finely cut bright green leaves, coral red berries. Oz. 20c.
- 4561 **SCIADOPYTIS VERTICILLATA** (Japan Umbrella Pine). Very ornamental. Oz. \$1.10.

Sequoia

- 4567 **GIGANTEA** (California Big Tree). Oz. \$3.00.
- 4568 **SEMPERVIRENS** (California Redwood). Oz. \$1.10.
- 4562 **SPARTIUM JUNCEUM** (Spanish Broom). Large, pea-shaped yellow flowers in profusion; rush-like leaves. Oz. 50c.

Sterculia

- 4564 **DIVERSIFOLIA** (Brachychiton Populneum, Australia Bottle Tree). Oz. 60c.
- Thuja**
- 4574 **ORIENTALIS** (Chinese Arborvitea). Tall. Oz. 45c.
- 4573 **ORIENTALIS AUREA** (Golden Arborvitea). Oz. 75c.
- 4576 **ORIENTALIS NANA COMPACTA** (Dwarf Chinese Arborvitea). Oz. 60c.
- 4578 **VIBURNUM TINUS** (Laurustinus). Oz. 60c.

PALM SEEDS

- 4635 **EXCELSA** (Hardy Fan Palm). Oz. 45c.
- 4636 **HUMILIS** (Dwarf Fan Palm). Oz. 25c.

Cocos

- 4639 **PLUMOSA**. Slender trunk, long plumed leaves; a favorite street palm. 100 seeds \$1.00.
- 4638 **AUSTRALIS** (Pindo Palm). 100 seeds \$1.00.

Erythraea

- 4641 **ARMATA** (Brahea Glauca). Blue Palm. Elegant fan palm. 100 seeds \$1.50.
- 4642 **EDULIS** (Brahea Edulis). 100 seeds \$1.00.

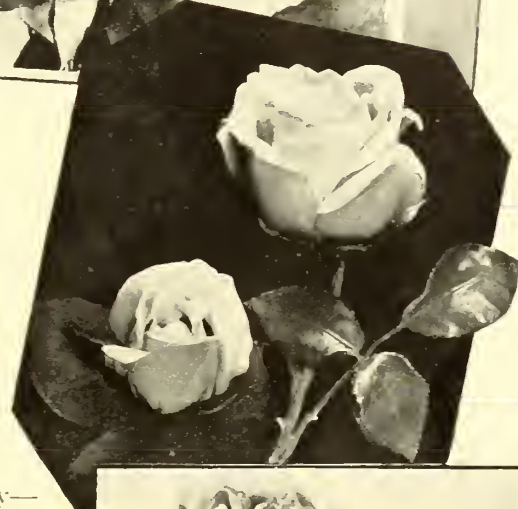
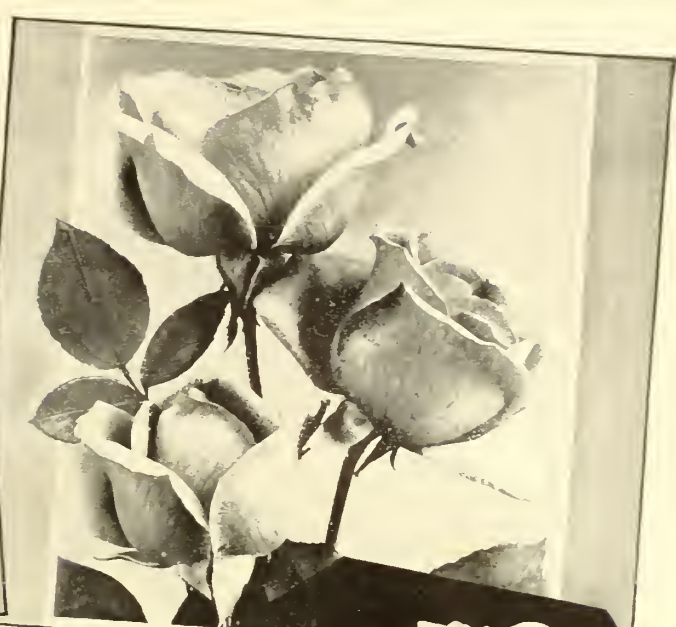
Phoenix

- 4649 **CANARIENSIS**. The ornamental date palm. 100 seeds 25c; 1000 seeds \$1.75.
- 4651 **DACTYLIFERA** (The Date Palm). Fruit edible. Oz. 30c.
- 4652 **RECLINATA**. 100 seeds 75c.
- Washingtonia**
- 4659 **FILIFERA** (California Date Palm). Oz. 25c.
- 4658 **ROBUSTA**. A robust Fan palm. Oz. 35c.

Our Check	Quantity Wanted	NAMES OF ARTICLES WANTED	PRICE	
			\$	Cts.
		BROUGHT FORWARD		

YOU WILL GREATLY OBLIGE US IF YOU WILL WRITE HERE THE NAMES OF FRIENDS WHO WOULD BE INTERESTED IN RECEIVING OUR CATALOG

NAME	POST OFFICE	COUNTY	STATE



GERMAIN'S

*Challenge Collection
Superior Quality*

ROSES

Large two-year-old bushes in six of the most outstanding varieties of the day—Each one a recognized favorite, noted for its beauty of form, freedom of bloom and delightful color—A veritable challenge in quality and value!

- Edward Mawley, Rich deep Red
- Felicity Glowing Cerise Pink
- Lady Hillingdon Favorite Golden Yellow
- Mme. Butterfly Delicate Salmon Flesh
- Rose Marie Exquisite Rose Pink
- Kaiserin Unrivalled soft creamy White

SPECIAL OFFER

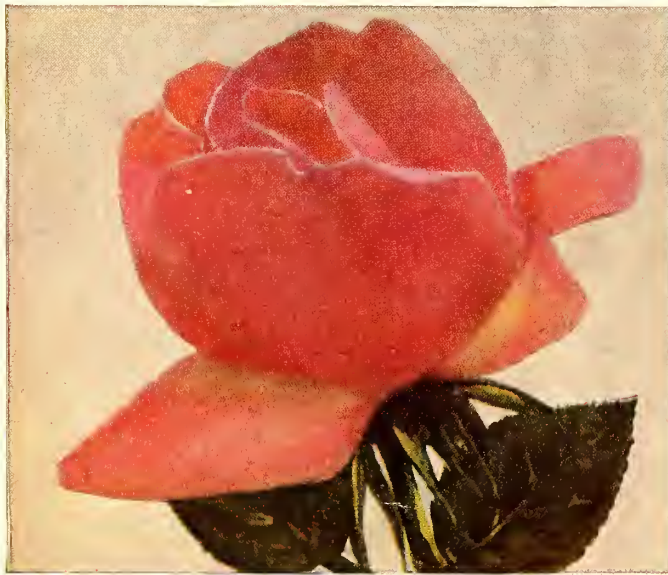
*One each of the above six
Superb Roses—*

“Germain's Challenge Collection”—

for \$2.50 by express (collect)—

Postpaid \$3.00





GERMAIN'S PEERLESS ROSE COLLECTION

Red Radiance (Upper left)	Bright Red	Duchess of Wellington (Upper right)	Golden Yellow
Los Angeles (Center left)	Flame Pink	Madam Cochet (Center right)	Carminé
Mme. E. Herriot (Lower left)	Coral Red	Mrs. Lovell Swisher (Lower right)	Salmon Pink

Six Peerless Roses for \$3.00; Postpaid \$3.35.