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Germain

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U. S. Department of Agriculture.

LOS ANGELES
1922



JACKIE COOGAN SAYS

"grow your own"

62.69

GENERAL DIRECTIONS TO OUR PATRONS

SEEDS BY MAIL

IMPORTANT NOTE—The weight limits in the 1st, 2nd and 3rd zones have been increased to 70 pounds; in other zones the limit is now 50 pounds

Parcels Post—Since the installation of the new parcels post law seeds, bulbs, tools, plants and garden supplies (excepting poisons and liquids) may be sent by mail to all parts of the United States, including Alaska, Canal Zone, Guam, Hawaii, Porto Rico and the Philippines. Packages are subject to a limit of maximum weight in the first and second and third zone of 70 pounds; in all other zones of 50 pounds. The maximum size of a package is 84 inches for length and largeness of the girth combined.

Zone Rates—May be had by applying to your postmaster, who will tell you which zone you are in with reference to Los Angeles or upon application we will tell you if you supply us with the name of your postoffice.

For Parcels Weighing 8 Ounces or Less, containing seeds, bulbs or books only, the rate of postage to all zones is 1 cent, for 2 ounces or fraction. (Over 8 ounces the parcels post rates apply).

For Parcels Containing Fourth Class Matter—other than the above—up to 4 ounces is permitted to all zones at 1 cent per ounce. (Over 4 ounces the Parcel Post zone rates apply.)

To Mexico the parcel post rate is 12 cents per lb. to any point. On shipments weighing 20 pounds or more beyond the 2d postal zone it is cheaper to ship seeds by express. As the express companies give a receipt for each package, it amounts practically to insurance without cost, whereas it costs extra, according to value, to insure a parcel post package. We guarantee the safe arrival in the U. S. of all seeds shipped by express or insured parcel post.

If goods are wanted by parcel post, postage must be added as per table below, except for those quantities of seeds we offer to deliver free.

FREE DELIVERY

FOR CERTAIN QUANTITIES OF SEEDS

We Deliver Free in the United States and Possessions, and Mexico, by Parcel Post or Express to any express office at our option all vegetable and Flower Seeds by the Packet, Ounce and 1/4 Pound, and up to and including ten pounds.

Purchasers pay transit charges on larger quantities of seeds, and other merchandise, unless otherwise provided.

When goods are wanted by Parcel Post, add postage for the quantities we do not deliver free (see Zone Rates on this page).

Please Order Early, thus enabling us to forward promptly. It will hasten forwarding materially, if customers will kindly make up orders alphabetically, as the goods are listed that way in the catalogue. Seeds are also put in compartments in our stores alphabetically, hence an order can be filled more quickly if it is made out in that manner.

Counter Customers—We suggest to those who purchase in person at our store the advantage of having their lists made out before they call. They may be left and called for later, taken at once, or shipped. In any case it is a great saving of time to the purchaser. The list should have full name and address written on it so that our catalogues may be mailed to the purchaser as issued. We also urge early purchases.

Error in the Filling of Orders—We use the greatest care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. 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 stamps or cash sent in a Registered Letter. We must decline sending goods C. O. D. unless 25 per cent, of their value accompanies the order.

Accounts—Parties having no account with us—who order goods without remittance—must furnish satisfactory reference.

NON-WARRANTY

Success with seeds, bulbs and plants depends as much upon the proper planting, soil, water, weather and other conditions as upon the seed.

We exercise every care in the selection of the seeds we offer and to this end maintain, at a great expense, a Trial Grounds where extensive tests are made of our seeds. We will not knowingly send out anything but seed of the highest quality and germination, but, as a protection against conditions over which we have no control, all sales of seeds, bulbs, plants, trees, etc., are made subject to the following non-warranty:

The Germain Seed and Plant Company gives no warranty, expressed or implied, as to 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.

Testimonials from Customers—We are always pleased to hear from our customers regarding the results of their gardens. Photographs of gardens and particularly of vegetables and flowers, are thankfully received by us.

Questions and Correspondence—We endeavor to answer promptly all letters of inquiry—which should be on separate paper from orders—but we cannot undertake the planning of entire gardens and grounds.

ZONES		1st	2d	3rd	4th	5th	6th	7th	8th
Weight in Pounds	Local	Up to 50 miles from Los Angls.	50 to 150 miles from Los Angls.	150 to 300 miles from Los Angls.	300 to 600 miles from Los Angls.	600 to 1000 miles from Los Angls.	1000 to 1400 miles from Los Angls.	1400 to 1800 miles from Los Angls.	Over 1800 miles from Los Angls.
		1	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	$0.11	$0.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.34	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

Insurance extra, 3c. for each package up to \$5.00, 5c. up to \$25.00, 10c. up to \$50.00.

PARCEL POST WEIGHT LIMIT

The weight limit within the Local, 1st, 2d and 3rd Zones is seventy (70) pounds, within the other Zones it is fifty (50) pounds and the size limit eighty-four (84) inches for combined length and largest girth.

Packages of seed weighing 8 oz. or less can be forwarded anywhere in the U. S. at a cost of one cent for each two ounces, or fraction thereof.

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	1 inch
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	1 inch
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	1/2 inch
Brussels Sprouts	2 Pkts.	4 oz.	October to May	2 1/2 ft.	2 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	1/2 to 1/4 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.	.....	1/2 inch
Chervil	3 Pkts.	1 lb.	Jan. to August	30 in.	5 in.	2 Months	3/4 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	3/4 inch
Corn Salad	1 oz.	5 lbs.	Feb. to Nov.	30 in.	8 in.	2 to 3 Months	3/4 inch
Corn, Sweet	3/8 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	3/4 inch
Egg Plant	1 Pkt.	4 oz. T.	January to August	30 in.	4 in.	4 Months	1/2 inch
Endive	1 oz.	4 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	1 inch
Horse Radish	70 Plants	10000 P	December to May	30 in.	18 in.	6 Months	1 inch
Kale	2 Pkts.	2 lbs.	All Year	30 in.	18 in.	2 to 3 Months	1/2 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	34 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.	3 in.	3 Months	Very shallow
Parsnips	2 Pkts.	6 lbs.	All Year	30 in.	8 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	1/2 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	3/4 inch
Rhubarb Roots	33 Roots	3000 P	December to May	5 ft.	3 ft.	Next Spring	2 inches
Salsify	8 lbs.	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.	3 to 5 Months	1/2 inch
Tomato, Plants	35 Plants	3000 P	March to Oct.	5 ft.	3 ft.	2 to 3 Months	1/2 inch
Turnip	2 Pkts.	4 lbs.	All Year	24 in.	6 in.	3 to 4 Months	1/2 inch
Turnip Swede or Rutabaga	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months	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			
Alfalfa	20	Corn (Cont.)		Grass (Cont.)		Distance Apart			
Beans Field	10	Egyptian Wheat	6	Sudan Drill	3					No. of Trees or Plants per Acre	Dist. Apart	No. of Trees or Plants per Acre
Tepary	10	Broom	15	Sudan Broadcast	10	3 by 4 in.	522,720	6 by 8 ft.	907
Pink	30	Flax	30	Millets		4 by 4 in.	392,040	6 by 9 ft.	806
Navy	20	Grain		Pearl, Drills	6	6 by 6 in.	174,240	6 by 10 ft.	726
Sojo	30	Barley	100	Common	30	1 by 1 ft.	43,560	7 by 7 ft.	888
English or Broad	50	Oats	80	German	30	1 1/2 by 1 1/2 ft.	19,360	8 by 8 ft.	680
Buckwheat	30	Rye	60	Hungarian	40	2 by 1 ft.	21,780	9 by 9 ft.	537
Clover		Spelts	50	Japanese	35	2 by 2 ft.	10,890	10 by 10 ft.	435
Alsike	10	Grass		Siberian	30	2 1/2 by 2 1/2 ft.	6,960	11 by 11 ft.	360
Burr Clover	15	Ailifleria	5	Peas, Field	75	3 by 1 ft.	14,520	12 by 12 ft.	302
Crimson	15	Aus. Salt Bush	1 1/2	Canadian	75	3 by 2 ft.	7,260	14 by 14 ft.	222
Egyptian	15	Bermuda	20	Blue Prussian	75	3 by 3 ft.	4,840	15 by 15 ft.	193
Japanese	20	Crested Dogtail	30	Carbanza	40	3 1/2 by 3 1/2 ft.	3,555	16 by 16 ft.	170
Melilotus Indica	20	Ky. Blue for Pasture	150	Lentils	40	4 by 1 ft.	10,890	16 1/2 by 16 1/2 ft.	160
Melilotus Alba	15	Ky. Blue for Lawn	75	Pea, Cow	50	4 by 2 ft.	5,445	17 by 17 ft.	150
Red	15	Orchard	35	Whippoorwill	50	4 by 3 ft.	3,630	18 by 18 ft.	134
White	12	Rye	10	Blackeye	30	4 by 4 ft.	2,722	19 by 19 ft.	120
Corn		Red Top	15	New Era	50	4 1/2 by 4 1/2 ft.	2,150	20 by 20 ft.	108
Field	10	Timothy	20	Peanuts in Shell	35	5 by 1 ft.	18,712	25 by 25 ft.	69
Ensilage	75	Hungarian	30	Rape	5	5 by 2 ft.	4,356	.....	.....
Egyptian	6	Mesquite	35	Rice	80	5 by 3 ft.	2,904	30 by 30 ft.	43
Kafir	6	Hemp	25	Sunflower	4	5 by 5 ft.	2,175	30 by 33 ft.	40
Peterita	6					5 by 5 ft.	1,742	40 by 40 ft.	27
Milo Maize	6					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
						6 by 7 ft.	1,031	.....	.....

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.

If You Want a Rare Treat [1] Try the Persian Muskmelon

How to Beautify an Old Lawn and How to Make a Beautiful New Lawn by

GERMAIN'S NULAWN PLAN

WRITE FOR THE NULAWN PAMPHLET

Nothing adds to the attractiveness and salability of a home like a rich, well-kept, velvety-green lawn. It breathes an air of opulence and acts as a graceful foil for other vegetation. The money expended in making a beautiful lawn and keeping it beautiful is more than repaid by the feeling of satisfaction which this inviting approach to your home will give.

California offers every natural advantage for a beautiful lawn—abundance of sunshine, no extremes of heat or cold, fertile soil, and plenty of water. All that is needed is Germain's Nulawn Plan.

You've seen nice, green lawns during July and August, haven't you?—and then September comes along and you notice a brown spot here and there. October brings more brown spots, and by the time December arrives, what do you see? Not a "green" lawn, but a "brown" one, apparently lifeless and really a detriment to the appearance of the home. To remedy such a condition we are offering the Nulawn Plan.

The Germain Seed & Plant Company has devised what we are pleased to call our Nulawn Plan which we believe is by far the best method for putting in a new lawn and also renew the old one.

With the Nulawn Plan you can have a beautiful lawn 365 days out of the year with very little expense and very little trouble. Our method has been tried out and has accomplished and is accomplishing wonders.

And the method is simple. All that is needed is Germain's Nulawn Grass Seed, Nuvida Fertilizer, a Cutter Bar Rake and a little of your time. We have had printed a beautiful little booklet which gives complete directions which we will be very glad to mail you free of charge.

The accompanying photographs show a few Southern California homes that have been treated with Nuvida Fertilizer. We can absolutely assure you lawns like these if you follow the Nulawn Plan.

A well kept lawn, rich green in color, adds hundreds of dollars to the value of your home.

Residence of A. H. Taber
512 South Wilton Place
L. A.



Home of H. F. Schroeder
404 Van Ness Avenue
L. A.



The C. H. Baker home on Arden Road Pasadena



The H. G. Wylie home
17 Chester Place
L. A.



PRICES OF NULAWN GRASS SEED

1 pound	.....	\$1.00
2 "	.....	1.90
3 "	.....	2.70

PRICES OF NUVIDA FERTILIZER

100 pounds	.....	\$4.00
50 "	.....	2.25
25 "	.....	1.25

Postpaid

F. O. B. Los Angeles—See page 109.

Cutter Bar or Bermuda Rake, indispensable in the Nulawn Plan, see page 114

We carry a complete line of grass seeds of all kinds. The common varieties are listed below. For other grasses, see page 53.

KENTUCKY BLUE GRASS—Premium Grade—is the finest grade of Blue Grass on the market. Grown from specially selected strains and in carefully selected fields, the seed gives the greatest satisfaction, due to its quality, purity and freedom from other seed. Per pound \$1.00, 10 pounds \$9.00, postpaid.

WHITE CLOVER. Our seed is strictly first-class, absolutely clean and pure and of the highest quality. Per pound \$1.00 10 pounds \$9.00, postpaid.

AUSTRALIAN, OR PERENNIAL RYE GRASS. An extremely hardy sort, requiring less fertile soil and withstanding more hardships. Used extensively in Arizona and becoming very popular in So. California. Per lb. 35c, 10 lbs. \$3.00, postpaid.

THE NEW RASTRAWBERRY

This new berry was originally introduced under the name of Balloon Berry. The name, however, being inappropriate and due to the fact that in shape and size it is more like a strawberry and has the flavor of the raspberry, we have chosen the name of Rastrawberry.

Germain's
RASTRAWBERRY

PRICES

Single Plants	75c each, postpaid
Dozen "	\$7.50 per doz., postpaid
Fifty "	50c each, F.O.B., L.A.
100 "	45c " "

Write for prices in larger quantities



Those of you who have been fortunate enough to have visited the Hawaiian Islands as a tourist may remember the remarkable berry served at the Volcano House, the most extraordinary raspberry you had ever seen. It was the strawberry-raspberry, native to Hawaii and other islands of the South Seas, long a delicacy of the natives. You wondered why California, with her wide range of climate and soils, had not made it a commercial headliner. Well, she will probably not disappoint you.

The Rastrawberry, from all appearances, is a cross between the strawberry and the raspberry, if such a cross were possible. The foliage resembles that of the raspberry, while the vine, or bush, forms like the strawberry. The fruit is about one-inch in diameter, dark red, not unlike the raspberry, except in its solidity. The flavor is that of the raspberry, and far more pleasing the second day after picking.

The Rastrawberry attains the height of about eighteen inches. It is practically thornless, and requires little or no thinning or pruning. Its culture is like that of the strawberry.

This berry is unquestionably one of the greatest acquisitions in the berry line which has come to our notice in a long time. It is not only delicious eaten in the raw state, but it is of excellent value for making jellies, jams, etc. The fruits are very large, in color a beautiful cardinal red. The general appearance of the berry is that of a large strawberry. The fruits are freely produced throughout a long season and bear an abundance the second and succeeding years. The berries are deliciously flavored, sweet and juicy.

This berry should find a place in every garden. The rastrawberry will also prove profitable planted in large areas and there is bound to be a heavy market demand for them. We have had this berry under our careful observation during the past two years and can unhesitatingly recommend it as one of the best novelties in its class introduced in many years.

PANAMA RHUBARB

Fifteen years ago Mr. J. B. Wagner, the Rhubarb Expert, began experimental work on a rhubarb that would surpass the Wagner's Giant variety, which was put on the market at that time, it being practically the only one commercially grown in Southern California at the present time. As a result of his efforts the Panama was shown at both the San Francisco and San Diego Expositions, winning the first prize in both places. The Germain Seed & Plant Co. prevailed upon Mr. Wagner to develop the Panama, in order to be able to put it on the market on a commercial scale. After six years of intensive effort this has been accomplished, and we are now able to offer it to our patrons for the first time. As a rhubarb the Panama is unquestionably in a class by itself. Words can not describe its wonderful flavor and the many other qualities that make it far superior to any other rhubarb. Panama is an ever-bearing rhubarb, growing continuously throughout the year, both summer and winter. Frost will not kill it, and in the absence of frost it will make its best and most profitable growth during the winter. It is a far cry from the superlative Panama to the ordinary Eastern and other varieties. In size it is more than twice the size, and the stalks are much heavier and larger, full grown stems often being three feet long and weighing two pounds.

FLAVOR—The flavor has been described as of the plum type, although due to its elusive taste, it is almost impossible to definitely fix it. Suffice it is to say that a Panama rhubarb pie or sauce is so far superior to others, that comparison is out of the question. The Panama is comparatively free from acid, requires less than half the amount of sugar ordinarily used, and should not be peeled. All the roots are what is known as subdivisions. Rhubarb can not be produced from seed and prove true, and therefore is furnished in roots only.

PRODUCTIVENESS

The market on rhubarb usually is on from about October 15th to June 15th, and the best market is from January 15th to April 15th. The latter is the period when rhubarb commands the highest price, both in the Eastern and local markets. Panama produces best during this high price period, when rhubarb commands about twice the ordinary price. Panama has produced as high as 60 pounds to each plant at one picking during this period. Due to its rapid growth, a few plants in the home garden will produce at least 10 pounds from each plant at each picking once a month during the year. In the market garden the rhubarb should be picked every six weeks. Picking can be begun three months after planting.



CULTURE

The Panama is very easily grown. Plant not more than one-half inch below surface of ground, and water immediately after. Keep the ground well cultivated close to the plant within a radius of at least two feet from the plant. During the first two months irrigate once a week and cultivate after each irrigation. Plant from three to four feet apart in the row, and have rows from four to five feet apart.

PRICE

Each \$0.75, postpaid Dozen \$8.00, postpaid
Per 100 \$60.00 F. O. B. Los Angeles, per 1000 \$500.00
F. O. B. Los Angeles

GERMAIN'S BIG BOSTON LETTUCE

This is a very large, smooth-leaved, solid heading variety, grown very extensively throughout the East and South, but not so well known in this section. It is a lettuce that will grow under practically all climatic conditions, and is a remarkably good shipper. The plants are very hardy and vigorous, the heads sometimes measuring ten to twelve inches across. The leaves are quite smooth and broad, wavy at the edge, thin, very hard and crisp. The heads are beautifully blanched, the inner leaves blanching to an attractive greenish white, tinged with light yellow. In color the heads are a bright light green tinged with reddish brown.

In flavor and quality we believe the Big Boston to be unsurpassed. If one prefers a delicacy in both texture and flavor you will find this variety superior to any other. It is a mighty fine lettuce.

The home gardener will find the Big Boston Lettuce a welcome addition to his garden; with Los Angeles Market Lettuce you have the two best types.

Price, per packet 10c, ounce 25c, 1/4 pound 85c, 1 pound \$2.50, postpaid.



Germain's
BIG BOSTON LETTUCE



This lettuce is grown very extensively for the Eastern market. Hundreds of acres are being grown this season in Southern California.

Big Boston commands a very good price and for that reason is a good crop for the commercial grower.

The writer does not know of any lettuce that he would recommend as being better or ever as good for the table.

The cross-section photograph shows the crispness and fineness of the inner leaves. Big Boston Lettuce is hard to photograph and it is almost impossible to do justice to its excellence. A trial, we are sure, will convince you of its merit.

Note the smoothness of the leaves. Big Boston does not have the hard, cabbage-like texture to its leaves.



The above photograph shows Mrs. Ed Brennan, of Torrance, Cal. receiving our check for \$200.00 as 1st prize.

Germain's Giant Wonder Melon has made a place for itself in every California garden.

It has been rated the sweetest, juiciest and largest melon on the market. The Giant Wonder Melon is the King of all melons. Not a giant but a super-giant. One Giant Wonder Melon raised by Mr. Rasmussen of the Fresno Chamber of Commerce, weighed 118

pounds and won the first prize at the Fresno County Fair. This melon is undoubtedly the largest ever raised in California.

The 1921 Contest was a wonderful success. Melons were rolling into our plant so fast we could hardly take care of them. The following are the prize winners:

- First prize, Mrs. Ed. Brennan, Torrance, Cal.;
- 2nd prize, W. H. Pawson, Jr., Hemet, Cal.;
- 3rd prize, M. G. C. Harrington, Santa Anita, Cal.;
- 4th prize, M. Atherton, Fullerton, Cal.;
- 5th prize, Clyde H. Lee, San Jacinto, Cal.;
- 6th prize, Jas. L. Pugh, Woodlake, Cal.;
- 7th prize, Mrs. Warner, Murrietta, Cal.;
- 8th prize, G. H. Finley, Santa Ana, Cal.;
- 9th prize, L. C. Parmele, San Fernando, Cal.;
- 10th prize, J. F. Oliver, Ontario, Cal.;
- 11th prize, A. M. Lee, Calipatria, Cal.;
- 12th prize, C. W. Bouldin, Strathmore, Cal., and 15 others.

This shows a group of some of the prize winning melons. Practically all of them weighed over 60 pounds. All were large, juicy melons of fine taste and flavor. Be sure to get into the 1922 Contest.

Torrance, Cal., Oct. 19, 1921.

Germain Seed & Plant Co.,
747 Terminal St., Los Angeles, Cal.

Gentlemen:—
Your check in the amount of \$200.00 covering first prize in your Giant Wonder Watermelon Contest, was just received by me. I wish to take this opportunity of thanking you for this award. It was certainly a great pleasure to enter into your contest and a great satisfaction to have been the winner of the first prize.
Thanking you again, I am

MRS. ED BRENNAN.

THE 1922 CONTEST—We are offering this season a total of \$300.00 in prizes. We haven't room enough on this page, so we have printed a special folder on the prizes and rules of the Contest, which we will be very pleased to mail on request. Buy a package of seed today; get in the contest and win a prize. **We are only offering this seed in packets this year, 20 cents per packet, postpaid.**

The Lolita Armour Rose won (6) the Gold Medal at Paris in 1921

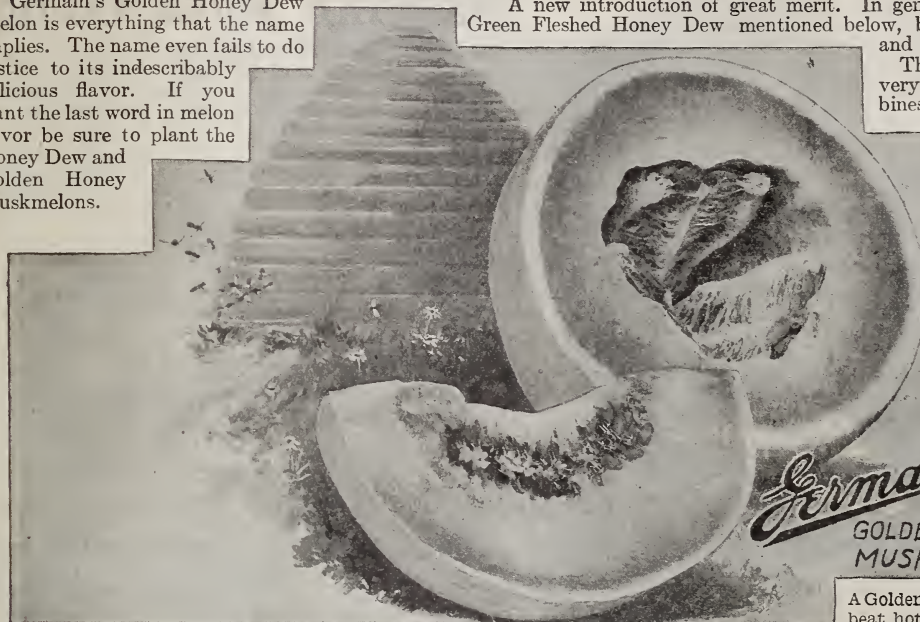
GERMAIN'S GOLDEN HONEY DEW MUSKMELON

Germain's Golden Honey Dew Melon is everything that the name implies. The name even fails to do justice to its indescribably delicious flavor. If you want the last word in melon flavor be sure to plant the Honey Dew and Golden Honey Muskmelons.

A new introduction of great merit. In general it is very much like the Green Fleshed Honey Dew mentioned below, being slightly smaller in size and somewhat different in flavor.

The flesh is a rich golden color, very thick and sweet. It combines the spicy flavor of the Emerald Gem with the sweetness and long keeping qualities of the original Honey Dew. A packet of this variety in your garden together with the Honey Dew, Persian, and Indiana melons will give you an assortment of muskmelons that will delight your appetite.

Price, packet 15c, oz. 30c, 1/4-pound \$1.00, pound \$3.00.



Germain's

GOLDEN HONEY DEW MUSKMELON

A Golden Honey melon at breakfast will beat hot biscuits and honey all hollow.

Collection of our four Muskmelon specialties—Persian, Indiana, Honey Dew, and Golden Honey—for Forty Cents

GERMAIN'S HONEY DEW MUSKMELON

Germain's Honey Dew has made a reputation for itself in the past few years. It is rapidly becoming one of the most popular melons on the market. The color of the skin is a light creamy yellow when ripe, the rind being very thin. Practically all the flesh can be eaten. The meat is light green in color, and sweet as honey and the flavor is somewhat like honey also. The average melon is about the size of a cocoanut, although they are good both larger and smaller. It is a fact that one seldom finds a Honey Dew Melon that is not perfect in taste. It is a long keeping melon, remaining in good edible condition for some time.

The fact that Germain's Honey Dew Melons may be selected by color when being picked for market enables the grower to know in advance that his entire shipment is composed of first class melons such as will please the most fastidious trade.

This feature makes this melon a very valuable type to grow for market. If you want the very last word in melon flavor, don't fail to plant Germain's Honey Dew. This is the melon that now commands fancy prices in every market.

The best hotels serve the Honey Dew to their dining room guests, knowing that it will give perfect satisfaction.

We suggest in serving the Honey Dew to sprinkle a few drops of lemon juice on it. The wonderful taste will surprise you.

Price Packet 10c, ounce 25c, 1/4-pound 85c, pound \$2.50.



Collection of our four Muskmelon specialties—Persian, Indiana, Honey Dew, and Golden Honey—for Forty Cents

GERMAIN'S PERSIAN MUSKMELON

GERMAIN'S PERSIAN MUSKMELON is a new type in salmon-fleshed melons and has a wonderful flavor. Primarily a home garden melon. It grows to a large size, but is always of good quality. Prices: Packet, 20c; ounce, 60c; 1/4-pound, \$2.00; pound, \$6.00.

The Persian Muskmelon is a grand melon in every way. It is easy to germinate and easy to grow. I have good melons on my vines at this date. It is sweet and fine flavor and can not be praised too highly.

R. O. SMITH, Elk Grove, Calif.

Will say never had better flavored melons in my life. They sure were good.

M. E. ANDREWS, Bangor, Calif.

I found that they yielded a very nice crop and the flavor was excellent though the soil used was rather poor.

LIONEL GWYTHYR, Santa Barbara, Calif.

I planted fourteen "hills" of this variety with the result that almost all the seed came up. But before any melons "set" on the vines the aphids killed all but one vine which I saved by putting sulphur on it every few days. I have taken no less than a dozen big fine melons from it so far. It is far superior to any muskmelon I have seen.

W. A. CONDIFF, Fertilla, Calif.

The Persian Muskmelon certainly is a fine melon and a good yielder and will recommend it to all my friends.

MRS. JOHN B. WILKINSON, JR., Lakeside, Calif.

These are the first Persian Melons I have raised, and I am probably not as well qualified to judge Persian Melons as I might be. The melons were of large size of uniform shape and excellent quality. The vines grew very rank, but not a heavy yield of melons, but enough to be entirely satisfactory.

R. R. BUTLER, Hanford, Calif.



Collection of our four Muskmelon specialties—Persian, Indiana, Honey Dew, and Golden Honey—for Forty Cents

GERMAIN'S INDIANA MUSKMELON

A very recent introduction. This melon is of about the same shape as the Tip Top, only somewhat larger in size. In flavor it resembles the Tip Top and Persian melons. The flesh is salmon in color, the seed cavity being quite small and the flesh very thick.

It is primarily a home garden melon for local consumption and will not ship very well.

We recommend it as a fine flavored, palatable melon that will undoubtedly prove highly satisfactory to you.

It is to our advantage and also to yours, to call to your attention those introductions which are meritable. In the Indiana we feel that we are offering a melon very hard to beat.

Price, pkt. 10 cents, ounce 30 cents, 1/4 lb. \$1.00, 1 lb. \$3.00, postpaid.



Collection of our four Muskmelon specialties—Persian, Indiana, Honey Dew, and Golden Honey—for Forty Cents

GERMAIN'S GOLDEN BANTAM CORN

As a sweet corn one might say that Golden Bantam is unsurpassed. It is by far the sweetest and most delicious corn ever introduced. Golden Bantam is a dwarf early variety, growing four to five feet in height. The grains are golden yellow in color, the ears being eight rowed and from six to seven inches long. On account of its remarkable flavor it is an ideal home garden variety and we feel that no garden is complete without it.

Golden Bantam can be planted in hills three feet apart each way, or in rows three feet apart and the plants standing singly at nine inch intervals.

We heartily recommend it:

Gentlemen:—In the East we use Golden Bantam Sweet Corn altogether. It is one of the finest corns in the United States. Why don't you people recommend a corn of this quality in your catalogue rather than give it mere mention. People don't seem to know about it. By all means give it a lot of publicity and you will never regret it as the seed will sell itself.

A. G. BALDWIN, Corina, Cal.

Price, packet 10c, ½-pound 25c, pound 40c, 10 pounds \$3.50, postpaid.



Germain's
**GOLDEN
BANTAM
CORN**

Germain's
**OREGON
EVERGREEN
CORN**

Germain's Oregon Evergreen Corn is the best type to grow in Southern California both for its quality and for its yield. We have a strain of specially selected seed that will afford you ears most palatable and delicious. There is none better than **Germain's Oregon Evergreen Corn**, whether you are a home gardener or a market gardener. It can be grown early or late and with ordinary care will give more than a satisfactory crop. This Corn is extra sweet and due to the tight-folding of its shucks, is as near corn-worm proof as any. **Prices: Pkt. 10c; ½-lb. 25c; 1 lb. 40c; 10 lbs. \$3.50. Postpaid.**

Riverside, Calif., September 19, 1921.

Will say that it (the Evergreen Corn) was very satisfactory. The ears were large and full and very sweet. Will also add that other seed purchased from you gave very good satisfaction.

A. C. GIBFORD.

Blythe, Calif., September 17, 1921.

I am glad to say that my corn has done wonderfully, and has yielded by far the most of any I have ever planted. I planted two rows about 150 feet long, two seeds to the hill, and the hills three feet apart, and it was no time until it suckered out until the rows were solid and every stalk had from two to four ears on it of good size and good flavor. We ate all we could, supplied two of our neighbors with all they could eat, and then I am sure I must have fed all of two bushel to the hogs because it got too ripe on me. This coming year I will certainly have another patch of it. All my other garden seeds and plants which I have bought of you have also done splendidly except my Cauliflower, but I don't think I put them out at the right time. You can be assured of my order for all my garden seeds and plants for the coming year.

JOE BRUYNEEL.

Somerton, Ariz., September 25, 1921.

The Oregon Evergreen Corn was very satisfactory, being tender and of good flavor. All the seed purchased from you gave good results.

MRS. E. FRAUENFELDER.

The corn (Oregon Evergreen) was very satisfactory. Will plant it again in the spring.

C. I. BRADBURY, Artesia, Cal.

Germain's Winnigstadt Cabbage

THE PROVEN STRAIN

We recommend **Germain's Winnigstadt Cabbage** for many reasons, the most important of which are as follows:

SURE HEADER. **Germain's Winnigstadt Cabbage** is a strain that has been improved upon year after year until we have a type that is a sure header.

HARDINESS. **Germain's** strain, is a type that withstands wet and cold, is as immune from disease as any one is able to get it; its rugged growth withstands the attacks of insect pests.

GOOD SHIPPER. It is a strain of seed that will enable you to place on the market with the local or eastern houses a Cabbage that is in fine condition and commands the highest prices. It has proven without a doubt, that it is the best keeper, and therefore the best Cabbage California can produce.

EARLINESS. It is the earliest of the early. It is the one that is on the market before other strains. The first Cabbage from the field is usually the Cabbage that commands the highest market prices, and if you desire to grow for an early market, you cannot secure a type of Cabbage that will produce a crop earlier and more perfect than **Germain's strain of Winnigstadt Cabbage.**

Prices: Packet, 10 cents; ounce, 40 cents; ¼-pound, \$1.35; one-pound, \$4.00.

The Winnigstadt Cabbage Seed you sent me last spring came up splendidly in large thrifty plants, and having more than I wanted I furnished my neighbors with plants. They are all unanimous in saying that the cabbage is far superior to anything of the kind they have ever grown. They are solid, sweet and very crisp and tender.

WILLIS E. STEADMAN, Inspiration, Ariz.

I wish to tell you that I had very good results from the Early Winnigstadt Cabbage Seed, and also with all the other seeds that I purchased from you.

MAIRA G. LIMA, San Luis Obispo, Calif.

The Winnigstadt Cabbage Seed did wonderfully. I have about twelve heads of the cabbage yet.

WM. J. LEONARD, Isabella, Calif.



GERMAIN'S CANNON BALL CABBAGE

This is an early variety of the round-headed type, producing a very heavy crop. For uniformity of head, solid, compact nature, and excellent quality it is unsurpassed. The meat is tender, the very few outer leaves make it a variety in great demand. It can be placed on the market as early as any other Cabbage, thus finding an exceptionally good market, invariably. Below we are reproducing a field of **Cannon Ball Cabbage** showing the immensity of its growing properties. We recommend it.

Prices: Packet, 10 cents; ounce, 50 cents; ¼-pound, \$1.65; one pound, \$5.00.

The cabbage seed is all you advertised and am well pleased with the cabbage, very fine flavor, sweet and juicy, and for me I always want the Cannon Ball Cabbage and no complaint to find with any other seed we purchased from your company.

W. L. BUTTERFIELD, Manzanar, Calif.

I was very well pleased with the Cannon Ball Cabbage Seed, and that the flavor of the cabbage is even better than I expected. It is, in fact, the best flavored cabbage I ever ate. I am going to try it as a variety winter cabbage. It is a splendid heading. I have been very well pleased with all the seeds and plants I have received from you.

Mrs. FRANCIS WILSON, Petaluma, Calif.



GERMAIN'S GIANT PODDED LIMA BEAN

This photograph is an exact size reproduction

We ascribe a large measure of our success to our willingness to look with favor on something new. Whenever a new variety of a standard vegetable is offered we invariably investigate it thoroughly if it seems to have merit. The **Giant Podded Lima Bean** was presented to us and as a result we are offering to our patrons this wonderful variety as being superior to any Pole Lima on the market both for its indescribably fine flavor and heavy producing quality. If you like Lima Beans and want a vigorous grower, a large pod, filled with more than the average number of large sized beans of rare flavor, be sure to plant **Germain's Giant Podded**. You'll never regret it. Prices: Packet, 15 cents; ½ lb. 30 cents; one pound, 55 cents; 10 pounds, 55.00. Postpaid.

The Giant Podded Beans grew very quickly and were simply loaded with pods. We have had several meals of them and they surely were good.

GERHARD I. WIECHRING, Salinas, Calif.

About the Giant Podded Lima Beans, I like them just fine.

Mrs. V. F. TURNER, Lemon Grove, Calif.

Will say they are satisfactory. All seed from Germain's have been satisfactory.

D. J. SANDERS, Prado, Calif.

Had a couple of messes of the Giant Podded Limas and found them extra fine.

W. E. SRUMPH, El Cajon, Calif.

I must say they are fine. It is a very large bean, and I am very well pleased with them.

CHARLES BENTENRUST, Long Beach, Calif.

I will say they have grown very rank, and full of large pods. The beans are delicious. We are sure your praise of them is warranted.

MRS. W. A. HERSEY, Yorba Linda, Calif.

The Giant Podded Lima Bean Seed that I purchased from your seed house last spring proved in every way satisfactory. They produced an abundant crop of large well filled pods well filled with beans of excellent quality.

S. G. BROOKS,
San Diego, Calif.

Germain's Stratagem Peas

Germain's Stratagem Pea is unsurpassed in sweetness and its prolific bearing qualities. It has only recently come into prominence, being a comparatively new variety, and has had marked success ever since its introduction.

It goes without saying that to be commercially desirable a Pea must bear heavily and must be palatable. In both these points **Germain's Stratagem Peas** excel and for that reason it has been in such great demand among market gardeners. Prices: Packet, 10c, ½ lb. 25c, 1 lb. 40c, 10 lbs. 53.50. Postage paid.

It gives me great pleasure to inform you that the Stratagem Pea Seed fulfilled every expectation that your announcement regarding its excellence raised. Not only did the vines bear prolifically, but they kept on yielding when the rest of the garden had withered because of lack of water.

L. MORR, Avalon, Calif.

Of the 100-lbs. of Stratagem Peas, I harvested four tons of as fine as I ever saw or tasted.

ELMER G. BLOSSOM,
El Cajon, Calif.

I will surely recommend the Pea to anyone. One thing, they didn't mildew as do the other kinds, owing to us living so near the coast.

A. H. CHRISTENSEN,
Oxnard, Calif.



Germain's
STRATAGEM
PEAS



Germain's
GIANT
PODDED
LIMA BEANS

Germain's Brown Seeded Kentucky Wonder Beans

It would be hard to find a more appetizing Bean than this one. Sometimes, in fact very often, we find that the old standby the one we've known for years and years is still the best, and for that reason we are recommending this season the well known **Kentucky Wonder or Old Homestead Bean.**

Round in shape, growing to a length of from seven to nine inches, meat crisp and tender, the **Kentucky Wonder Bean** is one that will give you unquestionable satisfaction. We have a strain of seed which brings out strongly all its good features. For culture see page twenty. Prices: Packet, 10c; ½ pound, 25c; one pound, 40c; 10 lbs., \$3.50. Postpaid.

I have had unusually good luck with the Kentucky Wonder Beans and can vouch for them, also recommend them very highly to every one. Even this late date they are bearing well. In case I have a garden next summer I'll certainly have Kentucky Wonder Beans in it. Being from Kentucky I have known these beans for a long time, and have always had them.

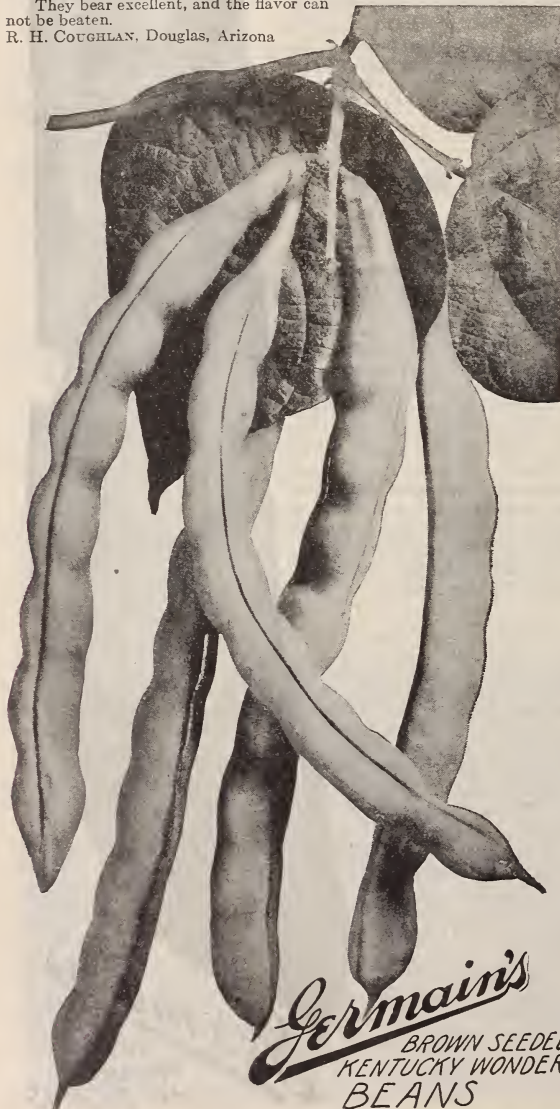
L. S. JARBOE, Caliente, Calif.

I planted only a small batch, and I am very well satisfied with same. The beans were very nice and tender. H. D. SCHILLING, San Diego, Cal.

We did not think we had as long a season of beans as before, but the quality was all we could wish. MRS. NATHAN RANNELLS, La Jolla, Calif.

They bear excellent, and the flavor can not be beaten.

R. H. COUGHLAN, Douglas, Arizona

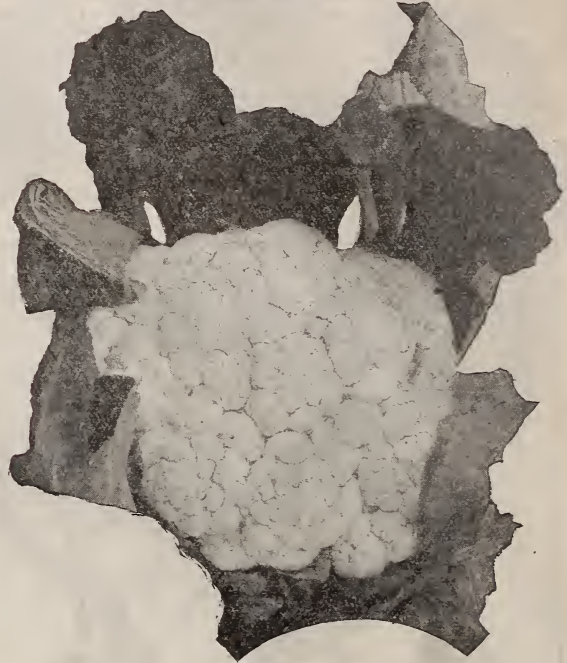


Germain's
BROWN SEEDED
KENTUCKY WONDER
BEANS

Write us as to When to Plant

GERMAIN'S SNOWFLAKE CAULIFLOWER

For Cultural Directions, see page 26



Out of the many varieties of cauliflowers introduced and exhibited, we claim that Germain's Snowflake Cauliflower stands out supreme. It has the best appearance, best keeping qualities, it withstands the sudden climatic changes better than any other type and with its perfect leaf protection over the head, is a thoroughly bleached product of pure white, from whence it derives its name "Snowflake." It retains its snowflake appearance longer than any other strain, and those who have once grown it never fail to demand Germain's Snowflake Cauliflower. The heads are of good size and its constant uniformity in the field is so surprising that one would think it impossible to breed up a strain to this perfection.

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. In this early strain we have one that has proved very hardy under early climatic conditions.

Price: Packet 20c; ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00.

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. Its trueness to type has endeared it to the experienced grower and he can confidently depend upon it.

Price: Packet 20c; ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00.

GERMAIN'S LATE SNOWFLAKE

Here we have a distinctive type which should be planted June 25th to August 25th. If planted too early it has a tendency to go into foliage and the grower will have additional expense and labor in taking care of his field. Earlier planting will not bring any earlier crop, as this type will not form its head until the proper season. 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: Packet 20c; ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00.

I planted some Snowflake Cauliflower Seed about a year ago and we thought it by far the best we had ever planted. The heads were large, solid, white and of good flavor. In comparing them with those we saw in the market we judged that ours were worth about twenty cents up to thirty-five cents apiece.

Mrs. Geo. R. LIVINGSTON, Santa Barbara, Calif.

GERMAIN'S APPLE CUCUMBER

We have taken it upon ourselves to change a name. The cucumber mentioned on this page has for a few seasons since its introduction been sold under the name of Lemon Cucumber. And Lemon in no way describes the wonderful qualities of this delicious vegetable except possibly in color.

And so we have chosen the name of "Apple," a name that we feel more truly expresses our idea and that of many of our patrons. Shaped very much like an apple, and in flavor so that it can be eaten raw like one.

The thousands of home gardeners who have tried **Germain's Lemon Cucumber** have been so thoroughly pleased with it, that its reputation as a wonderful salad, far superior to the ordinary Cucumber, is spreading far and wide. The rare delicacy of flavor, its piquancy of taste, its good yielding properties are points that make it so much talked about. The color when ready for picking is like a Pearmain Apple. The photograph shows the actual picking size, although it will be found satisfactory also when somewhat larger.

Antelope, Calif., Sept. 15, 1921
Your Lemon Cucumber is a wonder. I had only seven hills, and I think if I had cared for them until now I would have at least four bushels or more. I could not sell them because the people did not know about them. They are wonderful yielders and splendid eating. We made some sweet pickles from them that could not be beat. Am enclosing recipe. Try it.

WM. M. HENRY.

Murrietta, Calif., Sept. 26, 1921
After eating Lemon Cucumbers once I would never plant the other kind again for myself to use. They are very productive for one reason, but the main reason is that they are far, far superior in quality. Best for salads and best for pickles. Germain's seeds always grow for me.

MRS. LOUISE WARNER.

Oro Loma, Calif., Sept. 20, 1921
Your Lemon Cucumber was successful in every way; also all other seeds we bought from you, and will continue to buy the coming year if you will send me your latest catalog.

MRS. GEO. B. MURCH.

Had nine hills (medium), and supplied a few neighbors, and lots went to waste for lack of using, as they are abundant bearers and better in every way than the Long Green ones.

P. D. CONNER.

Nothing in our family garden gave so much satisfaction as the Lemon Cucumbers. Two hills of them supplied more than our needs, as they are very prolific, and far superior to other varieties. The children had their mother peel one, and ate it down with as much relish as a good apple.

DR. W. H. THOMPSON, Riverside, Calif.

I was able to get only one Lemon Cucumber to come up, owing to the very cold Spring here. But the one vine has been furnishing all the cucumbers needed for a family of from seven to fourteen. Without exception they are the best Lemon Cucumbers I have ever eaten.

F. M. HOUK, Orcutt, Cal.

Have always had good success with them, and feel that they are the best cucumber for family use. My garden would not be complete without some Lemon Cucumbers. My friends around here who have tried them think they are great.

F. J. WHITLOCK, Hollister, Calif.

Am pleased with my orders from you, and think the Lemon Cucumbers very fine indeed. In fact, would not raise any other kind.

MRS. E. C. CHITCHELOW, Orcutt, Calif.

The Lemon Cucumber Seed we purchased of you last Spring was indeed a good success. All our neighbors enjoyed them so much, and they truly measured up to the praise you gave them in your catalog.

MRS. W. L. HUNTING, Santa Ana, Calif.

Prices: Packet 10c, ounce 25c, ¼ lb. 85c, 1 lb. \$2.50

Some Wonderful New Asters [13] are described on page 60



Long Beach, Calif., Sept. 15, 1921
They were a great success; in fact, a source of joy for weeks. I think every seed came up and bore fruit. I not only kept our own table supplied, but gave a good many to my neighbors, and hope next year to have the same pleasure.

MRS. E. MACBETH.
Redondo Beach, Calif.

Sept. 22, 1921.
We had great success with our Lemon Cucumbers this summer. They bore very prolifically, and we liked them much better than the common cucumber. All who ate them from our garden thought they were fine.

R. E. NALL.
Fillmore, Calif.

Saticoy, Calif., Sept. 1921
I have used the Lemon Cucumbers for several years, and have always found them very satisfactory.

GRACE H. SHARP.

RECIPE FOR SWEET PICKLES.

Pull cucumbers about size of egg (green). Place them in very salty brine for 12 hours. Drain off brine. Put cucumbers in clear cold water, and bring nearly to boiling point. Take off. Drain them. Now put them in earthen jar, and season with vinegar, cinnamon bark, and some sugar, if to be sweet. Some cloves would help. Put weight on to keep under fluid.

WM. M. HENRY.



Germain's
**LOS ANGELES
MARKET LETTUCE**

Germain's Los Angeles Market Lettuce forms a large, tight head of very sweet and tender leaves. It is unsurpassed in flavor, in quality, or in yield by any of the heading varieties. Try it. For culture see page twenty-nine. Prices: Packet, **10c**; ounce, **50c**; $\frac{1}{4}$ -pound, **\$1.65**; one pound, **\$5.00**.

Found Los Angeles Market Lettuce Seed excellent. The finest lettuce we ever had. All the seed from your house has proven satisfactory as far as tried.
J. P. PARKER, Fairmead, Calif.

As the local gardeners told me that the California lettuce would not head I did not thin or transplant much of the seed (Los Angeles Market) that I sowed. I was agreeably surprised to find that the transplantings headed up in fine style and were much larger than the local varieties—the flavor was excellent. I intend to show some of these "experts" some real lettuce this next spring.
EDW. DERKSEN, Oshkosh, Wis.

I sent most of the L. A. Market Lettuce Seed to my friends in the East as I had such good success with my garden here I wanted the Eastern people to try it and I wish you could have seen some of the heads I saw this last August—at my home town. Why I think I have got myself in trouble as I had to promise all I gave the seeds to to send them another lot this winter. The people East had never seen such lettuce before, simply crazy over it.
C. V. DUDLEY, Morenci, Arizona.

It certainly was a success. It was everything you claimed it to be.
A. T. ECKLES, Exeter, Calif.

Germain's Prizetaker Pea

Did you ever buy or grow any peas whose pods were five to six inches long, containing peas of large size, fine color and superb flavor? This is only one of "Rube Goldberg's Foolish Questions," because we know you haven't, and for that reason we are introducing this year the finest pea ever grown.

In Germain's Prizetaker Pea we have something that is far superior to anything in the pea line ever introduced in this country. For flavor it is absolutely unsurpassed. For prolific growth, size of yield, general palatable and marketable appearance we are positive you have never seen its equal.

Germain's Prizetaker Pea is the acme of perfection. It was first grown in England, the home of the greatest pea growers and hybridists, and we have brought it to the United States because of its wonderful reputation abroad.

It grows to a height of five feet, the stem being strong and sturdy. The pods are borne chiefly in pairs, long and straight and of handsome appearance.

We absolutely maintain Germain's Prizetaker to be a great advance upon any pea grown at present and to be unequalled and matchless for either home or market garden purposes.



Price, packet 15 cents, ½ lb. 30 cents, 1 lb. 50 cents, 10 lbs. \$4.50, postpaid.

I had wonderful results with the Prizetaker Peas. All other seeds were good. But *you can't beat the peas.*

R. F. CLINE,
Miramar, Calif.

Germain's Sweet Spanish Onion

In this new onion you find all the good features of a perfect onion with none of the disadvantages of the common onion; no bite, no objectionable strength. Mild, sweet flavor, good firm meat, fine, tender texture characterize Germain's Sweet Spanish Onion.

The seed was introduced here several years ago, from Valencia, Spain, where large crops are grown. It was first grown in California in the Riverside section, and after hard work and painstaking effort an onion has been produced which is far superior in every way to the original importation.

The onions are large; far larger than the common ones. It has been demonstrated this year that an acre of fair soil will produce up to twenty tons. Both from the home gardener's and market gardener's standpoint the possibilities are great. The Sweet Spanish Onion will rapidly replace a good many of the other varieties.

Plant in December to February, and they will mature about August or September. Allow them to mature thoroughly, until the tops have dried. After pulling the onions, allow them to remain in the field covered with the tops for about a week, then put in crates in an airy place to allow thorough curing.

We can state without fear of contradiction that Germain's Sweet Spanish Onion is far superior to any onion on the market. Your experience in the past with our introductions unquestionably have convinced you of the merit and honesty of our claims. As witness to this we respectfully refer to the pages on Zucchini, Persian Muskmelon and some of the other new vegetables we have introduced during recent years.



Don't these letters show we know what we are talking about when we offer something new?

San Diego, Calif., Sept. 16, 1921.

The Sweet Spanish Onion seed purchased from you early last spring produced a fine crop of most delicious flavor, well-formed, good big size and truly sweet. I had tried in the north, east and in Florida to get such seed, but never found any in the country. I like the onion even better than the Bermuda, and it is a much better keeper.

MRS. A. W. THAYER.

Arlington, Calif., Sept. 22, 1921.

Will say that I had the best success with the Sweet Spanish Onions. I raised about 75 lbs. off a spot about 15 ft. square besides eating all the green onions we wanted. I would like to plant some more of them this month or next. All the seed I have purchased from you have always germinated.

F. E. BALDWIN.

Santa Paula, Calif., Sept. 14, 1921

Was very much pleased with the results of the Sweet Spanish Onions. All other seeds proved satisfactory.

B. T. FINCH.

Campo Seco, Sept. 28, 1921

We had good luck with the Sweet Spanish Onion seeds. We were well satisfied with them.

MRS. F. ROBIE.

Las Vegas, Nevada, Oct. 6, 1921

Will say that no seed could have produced better results than the Spanish Onion seed. Did not sow them until the 1st of July. They had practically no cultivation as I was away from home for two months. Gathered them yesterday, and had over a bushel of large fine onions. If I had not sowed the seed so thickly might have had two bushel. (That is what my friend husband says.) All of the seed and plants we bought from you produced good results.

MRS. L. H. HEFFNER.

Fullerton, Calif., Sept. 27, 1921

We grew some fine onions from the Sweet Spanish seed we got of you last spring. They are a very mild onion, and the best we ever raised.

F. M. MILLER.

Sweet—No Strength—No Bite—Large Size—Palatable—Marketable—that's Germain's Sweet Spanish Onion.

Price, per packet 15c, ounce 60c, ¼ lbs. \$2.00, 1lb. \$6.00

Read about Germain's Watermelon [16] Contest on page Six

Germain's
CHINESE
GIANT
PEPPER



GERMAIN'S CHINESE GIANT PEPPER

One couldn't ask for more in a vegetable than is found in **Germain's Chinese Giant Pepper**. In size it is the largest Pepper grown, the photograph being actual size, although they grow still larger. The plants are strong and vigorous, dwarf in habit, seldom growing over two feet high. The fruit is thick and mild.

Prices: Packet, 10c; ounce, 80c; ¼-lb., \$2.65; one pound, \$8.00.

I am pleased to state that the Chinese Giant Peppers have grown to a fine size, are rank and thrifty and are bearing a fair crop of large handsome fruit. The flesh of the peppers is tender and sweet, and I enjoy it very much.

W. M. A. EARLS, San Dimas, Calif.

I have obtained very satisfactory results with Chinese Giant Peppers. They are the largest I have ever seen, having grown as long as six inches. I have always had good results from Germain's seeds.

W. S. WILLIAMS, Hemet, Calif.

I planted the Chinese Giant Pepper Seed and neighbors in front of me, left of me and right of me had all they wanted and then some. People passing my place were given of them and so far they are the best ever. My neighbors planted seed from my stock and there are quite a lot of them in San Bernardino.

L. B. YERXA, Seelye Flats, Calif.

Germain's Epicure Radish

You know the old saying, "What's in a name" Truly there's something in a name when you consider **Germain's Epicure Radish**. Nothing more epicurean has ever been offered than this select strain of scarlet, white-tipped Radish, which is one reason for its popularity among market gardeners. It is the quickest growing Radish we know of, maturing in eighteen days. Firm, very mild in flavor and never pithy, it is truly a joy to the planter in every sense.

Prices: Packet, 10c; ounce, 20c; ¼-pound, 70c; pound, \$2.00.

We have found the "Epicure Radish Seed" to be all you claim it to be and more. You could not give too much praise if you tried.

G. A. BEAMER, Yermo, Calif.

The Epicure Radish Seed purchased from you was all you claimed for it.

BEN H. NICHOLAS, Water, Calif.

I found the Epicure Radish, also the White Tipped Scarlet Turnip Radish to be excellent.

Mrs. A. F. ARNOLD, Bakersfield, Calif.



GERMAIN'S BANANA SQUASH

If you enjoy baked squash you will find Germain's Banana squash a dish fit for the gods. The flesh is solid and firm of a beautiful pumpkin pie shade and of very fine quality. The squash grows from one to two feet in length, the skin varying from a bright yellow to a light green shade. It is an excellent keeper and will last from one season to the next. It can also be used as a summer squash during the early stages of its growth.

Price, pkt. 10c, ounce 25c, 1/4-pound 85c, pound \$2.50.

TRY THIS RECIPE

Cut squash into pieces about two inches square, removing the stringy portions and the seeds. Season with salt and pepper, and dots of butter. Place in dripping pan and bake in a moderate oven about fifty minutes or until soft. Serve in shell with butter, and season to taste.

Germain's
ZUCCHINI SQUASH

RECIPES FOR ZUCCHINI

FLORENTINE—Raw, cut in dice, about 1/4 inch. Season with salt and pepper. Dip in flour, and then raw egg. Fry in skillet with olive oil and serve with drawn butter.

MORNAY—Cut in small squares about one inch. Boil for about one minute in salted water. Drain on a colander. Put in baking dish. Cover with cream sauce and a little Parmesan cheese and butter. Bake in oven until done.

JULIENNE—Cut in Julienne (like French fried potatoes), dip in milk, and then in flour. Fry in very hot grease. Season and serve.

Germain's
BANANA SQUASH

GERMAIN'S ZUCCHINI SQUASH

Zucchini belongs to the squash family, the other name for it being Italian Squash. For pi- quancy of flavor, tenderness, and general palat- ability I have never tasted its equal. It is truly a gastronomic wonder. We have prevailed upon Marcell's wonderful chef to give us his recipes for preparing Zucchini which we are reproduc- ing on this page. It is easy to grow, just like any squash, and yields heavily. Try a packet of it at least and see wheth- er or not we are right in the claims we make for it. The photograph shows a slight reduction from the actual picking size.
Pkt. 10c, oz. 25c, 1/4lb. 85c, 1 lb. \$2.50, postpaid.

Santa Barbara, Calif., Sept. 28, 1921.
I have had good results with Zucchini Squash. It has proved very prolific, and is fine cooked in the ways you recommend. I also had good results with other seeds pur- chased from you.
FANNY BOSLEY.

Santa Paula, Calif., Sept. 22, 1921.
I got a package of seed of your Zucchini or Italian Squash last spring, and they are fine. They began bearing in July, and are still putting on young squashes. We have just two vines (or bushes), and have had all we could use.
J. T. RENFRO.

Falfurrias, Texas, Sept. 17, 1921.
I have raised squash all my life. The Zucchini is the super-squash.
BRECKINRIDGE SOUTH.

Bakersfield, Calif., Sept. 29, 1921.
I will say I planted the Italian Squash and had very good luck with them, and con- sider them a very good squash.
P. S. SPRAGUE.

Summerland, Calif., Sept. 18, 1921.
We found the Zucchini most satisfactory, and can highly recommend it for anyone desiring quality as well as a very prolific bearer.
W. F. SMITH.

The Zucchini Squash I find is a very toothsome vegetable, so much so that I praise it highly to all my friends. The plant is a vigorous grower and bears well.
JOHN W. LAWSON, San Ysidro, Calif., Sept. 18, 1921.

Germain's Winter Queen Tomato

It is our business to find the best of everything for our customers. It is a policy that has made us a host of friends and built up a big seed and plant house.

One of our hobbies for years has been the tomato, and we have left no stone unturned in the development of this strain of **Winter Queen** to the high state of perfection which it now occupies.

Its compact bush is in striking contrast to the sprawling habit of other varieties — an appealing feature to the market gardener. It is a generous producer of even sized, finely colored fruit of remarkably firm flesh, which makes it a prime favorite with the shipper.

Another strong quality of **Germain's Winter Queen** is its hardiness, as it has been known to come through a frosty period in full vigor, where other varieties were entirely killed.

Prices: Packet, 10c; ounce, 50c; ¼-lb, \$1.65; pound, \$5.00.

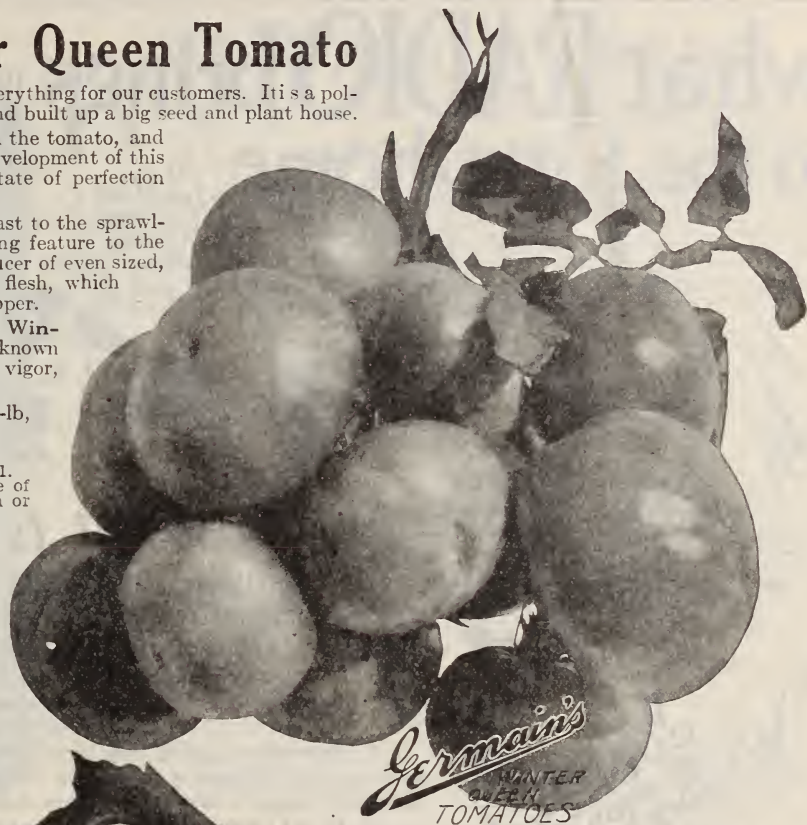
Dixon, Ill., Sept. 23, 1921.

I think the Winter Queen Tomato is one of the best on the market. I have tried seven or eight different kinds. In one way I like the Winter Queen the best; I have always had good success with it. I will have it as long as you will let me. It has proved to be everything you have said about it. I am sorry I have not time to tell you how it yields for me. I have the reputation of being a fine gardener, especially tomatoes, and I buy the best seed I can find. I think you have one of the best. Excuse me for not saying more about this fine tomato. I am very busy selling them. All the seeds you have sent me have been very good.

R. E. BURKS.

I had very good success with the Winter Queen Tomatoes, and will plant them again next season. They are of excellent quality and fine flavor.

J. C. HANCOCK, Paradise, Ariz.



Germain's New Stone Tomato

Germain's New Stone Tomato is a beautiful bright red, of large, uniform size and with very few seeds. All farmers demand it because of its extremely firm meat and because of its assured tonnage. It is a thoroughly dependable, proven tomato, as it may be planted from the earliest spring month when danger of frost is passed, and will bear right up to the first frost in the fall.

The desirability of this tomato is greatly enhanced by its extreme smoothness and its hardiness. The one great requisite in a vegetable for private use is quality — first and always. The prime essentials are good flavor, the minimum of acidity, a tender skin, solid meat and flesh, few seeds and very little juicy pulp. Germain's New Stone Tomato meets all these requirements. It ripens evenly and in point of cost and labor in harvesting the chances of loss are minimized. Prices: Packet 10c, ounce 40c, ¼ lb. \$1.35, pound \$4.00.

The Stone Tomatoes have done fine and are still doing fine. We have only a home garden but the New Stone Tomatoes have furnished us all we can use and fine large ones.

J. C. YORK, Hot Springs, Calif.

I had good success with the New Stone Tomato Seed, and have raised quantities of fine tomatoes even during the extreme warm weather. I am still getting fine tomatoes. We were bothered considerably with blight, but of course that has nothing to do with the seed.

C. A. SCORR, Delano, Calif.



what RADIO brings to the farm-home

Big League Baseball Returns after each inning

Latest JAZZ hits by best jazz Orchestras dance at home

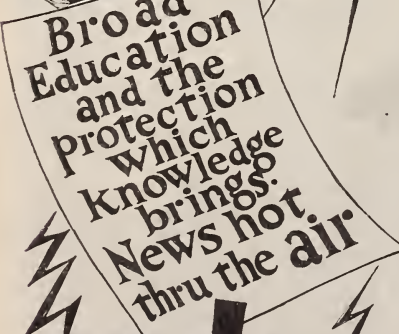
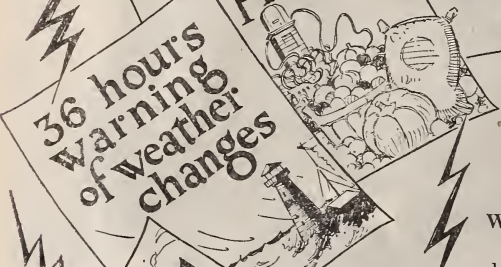
Music by famous Artists—you "listen in" on actual performance

Hourly changes in Market Prices

36 hours warning of weather changes

World Events as soon as they happen

Broad Education and the protection which knowledge brings. News hot thru the air



What Is RADIO?

A Wireless Telephone capable of transmitting the human voice thru hundreds of miles of space—

What RADIO Can Bring To YOU—

1. Market quotations up to date! YOU know changes in price of produce, livestock, fruit, hay, etc., as soon as the wholesaler. This alone is worth the price of a RADIO outfit—for it enables you to "talk turkey" to the buyer.
2. Protection against crop losses through floods or frost. RADIO gives 36 hours advance information on weather changes—ample time to set out smudge pots or provide ditches to take care of heavy downpour.
3. World Events as soon as they happen. If the President of the United States should be shot today—YOU would know it as soon as the press. Think of getting the returns of Big League Baseball Games, inning by inning, right in your own home!
4. Music by world-famous artists. Not a reproduction!—you "listen in" on the actual performance. By simply turning the tuning dial of your instrument you can hear grand opera, a wonderful symphony concert, the latest jazz hits by the best jazz artists. If you want to give a dance, use the best orchestras. RADIO brings them right into your home. By attaching your Magnavox (special equipment for intensifying sound) music can be heard all over the house.

RADIO Outfits from \$30 to \$175—varying with distance at which messages are to be received. News service is FREE! Without cost to you, we operate sending stations in both San Francisco and Los Angeles from which news is disseminated to all points in California, Arizona, Nevada and surrounding states.

So simple is the mechanism of a RADIO outfit that a child can operate it—so practical and inexpensive that EVERY FARMER can have one. No danger from fire! No harm can come to operator. Instrument comes in a unit cabinet which can be set on a small table or the mantel. This, together with single copper wire aerial connection from 60 to 100 feet long stretching from house to barn or pole—completes the outfit.

Be up-to-date! You can't afford to be without RADIO any more than you can afford to pass up your morning paper. If desired, outfits may be purchased on partial payment plan.

Write TODAY for complete information and catalog.

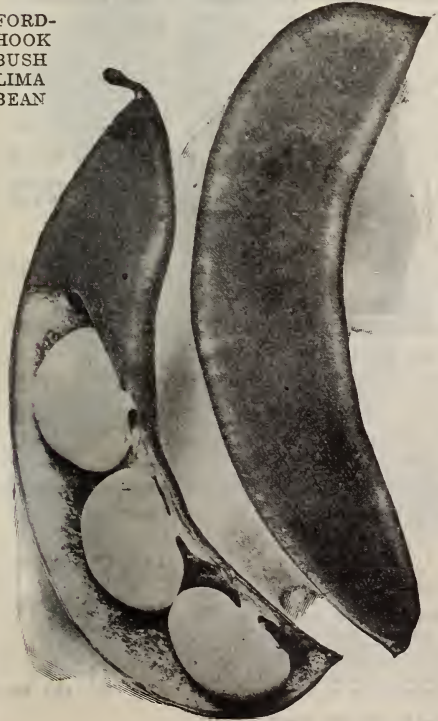
RADIO RECEIVING STATION IN YOUR OWN HOME





PALMETTO ASPARAGUS

FORD-
HOOK
BUSH
LIMA
BEAN



VEGETABLE SEEDS

ALL PRICES ON THIS PAGE ARE POSTPAID

ARTICHOKE

Alcachofa Artischoke Artichaut
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. When planting seedlings, reject those with spiniest leaves.

Germain **LARGE GREEN GLOBE.** The favorite garden Pkt Oz. 1/2lb 1lb.
 variety..... 10 1 20 4 00 12 00
 Plants of large Green Globe Artichoke, see page 108.

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 108.

ARGENTEUIL. The favorite in the Paris markets, and exceedingly popular wherever grown in the United States. The stalks grow to an enormous size, cook tender, of delicious flavor. Pkt Oz. 1/2lb 1lb.
 \$ 10 \$ 20 \$ 50 \$ 51 50

Germain **PALMETTO.** Standard among the asparagus shippers of California is the Palmetto, and Germain's have gone to a really unwarranted expense to get seed from the most perfect first growth stock. This strain grows to mammoth proportions, and very even in size, which makes it especially popular with shippers. The shoots are a light green, slightly tinted with pink, and are tender to an unusual length. No one will be disappointed with the productiveness and fine edible qualities of the Palmetto Asparagus. Pkt Oz. 1/2lb 1lb.
 10 20 45 1 25

BEANS

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 inside cover page. If quantities are desired, write for special prices.

LIMA BEANS

Frijole 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 and two feet apart. 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

Germain RECOMMENDS

FORDHOOK BUSH LIMA BEANS

The old fashioned name of "butter bean" given to lima beans can best be appreciated when eating this delicious variety fresh from your own garden. There are from three to five beans in each pod, which grows in clusters of from two to five on long spikes, making the picking easy where the beans are eaten green. The bush is a vigorous grower reaching the height of two feet, erect and strong. Germain's have long recognized the Fordhook as a splendid variety and this year succeeded in getting a stock of seed which must be placed among the specialties, insuring the buyer of getting absolutely the best. Price, packet 10 cents; 1/2 pound 25 one pound, 40 cents; ten pounds, \$3.50. Write for prices on 100 lb. lots.

	Pkt	1/2lb	1lb	10 lb
BURPEE'S BUSH LIMA. Splendid dwarf Lima; large and of excellent quality.	10	25	40	\$3 50
<i>Germain</i> BURPEE'S IMPROVED BUSH LIMA. The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans, which are unusually thick, of large size and excellent quality.	10	25	40	3 50
FORDHOOK BUSH LIMA. See specialty above.				
HENDERSON'S BUSH LIMA. A dwarf variety of the Sieva or Southern Lima; produces enormous crops.	10	25	40	3 50
MONSTROUS BUSH LIMA. What its name implies. Extra large in size. It should be planted 6 feet by 6 feet in order to give it a chance to develop properly. Good for market or home garden.	15	35	60	5 50

POLE VARIETIES

GIANT PODDED POLE LIMA. The largest podded of all Pole Limas, the pods being gigantic in size measuring very often from seven to nine inches in length and from one and one-half to two inches in width. A vigorous grower and invariably of finest flavor. See also page 11.	15	30	55	5 00
<i>Germain</i> KING OF THE GARDEN LIMA. A vigorous grower, bearing profusely; large pods, five to eight inches. Beans large and of rich flavor.	10	25	40	3 50

CATALOGUE PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

BEANS

See Field Seed Section pages 43-61 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 inside cover page.

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 so poorly prepared as to need deep stirring after planting.

BROAD BEANS

Germain **ENGLISH, OR BROAD WINDSOR.** The celebrated Pkt 1 lb 10 lb 100 lb
broad bean of England, growing on a strong stalk two
feet high; beans eaten shelled. 10 \$ 30 2 50

DWARF OR BUSH GREEN POD

BURPEE'S STRINGLESS GREEN POD

Germain The Stringless Green Pod is recognized as being one of the best beans offered for market garden or general use. In point of earliness, it ranks among the first, and is excelled by none in bearing ability and in good quality. It is one of the greatest green pod beans to date. The pod is very brittle, long and round and is entirely without strings. It is about five inches in length, green in color, very tender, and of the highest and best flavor, remaining for a long time in edible condition, and bearing continuously for weeks.

Price, packet 10 cents, 1/2 lb. 25 cents, 1 lb. 40 cents, 10 lbs. \$3.50.

Germain **CANADIAN WONDER.** This is a strong growing bush variety, bearing large numbers of flat, handsome pods, long and very tender, and with excellent flavor. They are widely known as the best for winter use, and are valuable both to the market gardener and for the home garden.

DWARF HORTICULTURAL OR CRANBERRY. A fine shell variety. Pods medium length, broad and thick, curved with splashes of bright red on a yellowish ground.

EARLY MOHAWK. Hardier than other sorts. May be planted earlier and will often furnish beans before any other kind.

EXTRA EARLY REFUGEE. Very early, prolific; fine quality; a great favorite for canning.

FRENCH MOHAWK. A favorite variety, productive. Fine flavor.

LONG YELLOW SIX WEEKS. A favorite variety; very quick growing, with green, flat pods, which are thick and meaty. The seed when fully ripe is yellow, hence the name. It is a well known market variety, tender and of good flavor; A good market variety, as it is a very heavy cropper.

Pkt	1/2 lb	1 lb	10 lb
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50

WAX OR YELLOW-PODDED

IMPROVED GOLDEN WAX

Germain This bean is a distinct improvement on the old Golden Wax. It is a stronger grower, more prolific and not subject to disease like the Golden Wax. The pods are flat and straight and are grown in great profusion, and we recommend it to the public as a superior bush wax bean—one of the most popular varieties for either market or general garden use.

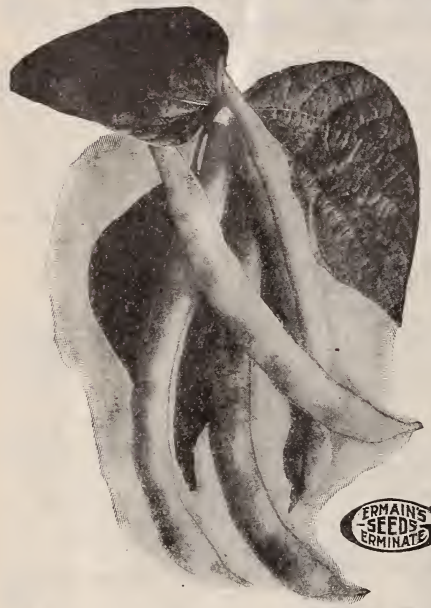
Price, packet 10 cents, 1/2 lb. 25 cents, 1 lb. 40 cents, 10 lbs. \$3.50.

Germain **IMPROVED PROLIFIC BLACK WAX.** In every respect first-class; pods round, a beautiful bright yellow color, very early and continues long in bearing; handsome and immensely productive.

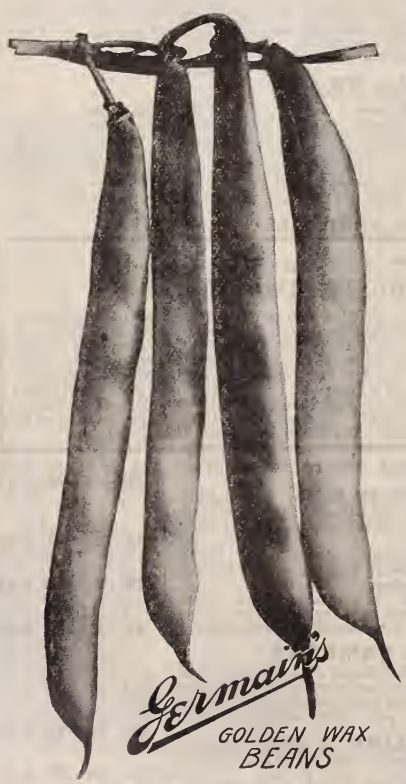
REFUGEE WAX. A handsome round-podded variety, extremely productive, bearing large, fleshy, wax-like pods of splendid quality.

Germain **VENTURA WONDER WAX.** This bean is of California origin, and a very valuable addition to the wax varieties. It is a stocky variety of bush, bearing large numbers of long flat, yellow podded beans, containing white seed, that have a fine flavor. Either used as a snapped bean or dried for winter use. We recommend this bean either for market or general gardening

Pkt	1/2 lb	1 lb	10 lb
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50



BURPEE'S STRINGLESS GREEN POD



Germain's
GOLDEN WAX BEANS

BEANS

POLE, OR RUNNING BEANS

Frijole de Bejuco

Stangenbohne

Haricot a Rames

CULTURE—Sow in a rich soil, in well manured hills, three feet apart each way covering to a depth of two inches. In each hill set a pole eight or ten feet long, around which plant five or six beans, afterward thin out leaving four strong plants to each hill.

GERMAIN'S IMPROVED

WHITE KENTUCKY WONDER

A very popular and satisfactory type of the Kentucky Wonder Beans. It was introduced a few years ago and since then it has been growing in popularity by leaps and bounds until now it is a most desired variety.

Germain's Improved White Kentucky Wonder Bean is a pole bean of a tenderness that places it in the front rank of the bean family. Its productiveness is so exceptional that any one planting a bean garden should not be without it, and as for the market gardener, it will be impossible for him to find a bean that will yield greater returns per acre. It is earlier by two weeks than the other types of Kentucky Wonders and the Market Gardener, who is wide awake, realizes that the big returns are made by harvesting a heavy crop early.

Its tenderness, crispness and color make it very desirable. The pods average from eight to ten inches in length and are of a deep green shade. The seeds when dry are of a snowy whiteness.

Prices: 10c per pkt., 1/2 lb. 25c, 1 lb. 40c, 10 lbs. \$3.50.



ASPARAGUS, OR YARD LONG. Interesting and popular among those who raise it, this bean is still a novelty to many gardeners. No more tender or finer flavored bean ever went into the pot. Every housewife will appreciate the entire absence of strings in the Asparagus Bean, and it should be grown in every home garden.

DUTCH CASE KNIFE. A very good pole bean; early; pods broad and long; used as snap and shell.

Germain's **KENTUCKY WONDER BROWN SEEDED.** This bean is very early and enormously productive, the long green pods hanging in clusters on the poles. They are entirely stringless and very tender. It has long been known as a favorite, as it meets with a ready sale on the early market and is considered a delicacy in the home garden. See page 12.

KENTUCKY WONDER WAX. Similar to above, yellow pods **LAZY WIFE.** Pods six to eight inches long, entirely stringless, of a rich, buttery flavor as a snap bean; also a good white shell bean for winter. Of the finest flavor.

LONDON HORTICULTURAL, OR SPECKLED CRANBERRY. Vines vigorous, with large light-colored leaves; pods short, broad, pale green, becoming streaked with red as they mature; good either green or dry.

SCARLET RUNNER. Ornamental and useful. The vine is graceful; flowers of a brilliant scarlet, and the beans are of excellent quality, shelled or in a dry state.

WHITE CREASEBACK. An extremely early pole bean, very prolific and an excellent shipper.

Pkt	1/2 lb	1 lb	10 lb
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50
10	25	40	3 50

CONTROLLING BEAN PESTS

Beans in California are troubled at various times with insect pests like Aphis, Red Spider, Weevil, and Fungous troubles such as mildew and rust.

Aphis can be controlled by a nicotine spray or with tobacco dust; Red Spider and Mildew by dusting with sulphur, and Rust by spraying or dusting with Bordeaux Mixture. See page 8.

The most serious pest is the Bean Weevil, which only becomes apparent after harvesting. The only remedy is to fumigate the beans with Carbon Bisulphide at the rate of two ounces to 100 pounds. A simple method is to put the seed in a tightly closed room or in a small container and place the Carbon Bisulphide in saucers at the top, allowing it to evaporate. Be sure room or container is closed tightly.

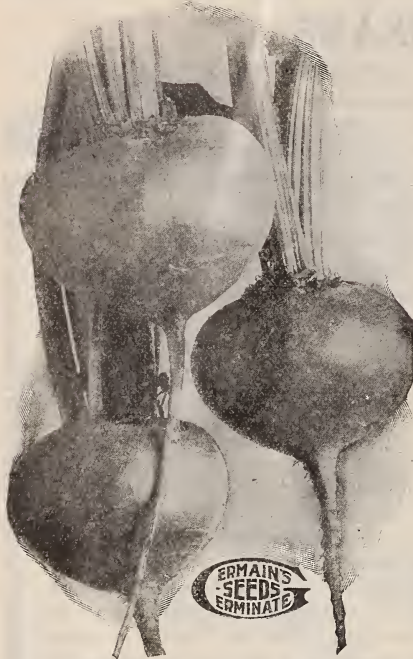
BEETS

Note.—Prices listed are postpaid.

TABLE BEETS

Remolacha **Rothe Ruebe** **Betterave**

CULTURE—This is one of few vegetables that can be grown the year round. 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 uses 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 9 inches apart in the row. These young beets are excellent used as spinach. Frequent cultivation is essential to produce a successful crop.



CROSBY'S EGYPTIAN BEET

Germain RECOMMENDS

CROSBY'S EGYPTIAN BEET

Among all the table beets there is probably no other which has been so often featured by seed houses, where a first class stock of seeds can be obtained. A good purchase by one of our buyers causes us to put the Germain mark of approval on this variety this year by placing it among our specialties. Many experienced growers say "Crosby's Egyptian is the only beet worth planting," and while this may be somewhat of an exaggerated opinion, we will unhesitatingly recommend this lot of seed as being the best that money can buy. Crosby's Egyptian is a medium sized beet, very early and of small top. It grows smooth and the deep crimson flesh is sweet and tender. Price, Pkt. 10 cents; ounce 20 cents; ¼ pound 45 cents; pound \$1.25.

- CROSBY'S EGYPTIAN.** See specialty above.
- DETROIT DARK RED.** One of the best beets for either market or home garden. Very rich in color, being a dark red. We recommend this as specially desirable to plant for market gardeners on account of its attractive appearance. The root is medium sized, globular or nearly round, very smooth and of dark red color.
- Germain* **EXTRA EARLY ECLIPSE.** Eclipse is a well known variety of table beets. Nearly as early as the Egyptian. It is nearly round in shape and has a small top, while the flesh is fine grained and tender with bright red color.
- EXTRA EARLY EGYPTIAN.** Very early, of dark blood color, rather flat shape.
- Germain* **LONG BLOOD.** A splendid variety of fine flavor and of long, symmetrical shape.
- 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.

	Pkt	Oz.	¼lb	1 lb
DETROIT DARK RED	10	20	50	1 50
EXTRA EARLY ECLIPSE	10	20	45	1 25
EXTRA EARLY EGYPTIAN	10	20	45	1 25
LONG BLOOD	10	20	45	1 25
SWISS CHARD, OR SILVER	10	20	65	2 00

STOCK AND SUGAR BEETS

See Field Seed Section, page 55

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.

- Germain* **WHITE CAPE.** Heads of medium size, compact, of creamy-white color.
- ST. VALENTINE.** A variety grown commonly in Oregon and Washington for the Eastern market.

	Pkt	Oz.	¼lb	1 lb
WHITE CAPE	10	90	3 00	59 09
ST. VALENTINE	15	1 50	5 00	15 00

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* **HALF DWARF PARIS MARKET.** A half-dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality.

	Pkt	Oz.	¼lb	1 lb
HALF DWARF PARIS MARKET	10	40	1 35	4 00

CATALOGUE PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Due to the scarcity of all seeds caused by newly created demands elsewhere, we sell out of many varieties and it is necessary to buy on open market at greatly increased prices, so we find it necessary to quote prices in this catalogue subject to change without notice.



Germain's
SWISS CHARD

CABBAGE

Col Repollo Note—Prices listed are postpaid. Cabbage Plants are listed on page 108.
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 plants 1 foot apart in the row. The larger headed varieties, 1 1/2 feet apart in the row.



COPENHAGEN MARKET CABBAGE



CHINESE CABBAGE

Kopfkohl 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 plants 1 foot apart in the row. The larger headed varieties, 1 1/2 feet apart in the row.

Chou Pomme 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. 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.

POINTED, OR OBLONG VARIETIES

SCOTT'S CROSS. A cross between Early Winningstadt and Flat Dutch. Said to produce more on an acre than Winningstadt.	Pkt	Oz.	1/4lb	1 lb
EARLY WINNINGSTADT. See specialty on page ten.	10	80	2 65	8 00
EARLY YORK. An old favorite, with solid, pointed heads. Standard English sort.	10	40	1 35	4 00
SELECTED EARLY JERSEY WAKEFIELD. A favorite sort. Heads very compact, solid and conical shape, few waste leaves.	10	40	1 35	4 00
	10	35	1 20	3 50

FLAT, OR ROUND HEAD VARIETIES

ALLHEAD EARLY. Very early cabbage of the large early sort, and cannot be recommended too highly; remarkably uniform.	Pkt	Oz.	1/4lb	1 lb
CANNON BALL. See page ten.	10	40	1 35	4 00
COPENHAGEN MARKET CABBAGE. One of the most popular round-headed cabbages with the market gardeners. It is one of the earliest of its kind ever introduced. Leaves medium light green, nearly round, thick and smooth. The heads are round extremely solid and of exceptionally good quality. We recommend it unreservedly both for the home garden and market garden.	10	50	1 65	5 00
DANISH BALLHEAD OR HOLLAND. The hardiest round-headed variety in cultivation. The best for winter keeping.	10	50	1 65	5 00
DRUMHEAD SAVOY. Fine quality.	10	50	1 65	5 00
EARLY SUMMER. An early maturing cabbage with large, solid heads somewhat flat, short outer leaves allowing for close planting. A good keeper.	10	50	1 65	5 00
HENDERSON'S SUCCESSION. An excellent second-early variety coming in immediately after the first early sorts; free from coarse veining; enormous heads, exceedingly tender.	10	50	1 65	5 00
GLORY OF ENKHUIZEN CABBAGE. A splendid second early variety. Heads are of good size, almost perfectly round, extremely solid and heavy, deliciously tender and of the finest quality. It is a sure header. We highly recommend this variety.	10	50	1 65	5 00
LARGE LATE DRUMHEAD. Solid head and few loose leaves. Can be planted closely in the field.	10	40	1 35	4 00
SELECTED 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.	10	45	1 40	4 25
SELECTED LATE FLAT DUTCH. A low-growing variety; heads large, bluish green, round, sound, broad and flat on top; an excellent fall and winter variety; good keeper.	10	45	1 40	4 25
SUREHEAD. One of the best main crop cabbages.	10	45	1 40	4 25

CHINESE CABBAGE (Follow Cultural Directions on Lettuce.)

Occidental races have always been slow to absorb anything from the Chinese, but it is surprising that so few people have learned to appreciate the value of the Chinese Cabbage, a type that has been maintained for hundreds of years by that race. It is largely grown for Chinese consumption, and it only remains for Americans to find out its merits to make it popular. It is tender, crisp, blanches itself perfectly, and is equally good raw or cooked.

CHINESE WHITE.	Pkt	Oz.	1/4lb	1 lb
CHINESE GREEN.	10	50	1 65	5 00
	10	50	1 65	5 00

RED CABBAGE

RED DUTCH OR PICKLING. Fine, solid, dark red heads.	Pkt	Oz.	1/4lb	1 lb
	10	50	1 65	5 00

CARROTS

Zanahoria

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.

Note—Prices listed are postpaid.



DANVERS HALF LONG CARROT

CHANTENAY CARROT



OXHEART CARROT

Carrotte

OXHEART, OR GUERANDE, CARROTS

The common tendency of carrots to grow woody or pithy is least noticeable in this improved and popular strain. This variety may be left in the ground longer than any other without developing these depreciating qualities. The Oxheart is a short carrot growing about 4½ inches long and about 3½ inches thick at the shoulder, with a slight taper to the stump rooted bottom. For this reason it is especially desirable for heavy soils, which also grow the best carrots. The flesh is a bright orange, smooth grained and sweet, and it is equally fine for table use or stock feeding. We are pleased to include this variety in our specialties this year, and our selection of this season puts it among the stocks which we can guarantee. Price, packet 10 cents; ounce 20 cents; ¼ pound 45 cents; pound \$1.25.

<i>Germain</i>	EARLY CHANTENAY. This is the best early carrot	Pkt	Oz.	¼lb	1 lb
<i>Germain</i>	grown for market gardeners. Six inches long, stump rooted, smooth, deep red, fine grained and sugary, not apt to crack	10	\$ 20	\$ 45	\$ 1 25
<i>Germain</i>	EARLY FRENCH FORCING. The earliest variety, largely grown for forcing; globular-shaped root of orange-red color.	10	20	50	1 50
<i>Germain</i>	EARLY SCARLET, OR SHORT HORN. One of the most popular varieties for table use; color deep orange.	10	20	50	1 50
<i>Germain</i>	IMPROVED DANVERS HALF LONG. A first-class carrot for all soils; in form midway between Long Orange and Short Horn. Of a rich, dark orange color, very smooth and handsome: 20 to 30 tons per acre is not an unusual crop.	10	20	45	1 25
<i>Germain</i>	IMPROVED LARGE WHITE BELGIAN. Very productive; for stock-feeding exclusively; grows one-third out of ground. Roots white; green above ground.	10	20	40	90
<i>Germain</i>	IMPROVED YELLOW BELGIAN. Same as White Belgian, excepting in color.	10	20	40	1 10
<i>Germain</i>	IMPROVED LONG ORANGE. A well-known standard sort; roots long, thickest near the crown, tapering regularly to a point; color deep orange. Suitable for the table and main field crop.	10	20	45	1 25

CAULIFLOWER

Note—Prices listed are postpaid.

Coliflor 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. Two or three week's difference in planting means success or failure.

CAULIFLOWER PLANTS. See page 108.

Germain RECOMMENDS

EARLY SNOWBALL CAULIFLOWER

After considerable study of the different types of Cauliflower that have been offered both in America and abroad, we have selected a strain which we consider one of the superior types: This strain is known as "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 them 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.

25 cts. pkt. ¼ oz. 1.50 cts. 1 oz. \$4.50 ¼ lb. \$15.00 1 lb. \$45.00

SEE DESCRIPTION OF GERMAIN'S SNOWFLAKE CAULIFLOWER Page 12.

<i>Germain</i>	EARLY SNOWBALL. See specialty above.	Pkt	¼oz	1 Oz	¼lb	1 lb
<i>Germain</i>	EXTRA EARLY ERFURT. Remarkably sure heading, early variety, dwarf habit; similar, not as early as Snowball.	25	1 50	4 50	15 00	45 00
<i>Germain</i>	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.	25	1 50	4 50	15 00	45 00
<i>Germain</i>	HALF EARLY PARIS. A dwarf of the medium early variety. The heads are solid; pure white. Stock does not head as uniformly as others we offer.	15	50	1 50	5 00	15 00
<i>Germain</i>	LARGE ALGIERS. A splendid late variety, eminently adapted for Southern California; heads large, white, solid. One of the best for market gardeners. Our stock is extra fancy.	15	50	1 50	5 00	15 00
<i>Germain</i>	VEITCH'S AUTUMN GIANT. A large, late sort of robust habit; heads compact, large outer leaves. Succeeds well in southern latitudes.	20	50	1 35	4 00	12 00

CELERY

Note—Prices listed are postpaid. Celery plants are listed on page 108.

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 self-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.

	Pkt	Oz.	¼lb	1 lb
CHINESE GREEN TOP. The best "Green Top" variety grown; largely grown by Chinese gardeners.	10	35	1 20	3 50
EASY BLANCHING. A new variety that is meeting with great favor. The plant grows rather dwarf and compact with foliage light green tinged with yellow. It blanches more easily than any other variety and for that reason can be grown by the amateur gardener with complete assurance that it will equal in quality and appearance the best types found on the market.	10	40	1 35	4 00
GIANT PASCAL. Stalks very large, thick, solid, crisp and of rich, nutty flavor; blanches easily and quickly.	10	35	1 20	3 50
GOLDEN SELF-BLANCHING, CALIFORNIA STOCK. Similar to French Stock; seed raised in California from selected plants.	10	80	2 65	8 00
GOLDEN SELF-BLANCHING, FRENCH STOCK. See specialty opposite.				
WHITE PLUME. We offer a choice strain of this valuable and popular variety. Unsurpassed for fall and early winter use, requiring very little earthing up to blanch	10	35	1 20	3 50

GOLDEN SELF-BLANCHING CELERY SEED (French Stock)

The trial ground test in comparison with samples of seed from thirty growers should prove the selected lot to be as fine seed as can be produced. This is exactly the test we applied to this year's stock of this variety, and even at the present high price of celery seed we are satisfied we are offering the greatest value for the money in this tried and true sort. Celery seed has for many years been a strong item with Germain's for purity and high quality, but with the establishment of our testing grounds we are in a better position than ever to praise this item. It is a thrifty variety, growing 18 to 22 inches in height, very stocky, heavy, perfectly solid and a splendid shipper. It is mild but characteristically flavored, and from every point of analysis is entitled to the mark of approval of this house. Packet 15 cents; ounce \$1.50; ¼ pound \$5.00; pound \$15.00.

CELERIC

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 is necessary to have the ground well cultivated and free from weeds.

CELERIC, LARGE, SMOOTH PRAGUE. It is a turnip-rooted celery of a distinctive flavor similar to celery. It makes a wonderful salad when cooked and cut cold.

CHERVIL

Note—Prices listed are postpaid.

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.

CURLED. Is a vigorous grower, handsome and ornamental. It has a pleasing flavor and is highly recommended for garnishing, also for flavoring soups. See cut below.

CHICORY

Note—Prices listed are postpaid.

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. 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 apart and the seed sown ¼-inch deep, using 1 oz. to every 100 feet of row. See cut below.

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. See cut below.

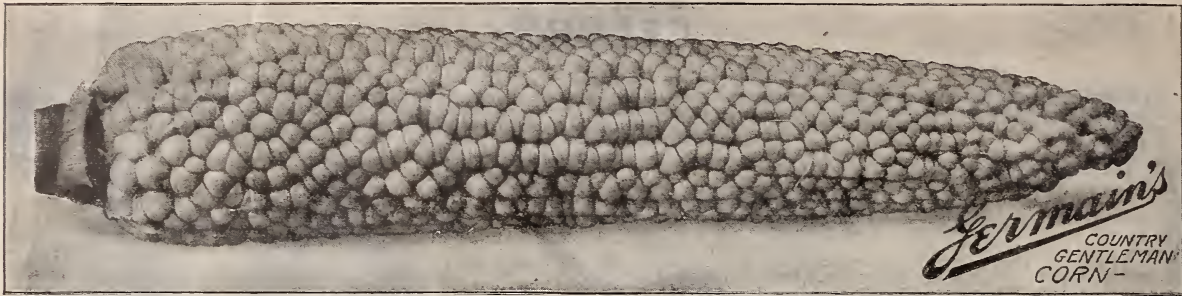


LARGE SMOOTH PRAGUE CELERIC

CURLED CHERVIL

MAGDEBURG CHICORY

WITLOOF CHICORY



CORN

SWEET OR SUGAR

ALL PRICES ON THIS PAGE ARE POSTPAID

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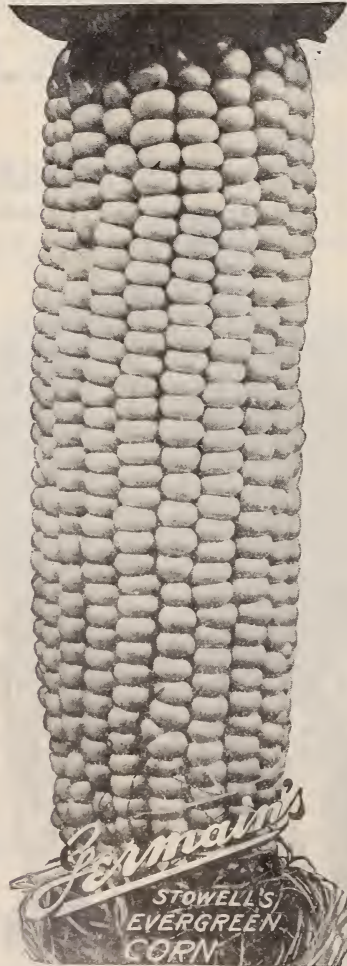
Mais

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 inside front cover. If quantities are desired, do not fail to write for special prices.



ADAMS EXTRA-EARLY. One of the earliest varieties; small cob and quite dwarf in growth. 10 25 \$ 40 \$3 50
BLACK MEXICAN. The sweetest, richest and tenderest of all sweet corn. Turns black only when too old for table use. 10 25 40 3 50
Germain's **COUNTRY GENTLEMAN.** The best for private use. Small white cob densely covered with splendid white grains of delicious flavor. Ears average eight to nine inches. Stalks six feet high, three or four ears to each. 10 25 40 3 50
EARLY MINNESOTA SWEET. One of the earliest, with ears of suitable size for market purposes. 10 25 40 3 50
GOLDEN BANTAM. A very sweet and most delicious corn. See page nine. 10 25 40 3 50
LARGE LATE ADAMS. An ideal variety for August and September planting for late crop. A rapid grower. 10 25 40 3 50
MEXICAN JUNE. A field corn used for roasting ears, etc. See page 49. 10 25 40 3 50
OREGON EVERGREEN. See page 9. 10 25 40 3 50
Germain's **STOWELL'S EVERGREEN.** The standard sort for main crops everywhere. Ears large, deep-grained, exceptionally tender and sugary; remains tender and eatable longer than any other variety. A general favorite with canners and market gardeners for late use. 10 25 40 3 50

	Pkt	½ lb	1 lb	10 lb
ADAMS EXTRA-EARLY	10	25	\$ 40	\$3 50
BLACK MEXICAN	10	25	40	3 50
COUNTRY GENTLEMAN	10	25	40	3 50
EARLY MINNESOTA SWEET	10	25	40	3 50
GOLDEN BANTAM	10	25	40	3 50
LARGE LATE ADAMS	10	25	40	3 50
MEXICAN JUNE	10	25	40	3 50
OREGON EVERGREEN	10	25	40	3 50
STOWELL'S EVERGREEN	10	25	40	3 50

CORN—POP

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. About six feet high, and yield three or four ears to the stalk; 1 pound 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 30 cents, 10 pounds \$2.50.

Catalogue price subject to change without notice.

CORN—FIELD SEE PAGES 47-50

CORN SALAD

Canonigos Faldsalat Mache

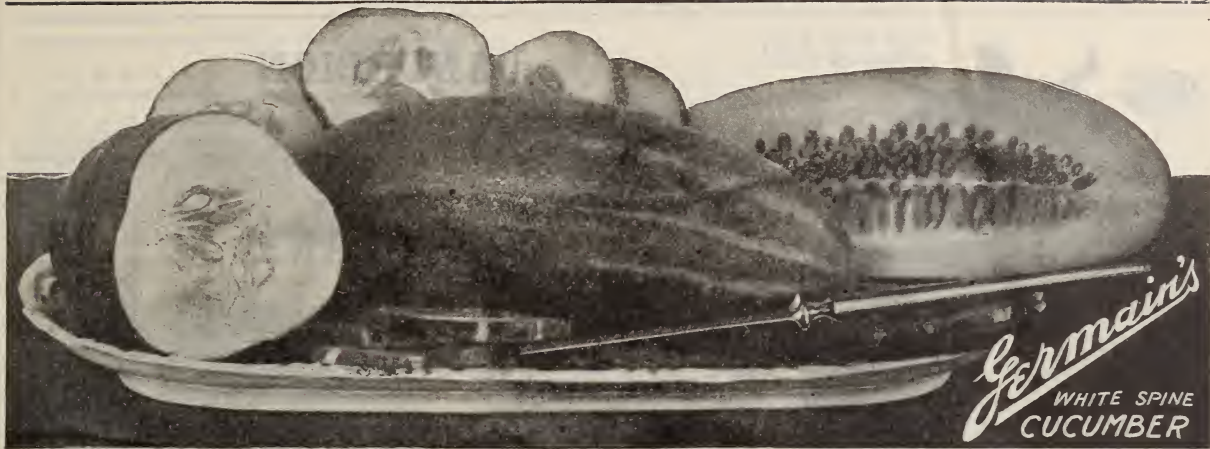
CULTURE—This should be planted in early spring or late summer. It is a hardy plant having no enemies and only requires 60 to 65 days to mature; it however, will not succeed in hot weather but must have cool growing weather. One ounce of seed will sow a row 30 feet long. The small leaves are served like lettuce or for garnishing dishes in the same manner as parsley or cress.

	Pkt	oz	¼ lb	1 lb
<i>Germain's</i> Feticcus, or Lamb's Lettuce.	10	30	1 00	3 00

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. For plants see page 108. Per packet 15 cents, oz. \$2.50.



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.

DAVIS PERFECT CUCUMBER. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, lim and symmetrical, with an average length of ten to twelve inches. They hold color till nearly ripe, when they turn white without a yellow streak on them. Quality fine, as seed are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Price, pkt. 10 cents; ounce 20 cents; ¼ pound 65 cents; pound \$2.00.

BOSTON PICKLING, OR GREEN PROLIFIC. One of the best pickling varieties; also excellent for slicing. Pkt. 10 Oz. ¼ lb. 1 lb. 2 00

CHICAGO PICKLING. A medium sized variety, tapering at both ends with large and prominent spines. Deep green. Fine for pickling. Pkt. 10 Oz. ¼ lb. 1 lb. 50 1 50

EARLY GREEN CLUSTER. Vine hardy and vigorous. Early, and quite productive. Used extensively for pickling and slicing. Pkt. 10 Oz. ¼ lb. 1 lb. 50 1 50

EARLY RUSSIAN. Fruit small but very early. Very productive and of excellent quality. Pkt. 10 Oz. ¼ lb. 1 lb. 50 1 50

EARLY WHITE SPINE. One of the best for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. Pkt. 10 Oz. ¼ lb. 1 lb. 50 1 50

LEMON. Gets its name from its shape. Very early and exceedingly popular in the Los Angeles market. See page 14. Pkt. 10 Oz. ¼ lb. 1 lb. 85 2 50

JAPANESE CLIMBING. While all cucumbers are running vines this variety is much more so. It also quickly climbs on poles or trellises. It is entirely distinct. Quality is splendid. Well adapted for pickling as well as for slicing for salads. Pkt. 10 Oz. ¼ lb. 1 lb. 65 2 00

KLONDIKE. A splendid variety of the White Spine family; very early. Pkt. 10 Oz. ¼ lb. 1 lb. 20 50 1 50

LONG GREEN. Long and crisp; well-known and popular. Pkt. 10 Oz. ¼ lb. 1 lb. 20 65 2 00

NICHOL'S MEDIUM GREEN. One of the best general-purpose cucumbers, the young fruit being very symmetrical in shape, deep in color, very crisp; for slicing there is none better. Pkt. 10 Oz. ¼ lb. 1 lb. 20 50 1 50

WEST INDIA GHERKIN. Oval-shaped; prickly for pickling only. Pkt. 10 Oz. ¼ lb. 1 lb. 30 1 00 3 00

ENGLISH FORCING, OR FRAME VARIETIES

Superior in every way to the American varieties. Single specimens average twenty-four inches in length. Fruit is crisp and tender, with very few seeds.

IMPROVED TELEGRAPH. Unquestionably one of the best winter cucumbers; the best for forcing. Pkt. 1 Oz. ¼ lb. 1 lb. 25 1 00 3 00

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.

TRUE GEORGIA. A strong growing variety with light green leaves. Pkt. 1 Oz. ¼ lb. 1 lb. 5 10 5 20 5 65 5 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.

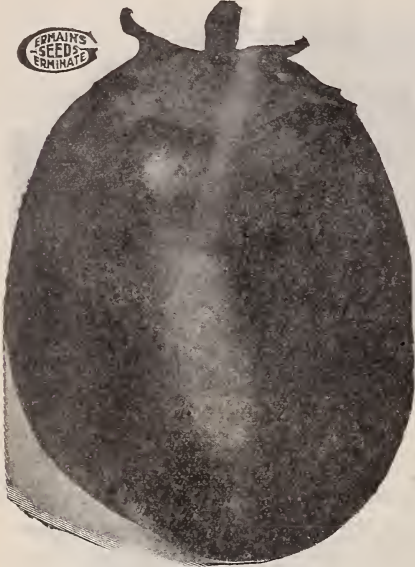
Water cress is grown in almost any ditch, shallow stream, or moist earth and also under benches in greenhouses. It is a perennial and is propagated by scattering either seeds or freshly cut stems where the plants are wanted to grow.

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. Pkt. 1 Oz. ¼ lb. 1 lb. 5 10 5 20 5 50 5 1 50

WATER CRESS. A heavy foliaged plant, adapted to water culture. It has a slightly pungent taste. Pkt. 10 60 2 00 6 00

DAVIS PERFECT CUCUMBER



NEW YORK IMPROVED

DANDELION

Note—Prices listed are postpaid.

Amargon Kuhblume 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 | Pkt | Oz. | 10 \$1 50

EGG PLANT

Note—Prices listed are postpaid. For plants see page 108

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...

Pkt	Oz.	¼ lb	1 lb
10	75	2 50	7 50

ENDIVE

Escarola o Endivia Endive Chicoree

Note—Prices listed are postpaid.

CULTURE—The same as for lettuce. This plant is highly esteemed by the French people and is their popular salad plant. Those Americans who have used it are unanimous in their praise. There is not sufficient of it planted.

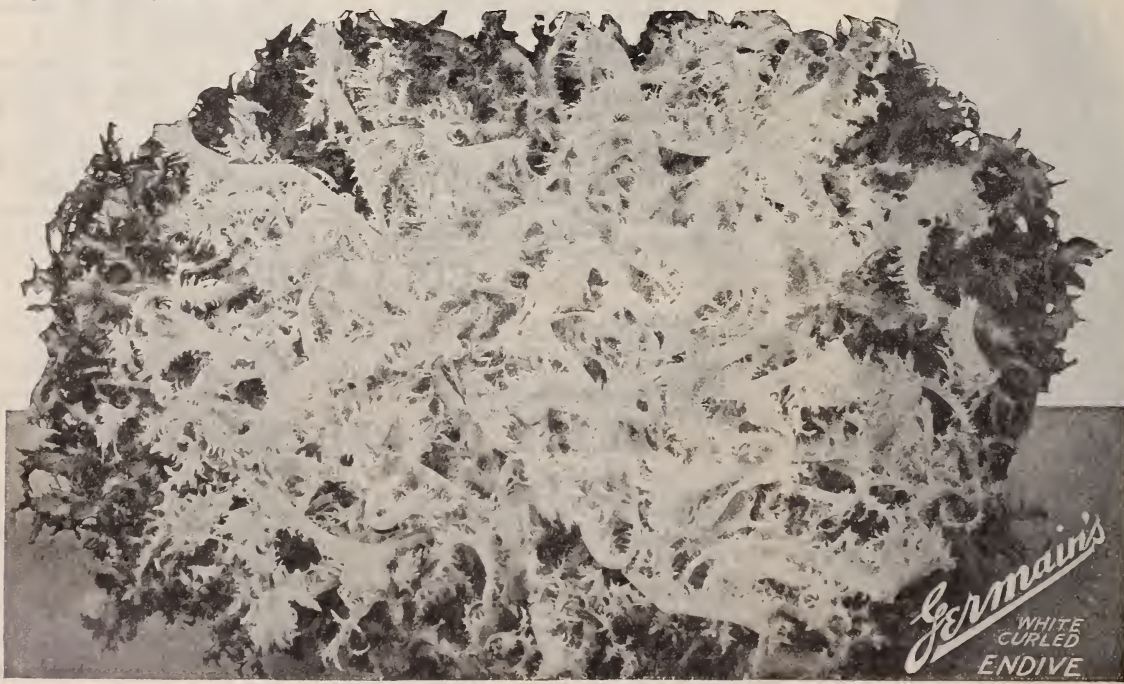
To produce it properly it should be blanched and this can be easily accomplished by drawing the leaves together in a head and tying them together in a head a month before using for the table. One ounce of seed to 100 feet of row.

BROAD-LEAVED BATAVIAN. Leaves are broad, thick, green and more or less twisted with white midribs. It forms large hearts which when blanched, makes one of the best winter salads.

GREEN CURLED. Used very much in salads. Finds a ready market. Hardy, vigorous grower, with deep green leaves, midribs usually tinged with rose.

WHITE CURLED. A beautiful variety. The leaves are finely curled or massed and need no tying up to blanch as the coloring is naturally a pale golden yellow. This not only makes it very attractive but easy to grow, as plants can be gathered at any time.

Pkt	Oz.	¼ lb	1 lb
10	5 20	5 65	5 20
10	20	65	2 00
10	20	65	2 00



Germain's
WHITE
CURLED
ENDIVE

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.



LONDON FLAG LEEK



THOUSAND HEADED KALE

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 price when quantities are wanted.

HERBS

POT, SWEET AND MEDICINAL
 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). | LAVERANDER (Lavendula vera). |
| ANISE (Pimpinella anisum). | MARJORAM, SWEET (Origanum Majorana). |
| BALM (Melissa officinalis). | ROSEMARY (Rosmarinus officinalis). |
| BASIL SWEET (Ocimum basilicum). | RUE (Ruta graveolens). |
| BORAGE (Borago officinalis). | SAFFRON (Crocus tinctorius). |
| CARAWAY (Carum carui). | SAGE (Salvia officinalis). |
| CATNIP (Nepeta Cataria). | SAVORY, SUMMER (Satureja hortensis). |
| CORIANDER (Coriandrum sativum). | SAVORY, WINTER (Satureja montana). |
| CUMIN (Cuminum cyminum). | SORREL (See page 23). |
| DILL (Anethum graveolens). | TANSY (Tanacetum vulgare). |
| FENNEL, SWEET (Foeniculum vulgare). | THYME, BROAD-LEAVED (Thymus vulgaris). |
| HOREHOUND (Marrubium vulgare). | WORMWOOD (Artemista absinthium). |
| HYSSOP (Hyssopus officinalis). | |

KALE, OR BORECOLE

Breton **Blatterkohl** **Chou Rert**
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.

<i>Germain</i> DWARF CURLED SCOTCH. Very hardy, excellent for spring use	Pkt	Oz.	1/4 lb	1 lb
<i>Germain</i> 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.	10	20	65	2 00
<i>Germain</i> JERSEY, OR TREE KALE. Of vigorous growth, grown for chickens and stock only	10	20	45	1 25
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.	10	20	50	1 50

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.

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.

EARLY PURPLE VIENNA. Very hardy; bluish purple.	Pkt	Oz.	1/4 lb	1 lb
<i>Germain</i> EARLY WHITE VIENNA. Flesh white and tender; very productive.	10	30	51	00 53 00
	10	30	1 00	3 00

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.
Germain **LONDON FLAG.** A large and strong plant; hardy.

Pkt	Oz.	1/4 lb	1 lb
10	35	51	15 53 50

LETTUCE

☛ Note—Prices listed are postpaid.

Léchuga **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.



ICEBERG LETTUCE



Germain's
**WHITE COS
LETTUCE**

Germain RECOMMENDS
ICEBERG LETTUCE

A splendid Head Lettuce. For summer planting—compact, tender, crisp, creamy white heads.

Grows a solid head in midsummer and is highly praised by all users. Grow this large, crisp, tender and sweet summer heading lettuce when the varieties will not head. *Germain's* recognized the superb qualities of this Iceberg Lettuce long ago and with our recommendation it is grown more extensively than any other lettuce during the summer. Pkt. 10 cents; ounce 25 cents; ¼ pound 85 cents; 1 pound \$2.50.

CABBAGE OR HEADING VARIETIES

BIG BOSTON. A very deserving smooth-leaved head lettuce, which has not received the attention of California growers as it should. Extremely popular in eastern markets and very successfully grown out here.

There was a hundred acre field of this variety grown on our Ranch this year; the heads are absolutely uniform and the quality of the lettuce could not be surpassed. See page 5.

CALIFORNIA CREAM BUTTER. A fine summer variety; grows slowly and keeps well

ICEBERG. See Specialty above.

IMPROVED HANSEN. Very large, sweet, tender and crisp

LOS ANGELES MARKET. See Specialty on page 14.

Germain **NEW YORK.** The pride of the Los Angeles market. By far the most profitable lettuce grown. It is shipped from here in carloads, as far as Colorado. Exclusively used by the best Los Angeles hotels. Hardy, uniform size, wavy leaved and blanches beautifully. Crisp, tender, of just the right flavor, it never fails to please. We have gone to great expense to secure the best and we list it with our strongest recommendation

Germain **PARIS WHITE COS.** An excellent variety; large, crisp, tender and of fine flavor; resists warm weather and is the best Cos lettuce. Known also as Romaine Cos.

Germain **WONDERFUL.** A splendid variety for market or home use and the best sort adapted for fall sowing. A strong grower, making fine heads

Pkt.	Oz.	¼ lb	1 lb.
10	25	85	2 50
10	20	50	1 50
10	20	65	2 00
10	50	1 65	5 00
10	20	60	1 75
10	50	1 65	5 00

CURLED OR LOOSE LEAVED VARIETIES

Germain **BLACK-SEEDED SIMPSON.** One of the best; leaves are large, thin and exceedingly tender.

EARLY CURLED SIMPSON. A popular early sort; forms large, loose heads.

Germain **PRIZEHEAD.** Large, loose-headed sort; leave tinged with brown; very heavy.

Pkt.	Oz.	¼ lb	1 lb.
10	20	50	1 50
10	20	50	1 50
10	20	50	1 50

Prices Subject to Change Without Notice

MUSKMELONS

Note—Prices listed are postpaid.

Melon Alimzicleno

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. It is highly important that your soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, as quickly as the moisture has thoroughly penetrated and the soil is in a tillable or 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 about it with soil until level with surface.



THOROUGHBRED ROCKY FORD CANTALOUPE



Germain's
LARGE HACKENSACK MUSKMELON

Cantalupen

Muscade

Continuous cultivation is now necessary and where soil conditions require, systematic irrigation should be followed. Do not, however, 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.

GREEN FLESHED VARIETIES

	Pkt	Oz.	¼ lb	1 lb
THOROUGHBRED ROCKY FORD. This is considered an improvement on the Rocky Ford; our seed is selected with the greatest care.	10	\$ 20	\$ 50	\$1 50
<i>Germain's</i> EXTRA-EARLY HACKENSACK. Very popular sort, producing large, handsome, extra early melons of best quality. It is some two weeks earlier and almost as large as the famous New Jersey Hackensack; fruit nearly round, deeply ribbed and very coarsely netted. The flesh is green and most delicious.	10	20	50	1 50
LARGE HACKENSACK. Large fruit covered with coarse netting; thick green flesh, sweet and fine flavored.	10	20	50	1 50
LARGE YELLOW CANTALOUPE. Large oblong-shaped fruit, coarsely netted, ribbed slightly; flesh greenish yellow. Very sweet.	10	20	50	1 50
MONTREAL MARKET. A very large, green nutmeg type, almost round, heavily netted; thick, luscious flesh, late and especially adapted to cool climates.	10	20	50	1 50
<i>Germain's</i> PINEAPPLE CANTALOUPE. Large size, early, flesh green and rich flavor. Excellent shipper and a prime favorite with all.	10	20	60	1 75

GERMAIN'S "HONEY DEW" MELON

(See Page Seven)

The color of Germain's Honey Dew Melon is a dull creamy white. The rind is very thin and close grained. The flesh is a rich green, very fine grained and exceptionally sweet and juicy. The flavor is indescribably delicious. It is a long keeping melon, remaining in good edible condition for several months. The size is about six to seven inches in diameter from top to bottom and about eight inches wide.

The fact that Germain's Honey Dew Melons may be selected by color when being picked for market enabled the grower to know in advance that his entire shipment is composed of first class melons such as will please the most fastidious trade. This feature makes this melon a very valuable type to grow for market. If you want the very last word in melon flavor, don't fail to plant Germain's Honey Dew. This is the melon that now commands fancy prices in every market. Prices, per packet 10c; per ounce 25c; per ¼ pound 85c; per pound \$2.50.

Mushroom Spawn

Seta 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 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.

Mustard

Note—Prices are postpaid.

Mostaza Senf Moutarde

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.

	Pkt.	Oz.	¼ lb	1 lb	
CHINESE WHITE. Gin Toi.....	50	\$ 10	\$.40	\$1.35	\$4.00
<i>Germain's</i> OSTRICH PLUME. So called for its feathery appearance; ornamental as well as useful.	10	.20	.50	1.50	
<i>Germain's</i> SOUTHERN CURLED. Leaves large, fourteen to sixteen inches in length, which are cooked like spinach, and have a very agreeable flavor. One of the best green foods for poultry.	10	.20	.40	1.25	
WHITE LONDON. Best for salads or medicinal purposes.	10	.20	.25	.75	
WILD BLACK MUSTARD	10	.20	.25	.75	

MUSKMELONS

Note—Prices listed are postpaid.



SALMON FLESHED VARIETIES

ROCKY FORD PINK MEAT OR POLLOCK NO. 25. One of the most popular melons used in California for marketing purposes. Salmon colored flesh of fine texture, deep and firm. Probably the most extensively planted melon.

ROCKY FORD-POLLOCK No. 1025. The latest improved type of the popular Rocky Ford. Perfect shipping qualities. Very good flavor.

ROCKY FORD GOLD LINED. A perfect shipper due to the hard netted rind. Gets its name from the yellow tinge around the seed cavity. Has best flavor of all Rocky Fords.

PERSIAN. A new variety, yellow flesh, heavily netted but of smooth rind. Very sweet and of distinctive flavor. Splendid keeper—average weight about 7 pounds each—many much larger. See page 12.

BANANA. Grows one and a half to two feet in length and three or four inches in diameter; flesh salmon, and exquisitely flavored, resembling banana. Brings a high price in eastern markets.

Germain **BURRELL'S GEM.** A splendid new variety. Superior to Rocky Ford. Flesh thick, salmon in color and fine flavor; rind heavily netted.

GOLDEN HONEY. A salmon-fleshed Honey Dew. Very good. See page seven.

Germain **HOODOO.** A new and excellent variety; an ideal shipper of medium size; rind thin; flesh very thick, firm and highly colored; of fine texture and delicious flavor.

EMERALD GEM. A small, very early melon; form globular, flesh salmon-colored, exceptionally fine flavor.

INDIANA. Rich yellow flesh. See page eight.

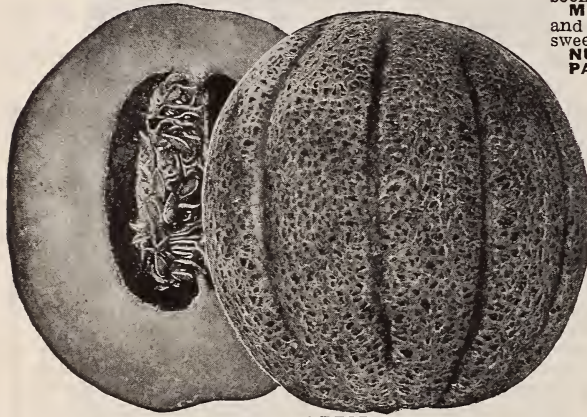
MANGO MELON, or "VINE PEACH"; Fruit is size of a peach, of bright orange color; are not eaten raw but are fine for preserves, pies, pickling, etc. Ripen soon after falling from vine.

MILLER'S CREAM, OR OSAGE. The fruit is large and round, with light green netted skin and thick, sweet, salmon-colored flesh.

NUTMEG-TOP. An improved strain; very sweet.

PAUL ROSE. Handsome; oval, new variety; rich orange, flesh very sweet.

Pkt	Oz.	¼ lb	1 lb
10	25	80	2 25
10	25	80	2 25
10	25	80	2 25
20	60	2 00	6 00
10	20	50	1 50
10	20	50	1 50
10	20	60	1 75
10	20	60	1 75
10	20	65	2 00
10	20	50	1 50
10	25	85	2 50
10	20	65	2 00



MISSION BELL

GERMAIN'S "MISSION BELL" CANTALOUPE

We consider ourselves very fortunate in being able to offer this splendid melon. The flesh is a full salmon color even up to the very rind, and is of unsurpassed flavor, bearing a high percentage of sugar. The rind is heavily netted and the melon is larger than medium size.

Mission Bell is a vigorous grower, early bearer, and if planted a bit late in the season is not so acutely susceptible to frost. An outstanding feature is the keeping qualities, both on the vine and after being picked. For an all round family melon, here is a crackerjack; and as for the market gardeners, we can say Mission Bell is grown by California's most extensive melon growers. You can't beat the Mission Bell. Pkt. 10c; oz. 40c; ¼ lb. \$1.35; 1b. \$4.00.

CASABA MELONS

Note—Prices listed are postpaid.

CULTURE—The same as Muskmelon. Follow carefully.
CASABA POINTERS—The Casaba is an exceptionally fine melon if grown, picked and cured properly and to insure success follow our pointers.

1. For early Casabas plant as soon as weather will permit, usually March. For a late crop plant from middle of June to middle of July.

2. Picking at the proper time is very important. If desired for immediate use do not pick until the rind will give under pressure, using the thumb to determine this. If rind is firm the melon is not ripe and full flavor has not yet developed.

3. Casabas can be picked green and held in storage until ripe. Green melons are used for shipments of any distance. Do not pick for shipment until the melon has lost its shiny appearance.

EASTERN. Long oval-shaped, skin very thin and delicate; flesh extremely tender, rich and sweet.

Germain **GOLDEN BEAUTY.** A variety of Winter Pineapple which it resembles in every way except color.

Germain **IMPROVED HYBRID.** A variety that ripens late and is a good keeper. Thick flesh of excellent quality.

Germain **SANTA CLAUS.** The latest melon grown. Thin, hard skin with yellowish brown markings, flesh light green and good flavor. Can be picked in September or October and will keep for several months.

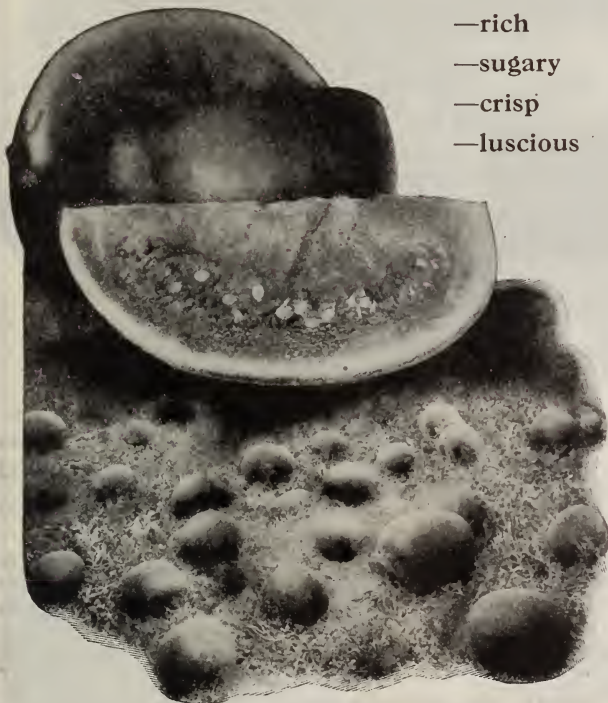
Germain **WINTER PINEAPPLE.** A large, late melon, of unique appearance, corrugated skin, green flesh of pronounced pineapple flavor. Melons do not ripen on the vines. Flavor is greatly improved by being stored in a cool place.

Pkt	Oz.	¼ lb	1 lb
10	20	50	1 50
10	25	85	2 50
10	25	85	2 50
10	25	85	2 50
10	25	85	2 50



Germain's Wonder Watermelons

Four Big Favorites



- rich
- sugary
- crisp
- luscious

The New Black Seeded

Angeleno Watermelon

A combination of the unexcelled qualities of the famous angeleno and the favorite black seeded Chilian. Undoubtedly a melon of par excellence and a prime favorite for the market. The sweet meat of this melon together with its crisp, sugar crystal formation endears it upon first use.

Per packet 10c; Ounce 20c; $\frac{1}{4}$ lb. 70c;
1 lb. \$2.00.

Brazilian Watermelon

You'll like this crisp, refreshing, delicious melon. Hundreds of discriminating market and home gardeners endorse this unusual watermelon.

You'll like its bright red crisp flesh of delicate granulated texture. This melon is the triumphant result of many years of careful hybridizing.

The Brazilian was originated by one of the most successful market gardeners of Southern California. This fact insures its adaption to planting in this section. We have bought the entire seed production ever since its introduction. The melon is oval in shape with a medium thick rind and a beautiful apple green skin. We strongly recommend the Brazilian melon for home use and close-in markets.

Per Packet 10c; Ounce 20c; $\frac{1}{4}$ lb. 40c;
1 lb: \$1.25. Prices are Postpaid.

That wonderful, improved white seeded

Chilian Watermelon

Another unusual melon of exceptional merit. It is extra solid, extra crisp and extra sugary.—a great favorite with growers because of its remarkable eating and shipping qualities. Each melon contains but few seeds and the crisp deep red flesh looks as though frozen to a crystal-like iciness.

Per Packet 10c; Ounce 20c; $\frac{1}{4}$ lb. 50c;
1 lb. \$1.50. Prices are Postpaid.

The fine flavored improved black seeded

Chilian Watermelon

This melon possesses a rich, fruity flavor. It has all the good qualities of the white seeded melon but is a trifle sweeter and has a very thin rind. Home gardeners like this variety because of its moderate size and delicious flavor. We advise you to plant this variety this season.

Per Packet 10c; Ounce 20c;
 $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

See also page six

THE MELON APHIS

The melon aphis is in some seasons one of the most important enemies of melons and some other crops, and is injurious like other aphides by piercing the plants affected, with its beak and thus sapping their vitality. It occurs from early spring to late in autumn on cucurbits of all kinds, many other crops and weeds of great variety and in its season of abundance, notably following springs that are cool and rainy, it frequently does very serious damage, causing the leaves attacked to curl, shrivel and lose color, interfering with the ultimate development of the fruit, if not killing the plants outright. The melon aphis is variable dark green in color and of sluggish habit.

Method of Control

The severe losses occasioned by this insect in seasons when it multiplies in unusual numbers could be largely mitigated and, in small areas, almost entirely prevented if the employment of methods of destruction were begun upon its first appearance. First of all, it is necessary to familiarize oneself with the insect and the condition of the plants by which its presence is manifest that measures of control may be instituted before it is too late. In ordinary seasons it is controlled by natural elements and insect enemies alone, and when the weather is unfavorable to the development of the latter the grower should be on the alert. The lice may be killed by spraying with tobacco extract such as Black Leaf 40 or Floral Nicotine, or by dusting with Tobacco Dust. Since the insects are usually found on the under sides of the leaves it is very essential that these parts be thoroughly sprayed or dusted. We recommend thorough spraying or dusting as the only means of effectively controlling this insect. See also Insecticide Section in back part of catalog.

WATERMELONS

Note—Prices listed are postpaid.

Sandia

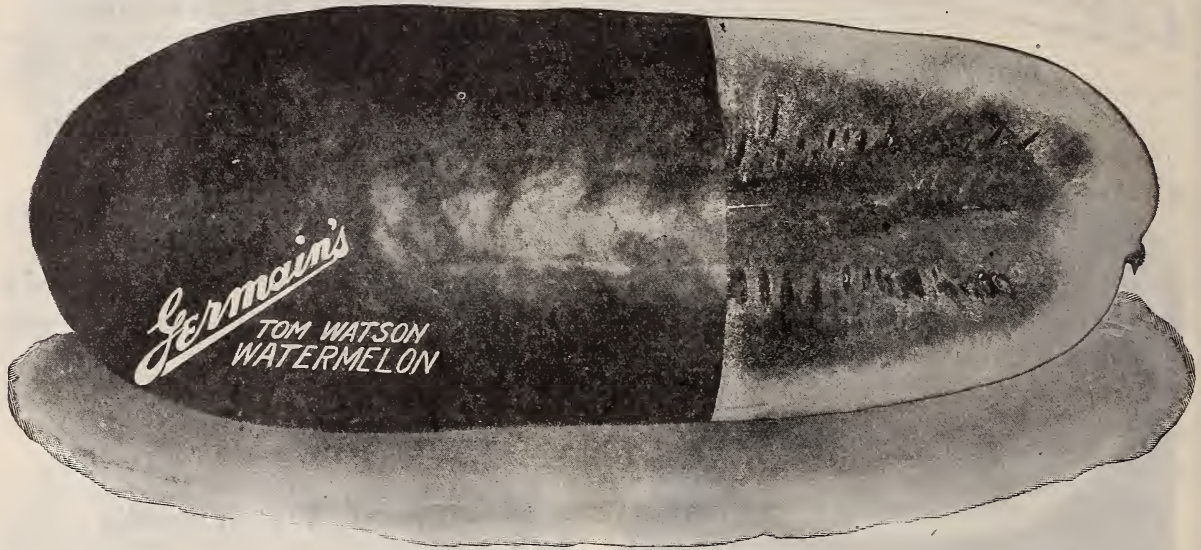
Wassermelone

Melon d'Eau

CULTURE—The same culture as applied to the Muskmelon is employed in growing Watermelons. Furrows of about 8 inches 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 Muskmelons, 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.



	Pkt	Oz.	¼ lb	1 lb
ALA RUSS. A new melon that is late in maturing, and for that reason is ideal for the late market. Light in color and about ten inches in diameter. Seeds small black, the flesh being pink and solid. The melon should be allowed to ripen off the vine like a Casaba.	10	\$ 30	1 00	\$3 00
ALABAMA SWEET. A very popular variety in the south, especially in Texas, where they grow it in preference to any other. In shape it is long, color dark green, flesh red and absolutely stringless.	10	20	35	1 00
ANGELENO. A top notch melon; big producer, excellent shipper, oval shaped and fine color; medium size to large; pick only when green shades to gold. A prime favorite with all.	10	20	50	1 50
BLACK SEEDED ANGELENO. See specialty preceding page.				
BRAZILIAN. See specialties on preceding page.				
EXCEL. This is a new variety of black seeded melon that has proven very popular in the south and also in the San Joaquin Valley. Large size, extra good shipper and heavy yielder.	10	20	65	2 00
FLORIDA FAVORITE. An old popular, long-stripe melon of good quality.	10	20	40	1 25
GEORGIA RATTLESNAKE, OR GYPSY. Standard southern variety, which possesses remarkable shipping qualities: oblong, scarlet flesh, crisp and juicy.	10	20	40	1 25
GERMAIN'S GIANT WONDER MELON. Read page six.				
GERMAIN'S IMPROVED BLACK SEEDED CHILIAN. See specialty on preceding page.	10	20	50	1 50



ANGELENO

GERMAIN'S IMPROVED BROWN SEEDED CHILIAN. See specialty on preceding page.	10	20	50	1 50
GERMAIN'S IMPROVED WHITE SEEDED CHILIAN. See specialty on preceding page.				
KLECKLEY'S SWEET. This new melon is one of the best for the home market or family use. The melons are large, eighteen to twenty inches long and ten to twelve inches in diameter, dark green; rind thin, flesh scarlet and very sweet.	10	20	40	1 25
KLONDIKE. One of the sweetest and most prolific melons. Seeds one-half as large as in other melons. Although not a good shipper, good for local consumption. See page 13.	10	30	1 00	3 00
TOM WATSON. An exceedingly popular melon in the South. Fruit large, running at times as high as sixty pounds. Rind thin but tough, consequently a good shipper. A dark green in color with flesh a brilliant scarlet. Very large with small seed area.	10	20	50	1 50
YELLOW-FLESHED ICE CREAM. The melon grows very large, of oblong shape, the flesh is a beautiful yellow, and has a peculiar, delicious flavor, different from any other variety.	10	20	50	1 50

PRESERVING MELON

Note—Prices listed are postpaid.

	Pkt	Oz.	¼ lb	1 lb
COLORADO PRESERVING CITRON. Excellent for making Preserves.	10	20	45	1 25

STOCK MELON

Note—Prices listed are postpaid.

	Pkt	Oz.	¼ lb	1 lb
GREEN SEEDED CITRON. A hardy, productive variety for feeding purposes.	10	20	40	\$1 00
RED SEEDED CITRON. Same as green only red in color.	10	20	45	1 25

ONIONS

Cebolla

Zwiebel

Oignon

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.

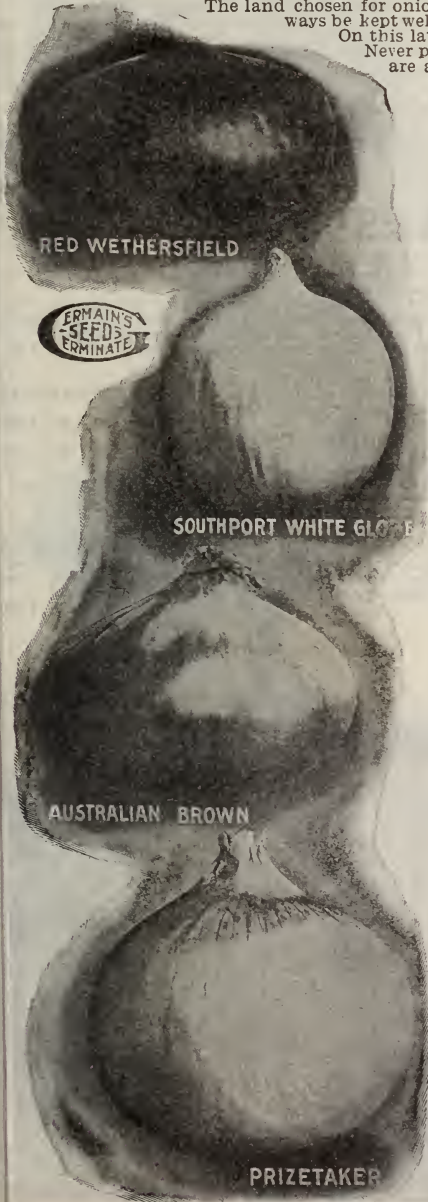
Sow onion seed with a seed drill in rows 14 inches apart, using on this basis from 4 to 4½ pounds of seed per acre. The land must be thoroughly plowed, disked, and harrowed when necessary. It is impossible to prepare your land too carefully in growing the onion as it responds readily and in order to 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 would 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. The seed should be sown broadcast in the bed about ¼ of an inch deep. When transplanted they are put in rows 14 inches apart and 6 inches apart in the row.

The land chosen for onions should be damp or easily irrigated, preferably loose sandy loam or peat and should ways be kept well drained. Heavy adobe or clay soil is good but here irrigation must be carefully practiced.

On this latter soil onions do not color up as well nor are they as even in shape as on lighter soil. Never pick weedy land for onions and avoid lands just free of grain crops. Garden lands are always preferable. Repeated planting for more than two successive seasons on the same ground is not advisable as onion diseases are bound to appear.



AUSTRALIAN BROWN ONION

The first requirement of the market gardener in selecting an onion is its shipping quality. The producer for home use finds this feature of equal value, for it insures him a prime supply of the vegetable in the cellar bin at all times. In stocking the Australian Brown, Germain's are entirely satisfied that under the most adverse conditions the grower will be more than pleased with this variety. The flesh is pure white, close layered, juicy and tender, growing to a good size. This hardy variety does especially well in the South, and when planted in rich, sandy soil and given an abundance of water, will produce more to the acre than any onion that has come under our observation. Germain's customers will not regret planting the Australian Brown, and we are pleased to note that we are stocked to take care of all orders. Pkt. 10 cents; ounce, 20 cents; one-fourth pound, 60 cents; one pound, \$1.75.

	Pkt	Oz.	¼ lb.	1 lb.
AILSA CRAIG. A large variety of the Spanish type. Grows to a very large size, very often weighing over two pounds and measuring more than five inches in diameter. The skin is straw color, flesh pure white, and tender and mild.	10	50	1 65	5 00
AUSTRALIAN BROWN. See specialty above.				
<i>Germain</i> BERMUDA RED. An early variety resembling the white Bermuda, except in color, which is a pale red, flesh crisp and mild flavor. Fine market onion. (Tenerife-grown)	10	40	1 35	4 00
<i>Germain</i> BERMUDA YELLOW ONION. This variety is more extensively grown for the early market than any other. Being ready for shipping when the storage supply is exhausted they bring the very highest price. Our stock of seed is from the Island of Teneriffe, grown by the most reliable seed grower in that celebrated district. A large, flattish onion, very mild and of a pale straw color.	10	40	1 35	4 00
<i>Germain</i> CRYSTAL WHITE WAX. A large white onion of the Bermuda type, becoming more popular every year. It is very early, mild in flavor. Excellent shipper and keeper. The seed is very generally sown in beds, and transplanted to the fields when partly grown. Our stock of seed is from the same Teneriffe grower that has supplied us with our fine stock of White Bermuda seed for years. While the supply is limited we are able to offer.	10	50	1 65	5 00
DENIA. A Spanish type, with large globular shape somewhat flattened on under side. Mild flavor, and heavy yielder.	10	35	1 15	3 50
GERMAIN'S GREAT BUNCHING ONION. See following page.				
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. Our strain of seed of this onion is very fine.	10	25	85	2 50
<i>Germain</i> MAMMOTH SILVER KING. A large white onion with a silvery skin, flattened on top but quite thick. The flesh has a mild, pleasant flavor, and is so sweet it can be eaten like an apple. They have been known to weigh over three pounds, and yield at the rate of 4,000 pounds to the acre. They mature early and are good keepers.	10	50	1 65	5 00
NEW QUEEN.	10	40	1 35	4 00
<i>Germain</i> PRIZE-TAKER. The largest of the yellow onions, globular in shape, of a pale straw color. Produces enormous crops; bulbs frequently weigh as high as three pounds.	10	25	85	2 50
<i>Germain</i> SOUTHPORT WHITE GLOBE. A great yielder, fine grained and firm; flavor mild.	10	30	1 00	3 00
SOUTHPORT YELLOW GLOBE. The Southport Onions are handsome globe-shaped bulbs of excellent quality, uniform in size and fine keepers. The yellow is one of the earliest.	10	25	85	2 50
SWEET SPANISH ONION. see page 16	15	60	2 00	6 00
<i>Germain</i> 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.	10	30	1 00	3 00
<i>Germain</i> 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.	10	20	60	1 75
YELLOW GLOBE DANVERS. A well known early onion of fine quality. Flesh white and firm. Color a bright orange; grows to a good size, hardy, a sure cropper and a good keeper.	10	25	85	2 50



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. Price, packet 10 cents, ounce 25 cents, 1/4 pound 85 cents, pound \$2.50. Prices are postpaid.



ONION SETS

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 on inside cover page. 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.

BERMUDA. We can supply from July 1st until October 1st.	11lb.	101bs.
BROWN AUSTRALIAN.	40	\$3 50
WHITE PORTUGAL.	40	3 50
YELLOW DANVERS.		

GARLIC SETS. See page 31.

OKRA

Note—Prices listed are postpaid.

Quimbombó 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 1 1/2 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 bearing. The pods are of medium length, greenish white, tender and of good quality.

LONG GREEN. Later and more productive; ribbed pods.

Germain **WHITE VELVET.** Pods round, smooth, free from seams; exceedingly tender, well flavored and very prolific.

Pkt	Oz.	1/4 lb	1 lb
10	20	45	\$1 25
10	20	45	1 25
10	20	45	1 25

PARSLEY

Note—Prices listed are postpaid

Perijil Petersilie Persil

CULTURE—Same as Lettuce, see page 29. 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.

Germain **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.

FERN-LEAF MOSS. Most exquisite in form and color; exceedingly fine for garnishing and flavoring.

Germain **HAMBURG, OR TURNIP-ROOTED.** The roots are excellent for flavoring soups.

Pkt	Oz.	1/4 lb	1 lb
10	5	20	\$45 51 25
10	20	45	1 25
10	20	50	1 50

PARSNIP

Note—Prices listed are postpaid.

Chirivia Pastinake Panais

CULTURE—Sow any month in the year in drills of 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.

Germain **HOLLOW-CROWNED.** Best parsnip grown either for table or stock.

Pkt.	Oz	1/4 lb	1 lb
10	20	50	1.50



Germain's
HOLLOW CROWNED PARSNIP

PEAS

Chicharos o Guisantes Erbsen Pois

Note—Prices up to and including ten pound quantities include postage or expressage pre-paid. 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 cover page. If quantities are desired, do not fail to write for special prices.

CULTURE—We classify Peas into three distinctive types. First early, second or medium early, and late. Of the early peas, we recommend Nott's Excelsior, American Wonder and Gems. These planted in August and September will come into bearing for the early high price market. For the home garden first early the little Marvel should be used. The main market gardeners crop is of the second early type and we recommend the Stratagem and Admiral or Senator for this planting. Of the late peas the Telephone is to be preferred.

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.

FIRST EARLY VARIETIES

AMERICAN WONDER. This is an early wrinkled pea of dwarf habit, the vines generally being about a foot high. Especially good for the private garden. It is quite distinct from other peas, being very stocky and erect. Very prolific.

DWARF TELEPHONE. This is a dwarf growing strain of the "Telephone" variety.

GRADUS. An early wrinkled Pea of the finest quality, bearing large pods well filled with the sweetest peas you ever ate. It is not only large and of good quality, but it is also one of the very earliest sorts, and brings the best prices. The demand for these peas from the hotel and choice trade is never supplied. Market gardeners should plant a liberal acreage of this variety. Does best in loamy soil.

LAXTONIAN. A fine wrinkled pea, being the largest podded of the dwarf varieties. The pods are similar to Gradus in shape, color and quality.

LITTLE MARVEL. One of the best among the early varieties, bearing its peas in groups of two to six stem. The peas are small, the pods well filled, of delicious flavor, being exceedingly sweet.

McLEAN'S LITTLE GEM. A dwarf first early pea of unusual value. Vines average fifteen inches in length; they bear pods about two and a half inches in length, often borne in pairs when mature, always tightly filled with peas of excellent flavor. As early as any but with a larger pod than most early varieties.

NOTT'S EXCELSIOR. A splendid dwarf wrinkled sort, one of the best, hardy, vigorous, and will mature almost as soon as the smooth varieties, often ready to pick in fifty days. The pods usually contain from seven to nine peas. Tender and of fine flavor. This variety is rapidly growing in favor for early planting, as its hardness and quick growth make it a very profitable market pea.

PREMIUM GEM. A fine early wrinkled pea with vines about fifteen inches high, pods long and produced in abundance. A profitable market variety excellent for private use.

SECOND EARLY VARIETIES

ADMIRAL OR SENATOR. A new sort introduced on our local market about three years ago. It is a good second early pea, has thick green foliage, and bears abundantly, large well-filled pods. We consider it one of the best peas for our local markets.

DWARF SUGAR or EDIBLE POD. A low growing vine bearing large sweet pods that can be cooked and used the same as stringless beans. Vines bear heavily of peas that have delicious flavor.

JUNO. Ideal for main crop. Resists heat perfectly. Dwarf, wrinkled pea, of hardy, vigorous and prolific growth. Long pods, containing 7 to 9 peas of best quality. Sometimes known as Dwarf Champion.

STRATAGEM. This variety has come into prominence on the Los Angeles due to the fact it is exceedingly prolific and sweet, and has a tendency to keep well after picking. The majority of peas purchased at the corner grocery or fruit stand are this variety. For the market gardener they are exceedingly profitable, and as it is profitable for him to grow them, it is also for the home gardener. It is the main crop variety which grows without any supports. A plot planted to this variety will be very profitable. See page 11.

YORKSHIRE HERO. Its strong, vigorous growth makes this pea especially valuable to the market gardener and in the home garden that is not too well taken care of, it will naturally be found the most healthy and productive of all the vegetables. It grows bushy, yields prodigiously, pods are filled with delicious peas.

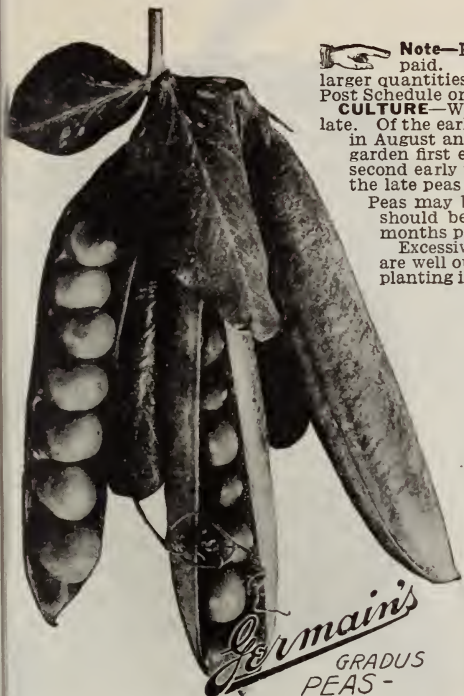
LATE VARIETIES

ALDERMAN. A wonderfully well flavored Pea and one that is bound to be sold largely in this market. In habit, the vines are tall and branching, bearing large deep green, straight and handsome pods, averaging 4½ to 5 inches in length. When it is well known, this pea to our notion is bound to supersede the "Telephone". Do not fail to include the Alderman pea in your order, and if you are a market gardener and desire to grow a Telephone pea, specify Alderman. It will make you money.

PRIZETAKER. The largest pea grown. Of fine flavor. See page 15.

TELEPHONE. A fine wrinkled pea growing about four feet high. The peas are large, and of a pale green color. It is very prolific and the pods are very large, containing eight or ten peas.

Ht. ft.	Pkt	½ lb	1 lb	10 lb
1	10	25	40	3 50
2	10	25	40	3 50
3	10	25	40	3 50
2	10	25	40	3 50
2	10	25	40	3 50
1	10	25	40	3 50
1½	10	25	40	3 50
1½	10	25	40	3 50
2	10	25	40	3 50
2½	10	25	40	3 50
2	10	25	40	3 50
2	10	25	40	3 50
2	10	25	40	3 50
5	10	25	40	3 50
5	10	25	40	3 50



PEPPERS

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 to 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. As pepper seed demands ideal conditions for growing, do not attempt to plant the seed in the open unless it be in the summer when the air and ground are warm. A loose sandy loam soil is best. One half pound of seed will produce enough plants for an acre. **PLANTS**, see page 168.



GERMAIN'S PERFECTION PIMIENTO PEPPER

California is famous for her production of all kinds of peppers among which the Pimiento stands pre-eminent among the home garden types. All home gardens should include Germain's Perfection Pimiento Pepper which is unquestionably the most wonderful home pepper ever offered by any seedman. It is of brilliant red color, fine texture, but of thick flesh, with a semi-sweet tasty flavor. The absolute absence of any hot tendency insures just the right delicate touch in making up salads, finishing appetizing steaks, or as a stuffed side dish. To those who know the eating qualities of an unexcelled pepper, we need say no more, and to those who have never knows it, we can only say that you have missed a rare treat, and by all means should see that it has a place in your garden.

Prices: Packet 10c; Ounce 60c; ¼ lb. \$2.00; 1 lb. \$5.90.



	Pkt	Oz	¼lb	1 lb
<i>Germain's</i> ANAHEIM CHILI. (Chili Caliente). The country around Anaheim is the greatest pepper growing section in the world, the shipments running over 100 car loads a year. Our seed is selected from the finest and most productive fields in that vicinity and is certain to produce splendid crops. This pepper is from 6 to 8 inches long and tapers from 1½ to 2 inches in diameter at the top to a point. When dried it is a brilliant scarlet.	10	50	1 65	55 00
<i>Germain's</i> BELL, OR BULL NOSE. Early, sweet and of good flavor.....	10	80	2 65	8 00
BIRD'S EYE or CREOLE. The smallest of all hot peppers and the most pungent in taste.....	10	80	2 65	8 00
CAYENNE. Pods small, long and tapering; coral red when ripe, very hot and strong, best kind for seasoning pickles; the Cayenne Pepper of commerce.....	10	80	2 65	8 00
CHINESE GIANT PEPPER. A pepper of exceptional merit. It's very mild in flavor and is an ideal variety for the home garden. Produces enormous peppers measuring as much as five inches broad at the top and of equal length. It is highly productive, plants being so thickly covered that they appear to bear in clusters. Its flesh is thick, solid, but of fine texture making the ideal stuffing pepper, for which purpose it is greatly and rightly famed. See page 15.....	10	80	2 65	8 00
MEXICAN CHILI. The pepper that has made the tamales of Mexico famous is becoming very popular in the Southwest. Our seed is obtained directly from Mexico. It is a medium size, pear-shaped pepper, and turns bluish black when dried.....	10	50	1 65	5 00
PERFECTION PIMIENTO. See above.....	10	60	2 00	6 00
RED CHERRY. Tall plants with a number of bright red peppers about two-thirds of an inch in diameter. Very ornamental.	10	80	2 65	8 00
RED CHILI. A very pungent variety. Grows about 2 inches long, measuring from one-third to one-half inch at the base and tapering down to a point.....	10	80	2 65	8 00
RUBY KING. A large growing sweet pepper of the Neapolitan type; strong grower and prolific.....	10	80	2 65	8 00
TABASCO. A tall, bushy variety producing many slender and fiery hot peppers about 3 inches long and ¼ inch thick.....	10	80	2 65	8 00

Prices Subject to Change Without Notice.

PUMPKINS

Note—Prices listed are pstpoaid.

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.



WINTER LUXURY PUMPKIN

	Pkt	Oz.	¼ lb	1 lb
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	\$ 10	\$ 20	\$ 50	\$ 1 50
CALIFORNIA FIELD. Selected, very large, for stock	10	20	45	1 25
CHEESE. Size large; reddish orange; flesh thick, fine and sweet; keeps well.	10	20	35	1 00
<i>Germain</i> 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.	10	20	40	1 25
CUSHAW, OR CROOK-NECK. Solid, fine, sweet; keeps well.	10	20	50	1 50
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	10	20	35	1 00
KENTUCKY FIELD PUMPKIN. 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 conditions.	10	20	35	1 00
<i>Germain</i> MAMMOTH KING or POTIRON. The best large pumpkin in use. Forms immense globular melons, 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	10	20	60	1 75
<i>Germain</i> MAMMOTH TOURS PUMPKIN. This pumpkin should be called the Prizetaker on account of its immense size, fine color and thick flesh. It is not only a fine stock food, but its rich flavor makes it valuable for canning or home use. It is a rapid grower and often attains a weight of 150 pounds.	10	20	50	1 50
<i>Germain</i> SWEET OR EARLY SUGAR. This is the small, sweet pumpkin that has made the New England States famous for their pumpkin pies. Fine-grained.	10	20	50	1 50

RHUBARB OR PIE PLANT

Be sure to see our Back Cover and also Page Four

Rulbarbo

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 ¼ 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.

RHUBARB ROOTS, see page 128

Germain RECOMMENDS

WAGNER'S GIANT SEEDLING RHUBARB



It is grown from the seed of the famous Giant Rhubarb. Our seed was secured from Mr. J. B. Wagner, the originator and most prominent Rhubarb expert in the world, and is the best that can be gotten. Wagner's Seedling will yield as high as 20 tons per acre, is a strong rapid grower, and very much more productive than the Crimson Winter. It comes on soon after planting, and unless the ground is frozen it keeps on growing constantly. The stems are twice as large as the Crimson Winter, are hardy in any climate, and will grow and yield handsome returns where the common Crimson variety will be a failure. It is unsurpassed either in flavor, texture, size, or hardiness. Germain strongly recommends this variety as the most profitable that can be grown, and is proving itself a tremendous money maker. Price, packet 10 cents, ounce \$1.80, ¼ pound \$6.00, pound \$18.00.

We especially call your attention to the roots of Rhubarb, a description and prices of which will be found on pages 4 and 108.

RADISHES

Note—Prices listed are postpaid.

Rabano

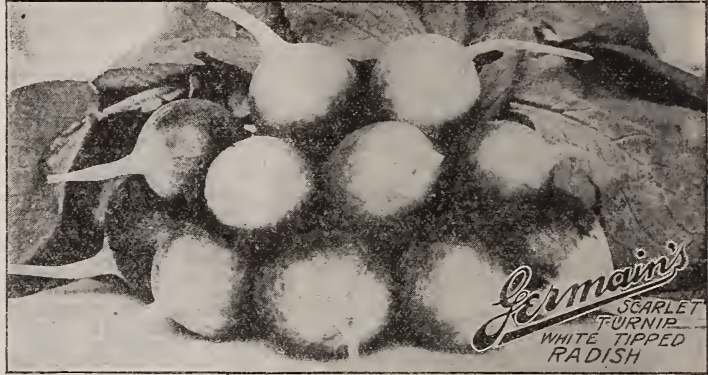
Radies

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 crops 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 ft.



FRENCH BREAKFAST RADISH



Germain's
SCARLET TURNIP
WHITE TIPPED RADISH



Germain's
WHITE ICICLE RADISH

ROSELLE

Note—Prices listed are postpaid.

The plants grow from 3 to 6 feet high and bear an abundance of handsome flowers, followed by fruit enclosed in a thick, fleshy calyx from which is made an excellently resembling, but an improvement upon, that made by the black currant; 10 cents a packet, 75 cents per ounce; ¼ pound \$2.50; 1 pound \$7.50.

	Pkt	Oz.	¼ lb	1 lb
BLACK SPANISH WINTER, LONG. Grows to a large size, of oblong shape; quite solid.	10	20	50	1 50
<i>Germain</i> BLACK SPANISH WINTER, ROUND. Similar to the long, except in form.	10	20	50	1 50
<i>Germain</i> CALIFORNIA MAMMOTH WHITE. A winter sort introduced into California by the Chinese; eight to twelve inches long and two inches in diameter, flesh white, firm and excellent flavor.	10	20	55	1 75
CHARTIER. A long, smooth radish, red above and shading to clear white at the tip.	10	20	50	1 50
<i>Germain</i> CHINA ROSE WINTER. Medium size, oblong, of a bright rose color; one of the best varieties for winter use.	10	20	50	1 50
CRIMSON GIANT TURNIP. Twice as large as any other turnip-shape variety; does not get hollow or pithy; flesh white, solid, crisp and mild flavor. Excellent for forcing in open ground.	10	20	50	1 50
<i>Germain</i> EARLY LONG SCARLET SHORT TOP. Without exception the best long bright scarlet radish, very brittle and sweet, matures in twenty-five to thirty days. Very attractive and adapted to the home or market garden.	10	20	50	1 50
EPICURE. See specialty page 15.				
<i>Germain</i> FRENCH BREAKFAST. An early variety with good flavor and very pretty, being a light scarlet tipped with white. A favorite wherever known.	10	20	50	1 50
JAPANESE SUMMER RADISH. Introduced by Japanese in Southern California some years ago, and has become a great favorite. Grows as long as twenty-four inches and three inches in diameter; very tender, mild and of excellent flavor; always finds a ready market.	10	25	85	2 50
<i>Germain</i> LONG WHITE ICICLE. A very popular long white radish. Very sweet, crisp, and tender all through its growth and reaching a length of six inches.	10	20	60	1 75
MIXED RADISHES. Supply a nice assortment for the table; of all colors and sizes.	10	20	50	1 50
MODEL WHITE BOX. A very early round white radish, crisp and sweet.	10	20	50	1 50
<i>Germain</i> SCARLET TURNIP. The little red turnip shaped radish every one asks for, crisp, tender and of fine flavor. Very quick growing. Tests at our Trial Fields show that our stock of seed of this variety is very fine.	10	20	50	1 50
SCARLET GLOBE. Very early; a little longer than round; small top; color, brilliant deep scarlet.	10	20	50	1 50
SCARLET, OLIVE-SHAPED. Oval; very early and handsome; flesh rose-colored, tender and brittle.	10	20	50	1 50
<i>Germain</i> SCARLET TURNIP WHITE-TIPPED. Turnip shaped, attractive in color, being scarlet and white. It is very quick to mature, being ready for table in twenty days. Excellent flavor a great favorite with market or home gardeners.	10	20	50	1 50
WHITE STRASBURG. One of the best large white radishes. In good condition to use when quite small and also when it attains full growth, when it measures from four to six inches in length and up to two inches in diameter.	10	20	50	1 50

SALSIFY OR VEGETABLE OYSTER

Note—Prices listed are postpaid.

	Pkt	Oz.	¼ lb	1 lb
Salsifi Blanco <i>Halerwuzel</i> Salsifis Blanc				
CULTURE —Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches apart in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.				
<i>Germain</i> SANDWICH ISLAND SALSIFY. An improved type and the largest and most delicious salsify in cultivation, with long white tapering roots. It is growing to favor rapidly with all who plant it, as it brings a large price in the market.	10	30	90	2 75

SQUASHES

■ Note—Prices listed are postpaid.

Calabasa Kuerbiss Courge

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.



GERMAIN'S SEEDS ERMINATED

HUBBARD SQUASH

SUMMER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
EARLY GOLDEN BUSH SCALLOPED. Similar in shape to the white.....	10	\$ 20	\$ 45	\$ 1 25
<i>Germain</i> EARLY WHITE BUSH SCALLOPED. An early variety, well-flavored, productive; excellent for market	10	20	45	1 25
ITALIAN OR ZUCCHINI SQUASH is a bush variety and should be planted five feet apart. It should be used when quite young. When stewed it has a rich, creamy flavor not equalled by another squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor and it is much more prolific. See Page 18.....	10	25	85	2 50
LONG WHITE VEGETABLE MARROW. An English variety of delicious flavor.....	10	20	60	1 75
SUMMER CROOK-NECK. This is the richest summer squash; very early and productive.....	10	20	50	1 50

WINTER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
BANANA SQUASH. Firm and solid flesh, good quality. See Page 18.....	10	25	85	52 50
ESSEX HYBRID. An early and rapid growing variety, with thick, rich colored solid flesh, and one of the best keepers.....	10	20	50	1 50
FORDHOOK. One of the best of the late summer varieties, and will keep till the following May if stored in a cool dry place. Thick skin of a bright yellow color, heavy meat that can be used at any stage of growth.....	10	20	60	1 75
<i>Germain</i> 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 luscious as a sweet potato. We have spent a great deal of time and attention in selecting our stock and confidently recommend it.....	10	20	50	1 50
<i>Germain</i> PIKES PEAK or SIBLEY. A new, old variety that deserves all the good things that are said about it. It is preferred to any other by those who know it. Similar to the Hubbard, but a great improvement on it.....	10	20	50	1 50
RED OR GOLDEN HUBBARD. Similar to the Green Hubbard, except in color, which is a bright deep orange. Flesh deep, golden yellow, fine grained, cooks dry, and is of excellent flavor.....	10	20	65	2 00

SORREL

■ Note—Prices listed are postpaid.

Acedera Sauerampfer Oseille

CULTURE—Sow any time in deep, moist soil, even sour soils are preferable to what is considered good garden loam. Used same as spinach.

<i>Germain</i> LARGE-LEAVED FRENCH. Used for salads, and highly recommended when cooked like spinach.....	Pkt	Oz.	¼ lb	1 lb
	10	25	85	2 50

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.

	Pkt	Oz.	¼ lb	1 lb
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.....	10	20	25	75

Germain **LONG STANDING.** Leaves large, thick and crimped with a fleshy appearance. Hardy and adapted to either fall or spring sowing. Slow to seed, hence the name.....

NEW ZEALAND. Abundant producer throughout the summer; transplant three feet apart each way.....

Germain **PRICKLY OR FALL, BROADLEAF.** A splendid fall or winter sort, also does well planted in the spring. Quick growing with large dark green leaves.....

ROUND or SUMMER. A very hardy round, thick leaved variety adapted to early spring sowing. Matures quickly, very tender and fine flavored.....

VIROFLAY. A hardy variety, popular with both canner, shipper and consumer because of the large yield, large smooth leaves, tender quality and mild flavor.....



Germain's
NEW ZEALAND
SPINACH -

TOMATOES

Note—Prices listed are postpaid.
 Tomato Liebessapfel 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. **PLANTS**, see page 108.



GERMAIN'S FIRST EARLY TOMATO

The early tomato is the one that gets the big money, but earliness alone does not do it. Quality, including size, smoothness, firmness, flavor and coloring, are all considered; and tomatoes of this type find a ready market even when prices are highest. Germain's First Early Tomato embodies all these requirements and has found a warm spot in the energetic and prosperous growers' heart. For home gardening it is equally as valuable, for it requires no more care than other varieties and comes into maturity earlier. Running strong to foliage, it affords the fruit more protection than any other variety. Hence it is as hardy a tomato as can be found.



	Pkt	Oz.	1/4 lb	1 lb
color glossy crimson with a purplish tinge.....	10	40	1 35	4 00
<i>Germain's</i> BEEFSTEAK. This variety has been exceedingly popular with our customers and our sales have been enormous. It is one of the best, if not the best tomato grown. It is very prolific and its growth is a marvel. For the home garden it cannot be surpassed. Of a bright red color, with very firm, substantial meat and luscious flavor. We take pleasure in again presenting this favorite to our customers.	10	70	2 35	7 00
BONNY BEST. An extra early, scarlet, round fruited variety of great value. The fruit is very even in size and shape.....	10	40	1 35	4 00
<i>Germain's</i> CHALK'S EARLY JEWEL. Nearly as early as Earliana. Fruits are large and of fine flavor.....	10	40	1 35	4 00
DWARF CHAMPION. An early and distinct variety, medium in size; plant of dwarf and compact growth.....	10	40	1 35	4 00
DWARF STONE. The vines are dwarf, vigorous and productive. A rather late maturing variety, the fruit being of a bright red color, very smooth and solid. A good variety for the home garden.....	10	40	1 35	4 00
GERMAIN'S GLOBE. A very nearly round tomato of good quality. Vigorous and productive vines, large, purplish pink in color; an excellent shipper. Early maturing.....	10	45	1 50	4 50
<i>Germain's</i> GERMAIN'S WINTER QUEEN. See page 19.....	10	50	1 65	5 00
GRAPE OR RED CURRANT. A small red tomato about the size of a small grape. Useful for ornamental vine, for preserving, and for table decoration.	10	40	1 35	4 00
LIVINGSTON'S FAVORITE. Beautiful shape, smooth and a good bearer; ripens evenly.....	10	40	1 35	4 00
<i>Germain's</i> GERMAIN'S NEW STONE. See specialty page 19.	10	40	1 35	4 00
PONDEROSA. Grows to enormous size, sometimes weighing from two to three pounds each; very smooth and solid.	10	70	2 35	7 00
SAN JOSE CANNER. A fine tomato used for canning purposes in the North, and we recommend it also for the same purpose locally. It is also a good Market Garden tomato to be planted for the main crop. It should be planted at the same time as the Stone variety.....	10	75	2 50	7 50
<i>Germain's</i> SPARK'S EARLIANA. Early and prolific; very solid and noted as a good shipper.....	10	40	1 35	4 00
STRAWBERRY OR GROUND CHERRY. A distinct species; grows enclosed in a husk; excellent for preserves.....	10	75	2 50	7 50
YELLOW PEACH. Beautiful clear yellow color, for eating and preserving.....	10	75	2 50	7 50
YELLOW PLUM. Fruit plum-shaped, of clear, deep yellow color. Flesh yellow, used for preserving.....	10	75	2 50	7 50
YELLOW PEAR. A small early variety good for preserves.....	10	75	2 50	7 50

TURNIPS

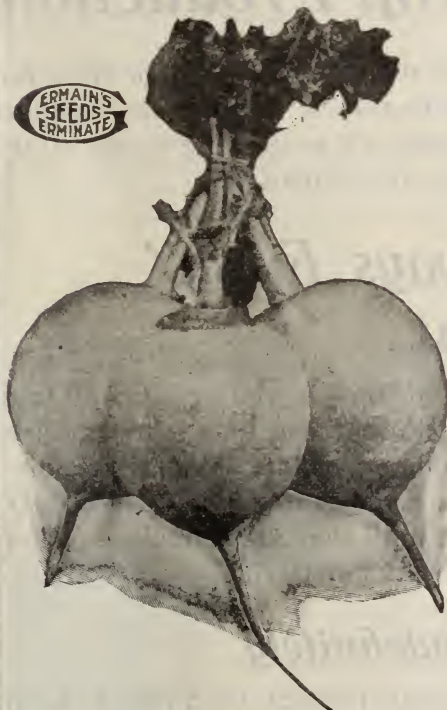
Note—Prices listed are postpaid.

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.



SNOWBALL TURNIP

Germain **RECOMMENDS**
EXTRA EARLY PURPLETOP MILAN TURNIP

This choice variety is not only a beautiful and unusually delicious vegetable, but pleases the grower by maturing a week earlier than the earliest of other sorts. It is of medium size, flat and thick, with a smooth, bright purple top, snow white flesh, and little given to leaves. It accommodates itself to either spring or fall maturity, and is a delight to those who appreciate the food value and fine flavor of a good turnip. A heavy cropper, it deserves the greatest favor from the market gardener, and is surely a top notcher for the home garden. Pkt. 10 cents; ounce, 25 cents; one-fourth pound, 85 cents; one pound, \$2.00.

	Pkt	Oz.	¼ lb	1 lb
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.	10	\$ 20	\$ 40	\$ 1 25
EARLY PURPLE-TOP MILAN. See Specialty above.				
EARLY WHITE EGG. An egg-shaped variety for spring and fall sowing; flesh firm, fine-grained, mild and sweet.	10	20	40	1 25
<i>Germain</i> EARLY WHITE FLAT DUTCH. White flesh, medium size, quick growth.	10	20	40	1 25
<i>Germain</i> RED TOP WHITE GLOBE. One of the handsomest and most salable turnips. Equally good for home or market. It is a large, rapid growing sort, flesh pure white and the best flavor of any turnip grown. The skin is white with red top. We have taken great care with this stock, and offer it with confidence that our friends will be fully satisfied.	10	20	35	1 60
GOLDEN BALL. Round, smooth English turnip of fine quality; yellow; good keeper.	10	20	40	1 25
PURPLE-TOP STRAP-LEAF. Very productive, matures quickly; flesh white and sweet.	10	20	40	1 25
<i>Germain</i> EARLY SNOWBALL. Some people may think that a turnip is a turnip, not realizing the great difference between the average stringy, pulpy vegetable and the sweet, mellow, crisp possibilities that have been achieved in the perfection of the Snowball. It was first introduced into this section by us several years ago, and our supply of seed this season is so unusually fine that we are strongly recommending it. Germain's Snowball will respond to any reasonable desire for early maturity; grows even in size and is most completely described by its name—pure white and round as a ball.	10	20	40	1 25
WHITE GLOBE POMERANIAN. A large round turnip, very sweet flesh, similar to Red Top White Globe, but pure white in color.	10	20	40	1 25

RUTABAGAS

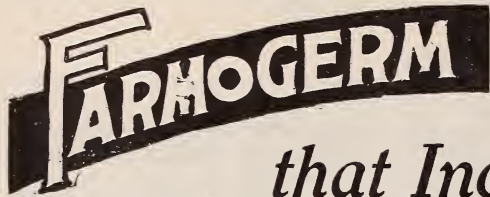


RUTABAGA OR SWEDISH TURNIP

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.

Germain **IMPROVED YELLOW PURPLE-TOP.** The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet. Pkt. 10 cents, ounce 20 cents, ¼ pound 45 cents, 1 pound \$1.25.



A Seed Inoculant

that Increases Crop Production

Seeds of all legumes—beans, peas, clover, alfalfa, and related crops—will produce far better if inoculated with **Farmogerm**. In addition to the increased crops, these legumes leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Gardeners and farmers who have used **Farmogerm** would not be without it.

Farmogerm is the "Always Fresh" Seed Inoculant

Because of the method of sealing the bottle—a patented stopper which admits filtered air and keeps out all impurities—**Farmogerm** is just as good in three or four years as when first bottled. The bacteria in **Farmogerm** and other inoculants of like character are living organisms, feeding on nitrogen in the air—without air, they cannot live. If tightly sealed, the bacteria gradually become weaker and weaker until they are worthless. That is why many inoculants have to be replaced before they are six months old.

Farmogerm Stays Good Indefinitely

Farmogerm keeps for years and years. Enough air seeps through the plugs to keep the bacteria in good health, yet all impurities are excluded. Other inoculants get weaker each day—**Farmogerm** always has its full strength. Just add water and shake the bottle and sprinkle over seeds as directed. Your crop will benefit beyond your expectations.

No other inoculant on the market is so strong and virile; no other inoculant will thoroughly inoculate as much seed. The one-acre size bottle of **Farmogerm** is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada field peas, 60 pounds of vetch, etc. A different culture is required for each crop. **Be sure to state what crops you wish to inoculate.**

Farmogerm Prices Reduced

New scientific methods of manufacture have given lower prices. You cannot now afford to do without **Farmogerm**.

A special composite culture is prepared for peas, beans, and sweet peas, 1/4-acre size only. You'll get more peas and beans, and larger sweet peas by using this. Ask for No. 5, price 50 cts.

Farmogerm prices are: 1-acre size, \$1; 3-acre size, \$2.50; 12-acre size, \$9. Full directions accompany each bottle.

SILOS, SILAGE AND ENSILAGE CORN

EUREKA ENSILAGE

Eureka Ensilage corn is without a doubt the heaviest yielding ensilage corn adapted to California climatic conditions. It grows to an average height of 14 feet, has very leafy stocks bearing one to three ears to the stock, 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 for this season is of exceptionally fine quality and selected for size uniformity for both ear and kernel.

Price per pound 30 cents, 10 pounds \$2.50, 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 pound 30 cents, 10 pounds \$2.50, postpaid. Write for quantity prices.

BIG JIM CORN

An excellent ensilage corn. For description and prices, see page forty-eight.

GROWING CORN FOR THE SILO

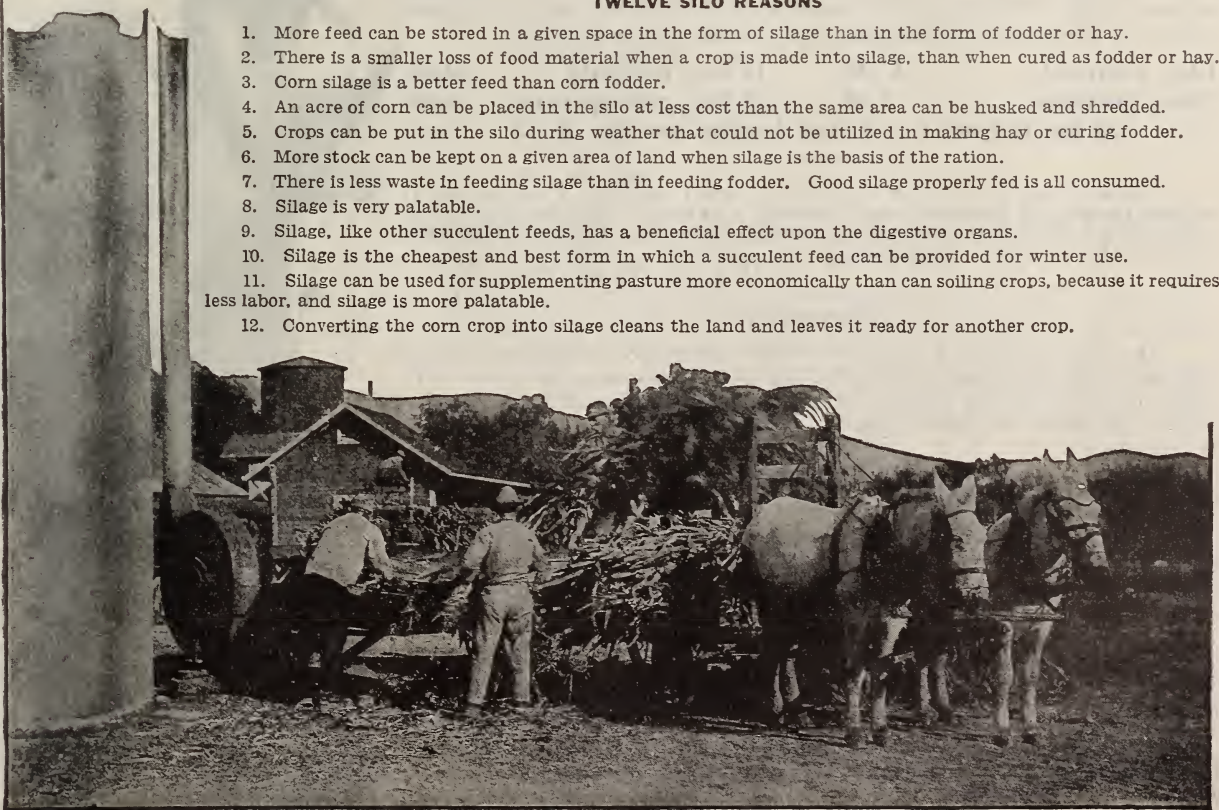
CULTURE. Generally speaking the seed should be sown in drills $3\frac{1}{2}$ feet apart using 15 to 30 pounds of seed per acre, the amount planted depending upon the purpose for which the silage is to be used.

Whenever less grain and more bulk is desired, more seed may be planted to the acre, giving a greater amount of leaf and stalk but less ear corn. For fattening beef cattle the opposite is true: the more ears produced the greater the fattening properties, and for that reason less seed should be sown per acre, giving it a better opportunity to mature. In either case the tonnage per acre will be the same. In the one case there will be more leaf and stalk and less ears and in the other instance the opposite, less stalk and leaf but more grain.

Also, by the use of these varieties, if the grower wishes, it may be cut at an early stage of its growth and used as fodder. Later it may be put in the silo in any desired stage and if the season promises to be long enough it may be allowed to ripen for corn if this be decided upon.

TWELVE SILO REASONS

1. More feed can be stored in a given space in the form of silage than in the form of fodder or hay.
2. There is a smaller loss of food material when a crop is made into silage, than when cured as fodder or hay.
3. Corn silage is a better feed than corn fodder.
4. An acre of corn can be placed in the silo at less cost than the same area can be husked and shredded.
5. Crops can be put in the silo during weather that could not be utilized in making hay or curing fodder.
6. More stock can be kept on a given area of land when silage is the basis of the ration.
7. There is less waste in feeding silage than in feeding fodder. Good silage properly fed is all consumed.
8. Silage is very palatable.
9. Silage, like other succulent feeds, has a beneficial effect upon the digestive organs.
10. Silage is the cheapest and best form in which a succulent feed can be provided for winter use.
11. Silage can be used for supplementing pasture more economically than can soiling crops, because it requires less labor, and silage is more palatable.
12. Converting the corn crop into silage cleans the land and leaves it ready for another crop.



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 outyielded 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 the improving of 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 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. Every sack of Germain's Big Jim Corn, whether purchased direct from us or through one of our dealers, will have a red certificate of quality attached. None is genuine without this tag. 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	\$.35	10 lbs., postpaid	\$2.50
5 lbs., postpaid	1.50	25 lbs., postage extra . . .	4.00
50 lbs. or over, f. o. b. Los Angeles, per lb. . \$.15			

Sept. 16, 1921

I'll have to hand it to you for Big Jim Corn, best I ever saw. I stand 6 feet, 1 inch and I can't reach the top of some of the stalks with a shovel held at null length, I sold roasting ears until I wondered where they came from. Got 40 cents a dozen and still have a fair crop left. Boost it along.

R. M. PYLE, Box 263, Wasco, Calif.

CONTESTS

We feel that Big Jim Corn has been permanently established. Our purpose in offering prizes on Big Jim has been to promote the growth of better varieties of corn in California. When something new and worth while is produced we will be glad to create interest in it as much as is in our power.

The silver loving cup offered in 1920 was won by Mr. W. J. Eberhardt, Bakersfield, Calif.

The following are the prize winners in 1921:—

- 1st prize . . \$100.00 . . Allyn Rice, R. No. 3, Box 24, Santa Ana, Calif.
- 2nd " 50.00 . . M. Short, R. No. 2, Box 261, Burbank, Calif.
- 3rd " 25.00 . . D. Riggs, R. No. 86, Box 264, Los Angeles, Calif.
- 4th " 10.00 . . Fred Arzt, 7113 Miramonte Blvd., Los Angeles, Cal.
- 5th " 5.00 . . John Beitler, Casa Verdugo, Calif.
- 6th " 5.00 . . D. R. Helman, R. No. 1, Box 403, Gardena, Calif.
- 7th " 5.00 . . M. H. Burke, R. No. 2, Box 68, Compton, Calif.

The judging in the 1921 contest was done by Mr. H. A. Miller, Los Angeles Chamber of Commerce and Mr. J. Rasmussen, Fresno Chamber of Commerce.



CORN

WRITE US FOR QUANTITY PRICES ON FIELD SEEDS. ALL PRICES MENTIONED ON THIS PAGE ARE POSTPAID

Note—Prices on half pound and pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per lb. 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 cover page. **If quantities are desired, do not fail to write for samples and special prices, as all field seeds are subject to market fluctuations.**

FIELD CORN OTHERS SUCCEED, SO CAN YOU

Corn is more extensively grown in the United States than any other grain, the acreage being about double and the product four times greater than wheat.

California ships in more corn than it produces, thousands of cars are shipped in to us from the middle west every year. Why send your money East for this product when it can be grown so successfully here?

CULTURE. Good crops can be obtained on a variety of soils varying from the lighter sandy loams to heavy clay. When a choice can be had a warm, porous, well drained loam should be chosen.

Thin soil should be plowed shallow. On good soils depth of plowing seems to have little influence on the crop, plowing 5 to 7 inches deep is usual and is recommended.

Sub-soiling for corn is not a profitable practice. Corn should be cultivated about once every week or ten days, especially after every rain or irrigation. Begin soon after the seed is sown and continue to cultivate until the stalks are nearly as high as a man's head. The essential thing in corn cultivation is to keep the ground free from weeds and covered with a soil mulch. Remember that shallow cultivation should be practiced.

The time of planting corn, with us, should be immediately after danger of frost is over and the earlier thereafter the better.

From 2 to 3 inches is considered the best depth to plant corn. It should be planted in rows 3 to 4 feet apart with the seed from 9 to 16 inches apart in the rows depending on the variety.

CORN—FIELD

CHAMPION WHITE PEARL. This stalk is short and thick. The ear grows low on the stalk, from seven to twelve inches in length, almost parallel throughout, of medium size, averaging sixteen rows of grain. 1 pound 25 cents, 10 pounds \$2.00.

EARLY MASTODON. The largest yellow corn grown with the exception of Big Jim Corn. It has been known to yield over 200 bushels to the acre. The ears are even in size, cob small, with deep yellow grains. A vigorous grower and sure to give satisfaction; 1 pound 25 cents, 10 pounds \$2.00.

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; 1 pound 25 cents, 10 pounds \$2.00.

IMPROVED LEAMING CORN, Yellow. 1 pound 25 cents, 10 pounds \$2.00.

IOWA GOLD MINE, Yellow. 1 pound 25 cents; 10 pounds \$2.00.

IOWA SILVER MINE, White. 1 pound 25 cents, 10 pounds \$2.00.

KING OF THE EARLIES. This is one of the very earliest of the Yellow Dent varieties. It is a good yielder but not to be compared with Big Jim Corn. 1 pound 25 cents; 10 pounds \$2.00.

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 pound 25 cents, 10 pounds \$2.00.

MEXICAN JUNE CORN, White. Very early and hardy, stalks grow to an average height of 7 or 8 feet and produces 30 to 60 bushels of corn per acre. This corn is also used for roasting purposes in many sections of California. 1 pound 30 cents, 10 pounds \$2.50.

WISCONSIN WHITE DENT; 1 pound 25 cents, 10 pounds \$2.00.

CORN—POP

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. About six feet high, and yield three or four ears to the stalk; 1 pound 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; 1 pound 30 cents, 10 pounds \$2.50.

Catalogue price subject to change without notice.

SORGHUMS, SACCHARINES AND NON-SACCHARINES

WRITE US FOR QUANTITY PRICES AND SAMPLES OF FIELD SEEDS

EARLY AMBER. Furnishes a large yield of most nutritive forage, which can be fed either green or cured and will yield two or three cuttings a year, stooing 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 pound 25 cents, 10 pounds \$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, 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 they are grown. When the crop is to be used for fodder or silage, it is usually planted in rows 3 to 3 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 pound 25 cents, 10 lbs. \$2.00, postpaid.

SILVER TIP. Some manufacturers of Sorghum syrup prefer this variety to others for this purpose. On account of the fact that it is later in maturing than other varieties it is only possible to use the first cutting for syrup. However, succeeding cuttings can be used for pasturage or ensilage. Per lb. 25c, 10 lbs. \$2.00, postpaid.

DWARF MILO MAIZE. See page 50.

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. The picture at the top of this page is that of 100 acres of Egyptian Corn from which our seed was selected this season. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Per pound 25 cents, 10 pounds \$2.00, postpaid.

FETERITA. This sorghum was recently secured from Sudan, where it is commonly grown under the name 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 8 pounds to the acre. Per pound 25 cents, 10 pounds \$2.00, postpaid.

SHALLU OR EGYPTIAN WHEAT. Is one of the most drought resisting grain crops known. Especially suited to dry land farming operations and localities where the normal rainfall is limited. Under irrigated conditions it grows to best advantage. The grain is claimed to possess all the feeding values of wheat, and is especially valuable as a feed for hogs, chickens and cattle. Pound 25 cents, 10 pounds \$2.00, postpaid.

KAFFIR, WHITE. 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 breaks up new ground for other crops. Cattle relish the stalks, while the grain is a very valuable food for poultry. Pound 25 cents, 10 pounds \$2.00, postpaid.

HAGARI. This is one of the most recent introductions. Some 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. Per pound 25 cents, 10 pounds \$2.00, postpaid.

SUDAN GRASS. See page 51.

GERMAIN'S FANCY DWARF MILO MAIZE

HAND SELECTED

The greatest improvement in Milo Maize in years. Germain's select strain of Fancy Dwarf Milo. An entirely different type, never attaining a height of more than three ft., the stalks being one mass of leaves overlapping each other, and outyielding the ordinary Dwarf Milo 2 to 1.

This wonderful strain of Dwarf Milo originated in the Salt River Valley of Arizona. It has been grown in the Imperial Valley for the past two seasons, where it has outyielded every other grain sorghum. It is also drought resisting to the last degree. According to statistics the average yield of Dwarf Milo Maize in the Imperial Valley is one-half ton per acre. Germain's Fancy Dwarf Milo last season gave an average yield of from 1¾ to 2 tons of grain per acre. The stalks never grow more than 3 ft. high. The plant is one mass of leaves which overlap one another. In fact, the stalk can scarcely be seen at all. This is an important point, for after the grain is harvested cattle will eat every bit of the plant down to the roots. This strain of Milo is very easy to harvest, the heads standing at a uniform height from the ground.

Our seed stock this year has been grown in both the San Joaquin and Imperial Valleys, thus enabling our customers to obtain seed acclimated in both sections. The fields from which our seed were selected from this season were hand thinned, only the largest heads being allowed to remain on each stalk. This insures only the very choicest seed.

Fancy Dwarf Milo can be grown successfully either under irrigation or under the dry farming method. When the dry farming method is followed it can be grown with as little as 6 inches of rainfall, providing the same is properly conserved during the winter months. It is generally planted in rows, 3 ft. apart and the stalks thinned to stand 6 to 12 inches apart in the row, depending on whether irrigated or dry farmed, and also upon the nature of the soil.



READ WHAT ONE OF OUR CUSTOMERS SAYS ABOUT IT

Germain's Fancy Dwarf Milo Maize has been more than satisfactory. It has the advantage over tall milo maize in many ways. It does not take so much plant food out of the soil and it does not take so much water. It yields just as much if not more. I will make two tons to the acre with two irrigations and I have some land that is level that will make three tons per acre.

This corn can be picked for one-third less per acre than the tall milo as it never falls down like the other. My corn is 2½ to 3 feet tall. The stalks can be plowed under without having to chop them up.

R. M. TIBBETTS, Box 264, Wasco, Calif.

Price: 1 lb. \$.25 postpaid
 10 lb. 2.00 "
 25 lb. 3.00 "

50 lb. \$4.25 Express or postage extra.
 100 lb. 8.00 per cwt. Express or postage extra.

SUDAN GRASS—THE WONDER CROP

The Crop That Has Stood the Test of Time

WRITE FOR QUANTITY PRICES

No introduction in some years has had the marvelous success that has been attained by Sudan Grass. In 1915 when it first came into notice, we sold seed on the basis of \$2.50 per pound. Since then its popularity has increased by leaps and bounds until today it ranks next to alfalfa as a forage crop in this state.

Write for special pamphlet on Sudan Grass.

Price $\frac{1}{2}$ pound 20 cents, one pound 30 cents, 10 pounds \$2.50, postpaid. Write for price in larger quantities.



The farmer who has never grown Sudan Grass can hardly appreciate the merits of this wonderful crop. It is being heralded from the western to the eastern, and from the northern to the southern boundaries of the United States as the most drought resisting annual ever introduced.

Sudan Grass has long passed the experimental state. It has come to stay. It is of special value in the arid and semi-arid sections of California. It grows in a wide range of soils from sand to clay and produces from four to six cuttings of highly nutritious hay where other crops would be a failure, and as a pasture crop it is unequaled.

The photograph shows Mr. Waite, Horticultural Commissioner of Imperial County, standing between two stalks of our Imperial Valley grown Sudan Grass. The height of growth can be gauged by comparison with his figure and also by noting stalks as compared with height of automobile at the right.

ALFALFA (Lucerne)

ALL PRICES ON THIS PAGE POSTPAID

WRITE FOR QUANTITY PRICES

Write our alfalfa and field seed expert for any information on the seeds listed on this page. He is at all times ready and anxious to answer your questions. We have also some pamphlets on alfalfa and other crops which are of decided help. Write for them. They are free.

GERMAIN'S PROVEN HAIRY PERUVIAN ALFALFA*Sold only in sealed bags—none genuine without seal*

PRODUCE 2½ TONS MORE HAY TO THE ACRE

This wonderful variety of alfalfa is rapidly taking the place of all other varieties in the States of California, Arizona, Nevada, Oregon and Washington. This is the plant that has created a big sensation among alfalfa growers. *Germain's Proven Hairy Peruvian Alfalfa* is the hardiest type ever introduced here successfully and has the longest producing season. It produces a greater abundance of leaves than any other variety, thus creating the highest feeding value. Results obtained by practical ranchers show an average increase of 2½ tons of hay per acre per season over common varieties. After each cutting it recovers very quickly, giving additional cuttings per season over other varieties. We successfully introduced this seed in this section—and we stand solidly back of it. All our seed is sold in sealed bags and stenciled with the name *Germain's Proven Hairy Peruvian Alfalfa*—and in order to insure perfect results we advise you to buy only the proven *Germain* variety.

Prices, per lb. 50c, 10 lbs. \$1.50, postpaid. Write for quantity prices.

SMOOTH PERUVIAN ALFALFA

This variety of alfalfa is next to Hairy Peruvian in production and quality. Our stock of this seed is also especially selected, re-cleaned and of the highest quality. Per lb., 50c; 10 lb. lots, \$4.50, postpaid. Write for quantity prices.

CHILIAN ALFALFA

This is the old type of alfalfa seed used extensively before the introduction of the Hairy, Peruvian. We furnish only re-cleaned seed of high germination properties and can assure you that it is the best on the market. As it leaves our plant after being re-cleaned several times, you will find it free from foreign matter, and of high quality. Prices per pound 40c, 10 pounds \$3.50, postpaid. Write for quantity prices.

CLOVER SEEDS

(QUANTITY PRICES AND SAMPLES ON REQUEST)

HUBAM CLOVER

We have obtained a very limited supply of this new Annual White Blossom Sweet Clover. We believe the discovery of this plant is to be a great factor in the improvement of our soils. It was discovered in 1916 by H. D. Hughes of the Iowa State College and since that time has made wonderful strides. We are as yet not prepared to say that it will supplant other forage and cover crops used in California. But we do feel that the discovery is important enough to warrant experimental work being done in this section. Hubam is a very heavy yielding, very drought resistant, and furnishes a good quality crop for hay or cover crop purposes.

Three pounds of seed will plant an acre of land and give maximum returns. In 1916 at the Iowa Experiment Station, Hubam made the remarkable growth of 4½ feet in 3½ months from seeding, while in 1920 the clover grew 9 feet in the same period. Its drought resistant qualities are remarkable. In one instance, without irrigation and with less than one inch of rainfall after seeding, it grew to a height of 7 feet. Hubam is a very heavy seed yielding also, producing as high as ten bushels per acre.

Price per pound, \$2.50; 10 lb. lots, \$2.25 per lb. Postpaid.

INCREASE YOUR TONNAGE. Expense, time and labor is the same whether your crop be large or small. At a cost of only \$1.00 per acre you can get a fifty per cent. larger tonnage (in clover crops) by inoculating your seed, which we strongly advise. For particulars, see page 46.

ALSIKE (*Trifolium hybridum*). Very hardy, resisting cold and drought and is also well adapted for sowing on cold wet land. It yields a large amount of hay or pasture and makes a good beef plant; 60 cents per pound, 10 lbs. \$5.00, postpaid.

BURR CLOVER. Strongly resembling alfalfa. It is a great nitrogen-gatherer. Orchardists regard it with great favor as a green fertilizer, thriving in shady places where peas fail. Hulled, solid seed, free from burr. Fifteen pounds per acre. Per lb. 50 cents, 10 lbs. \$4.50.

ITALIAN CRIMSON, OR SCARLET (*Trifolium incarnatum*). Used chiefly as a soil improver; 45 cents per pound 10 lbs. \$4.00, postpaid.

MELILOTUS ALBA

Melilotus Alba Clover 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* Clover 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. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for the bees and the plant itself furnishes excellent pasturage for all kinds of live stock. 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, reseeding 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 seeds 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.

JAPANESE *Lespedeza striata*). Makes a fine pasture plant for barren land, where it will grow eighteen inches high; on good soil it grows thirty inches. Stock of all kinds relish it. 70 cents per pound, 10 pounds \$6.50, postpaid.

MAMMOTH RED, OR COW GRASS (*Trifolium pratense* perenne). Very vigorous growth. 60 cents per pound, 10 pounds \$5.00, postpaid.

MELILOTUS INDICA (Sweet Clover). See page 53.

RED CLOVER (*Trifolium pratense*). Should be in all pasture mixtures; per lb. 60 cents, 10 lbs. \$5.00, postpaid.

WHITE CLOVER (*Trifolium repens*). See page 2. Pound \$1.00, 10 pounds \$9.00, postpaid.

COVER CROP OR SOIL RENOVATORS

WRITE FOR QUANTITY PRICES

Note.—Prices on half pound and 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 inside cover page.

CANADIAN PEAS

This small round smooth yellow Pea is generally grown for cover crop purposes in this section. Per lb 25 cents, 10 lbs. \$2.00.

WHIPPOWILL COW PEAS

Cow Peas are becoming more popular as the years come around. We predicted sometime ago that California would become a great user of Cow Peas and the time is now coming for this prediction to come true. The planting of Cow Peas for a Summer or early Spring cover crop is going to become more popular every year, and this variety is the best adapted for that purpose. The vines are large and spreading and if planted correctly will cover the entire ground of the orchard, which is so much desired by the orchardists.

This variety is especially recommended for its quick growing habits and therefore, is an ideal variety as a cover crop to counteract the June drought. Per pound 25 cents, 10 lbs. \$2.00.

MAMMOTH YELLOW SOY BEANS

This is another variety of early Spring or Summer cover crop seed which is also quite popular. They do not cover the ground as well as the Whippowill 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 has been inferior seed. We are offering this year the Mammoth Yellow Soy Bean which is far superior to all other varieties and will run true. 25 cents per pound, 10 lbs. \$2.00.

BLACKEYE BEANS (See page 54)

VELVET BEANS

This is a very popular variety of a soil renovator in the South. It is bound to become a favorite here. It should be planted the same as any variety of Cow Pea. 25 cents per pound, 10 lbs. \$2.00.

SESBANIA (Native Hemp)

This is a native legume, growing wild in the Colorado River basin. It is an ideal cover crop for the hot sections of our desert land. The seed is difficult to gather, which is the reason for its high price.

We have known crops of Onions greatly benefited by this cover crop being planted immediately after last crop of onions were harvested, and we especially recommend it for Riverside County and Imperial Valley. Per pound 30 cents, 10 lbs. \$2.50.

RYE (See page 55)

BARLEY (See page 55)

GRASSES

The following varieties of Grass Seeds are those used in this section of the country. However, there are, from time to time various new varieties, and also there is a desire by many of our customers to try out new sorts. If you do not find listed herein the variety you are especially interested in and you desire information concerning some unlisted varieties, write us, and we will be glad to give you what information we have on it, and if you desire the seed, we will obtain it for you. We have experts with us who understand Grass Seeds and we are, therefore, in a position to advise with you.

BERMUDA GRASS (Cynodon Dactylon). Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow six pounds per acre. Pound 75 cents, 10 lbs. \$6.50.

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 2.

CRESTED DOGS TAIL (Cynosurus Cristatus). A perennial grass with short, narrow leaves; valuable for lawns or pastures on dry, light land. Pound 75 cents.

CREeping BENT GRASS (Agrostis Stolonifera). Well adapted for sandy pastures, near the coast, and good for pasture on low lands. If sown alone, use 25 pounds per acre. Excellent for lawns. Use 12 to 15 pounds per 50-foot. Pound 75 cents.

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 bears an abundance of foliage that makes the best and sweetest hay imaginable. Sow 40 pounds per acre. Pound 35 cents, 10 lbs. \$3.00.

AUSTRALIAN RYE GRASS (Lolium Perenne). A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Forty pounds per acre.

For Lawns this is used and recommended by many gardeners. If sown thickly it makes a fine lawn, and for large grounds and parks it is very successful. Pound 35 cents, 10 pounds \$3.00, postpaid.

PACIFIC RYE GRASS. Used for lawn mixtures, also valuable as a green forage plant for growing on lands not easily cultivated. Per pound 45 cents, 10 lbs. \$4.00.

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 overflooded land mix with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 pounds headful. Pound 50 cents, 10 lbs. \$4.50.

FENUGREEK

In the past this was one of the most popular varieties of cover crop seed, but it has lately, become more or less obsolete, due to the advantages of the other crops over it.

VETCH (Spring)

This is the variety used by the Orchardists in Southern California as a cover crop, and large quantities are handled by us. The name "Spring" as applied to this sort is misleading, for it should be planted in the Fall to obtain the best results. The best time to plant is from the first of August to the first of January. Per lb. 25 cents, 10 lbs. \$2.00.

MELILOTUS INDICA

The most popular Cover Crop in Southern California. We handle hundreds of tons of it, and due to our new facilities for recleaning and scarifying this seed we are enabled to offer a quality of seed that is far superior to that which is ordinarily sold through out the country. We have tested out hundreds of samples, this year of different lots that have been sold in this section. One cannot tell by the appearance of this seed as to whether or not it is of good germination. The seed may look extra fancy and still may be of poor germination. We have made a study of this seed and find that by putting it through a certain machine, that we can raise the germination twenty to twenty-five percent on the ordinary seed that is sold on the market. We have prided ourselves on the quality of this seed and this year none of our seed showed a lower germination than ninety percent, and a purity test of ninety-nine and one-half percent. Per pound 25 cents.

HORSE BEANS

This is the Broad Windsor Bean which is being used as a cover crop and is becoming quite popular in this section. The seed is about an inch to an inch and a half long, and about half as wide. They are flat in appearance. Per pound 25 cents, 10 lbs. \$2.00.

PURPLE VETCH

Since the introduction of this super cover-crop nearly five years ago, the supply of seed has never been sufficient to warrant its introduction to the ranchers. We would advise that all interested in this wonderful cover-crop place their orders at once for future delivery. It makes the heaviest growth of any leguminous cover-crop known, and contains more pounds of nitrogen per ton of green manure than any other cover-crop. It makes the quickest growth of any cover crop and can be planted later than any other cover crop. **Purple Vetch will practically do as much good in one year as any other crop can in two years.** Price per lb. 40 cents, 10 lbs. \$3.50.

FESCUE RED (Festuca Rubra). Forms a close rich sod, thrives well in dry, sandy and acid soils. Roots creep extensively. Valuable in lawns and should be included in putting green mixtures. Pound 65 cents.

MEADOW FESCUE. A valuable species for permanent grass lands; polished by live stock both in hay and pasture. Per pound 50 cents, 10 lbs. \$4.50.

ORCHARD GRASS OR COCKSFOOT (Dactylis glomerata). Valuable alone or mixed with other grasses. Very often mixed with white clover, red clover, and rye grass. Per lb. 50 cents, 10 lbs. \$4.50.

VARIOUS LEAVED FESCUE (Festuca Heterophylla). Grows 2 to 3 feet high, valuable for permanent meadows, either for mowing or grazing. It is especially valuable as a lawn grass for shady places. Pound 75 cents.

RHODES GRASS. An Australian grass which grows readily on sandy or light soils. Grows thickly producing from 5 to 10 tons of fine quality hay. It is very palatable to stock, easy eradicated when desired and very highly recommended by farmers who have grown it. 1 lb. 85 cents, 10 lbs. \$7.50.

RHODE ISLAND BENT (Agrostis Canina). Resembles Red Top. Makes a close sod valuable for permanent pastures and meadows. Twenty-eight; pounds per acre. For lawns, use 12 to 15 pounds per 50-foot lot. Gives good results. Pound 75 cents.

SWEET VERNAL (Anthoxanthum Odoratium). Valuable to put in pasture mixtures and lawn grass on account of its earliness. Twenty-eight pounds per acre, but this grass is recommended only for use in mixture. Pound 85 cents.

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. Pound 85 cents, 10 lbs. \$2.50.

WOOD MEADOW GRASS (Poa Nemoralis). As a lawn grass its creeping roots soon form a good turf. Of early growth and thriving well under trees where other grasses will not grow, most valuable lawn mixture, especially for shady places. Pound 85 cents.

AWNLESS BROME GRASS (Bromus Inermis) withstands drought that kills other grasses. Unexcelled under such condition. Price, pound 75 cents, 10 lbs. \$6.50.

FIELD BEANS AND PEAS

WRITE FOR PRICES

We have itemized on this page, by cuts and descriptions, the most popular beans raised in districts west of the Rocky Mountains. Owing to the fact that most of these beans are planted in quantities, we have not stated any prices, as they are subject to fluctuation due to the influence of season and of conditions in the commercial market. You can always depend upon our field beans being of selected, true-type varieties; and we are in position to furnish any quantity when the season will permit us to lay in large stocks.

GARBANZA OR CHICK PEA. Grown very extensively in California, preferably in the drier sections. It stands almost as much cold weather as horse beans or cowpeas, and can be planted as late as June, which makes it practically an all year round crop. The majority of the crop is exported to Spain for edible purposes.

TEPARY BEAN. The most drought-resisting bean grown in California. Suitable for planting on dry soils and in dry seasons. Very sensitive to cool climate and excessive moisture. Matures in ninety days, and by careful management two crops can be raised on the same soil in one year.

SMALL WHITE BEAN (NAVY). This is grown extensively on truck soils. It is especially adapted to coastal valleys as the intense heat of the interior valleys is somewhat detrimental to its growth.

LADY WASHINGTON. Commonly known as 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 freer from attacks of mildew than the other common varieties of beans.

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.

RED MEXICAN. Grows like the Mexican Pink bean, but is a much heavier yielder under extreme heat, and for that reason is gradually replacing the pink variety.

SPOTTED RED MEXICAN OR PINTO. (With the exception that the spots are red instead of brown, as in the Colorado and New Mexico Pinto bean). It is grown very extensively in California and Arizona.

CRANBERRY. Will grow under almost every condition that the pink bean will stand. Is raised more extensively on river bottom land. Hot, moist climate.

FRENCH WHITE. Resembles very closely the Lady Washington, but does not produce a trailing vine, and has a much larger bush. Also ripens earlier in the season than the ordinary small white bean. It is gaining favor each year.

LEWISMA. Commonly known as the Ventura Lima. Used for commercial purposes, and is grown on all land which is subject to heavy fogs, such as the Coast district.

BROAD WINDSOR (HORSE BEANS). A hardy winter crop, planted from October up to February and March, so that the harvest can not take place before the hot Summer months. Used extensively as a green manure cover crop in orchards. See cut.

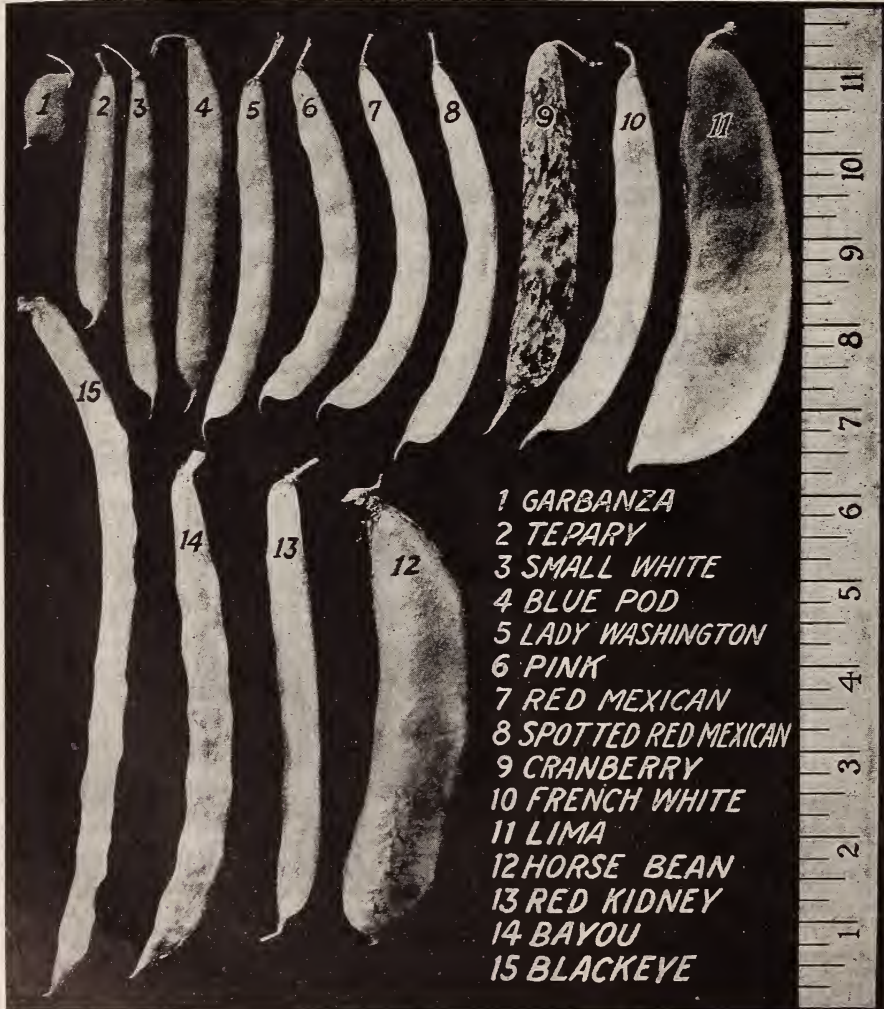
SMALL WINDSOR (NEW ZEALAND HORSE BEAN). Analogous to the Broad Windsor variety, only smaller in size, but will yield the same amount of foliage.

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.

BAYOU. Rather difficult to raise except on river bottom land, and cannot be successfully forced by irrigation. Rather difficult to get to set properly, as it is somewhat susceptible to red spider pest.

BLACKEYE (COWPEA.) A dry land bean adapted to early planting in hot, dry districts. Matures too late on irrigated soil to be of advantage; also with excessive moisture it puts forth long runners which are very detrimental to quick harvesting. Very susceptible to cold weather, as the pods fail to set properly, and the plants are dwarfed. Grows splendidly on semi-alkali soil.

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 on the interior dry sections and does not require the fog for moisture, as the large Lewis Field Lima variety.



- 1 GARBANZA
- 2 TEPARY
- 3 SMALL WHITE
- 4 BLUE POD
- 5 LADY WASHINGTON
- 6 PINK
- 7 RED MEXICAN
- 8 SPOTTED RED MEXICAN
- 9 CRANBERRY
- 10 FRENCH WHITE
- 11 LIMA
- 12 HORSE BEAN
- 13 RED KIDNEY
- 14 BAYOU
- 15 BLACKEYE

ROOT CROPS

ALL PRICES ON THIS PAGE ARE POSTPAID

WRITE FOR QUANTITY PRICES

STOCK BEETS

Stock Beets are one of the finest fat and milk-producing crops we have today and when fed in conjunction with grain they are worth nearly as much, pound for pound, as the grain itself. This statement may seem a little strong, but experience has shown that Stock Beets aid digestion and assimilation by keeping the animals in extra good condition. By feeding the same in conjunction with grains it increases the feeding value of the grains.

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. Beet seed is very hard and does not germinate as easily as other seeds, therefore, the soil should be very moist at the time the seed is planted. If the soil should be dry it is advisable to soak the seed in luke-warm water for twenty-four hours before planting.

VARIETIES

Germain's Prize Mammoth Long Red

There is no other root crop grown which produces so large a tonnage per acre as the Germain's Prize 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. Packets 10c, 1 lb. 70c, 10-lb. lots \$6.50, postpaid.

Giant Half Sugar Mangel

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. Packet 10c, 1-lb. 70c., 10-lb. lots \$6.50, postpaid.

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. Packet 10c, 1-lb. 70c, 10-lb. lots \$6.50, postpaid.

Sludstrup

While this Beet is one of the favorites in Europe, its popularity in America is not to be compared with the Mammoth Long Red. The roots are very solid, large at the top and gradually tapering to a point. The part of the root growing above the ground has a greenish tinge, while the part growing in the ground is white. Packet 10c, 1-lb. 70c, 10-lb. lots \$6.50, postpaid.

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. Packet 10c, 1-lb. \$1.00, 10-lb. lots \$9.00, postpaid.

STOCK CARROTS

It is a well known fact that Carrots are mighty good farm food and analyses made by a National Chemist showed the Carrot content as follows:

Albuminous Compounds	.....	.7
Fat	.....	.2
Pectine	.....	1.2
Cellular Fiber	.....	3.5
Sugar	.....	6.5
Ash	.....	.9
Water	.....	87.0

For description and prices of the varieties we refer you to page 26. The varieties we recommend are White Belgian and Yellow Belgian.

ARTICHOKES (JERUSALEM)

See page 56.

GRAINS

WRITE FOR QUANTITY PRICES

To rid your grain crops of smut and rust, we recommend dipping your seed in a weak solution of "Blue Stone." The dilution is one pound of Bluestone to five gallons of water. Soak the seed for ten minutes. The same solution can be used over and over again.

BARLEY

Sow 65 to 100 lbs. to the acre

HULLLESS OR BALD. This grain is sown about the same as wheat, in the fall of the year. The Hullless or Bald sort thrashes entirely clear of the hull, and is therefore a very valuable grain for the feeding of stock and poultry.

BEARDLESS. We have a perfect strain of this variety, produced from a single head of superlative type. The present crop is the sixth successive re-production from the original planting from the selected head, and is now producing perfectly without a single head of bearded type.

COMMON. This seed is selected from good, average-weight grain, free from foreign grain and weed seeds.

MARIOUT. This variety of barley is one that has just been introduced by the University of California after experiments conducted at their experiment station. It yields more-prolifically than any other variety which has ever been tried on California soils. It is sown the same as other barleys.

BUCKWHEAT

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 25 cents, 10 lbs. \$2.00.

OATS

RED RUST-PROOF, Texas grown. This seed is from selected Texas stock, thoroughly re-cleaned, giving you a higher percentage of plump oats than you can ordinarily buy from the mills. 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 two years, thoroughly acclimated, somewhat lighter in color than the Texas-grown, but in every way satisfactory for re-planting in California.

RYE

COMMON OR WINTER. Our seed is obtained from Utah fields, as this produces better in California than that which has been grown here, and yields larger kernels. It is used extensively for cover crop purposes.

ROSEN. This is a large variety of rye propagated by the University of Michigan, being larger than common, and produces a heavy yield of green fertilizer for cover crop purposes. Met with splendid success last season and increased demand expected.

SPELTZ

SPELTZ OR EMMER. This is of the same family as wheat. For semi-arid regions this species is very hardy and drought-resistant. It is valuable for stock feeding, both as grain and forage, and produces well on soils of poor character and little moisture. It is sown here in the fall or winter, in the same manner as wheat and barley.

WHEAT

It is not good practice to grow many different varieties and we have therefore selected only those most successfully grown in this section.

DEFIANCE. A rust-proof variety, a heavy yielder, hard and splendid for milling purposes; large heads, plump kernels.

SONORA. A popular variety in California, especially in the southern counties; matures early and yields heavily; will stand more drought than most; soft; suitable for blending in the manufacture of flour.

TURKEY RED. A hard red wheat, very high in gluten, valuable for milling purposes.

DURUM OR MACARONI. A hard wheat which does especially well in semi-arid regions; is drought-resistant and a heavy producer; large kernel.

EARLY BAART. This is a bearded variety of spring wheat, large white grain, of exceptional milling quality; will average two or three weeks ahead of ordinary sorts of white wheat; and produces a larger crop. Was planted extensively last season, and is continually increasing in popularity.

MISCELLANEOUS FARM SEEDS

(QUANTITY PRICES AND SAMPLES ON REQUEST)



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

ALFILARIA

ALFILARIA (*Erodium cicutarium*). One of the most nutritious of plants; cattle, sheep, horses and hogs alike prefer it to any other natural product of the plains. Sow twenty pounds to the acre. Pound 85c, 10 lbs. \$7.50.

ARTICHOKE

ARTICHOKE, JERUSALEM (roots). The greatest hog food known, yielding over one thousand bushels to the acre. It can be grown without a great deal of cultivation and no harvesting is necessary. When the roots are full-grown, turn the hogs into the field and they will help themselves by rooting. We can supply the tubers from February until May. Per pound 25 cents.

BROOM CORN

STERLING DWARF. Per pound 30 cents, 10 lbs. \$2.50.

STANDARD TALL. Per pound 30 cents, 10 lbs. \$2.50.

CANARY SEED

CANARY. Used for bird food. It is also used as an ornamental grass and for hay purposes. Price, 15 cents per lb., 10 lbs. \$2.00.

COTTON

CULTIVATION—Prepare the land by having it thoroughly ploughed. Lay off into rows about four feet apart; sow the seed along the center in a straight furrow made with a small plough or opener. It can also be sown in holes twelve to eighteen inches apart. Sow in March. The young shoot appears above ground in about ten days, and is subsequently weeded and thinned. Blooming takes place about the beginning of June. As a general rule cotton is a dry weather plant. For ploughing, the planter requires just sufficient moisture to give the soil a spongy texture. Give plenty of water in the early stages—but too much is productive of wood, at the expense of wool, and a severe drought will produce a stunted plant. From the blooming to the picking season, warm dry weather is essential.

DURANGO; 10 cents per ounce, 50 cents per pound.

EGYPTIAN. Originated in Egypt; erect and larger size than other cottons, producing an abundance of cotton; 10 cents per ounce, 50 cents per pound.

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 30 cents, 10 lbs. \$2.50.

HEMP

HEMP is sparingly grown in Southern California. The seed is used for birds. Its fibre is in big demand. Per pound 25 cents, 10 lbs. \$2.00.

LENTILS

LENTILS. Used for the table; growth and habits similar to the pea. Quite a favorite in California. Per pound 35 cents.

MILLET

LIBERTY OR GOLDEN (Formerly German). 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. Pound 25 cents, 10 pounds \$2.00, postpaid.

PEANUTS

Plant when weather is warm. A warm, porous, sandy soil, put into a 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 thirty-five pounds of peanuts in the hull to an acre. 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; 35 cents per ounce, 10 lbs. \$3.00.

SPANISH. In addition to their value for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stocks. 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 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, making the cultivation easier. 35 cents per pound, 10 lbs. \$3.00.

Bigger yields of Peanuts are obtained by Inoculation. Read page 46, it tells all about it.

RAPE

DWARF ESSEX. This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to 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. Per pound 30 cents, 10 lbs. \$2.50.

RICE

RICE. Very few people probably are aware of the fact that California is coming to the front as a rice producing State. We have secured a quantity of Japanese Rice Seed which has been grown in California for one year, and which makes it especially adapted to California conditions. We are especially posted on Rice Growing and shall be very glad to give you any special information and tell you whether your land is adapted to Rice growing. Price per pound 25 cents, 10 lbs. \$2.00.

SALT BUSH

AUSTRALIAN (*Atriplex semi-baccatum*). Will grow on alkaline soils. Much relished by stock, supplying the necessary salt. One pound of seed 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 lbs. \$7.50.

AUSTRALIAN "OLD MAN." A distinct species different from the *Atriplex semi-baccatum*. It succeeds on alkali land as well, and withstands drought. Plant in hills six feet apart each way, several seeds to a hill, thinning out the two strongest plants. Packet, 10 cents, ounce 3¢ cents, pound \$3.00.

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. Per pound 25 cents, 10 lbs. \$2.00.

TEOSINTE

TEOSINTE. Resembles corn, but leaves are much larger very nutritious. Ounce 10 cents, pound 90c.

TOBACCO

Tabaco Tabak Tabac

Cultivation of Tobacco is comparatively easy and a warm climate suits it best. The best time for starting the seed is January. Sow in seed beds of rich soil, and as the seed is extremely minute, it is first largely mixed with sand and wood ashes to assist in spreading it thinly. One ounce of seed will sow twenty-five feet square and produce plants for one acre. After the beds have been sown, cover the seed slightly and protect from light frosts. Remove covering as soon as can be done with safety, and the plants will then grow rapidly and are ready for transplanting about the first of June. Wet or foggy weather is the best for transplanting. The plants must be carefully raised from the seed bed and planted in the fields in rows three feet apart and leaving five feet between the rows. The crop needs much careful attention in weeding, and a watchful eye to prevent the ravages of various insect enemies. As soon as the plants begin to throw up the flower-shoot, it is clipped off; otherwise it would weaken the plant.

CONNECTICUT SEED LEAF. Grows to a height of about five feet, with leaves two and a half to three feet in length and from fifteen to twenty inches broad, one of the best varieties for cigar wrappers. Per packet 10 cents, \$1.00 per ounce.

HAVANA. Bearing a fine colored leaf, varying from straw color to dark brown or black; it surpasses all other varieties in flavor for cigars; heavy cropper, fine texture, and the earliest variety to mature and ripen.

Big Havana (Vuelta de Abajo). Per packet 10 cents, ounce \$1.00.

SUMATRA. Per packet 10 cents, \$1.50 per ounce.

WHITE BURLEY. Per packet 10 cents, per ounce \$1.00.

GERMAIN'S SEED POTATOES

WRITE FOR PRICES



EARLY WHITE ROSE

We are equipped to give you information as to the variety to plant and when. Our experts will be pleased to answer any question in order to help you produce a better and bigger crop.

The soil should be well worked and thoroughly drained. Sandy loam with a clay sub-soil is best. Eight to ten tons of manure per acre should be used if the soil is lacking in fertility.

The hill or row system may be used in planting. If in hills, they may be three feet apart each way or thirty inches one way and thirty-six inches the other way. The rows are usually three to three and one-half feet apart. The distances between the hills in the row varies from 12 to 16 inches apart for early varieties and 17 to 20 inches for late ones according to the soil. On light soils early varieties may be planted four inches deep and late varieties five inches deep. Early varieties are planted any time after the middle of January, but there is danger of their being caught by frost if planted before February first. Usually it is best to plant the main crop of potatoes about the middle of February, as early planting usually gives better results than late planting. The cut seed should be as blocky in shape as possible. Long thin pieces are more likely to rot in the ground. A good method is to begin cutting of pieces at the stem and diagonally across the tuber until just enough is left at the blossom end to make two pieces, when this part should be cut in two so that all the eyes on the end will not be left on one piece.

When the rows are three feet apart and the space between hills is 15 inches, 600 lbs. of seed potatoes are required per acre, if the seed pieces are cut into 1 oz. This is about the average rate per acre for this region.

NORTHERN GROWN POTATOES

EARLY WHITE ROSE (Purple Blossom)

Selected Stock

A uniform potato of the rounder type, yielding more heavily than the white blossom White Rose, but requiring a much richer and stronger soil. The vines grow rank, covering almost the entire ground. The tubers do not form in clusters as in the case of the white blossom, but are scattered, sometimes reaching as far as the center of the row. They mature about two weeks later than the white blossom but the yield where the soil conditions are suitable is so much heavier that it easily makes up for being somewhat later. It is an excellent market potato, and those who have grown it for the past two years recommend it highly.

EARLY RED ROSE

A Truly Wonderful Variety

The well known and popular pink skinned potato, bearing many qualities common to the White Rose. A real early maturing potato, excellent for first planting. Tubers are medium size, smooth and white meated—an elegant cooker.

AMERICAN WONDER POTATO

Selected Stock

A medium sized, smooth and heavy producing white potato, wonderfully well adapted to rapid growth under California conditions. Matures in a very short period being extremely healthy and vigorous. The American Wonder potato produces large quantities of perfect tubers in each hill and responds very readily to conditions meant for forcing. This variety is widely planted and many carloads are shipped from California every year.

BURBANK POTATOES

Northern Grown

One of the old standards, probably as widely grown as any variety of potatoes. Produces prolifically and comes to maturity late in the season.

Order your requirements early as we have obtained only a limited quantity of the burbanks northern grown.

Send for leaflet that tells how to prevent scab on potatoes. It's free to those who ask for it.

CALIFORNIA GROWN POTATOES

WRITE FOR PRICES

GERMAIN'S CERTIFIED WHITE ROSE

White Blossom Type

These potatoes are grown under our supervision and inspected by us all through the growing season. They are subjected also to several examinations by the State Department of Agriculture. Every bag carries the State Inspector's tag certifying that the contents have passed his rigid test for freedom from disease and trueness to type and variety.

EARLY WHITE ROSE

We have secured a very fine strain of this well known and heavy producing potato which will be suitable for planting in almost any section.

Most of these have been grown by us at our Trial Grounds being true to type and of excellent quality.

SWEET POTATOES.

We will be able to supply potatoes of such varieties as Yellow Nansemond, Large White and Jersey Red during fall and winter up to February. Write for prices. Plants after March. **SWEET POTATO PLANTS.** See page 108.

FLOWER SEED DEPARTMENT

A FEW CULTURAL SUGGESTIONS

Few people are aware of the great number and variety of flowers that can be raised from seed. In this glorious Southland, the time taken to obtain fine flowering specimens is not nearly so long as in colder climates, while varieties grow to splendid perfection, if given a reasonable amount of care. There may be a few of the very hardest species that need a longer winter's rest than is here afforded, but it has been the experience of growers that these soon become acclimated and flower over a larger season than when the summer is short and hot—the winter long and cold. A little experience has to be obtained as to the suitability or otherwise, of certain kinds for special locations but once a general idea of the likes and dislikes of the plants is obtained, it is plain sailing.

One great advantage in raising a flower garden this way is the saving of money. The price of plants at certain seasons of the year and in times of scarcity, is high. This is unavoidable, but seeds can always be purchased for a few cents. Then the interest of watching—first, the tiny germ or seed leaves and eventually the stems and flowers—is great. It has a charm that is always fresh, always new, and the grower has a feeling that he or she is indeed the real owner of the plant. It has never belonged to anyone else. "I raised that from seed," the owner will say of perhaps a stately Delphinium or other fine herbaceous plant and the pride exhibited in that sentence is surely pardonable and proper. Then the pleasure of giving or exchanging plants with a neighbor is facilitated by seedling raising, because there is always plenty for everybody, so different to having to buy them by the dozen or hundred. A packet of seed usually means thousands. We have followed the usual course of catalog makers in classifying into hardy, half-hardy and tender annuals, biennials and perennials, but this need not be taken too literally in California, for many things tender in the east, middle west and north, are perfectly hardy here and will grow outdoors the year around without protection of any kind.

HARDY ANNUALS may be sown in the open air at any time. The name "Annual" indicates that they live only one season.

HALF-HARDY ANNUALS should be sown in a frame or given some protection until the seed germinates if needed early. By the middle of April, it is quite safe to sow in the open.

TENDER ANNUALS is a term used to distinguish those plants usually grown in greenhouses or frames. Speaking generally, they need more skillful treatment than the harder kinds, though it is getting quite common now to see such plants as Cyclamens, Cinerarias and others that were formerly grown entirely in greenhouses, flourishing outside on rockeries or beneath trees that throw sufficient shade to protect them from the hottest rays of the sun. This is a type of gardening peculiarly suitable for California, and especially Southern California. Ask us about it if you are interested.

HARDY BIENNIALS are those that flower in the second year from sowing the seed.

HARDY PERENNIALS are among the finest of our border plants. They do not usually flower till the second year after sowing, but may be relied upon to produce larger clumps of flowers year by year for many years.

HALF-HARDY PERENNIALS are those which require some protection during the coldest weather, as they will not stand frost.

TENDER PERENNIALS are those species that require greenhouse or other protection during the greater part of the year. See also tender annuals.

HARDY ANNUALS. The best time to sow is in the fall months, as they will make much stronger plants and flower much more abundantly when wintered over. They may be sown in any fine y-prepared shady border, and transplanted when large enough, to where they are to flower. Do not cover the seeds too deeply. A good rule is to cover each seed its own depth with soil, at the same time taking care to water carefully. Never water so much that the soil gets "soggy," i. e., saturated; nor ever let the top get dry. Most varieties will germinate within ten days.

They may also be sown at any time during the spring months for summer blooming, care being taken to shade the young plants after transplanting, in hot weather.

HALF-HARDY ANNUALS may be sown in April out-of-doors, or in boxes, in March or earlier. If in boxes they should be covered or removed under cover during the night-time and during heavy rains. Those who have hotbeds may sow the seed in February and grow the plants in three inch pots for planting outdoors in April, thus gaining two months on those who have not this advantage. If sown in boxes, the boxes should have an inch of rough soil or gravel at the bottom for drainage; the remainder of the box should be filled within an inch of the top with sifted, light, rich soil, firmly pressed, and watered. The seed should be sown, and covered its own depth with soil, then covered with a sack or burlap until germinated, when the covering must be removed. When the young plants are large enough to be handled, transplant to other boxes, planting them about one inch apart, and, when weather permits, they should afterwards be planted in the open ground in the place where they are to flower.

TENDER ANNUALS should be sown in pots as follows: Take a five or six-inch flower pot, put an inch of drainage in the bottom, then two inches of finely-sifted soil, firmly pressed, with a sprinkling of sand on top. Then sow the seed, and do not cover, but press into the soil. Water with a very fine sprinkler, and cover the top of the pot with a sheet of glass. Remove the glass for an hour daily to dry up the damp. When seedlings appear, gradually harden them off to the air. As soon as they can be handled, transplant to two-inch pots, and shift again when necessary.

HARDY BIENNIALS and **PERENNIALS** should be sown in September. Many varieties, if sown then, will flower the next year. If sown in spring they will not flower till a year later. They may be sown in a shady border, and, when large enough, transplanted to where they are to remain.

HALF-HARDY and **TENDER PERENNIALS** should be sown in boxes, and treated as recommended for Half-hardy Annuals till plants appear, when they should be transplanted to two inch pots, and shifted afterwards when necessary.

We have arranged our list of flower seeds according to the various classes: Annuals, including separate lists of Everlasting Flowers and Ornamental Gourds; Climbers, Annual and Perennial; Biennials and Perennials; Ornamental Grasses, Annual and Perennial.

ABBREVIATIONS. Hh means Half-hardy, Annual or Perennial; T means Tender, Annual or Perennial. When no abbreviation is used, the variety will prove hardy in this climate. The letter B affixed to a variety means that it is useful for bouquets and cut flowers.

Novelties and Specialties for 1922

CHINESE WOOL-FLOWER (Celosia Childsii)

The Chinese wool-flower is a new celosia, and a most magnificent garden annual and remarkable floral novelty. Plants grow two to three feet high, the blooms starting with a central head, round and globular, and often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet or pink wool but not as large as the central one. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like one immense bouquet. None of the blooms fade in any way, to partly spoil the looks of the plant, but they deepen in richness of color to a deep crimson.

	Pkt.
Crimson-Scarlet	\$.25
Rose-Pink .....	.25

GERMAIN'S NEW GIANT PLUMED CELOSIAS

A lovely new class of feathered coxcombs of the Pyramidalis type. The plants attain a height of 3 feet and over and during the months of August, September and October are crowned with immense, gracefully feathered plumes. These are remarkable for their immense size as well as for their splendid range of colors. There is nothing that we know of more attractive or more showy for bedding than these splendid new giant types. Colors range from yellow to the various shades of rose, carmine, crimson, bronze, etc. There is a richness of effect about these plants that is distinct from all others. From seed sown in March beautiful specimens may be had in full flower by the time above noted. We can unhesitatingly recommend this grand new class to all of our customers. Per packet 50c.

Some Magnificent New Seed Novelties and Specialties for 1922

NEW ZINNIAS

Zinnias have always been popular, but it was mostly because of their ease of culture and profusion of bloom. The modern zinnia is no harder to grow, but it is far removed from the hard colored stiff little flower of former years; fully four times as large, the zinnia of today possesses colorings which we would find it hard to duplicate in any other flower so delicate are they, and especially in pastel shades and the dull satiny tints so popular at present, the zinnia is very rich.

Size and color we have and now also the shape of the flower has been changed; we are offering this year Dahlia flowered, Picotee and Quilled strains which for size, beauty of form and color, are incomparable.

Giant Dahlia Flowered—Of immense size and beautifully formed, including many new shades. Pkt. 25c.

Giant Picotee—This type is very effective in appearance, the edges and tips of the petals are all well marked with a distinct color, while the ground colors include all shades from white to scarlet. Pkt. 25c.

Giant Picotee, Golden Pheasant—Gold ground tipped maroon. Pkt. 25c.

Giant Victory—Quilled. This is a distinct strain of Zinnia. The flowers are large and the petals evenly quilled in different shades of color, such as bronze, cerise, yellow and white. Many of the petals are reflexed, showing a different color on the inside, giving the flowers the appearance of a bicolor. Mixed colors, per packet, 25c.

GERMAIN'S IMPROVED NEW SINGLE GIANT PETUNIAS

Nearly everyone is familiar with the single superbissima type of Petunia, commonly referred to as "Giants of California," and while it is hard to realize that any improvement could be made, yet this new strain is far and away ahead of anything in the single Petunia line introduced to date. We have had individual blossoms that measured 6 inches in diameter. The petals are beautifully convoluted and frilled, and they contain a much wider range of colors than any strain of Petunias, elegant shades of lavender, crimson, carmine and copper are plentiful. Many of the blossoms are beautifully veined, others are blotched or striped. The well-known value of Petunias for Summer bedding and their ability to withstand our hot Summer suns and furnish a constant display of bloom throughout a protracted period should recommend them to every one. Price per packet 50c.



THE CALIFORNIA POPPY

Distinctly a native California flower, it has spread throughout the world on the strength of its beauty. In England and other European countries this wild-flower has been grown to such an extent that it has become one of the favorites.

To Californians the flower is too well known to need much description, but even they can come to know it better and to plant it more universally.

For beautifying and enhancing the value of a vacant lot, for cut flowers and for general decorative purposes it is more valuable than hundreds of others. Being a perennial it can be kept growing from year to year if only kept watered.

We are offering this year a new strain which is far more beautiful than any of the former varieties.

Tango—Bronzy red overlaid terra cotta, the tango color recently so fashionable.

Mauve Beauty—A pure Mauve. A new color among the California poppies.

Purple Glow—Bright reddish purple, darkest shade obtained so far.

Lovely—Bright satiny rose pink suffused with salmon. A lovely flower indeed.

Scarlet Beauty—A deep scarlet with the bearing and appearance of a scarlet tulip.

The Geisha—The prettily fluted petals are golden inside and intense orange crimson outside. A most beautiful contrast.

Vesuvius—Wallflower red inside and out.

Mixed—A superb mixture, rich in shades of crimson, pink, orange and scarlet. Pkt. 25c; ½ ounce, 50c.

All the above varieties per packet 25 cents. The full collection of seven packets \$1.25.

For other varieties see page 83.

Novelties and Specialties for 1922

GERMAIN'S NEW GIANT NON-LATERAL BRANCHING ASTERS

During the many years of our business, we have each season presented to our customers various novelties in choice flower seeds. These have ranged through all of the various annuals and perennials and included many meritorious subjects, but never before has it been our pleasure to introduce one of such outstanding merit as these superb new Asters. They are so distinct and so beautiful in their character that we unhesitatingly recommend them to our customers with confidence that they will not only please them, but all who may have the pleasure of seeing them. The plants are remarkable, not only for their giant height, attaining as they do a height of 3 feet and over, but for their superb and elegantly formed blossoms coupled with their mammoth size. A peculiar feature of this strain is that they are non-lateral branching, they produce few or no florets along the main stem, with the result that the entire sap flow is diverted to the terminal flower at the end of the stems. This accounts for the immense size and substance of bloom. The flowers may be cut with individual stems which reach a length of fully 3 feet or over. As cut flowers and as decorative plants in the garden, these new Asters will prove a pleasant surprise and give a vast amount of satisfaction to our customers.



The engraving herewith produced conveys a fair idea of an individual flower of Germain's new giant Aster "Peach Blossom." The reproduction shows the individual flower in a greatly reduced form.

New Giant Aster—Peach Blossom—The photograph shown on this page conveys but a very inaccurate idea of the size and beauty of this particular type. The blossoms attain a diameter of 5 inches, individual stems fully 2 feet long. The blossoms in the opening buds are almost white; as the flowers mature they turn to a beautiful flushed peach blossom pink. Per packet 50c.

New Giant Aster—Light Blue—A splendid companion to the foregoing variety, the shade of blue to be noted in the flower of this superb sort is one of the richest conceivable. Price per packet 50c.

New Giant Rose—An exquisite shade of rich dark rose; the flowers are composed of long, narrow, twisted and curling petals. Per packet 50c.

New Giant Purple—Deep rich purple, a telling shade well displayed in the enormous sized blossoms. Splendid in stem, form and substance. Per packet 50c.

New Giant Light Blue Curled—Distinct in every respect, from the light blue noted above—a variety which bears flowers up to 5 and 5½ inches in diameter. The blossoms instead of being cupped are similar in character to those in the preceding dark rose variety. Per packet 50c.

New Giant Asters Mixed—A well balanced mixture, including the above five varieties. Per packet 50c.

GERMAIN'S ELDORADO POPPIES

These new poppies are an improvement on anything which has hitherto been introduced in the line of Shirley Poppies. They offer not only a much wider range of colors, but contain as well a distinctly new range of colors in the annual strain of *Papaver Rhoeas*. The blossoms are either single or semi-double. A few of the colors to be noted are wonderful shades of salmon, orange, satiny pink, peach blossom, orange-scarlet or handsomely bi-colored sorts, wherein the center of the flower is of one shade and the exterior of the petals another, as for example—a center of white with a rim of salmon or orange. A sowing of these poppies made in early Spring will produce a wonderful display of blooms during the months of April or May. As Poppies do not transplant readily, they should be sown in drills about one foot apart and the seed covered slightly with soil or merely raked in. When the plants appear above the surface or attain a height of one or two inches, they may be thinned to one foot apart in the row. It is useless for us by means of word picture to explain their beauty. A bed of them in bloom will speak for itself. Per packet, 25c.

Some Magnificent Novelties and Specialties for 1922

SWEET PEAS

Six superb new varieties of the extra early or winter flowering type.

All White—The finest pure white sweet pea to date. It produces four exquisitely waved and gigantic blooms on exceedingly long stems. Pkt. 35c.

Aviator—A most beautiful dazzling crimson scarlet—a grand sweet pea in every way. Pkt. 35c.

Fair Maid—This is an exact counterpart of the popular summer variety, Elfrida Pearson and a color much needed in the early class. It is a blush pink suffused salmon, on white ground, of robust growth, with long stems carrying four flowers on each stem. Pkt. 35c.

Fancy—A pale salmon pink on cream ground deeply overlaid with buff. It might be called an early Margaret Atlee, but is superior in size and finer in every respect. Pkt. 35c.

Irene—We recommend this variety to those who prefer a clear lavender without mauve in it. An excellent flower of a very fine clear bluish lavender. Pkt. 35c.

Rose Charm—Four very large blooms on very long stems of a bright and constant rose color, which does not purple as the flowers get older; it is one of the most admirable of sweet peas. Pkt. 35c.

The collection of six for \$1.50.

DIDISCUS COERULEUS

(Blue Lace Flower)

This charming introduction from Australia has immediately gained favor with the florists. A basket of these delicately formed blossoms possesses a grace not equalled by any other. The flowers are a light azure blue in color and their dainty globe-shaped construction reminds one of the art of lace-makers. The plant grows to a height of two feet. Pkt. 25c.

CALENDULA "ORANGE KING"

Double, dark orange-red, select strain, grown with the greatest of care, and with good cultivation will produce flowers four inches and over in diameter. Height, eighteen inches. Price, 10c per packet.

CALENDULA "LEMON QUEEN"

Double, bright sunflower yellow. This variety is equally as popular as "Orange King" as the blooms are fully as large. Height, eighteen inches. Price, 10c per packet.

VERBENA LUCIFER

A new Mammoth Verbena, in color an intense brilliant scarlet with no eye. It is a great improvement on the popular Scarlet Defiance and as a bed or border plant this brilliant subject will prove most satisfactory. Pkt. 25c.

LARKSPUR "EXQUISITE"

Charming new double Larkspur of a beautiful soft pink, the shade that is highly desired by all lovers of flowers. Price, per packet, 25c.

POPPY RYBURGH HYBRIDS

Double Shirley select new strain. Mixed colors, 25c per packet. Eldorado, new Salmon shades, 25c per packet.

SCHIZANTHUS (BUTTERFLY FLOWER)

"Garaway's Hybrids." A splendid new strain with large blooms producing an endless variety of color. Price, per packet, 25c.

STOCKS—WINTER FLOWERING

A remarkable percentage come double and they are worthy of culture in any garden.

Crimson	Rose
Flesh	Salmon
Lavender	White
Purple	Yellow

Germain's collection of eight varieties for 75c. A wonderful type of imported stocks.

THE AMERICAN LEGION POPPY

This new Shirley of Merit is a dazzling orange scarlet of enormous size, borne on long stout stems. The plants are robust and of very erect growth. 3 pkts. for \$1.00, 35c each.

STATICE CASPIA

Stalice Caspia—Light and feathery, the flowers produced in large but delicate spikes are very numerous and tiny. They are of a bright lavender blue and exceedingly graceful when mixed with flowers in vases or bouquets. One of the most attractive of everlasting flowers. Pkt. 25c.

ANNUALS

Our Selection Twelve fine varieties of Annual Flower Seeds, \$1.00.

Our Selection Six Fine Varieties of Annual Flower Seeds, 50c.

The quickest and cheapest way of making a good display of color in the garden is by sowing annuals. But to sow them thickly as is frequently done and then leave the little plants alone to fight for a position—eventually running straight up, flowering once and then dying—is not the right way to treat them. Each plant must have room to develop its branches as they are produced, and in order to obtain this, they must be thinned severely and often, so that each stands at from 6 inches to 1 foot apart, according to the kind sown. Some, as noted under the separate headings, are better sown in boxes or pots and transplanted. Others do well sown where they are to flower. But in all cases, prepare the ground well by deeply spading and incorporating, as the work proceeds, good, well prepared manure. If natural manures cannot be obtained, we have the best commercial fertilizers always in stock, and these are equally effective. But give the plants room to develop, allow plenty of moisture, and the display that these pretty plants make will delight and surprise the grower.

All 10 cent packets at \$1.00 dozen; 15 cent packets \$1.50 dozen; 25 cent packets \$2.50 dozen.

COLLECTIONS

ONE PACKET OF EACH OF THE HARDY ANNUALS LISTED BELOW FOR \$1.50. REGULAR VALUE \$2.10

ALYSSUM SWEET. White, height ¾ ft.
ARCTOTIS GRANDIS. White with blue disc, height 2 ft.
BALSAM (Lady's Slipper). Height 2 ft.
CALENDULA (Prince of Orange). Brilliant Orange, height ¾ ft.
CANDYTUFT. Pink, height 1 ft.
CANDYTUFT. Empress white, height 1 ft.
CENTAUREA IMPERIALIS. Finest mixed, height 2 ft.
CHRYSANTHEMUM. Choice mixture, height 2 ft.
CALIFORNIA POPPY. Golden yellow, height 1 ft.
CORN FLOWER (Ragged Sailor). Blue, height 2 ft.
GOETIA. Extra fine mixed, height 1 ½ ft.

GYPSOPHILA ELEGANS. Very graceful for bouquets, height 1 ½ ft.
LAVATERA TRIMESTRIS. Rose color, height 2 ½ ft.
LINUM (Scarlet Flax). Beautiful Crimson Scarlet, height 1 ft.
MARIGOLD FRENCH. Mixed beautiful bronzed and yellow shades, height 1 ft.
MIGNONETTE. All sorts mixed, height 1 ft.
NASTURTIUM TOM THUMB. Finest mixed, height 1 ft.
PHLOX. Finest mixed, height 2 ft.
POPPY. Mixed all sorts, height 2 ft.
SCABIOSA (Morning Bride). Finest mixed, height 2 ft.
ZINNIA (Youth and Old Age). Mammoth mixed.

ABRONIA

ABRONIA UMBELLATA (Sand Verbena). Delicate rose. Pkt.
 Beautiful native trailer, Height ¼ ft. \$0.10

ADONIS

ADONIS FLOS (Pheasant's Eye). Crimson, with black eye. A beautiful showy, free-flowering plant. Hgt. 1 ft.10

AGERATUM

AGERATUM MEXICANUM. Fine for bedding or mixed borders.
Imperial Dwarf Blue. Height ¾ ft.10
Imperial Dwarf White. Height ¾ ft.10



ALYSSUM COMPACTUM

ALYSSUM

Fragrant and pretty. Nothing better for borders or parkways. Sow thinly at any time of the year and thin the plants to 3 inches apart. Pkt.
Compactum. Dwarf, White. Height ¼ ft. \$0.10
Lilacinum. Pure lilac, fine for borders.25
Sweet. White. Height ¼ ft.10

AMARANTHUS

Hh. The Amaranthus are splendid plants to give a tropical effect in mixed borders and shrubbery. Plant in sunny places and poor soil.
Caudatus (Love-lies-Bleeding). Flowers in long drooping panicles, bright crimson. Height 2 ft.10
Melancholicus (Ruber). Blood-red leaves. Height 1 ft.10
Salicifolius (Fountain Plant). Leaves variegated. Purple crimson and gold. Height 3 ft.10
Tricolor (Joseph's Coat). Foliage red, green and yellow. Height 1 ft.10

ANAGALLIS

ANAGALLIS (Pimpernel). Mixed various colors. Free-blooming, attractive plant for borders. Height ½ ft.10

ARCTOTIS

This plant is not sufficiently grown. The beautiful flowers have a steely blue sheen, reflected from the back of the petals that gives them a delightful and unique appearance which no other composite possesses. It is one of the finest annuals for cutting. Try it this season. Sow early in order to get large plants and sheaves of flowers.



ARCTOTIS GRANDIS

ARCTOTIS GRANDIS. Plants are of easy culture, flower abundantly from early summer till fall. Height 2 to 2 ½ ft. \$0.10

ARGEMONE

ARGEMONE (Mexican Poppy). Mixed, white and yellow. Very showy. Height 2 ft.10

ARNEBIA

ARNEBIA CORNUTA (Arabian Primrose). B. Yellow, spotted with black or maroon. Height 1 ¼ ft.15

ASTERS

GERMAIN'S GIANT COMET

BRANCHING ASTERS

Even with the most expensive reproduction process it is difficult to convey the real beauty of the splendid development of the good old Aster. The iridescent coloring of these great chrysanthemum-like flowers nearly as large as a saucer, with beautiful curved petals, makes a brilliant display in the garden, and the fact that they will keep well as cut flowers for a week or ten days is especially appealing to the busy housewife. The Giant Comet is the finest among the loosely formed or ostrich feather type. The plants grow to a height of about 2 feet, are of full foliage and droop just enough for a graceful appearance. Planted from February to May, the Aster will furnish a continuous reward of gorgeous bloom from July to October. It grows easily, likes sunshine and a moderate amount of water.

GIANT COMET BRANCHING

	Pkt.		Pkt.
Crimson. Height 2 ft.	\$0.25	Rose. Height 2 ft.	\$0.25
Flesh. Height 2 ft. ....	.25	Shrimp Pink. ....	.25
Lavender. Height 2 ft. ....	.25	White. Height 2 ft. ....	.25
Purple. ....	.25	Mixed. Height 2 ft. ....	.15

Your Selection of Six from this Collection, \$1.00

Full Collection, \$1.25



GERMAIN'S GIANT COMET
BRANCHING ASTERS

OTHER VARIETIES

AMERICAN BEAUTY. (New) Long-stemmed, Branching variety.

This beautiful strain of recent introduction produces large full flowers on stout stems, petals are broad and incurved. For cutting, they are unsurpassed.

Lavender.	Pkt. \$0.25
Purple. ....	.25
Rose (New) ....	.25
September Pink. ....	.25

See Specialty Page 60.

AMERICAN BRANCHING.

Of American origin, this variety is a general favorite for its much branched habit and the excellence and size of bloom. Equally good for cutting or bedding.

Crimson. Height 1 1/2 ft.	Pkt. \$0.10
Flesh-pink. Height 1 1/2 ft. ....	.10
Lavender. Height 1 1/2 ft. ....	.10
Purple. Height 1 1/2 ft. ....	.10
Rose-pink. Height 1 1/2 ft. ....	.10
White. Height 1 1/2 ft. ....	.10
Mixed. Height 1 1/2 ft. ....	.10

COCARDEAU, or CROWN. White centers, mixed colors. Height 1 1/2 ft.10

NEW ROYAL ASTERS.

A new development of the early mid-season type, compact and free flowering. In our opinion the best all around early bedding aster. All colors mixed.10



ASTER
AMERICAN BRANCHING

ANNUALS

BALSAM

IMPATIENS BALSAMINA (Ladies' Slipper)

Good for flower beds, for mixed borders or for pots in the window garden or green-house. There is nothing that quite takes the place of the Balsam, as it is distinct from everything else in cultivation. Sow in February or March for use inside and in April in the open ground. Our strains are the finest selections from European and home grown varieties and cannot be excelled.



Double Rose-Flowered. Mixed. Height 2 ft.	Pkt. \$0.10
Camellia-flowered. Pink. 2 ft.	.10
Camellia-flowered. Scarlet. 2 ft.	.10
Camellia-flowered. White. 2 ft.	.10
Camellia-flowered. Mixed. Height 2 ft.	.10
Solferino. White, shaded with scarlet and lilac. Hgt. 2 ft.	.10

BARTONIA

BARTONIA AUREA. Yellow. Height 1 ft.	Pkt. .10
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BRACHYCOME

This is a dwarf and profuse flowering annual, fine for cutting. Sow it in a sunny position and cut flowers every day for three months. Known also as the Swan River Daisy.

BRACHYCOME IBERIDIFOLIA. Cineraria-like flowers. Native of Western Australia. Mixed. Height 1 ft.	Pkt. .10
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BROWALLIA

(Amethyst)

BROWALLIA ELATA. Hh. A favorite bedding plant, flowers a unique blue and white. Height 1 1/2 ft.	Pkt. .10
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CACALIA

CACALIA COCCINEA (Flora's Paint Brush). B. Scarlet. Height 1/2 ft.	Pkt. .10
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CALCEOLARIA

The splendid hybrids of Calceolaria that have been raised by European specialists, are among the finest pot plants in existence. These must not be confounded with the old yellow and brown varieties used for bedding. Our strain is absolutely the finest obtainable. Sow at intervals from June to August and treat as advised for Cinerarias.

CALCEOLARIA HYBRIDA SUPERBA. T. Beautifully blotched, mottled and striped. Height 1 1/2 ft.	Pkt. \$0.50
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CALENDULA

CALENDULA OFFICINALIS (Pot Marigold). Easyculture. Lemon Queen.	Pkt. \$0.10
Orange King.	.10
Mixed.	.10

CALIFORNIA POPPY

(Eschscholtzia) See pages 59, 83.

CALLIOPSIS

If the varieties of Calliopsis were rare and high priced, people would rave about their beauty, but as they are so cheap and easily grown, they are often passed by unnoticed. The lovely combinations of yellow and brown are not excelled in any other plant and they have an elegance and grace all their own. Sow at any time of the year and in any position or soil.

Bicolor, yellow, maroon center.	Pkt. \$0.10
Crimson King, dark crimson.	.10
Golden Wave.	.10
Mixed.	.10

CENTAUREA

Everyone knows and likes the old fashioned "Sweet Sultans". Known also as Bachelor's Buttons, Blue Bottle, Ragged Sailor, Bluet and Ragged Robin. In a variety of colors, they are great favorites of the florists, and they are also fine for the home garden, treated like any hardy annual. While they do fairly well in poor soil, no plant responds better to liberal treatment. The common Cornflower, Centaurea Cyanus, is decidedly the finest of all blue flowered annuals and a favorite wherever grown. Too good to miss and of the easiest possible culture. Sow anywhere at any time.

CENTAUREA CYANUS. Blue. Height 2 ft.	Pkt. \$0.10
Double blue. Height 2 ft.	.10
Pink. Height 2 ft.	.10
White. Height 2 ft.	.10
Mixed. Height 2 ft.	.10

CENTAUREA IMPERIALIS is an improvement on the old-fashioned "Sweet Sultan"; height 2 ft.	Pkt. .10
Brilliant Rose.	.10
Lavender.	.10
Purple.	.10
White.	.10
Mixed.	.10
Suaveolens, Yellow.	.10

ANNUALS

CANDYTUFT

(Iberis Umbellata)

Fine plant for cutting. Good for massing or bedding and an easily grown, free flowering subject. The newer varieties are not to be compared with the older small flowering kinds, beautiful as these undoubtedly are, and no garden is complete without some at least.

Carmine. Height 1 ft.	Pkt. .10
Crimson. Height 1 ft. ....	.10
Flesh Color. Height 1 ft. ....	.10
Lavender. Height 1 ft. ....	.10
Rose Cardinal. Height 1 ft. ....	.10
Mixed. ....	.10
Giant Empress. White. ....	.10
Giant Hyacinth Flower. White. ....	.10

CATCHFLY

See *Silene Armeria*, page 69.

CELOSIA

This is the botanical name of the well-known cox-comb or Prince's Feather. The former, *C. cristata*, is a stiff, formal plant, bearing immense "combs" of brilliant colors. The latter, *C. pyramidalis*, is more graceful and equally bright. Raise the seeds in a gentle heat if possible in early spring and extra large plants will result. Any kind of soil suits them and plenty of sun.

Cristata Empress. Dwarf, crimson, splendid. Height Pkt. 3/4 ft.	\$0.15
Glasgow Prize. Crimson. Height 1 ft. ....	.15
Finest Mixed. Height 3/4 to 1 ft. ....	.10
Pyramidalis. Mixed. Height 2 ft. ....	.10
Thompsoni Magnifica. Beautiful plumed celosia, ranging in color from golden yellow to blood-red—Mixed. ....	.15
Chinese Wool-Flower (<i>Celosia Childsii</i>) See page ....	.25

CHRYSANTHEMUM

(ANNUAL) Painted Daisy

The annual Chrysanthemums must not be confounded with the autumn flowering Chrysanthemum or Pyrethrum Sinense of botanists. They are showy, effective plants of the easiest possible culture, requiring only to be sown in the position where they are to flower and thinned to 9 inches apart. They make a fine display all the summer.

Carinatum Burridgeanum. White, with crimson ring. Height 2 ft. ....	.10
Carinatum W. E. Gladstone. Rich crimson. Height 2 ft. ....	.10
Carinatum. The Sultan. Scarlet. ....	.10
Carinatum Tricolor. (Painted Daisies). Mixed. ....	.10
Carinatum Double. Mixed. ....	.10
Coronarum. Double White. Height 2 ft. ....	.10
Coronarum Double. Yellow. ....	.10
Coronarum Double. Mixed. ....	.10
Segetum, Eastern Star. Yellow with brown disc. ....	.10
Segetum, Evening Star. Yellow, light center. ....	.10

CINERARIA

Although in this favored southland, the Cineraria thrives outdoors in semi-shaded positions, it is as a greenhouse or window plant it is best known. Continental hybridists have been for years working on this flower and we annually add the best from these raisers to our own well known strain. Our seed plants are raised under the strictest surveillance of experts who are quick to note anything not up to the high standard set. The Cineraria dislikes heat at any time and must be always in a cool, moist atmosphere with plenty of air. Green fly or aphids its worst insect enemy and must be destroyed on sight by light fumigation or dipping in one of the nicotine preparations sold by us. Sow at various times from May to August for winter and spring flowering.

CINERARIA GRANDIFLORA HYBRIDS	Pkt.
Antique Rose.	\$0.50
Lustrous Red. ....	.50
Dark Blue. ....	.50
Sky Blue. ....	.50
Mixed. ....	.50
CINERARIA HYBRIDS, mixed. ....	.25

CLARKIA

A fine annual of easy culture, growing 2 ft. high with leafy ramifications of double flowers in a wonderful range of color. Lasts well when cut and all buds open in water. Succeeds in sun or shade.

Apple Blossom. (New).	\$0.10
Firefly. ....	.10
Purple King. ....	.10
Rose. ....	.10
Salmon Queen. ....	.10
Vesuvius (Scarlet Beauty). ....	.10
Fine Mixed (All Kinds). ....	.10
Collection of 6 separate colors.40

COLLINSIA

COLLINSIA BICOLOR. Purple and white. Height 1 ft.10
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CONVOLVULUS

CONVOLVULUS MINOR (Dwarf Morning-glory). Mixed colors. Height 1 ft.10
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CORNFLOWER (See Centaurea)

Due to market conditions, all prices

COSMOS

Cosmos is one of the most popular flowers for table decoration. The Mammoth varieties keep up a succession of bloom for a long period, and as they are fall flowers it is almost impossible to have flowers of the late variety in early spring. The early varieties can be had in bloom in early spring by fall sowing.

GERMAIN'S EARLY LARGE FLOWERING

Crimson. ....	.10
Rose. ....	.10
White. ....	.10
Mixed. ....	.10

MAMMOTH AUTUMN FLOWERING

Lady Lenox Giant Pink. With over-lapping petals, perfectly shaped flowers of deep rosy-pink on long stems. Perhaps the finest of all cosmos. ....	.10
Lady Lenox Giant White. Differing from the above only in color. ....	.10
Mammoth Crimson. A fit companion to Lady Lenox cosmos. ....	.10
Klondyke. The popular large golden yellow. ....	.10

NEW DOUBLE CRESTED

Crimson. ....	.25
Pink. ....	.25
White.25
Mixed.25



COSMOS

DATURA

DATURA HUBERIANA. Hh. Double Mixed. Height 3 ft.10
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DIMORPHOTHECA

Exactly suited to the climate of Southern California, the yellow African Daisy is a showy, beautiful dwarf annual, with orange yellow flowers, much more easily and quickly grown than the Gazania, so much used for parkings and narrow borders. A gem that should be in all gardens.

Dimorphothecca Aurantiaca.	\$0.10
Hybrids, Mixed. ....	.10

EUPHORBIA

Variegata. (Snow on the Mountain). Foliage veined and margined with white. Very effective in the garden or mixed in bouquets. Height 2 ft.10
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EUTOCA

EUTOCA. Mixed. B. Various colors. Height 1 ft.10
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GILLIA

Tricolor. Violet shading to white, yellow throat.10
Dwarf Sorts. Mixed.10

are subject to change without notice

ANNUALS

GODETIA

Native to the State of California, this annual has been improved out of all knowledge of the earlier botanists. The colors are exquisite and the texture of the flowers silky and attractive in the extreme. The varieties are not nearly as well known as they deserve. Sow where they are to flower.

- Pkt.
- Apple Blossom.** Dwarf pink and white..... \$0.10
- Crimson King.** Glowing crimson..... .10
- Duchess of Albany.** Large white. Height 1 ft..... .10
- Gloriosa.** Dark blood-red with satin luster. Height ¾ ft..... .10
- Lady Albermarle.** Dark crimson. Height 1½ ft..... .10
- Lindleyana.** Rosy Lilac. Height 1 ft..... .10
- The Bride.** Crimson and white. Height 1 ft..... .10
- Finest Mixed.** Height 1½ ft..... .10

GYPSOPHILA

We sell large quantities of this pretty annual to florists who grow it for mixing with Sweet Peas and other flowers. It thrives in any garden soil and flowers freely in a much shorter time than is needed to perfect the old perennial kind. Sow at intervals where the plants are to flower. Any position or exposure suits it.

- Pkt.
- Gypsophila Grandiflora Elegans.** B. Pure white. Very graceful. Height 1½ ft. See also Perennials..... \$0.10
- Rosea.** Height 1½ ft..... .10

HELIANTHUS

Ornamental double varieties of the well known Sunflower. Good for backgrounds.

- Pkt.
- Californicus.** Double. Height 6 ft..... \$0.10
- Cucumberfolius.** "Stella." Single golden yellow with black center. Height 3½ ft..... .10
- Globosus fistulosus.** Double quilled. Height 6 ft..... .10
- Nanus.** Dwarf; double. Height 3 ft..... .10
- Sulton's Red.** (Single)..... .25

HIBISCUS

HIBISCUS AFRICANUS. Yellow, with dark center. Height 2 ft. See also Perennials..... .10

ICE PLANT

ICE PLANT (*Mesembryanthemum crystallinum*). White. Trailer..... .10

KAULFUSSIA

KAULFUSSIA AMELLOIDES (Cape Marguerite). B. Mixed. Height 1 ft..... .10

KOCHIA

The Summer Cypress is not so well known in California as in the East, where it is freely used for a hedge around gardens or to divide lots. The plant makes a globular head that in summer is green and in the fall turns to a deep red, which is most attractive. Very easily grown.

- Pkt.
- CHILDSI.** (Summer Cypress)..... \$0.10

LARKSPUR

The annual Larkspurs, though not so majestic looking as the perennial or herbaceous kinds, are among the prettiest of easily grown garden plants. They grow about 2 feet high and are favorites everywhere.

- Pkt.
- Double Stock Flowered.** Dark Blue..... \$0.10
- Double Stock Flowered.** Lilac..... .10
- Double Stock Flowered.** Lustrous Carmine..... .10
- Double Stock Flowered.** Shell Pink..... .10
- Double Stock Flowered.** Sky Blue..... .10
- Double Stock Flowered.** Pure White..... .10
- Double Stock Flowered.** Mixed..... .10

LAVATERA

LAVATERA TRIMESTRIS. Red. Height 2½ ft..... .10

LIMNANTHES

LIMNANTHES DOUGLASSII. Sometimes called Yellow Nemophila. Yellow. Height 1-3 ft..... .10

LINUM

LINUM GRANDIFLORUM RUBRUM (Crimson Flax). Crimson. Unsurpassed for brilliancy and duration of bloom. Height 1 ft..... .10

- Roseum.** A pretty Rose color..... .10

LOBELIA

Everyone knows the blue Lobelia, used so much for ribbon borders and now so much in favor for hanging baskets or pots. Dwarf or trailing all are free flowering. The seed is extremely fine and must not be covered deeply—see also perennials.

- Pkt.
- Crystal Palace Compacta.** Rich dark blue; dark foliage. Best dark blue for borders or bedding..... \$0.10
- Emperor.** Sky blue, compact and free flowering..... .10
- Erinus.** White. Most effective in contrast with the blue varieties..... .10
- Hybrida Pendula Hamburgia.** Blue, distinctly trailing in habit. Fine for hanging baskets..... .15
- Hybrida Pendula Sapphire.** Deep blue, pronounced white eye, habit same as above..... .15
- Hybrida Pendula Miranda.** Crimson Rose, with white eye. A well grown basket of this delightful trailing plant is a wonderful sight..... .15

LUPINUS

See also Perennials.

- Mixed Annual Varieties.** B. Height 2 to 3 ft..... .10
- Nanus.** Dwarf, blue. Height ½ ft..... .10

MALOPE

MALOPE GRANDIFLORA PURPUREA. Reddish purple. Height 2 ft..... .10

MARIGOLD

Favorite showy plants for mixed borders. See also Calendula



AFRICAN MARIGOLD

CULTURE—Marigolds are hardy annuals and old favorites in our gardens. They are all showy, especially in masses. Sow the seed broadcast, or in rows in well spaded and finely prepared soil, covering not more than one-eighth inch deep, and thin out to 6 or 10 inches apart.

- Pkt.
- African Orange Ball.** Perfect Ball-shaped flowers of a rich deep golden orange; tall stems; the finest of all. 2½ ft... \$0.15
- African Lemon Queen.** Lemon yellow; similar in all but color to orange ball. Grown together they form a striking combination..... .15
- African Mixed**..... .10
- French Dwarf Orange.** Double. 1 ft..... .10
- French Dwarf Dark Brown.** Double. 1 ft..... .10
- French Dwarf Legion of Honor.** Single golden yellow, velvety Brown center. ¾ ft..... .10
- French Dwarf Double Mixed**..... .10

MATHIOLA

Mathiola bicornis, or the Night Scented Stock, is a delightful little plant for edgings or small borders. No one who grows it once, cares to be without it afterwards.

- Pkt.
- MATHIOLA BICORNIS** Purple; fragrant. Height ½ ft. \$0.10

MESEMBRYANTHEMUM

MESEMBRYANTHEMUM TRICOLOR (Dew Plant). For edge or rockwork. Purple, rose and white. Trailer.... .10

ANNUALS

MIGNONETTE



MIGNONETTE

CULTURE—This well known plant, is in fact a small annual shrub and grows wild on the sandy shore of Algiers. The name Mignonette is French and stands for "Little Darling." No garden should be without this sweet little plant. Sow in any good garden soil, deeply spaded, covering the seed its own depth and keeping moist.

- | | | |
|--|------|-----|
| Machet, Extra Select. An improved form of this large flowered, sturdy variety. Deservedly the most popular for the size and substance of its flower stalks and the intense fragrance of its flowers..... | Pkt. | |
| Victoria, Giant Red. Shows a brilliance of color which is truly surprising in this class of plants..... | | .10 |
| White Goliath. (New). This new mignonette has very large spikes of flowers which might well be called double as the individual florets are larger and much fuller than in older varieties, presenting almost solid columns of white. It is excellent for cutting and rich in fragrance..... | | .25 |
| Odorata. The sweet-scented favorite of old-time gardens.. | | .10 |
| Mixed | | .10 |

NEMOPHILA

- (Love Grove). Charming California annuals for borders.
- | | | |
|--|--|-----|
| Insignis (Baby Blue Eyes). Beautiful sky blue. Height ½ ft..... | | .10 |
| Maculata. Large, white with purple blotch. Height ½ ft..... | | .10 |
| Fine Mixed. Height ½ ft..... | | .10 |

NICOTIANA

- | | | |
|---|--|-----|
| Affinis (Ornamental Tobacco). White and fragrant. Height 3 ft..... | | .10 |
| Sanderae. Pink. Large flowering hybrids, very showy, profuse bloomer, easily raised from seed..... | | .10 |
| Mixed. All colors..... | | .10 |

NIGELLA

- (Love-in-a-Mist or Devil-in-the-bush). B. Singular flowers, the upper petals being reflexed to resemble horns.
- | | |
|---|-----|
| Damascena, Miss Jekyll. Double rich deep blue, contrasting well with the light green feathery foliage..... | .10 |
| Damascena, Double White | .10 |
| Damascena, Double Mixed. Blue and white..... | .10 |

NASTURTIUM

Singularly suitable for growing on poor sandy soils where few things thrive. The dwarf kinds will make a glorious display on a sand bank or any comparatively useless patch of soil, while the climbing or vining varieties run a wild riot over anything unsightly in the garden or are good for temporary summer shade on porches and verandas. Beside the showy blossoms, the foliage makes a piquant salad much liked by many people, while the seeds, if gathered green, are fine for pickling. A plant of so many points can hardly fail to be popular. Sow the seed an inch deep, where the plants are to remain, as it is not an easy subject to transplant.

- | | | |
|--|------|--------|
| NASTURTIUM, TOM THUMB (See page 83) | Pkt. | |
| Bronze. Distinct golden bronze. Height 1 ft..... | | \$0.10 |
| Chameleon. A fine variety producing different flowers on the same plant. Height 1 ft..... | | .10 |
| Cloth of Gold. Light scarlet, yellow foliage. Height 1 ft. | | .10 |
| Empress of India. Dark leaves and crimson flowers. Height ¾ ft..... | | .10 |
| Golden King. Dark foliage. Height 1 ft..... | | .10 |
| King of Tom Thumbs. Dark foliage, scarlet flowers. Height 1 ft..... | | .10 |
| King Theodore. Nearly black. Height 1 ft..... | | .10 |
| Ladybird. Orange-yellow, red spots. Height 1 ft..... | | .10 |
| Pearl. White. Height 1 ft..... | | .10 |
| Prince Henry. Cream, spotted and tipped carmine..... | | .10 |
| Regalianum. Purplish violet. Height 1 ft..... | | .10 |
| Rose | | .10 |
| Ruby King. Light ruby-red. Height 1 ft..... | | .10 |
| Scarlet. Height 1 ft..... | | .10 |
| Vesuvius. Salmon rose with dark foliage..... | | .10 |
| Finest Mixed. Height 1 ft..... | | .10 |

NASTURTIUM (TALL)

Thrives well in poor soil and covers quickly fences or bare spots in the landscape. The remarks on the dwarf varieties under "annuals" are also applicable to the tall ones.

- | | | |
|--|------|--------|
| Butterfly. Bright sunflower yellow, spotted delicate salmon pink..... | Pkt. | \$0.10 |
| Chameleon. A new variety, has flowers of different colors on same plant. Hgt. 6 ft..... | | .10 |
| Dark Crimson. Height 6 ft..... | | .10 |
| Edward Otto. Brownish lilac. Height 6 ft..... | | .10 |
| Hemisphericum. Golden yellow, marbled salmon rose... | | .10 |
| King Theodore. Dark maroon, with dark leaves; extra fine. Height 6 ft..... | | .10 |
| Orange. Height 6 ft..... | | .10 |
| Pearl. Creamy white. Height 6 ft..... | | .10 |
| Regalianum. Purplish violet. Height 6 ft..... | | .10 |
| Scarlet. Height 6 ft..... | | .10 |
| Schulzi. Rich deep scarlet, noted for its dark foliage.... | | .10 |
| Vesuvius. Salmon-rose, dark-leaved; splendid. Hgt. 6 ft | | .10 |
| Yellow. Height 6 ft..... | | .10 |
| Finest Mixed. Height 6 ft..... | | .10 |
| Ivy Leaved Tall Mixed. The leaves are of a rich green, veined with white..... | | .10 |
| Lobbianum. Tall mixed. Lobb's choice mixture contains a number of especially rich shades; deep red, glowing scarlet, crimson, are the prevailing colors. The vines are strong, grow tall and flower abundantly..... | | .10 |

NEMESIA

- | | | |
|--|------|--------|
| NEMESIA GRANDIFLORA STRUMOSA. Mixed. Sow in March in boxes or seed bed and transplant 6 inches apart each way. Height 6 inches..... | Pkt. | \$0.25 |
|--|------|--------|

NOLANA

- | | | |
|---|--|-----|
| NOLANA. Fine Mixed. Trailer..... | | .10 |
|---|--|-----|

PANSY

(See page 80)

PERILLA

- | | | |
|--|--|-----|
| PERILLA NANKINESIS. Hh. Very dark leaves. Height 1½ ft. | | .10 |
|--|--|-----|

Dutch Bulbs

Afford the richest field for beautiful decorative effects for the least labor. Any woman will enjoy the care of these aristocratic plants and revel in the beauty of the waxy flowers and richness of perfume. We are the largest importers in the West. Special Bulb Catalog is usually ready about October first. Write for it.

ANNUALS

PHLOX

CULTURE—Phlox is an extensive and interesting genus of invaluable hardy annuals, producing fine clusters of flowers in a variety of colors which includes white, pink, rose, purple, and scarlet. Some of the scarlets have pure white eyes and each year new varieties are added to the list. The only treatment required is to sow the seed where the plants are wanted to grow, and for perfection of flowers, thin out to one foot apart each way.



ONE OF OUR FIELDS OF PHLOX

PHLOX DRUMMONDII. Showy bedding plants.	Pkt.	
Bright Scarlet. Height 1 ft.	.....	\$0.10
Pink. Height 1 ft.	.....	.10
Chamois Rose. Height 1 ft.	.....	.19
White. Height 1 ft.	.....	.10
Fine Mixed. Height 1 ft.	.....	.10
Large-flowering. Fine mixed. Height 1 ft.	.....	.15
Very Dwarf, Extra Fine Mixed. Height ½ ft.	.....	.10
Cuspidata (Star Phlox). Mixed. Height 1 ft.	.....	.10

PLATYSTEMON

PLATYSTEMON CALIFORNICUS (Cream Cups). Yellow.	
Height 1 ft.	..... .10

PORTULACA

For exhibiting a display of dazzling brilliancy the Portulaca is unrivalled. It revels in sunshine, and will stand quite a degree of drought.

CULTURE—The Portulaca may well claim a prominent place in our garden. A large bed or border presents a gay appearance of dazzling brilliancy. They are best sown in February and March, as they grow with great rapidity in warm weather. Sow the seed very shallow in a sunny situation. Keep moist but never overwater.

Single. Crimson. Height ½ ft.	.....	.10
“ Scarlet. Height ½ ft.	.....	.10
“ White. Height ½ ft.	.....	.10
“ Yellow. Height ½ ft.	.....	.10
“ Mixed. Height ½ ft.	.....	.10
Double. Golden. Height ½ ft.	.....	.19
“ Pink. Height ½ ft.	.....	.19
“ Scarlet. Height ½ ft.	.....	.10
“ White. Height ½ ft.	.....	.10
“ Mixed. Height ½ ft.	.....	.10

POPPY

CULTURE—There can be no stronger and better proof of the beauty of this flower than the extent to which the varieties are grown. No other flower will produce such gorgeous brilliancy for bedding purposes. Sow the seed in beds where it is required, as it does not transplant easily. Cover it its own depth. Keep moist and thin out to six or eight inches apart. Height, except where noted, 2 to 3 feet.

See also list of Perennials.

SINGLE ANNUAL POPPIES.

Admiral. Glistening white, with a broad band of bright scarlet round the smooth edged petals.	.....	.10
Danebrog. (Danish or Victoria cross poppy). Scarlet with white blotch at base of each petal, forming a perfect cross	.....	.10
Miss Sherwood. The flowers are from 4 to 5 inches across, pure satiny white, tinged with chamois rose.	.....	.10
Shirley, American Legion. For complete description of this new, striking Flanders' poppy, see List of Novelties. 3 Pkts. for \$1.00	.....	.35
Shirley, Blue Shades.	.....	.25
“ Rose Pink.	.....	.25
“ Mixed. A distinct race, containing a wide range of color.	.....	.10
“ Santa Rosa Strain. The best and most varied strain in existence.	.....	.10
Tulip Poppy. (Papaver Glaucum) Vivid scarlet, an improved form of the red Flanders' poppy. Height 1½ ft.	.....	.10
Umbrosium. (The Caucasian Poppy) A glowing scarlet-crimson. Height 1½ ft.	.....	.10

DOUBLE ANNUAL POPPIES.

Carnation Flowered, double white. A large pure white double form of the opium poppy with petals beautifully fringed and curled.	.....	.10
Carnation Flowered, Double Mixed. Large fringed flowers ranging in color from pure white to the deepest crimson.	.....	.10
French or Ranunculus flowered, double. The double form of Flanders' poppy. Mixed.	.....	.10
Mikado. (Striped Japanese Poppy) White and crimson. Double fringed.	.....	.10
Paeony flowered. Immense flowers, closely resembling the double paeony in form; splendid colors in great variety.	.....	.10
Shirley, Double Eldorado. New salmon shades.	.....	.25
Shirley double Eldorado. New pink shades.	.....	.25
Shirley double Eldorado. New shades mixed.	.....	.25
Shirley double Ryburgh's New Hybrids.	.....	.25



BEGONIA—Tuberous-rooted Double. See page 76.

ANNUALS

RICINUS

- Cambodgensis.** (Ornamental Castor Beans). Leaves and stems nearly black; very fine. Height 5 ft.10
Sanguineus. Blood-red foliage. Height 6 ft.10

SALPIGLOSSIS (Painted Tongue)



SALPIGLOSSIS GRANDIFLORA

SCABIOSA

(Mourning Bride or Pin Cushion Flower)

CULTURE—No "old fashioned" flower bed is complete without this sweet and dignified flower; and alone it is a worthy addition to any garden. Free blooming, hardy double annual. It succeeds in any ordinary garden soil. Handsome flowers growing to a height of two feet and fine for cutting. Sweet scented. An excellent border plant. Sow the seed ¼ inch deep, keep moist, never water so much that soil becomes soggy.



SCABIOSA

- | | |
|--|------------|
| Azure Fairy. Delicate Lavender..... | Pkt. 50.10 |
| Cherry Red. A bright cerise..... | .10 |
| Dark Purple. Velvety Black purple..... | .10 |
| Fiery Scarlet. Brilliant Crimson scarlet..... | .10 |
| Flesh. A pleasing shade of light pink..... | .10 |
| Rose. Soft rose color..... | .10 |
| White. (Snowball) Pure white..... | .10 |
| Yellow. Golden straw..... | .10 |
| Mixed. All colors..... | .10 |
| Dwarf Mixed. Height 1 ft..... | .10 |

SCHIZANTHUS

The Schizanthus has been greatly improved by selection and hybridizing in recent years, and when gardeners awake to its many merits, it will increase rapidly in popularity. Not only are the flowers bright and telling, but the foliage is deeply cut and serrated like a fern, each plant forming as it were, a complete bouquet. It has been aptly termed the "Poor man's Orchid" as it closely resembles some of these aristocratic flowers. Sow in pots or boxes and transplant to good soil in the open, from February to May. Also fine for pot culture in the greenhouse.

- | | |
|---|----------|
| Finest Mixed. Height 1 ¼ ft..... | Pkt. .10 |
| Wisetonensis Hybrids Mixed | .10 |
| Garaway's Hybrids. See list Novelties..... | .25 |

SUNFLOWER (See Helianthus)

SWEET SULTAN (See Centaurea)

SWEET PEAS See pages 73 and 74

TORENIA

- TORENIA FOURNIERI.** T. A valuable plant for pots, baskets or borders. Violet, with lilac and yellow. Height ¾ ft.15

VENUS' LOOKING GLASS

- VENUS' LOOKING-GLASS.** Pretty bell-shaped flowers; blooming profusely, well adapted for edging and hanging-baskets. Blue. Height ¾ ft.10

Not one amateur gardener in a hundred knows this splendid annual, one of the most magnificent of all. The throat of the flower is beautifully lined and marked with rich velvety tints like an exquisite Gloxinia, but the plants are so free flowering that armfuls of blossoms can be gathered daily from a small bed or border. They are graceful and exquisite, especially suitable for table decoration. Sow thinly where they are to bloom and thin to 1 foot on poor soil and 18 inches on good. Try them this season. They like plenty of sun, which does not spoil the color as in some other flowers.

SALPIGLOSSIS GRANDIFLORA.

- | | |
|--|------------|
| Chamois. | Pkt. 50.10 |
| Crimson and Gold | .10 |
| Deep Maroon | .10 |
| Purple and Gold | .10 |
| Rose and Gold | .10 |
| White and Gold | .10 |
| Collection of 6 above varieties | .50 |
| Finest Mixed All Colors | .10 |

SANVITALIA

- Profuse-blooming trailing plants for beds, rockwork, etc. Sometimes called Trailing Sunflower.
Double Yellow. Traller..... .10
Procumbens. Single Yellow. Traller..... .10

SAPONARIA

- SAPONARIA CALABRICA** (The Calabrian Pink or Soapwort). Pink. Height ½ ft.10

SILENE

Used as a carpeting for bulbous plants in spring. There is no other annual plant so effective as *Silene pendula compacta* for this purpose. Sow in August or September. For summer blooming, sow in March.

- | | |
|--|------------|
| Armeria, Catchfly | Pkt. 50.10 |
| Compacta. Double red. Height ¾ ft..... | .10 |
| Pendula compacta. Red. Height ¾ ft..... | .10 |

ANNUALS

VIRGINIAN STOCK

VIRGINIAN STOCK. Mixed. Height ½ ft. \$0.10

VISCARIA

Coell-Rosea (Rose of Heaven). Pink. Height ¾ ft.10
Elegans picta. Rose and scarlet. Height 1 ft.10
Oculata. Rose, dark eye. Height 1 ft.10

WHITLAVIA

A California plant, cultivated in Europe for many years. Of the easiest culture, producing in great profusion flowers not unlike those of the canterbury bell.

Grandiflora. Violet. Height ½ ft.10
Gloxiniodes. White and blue. Height ½ ft.10

STOCKS

These popular flowers are unrivalled for garden display and our strain of Giant Perfection is without doubt the finest obtainable, growing to a height of 2 feet, and producing long spikes of highly fragrant flowers and a larger percentage of double than any other strain grown.

CULTURE—For a splendid display in summer, sow in February and March, continuing to sow at intervals for a succession of bloom. Sow in June and July for winter cutting and even later than this in warm localities. The soil should be carefully prepared, three parts of light loam to one each of leaf mold and sharp sand, being an ideal mixture, though any good garden soil will do. Sift this and put the rougher parts in the bottom of the flats or pans. Then fill up with the finer part, allowing room for watering. Sow the seed thinly as a pinch of seed produces hundreds of plants. As soon as sown, cover with about one-eighth of an inch of fine soil and over this place a piece of burlap or old gunny sack and keep moist. Watch closely and remove the covering at once when the seedlings appear and gradually shift to sun to harden. In a few weeks, the little plants will be large enough to transplant.

GIANT PERFECTION TEN-WEEK	Height	Pkt.
Flery Crimson	2 ft.	\$0.15
Flesh Color	2 ft.	.15
Rose	2 ft.	.15
Light blue	2 ft.	.15
Dark blue	2 ft.	.15
Yellow	2 ft.	.15
White	2 ft.	.15
Mixed	2 ft.	.10

LARGE FLOWERED TEN-WEEK.	Height	Pkt.
Blood Red	2 ft.	.10
Brilliant Rose	2 ft.	.10
Crimson	1 ft.	.10
Light blue	1 ft.	.10
Purple	2 ft.	.10
White	1 ft.	.10
Mixed	1 ft.	.10

PRINCESS ALICE.
Cut and Come Again (white)..... 1½ ft. .15
Winter flowering Stocks. See perennial Section.



ZINNIA

(Youth and Age)

The Zinnia is so easily grown that it is apt to be left alone after sowing, to look after itself, and this it will do to an extent that is quite surprising. But give it the same attention that is given to other and less valuable flowers and there is nothing that can equal it for gorgeous beauty. Our Mammoth strain produces flowers as large as the finest Dahlias, magnificent in petalage and of the brightest imaginable coloring. To get this splendid effect, prepare the soil with care and use plenty of well decayed manure which must be well incorporated as the digging proceeds. Then sow the seeds where they are to flower. The finest Zinnias are always from plants that have not been transplanted. Thin to 18 inches apart or less, if the soils poor. Cultivate the ground between the plants regularly, give water in abundance in dry weather and grand results will be obtained. The flower lasts a long time looking cheerful until the seed is quite ripe. The fact of the flowers remaining so long perfect has given the plant one of its common names "Youth and Old Age."

There is no better strain of Zinnias in existence than that offered.

GERMAIN'S MAMMOTH STRAIN OF ZINNIAS	Height	Pkt.
Giant Burnt Orange, double	3 ft.	\$0.25
Canary Yellow	3 ft.	.25
Crimson	3 ft.	.25
Flesh	3 ft.	.25
Pink Shades	3 ft.	.25
Purple Shades	3 ft.	.25
Salmon Shades	3 ft.	.25
Scarlet	3 ft.	.25
White	3 ft.	.25
Germain's collection of 8 giant zinnias		1.50
Mixed	3 ft.	.15
Dwarf, Double mixed	1 ft.	.10

LILLIPUT MIXED. A perfect border plant. During the entire season these sturdy little plants, scarce a foot high, remain covered with a mass of perfectly shaped double flowers not over an inch across. They are exceedingly bright in color and make an ideal border.25

ZINNIA ELEGANS. Finest double mixed..... 2 ft. .10



SEEDS OF CLIMBING PLANTS

Nothing lends such a charm to the home as vines and climbers. A vine clad porch or veranda on a hot day is a pleasant place. Vines soften ugly, hard lines in architecture, hide 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.

COLLECTIONS (Our Selection) **12 Beautiful Varieties, Climbing and Trailing Plants**..... \$0.75
6 Beautiful Varieties Climbing and Trailing Plants..... \$0.35

ADLUMIA

ADLUMIA CIRRHOSA. P. The graceful Allegheny Vine; Pkt. also Mountain Fringe. Pink. Height 8 ft..... \$0.10

AMPELOPSIS

This is the well known Boston Ivy, a plant known from coast to coast. It clings with great tenacity to anything within reach of the little tentacles, produced from the stem. In summer, the foliage is deep green; in autumn it turns to the most delightful tints. The seed may be sown at any time of the year.
AMPELOPSIS. Veitchii (Japan Ivy). P. Height 50 ft... .10

ANTIGONON

Planted in a sunny location, where it can ramble at will, there is not a more beautiful plant in existence than the Mexican Rosa de Montana. Nearly always in flower; the blossoms are like those of a rosy pink Begonia, but borne in the greatest profusion all over the plant. Will not thrive in a shady position.
ANTIGONON LEPTOSU...... .15

ARISTOLOCHIA

A. elegans is the newer of the two and is a twiner with small leaves and gorgeously colored flowers, freely produced. It has none of the unpleasant odor complained of in the older *Aristolochias*. *A. Siphio* is not so remarkable for its flowers, but the foliage is grand, its great leaves of the deepest green being among the finest things known in horticulture.
Elegans. Hhp. Chocolate and purple. Height 30 ft.... .10
Siphio (Dutchman's Pipe). P. Very odd-looking and interesting. Yellow and brown. Height 40 ft..... .10

AUSTRALIAN PEA VINE

See *Dolichos lignosus*.

BALLOON VINE

BALLOON VINE. Hha. Bears a pretty, inflated capsule. White and green. Height 8 ft..... .10

BIGNONIA

(Trumpet Vine). P. Sometimes classed with *Tecoma*. Robust, hardy. Very ornamental.
Radicans. Orange-scarlet. Height 15 ft..... .10
Tweedia. Bright Yellow; evergreen. Height 20 ft.... .10

CALAMPELIS

(*Eccremocarpus*)

Scabra. P. Deep Orange. A valuable climber to cover trellises. Height 6 ft..... .10

CANARYBIRD FLOWER

CANARYBIRD FLOWER (*Tropaeolum peregrinum*). Hha. A charming annual vine with delicate foliage. Flowers yellow. Height 8 ft..... .10

CARDINAL CLIMBER

Ipomea Hybrid. It is one of the most striking climbers yet introduced. Grows to a height of 30 feet with attractive green foliage covered with a blaze of bright cardinal red flowers. A warm, sunny locality is best. Soak the seed in hot water over night, sow in boxes and transplant..... .15

CLEMATIS

The beauty of the Clematis or Virgin's Bower is well known, but the plants are not as freely used as they ought to be. The new hybrid forms give a variety of color and size, some magnificent things having appeared among them, but there is not a single Clematis of any sort or kind that is not well worth its place in any garden. The seed takes a long time to germinate.

Jackman's New Hybrids. Mixed. Height 10 ft..... .25

Among the newer strains of large flowering clematis there are none to surpass these famous hybrids. The flowers are of enormous size, in a wide range of colors especially rich in dark purple and blue.

Paniculata. Hardy perennial, massed with sweet scented white flowers..... .10

CLIANTHUS

CLIANTHUS PUNICEUS (New Zealand Parrot's Bill). P. A very handsome climber. Bright scarlet. Hgt. 6 ft..... .15

COBAEA

P. Rapid-growing bell-shaped flowers.

Alba. White. Height 20 ft..... .10

Macrostemma. Yellowish green, tipped with violet; stamens of enormous length. Height 15 ft..... .15

Scandens. Purple. Height 20 ft..... .10

A—Annual

P—Perennial

CONVOLVULUS

A. The well-known Morning-Glories. Pkt.
Major, Blue. Height 10 ft..... \$0.10
Crimson. Height 10 ft..... .10
Double. White-veined purple. Height 10 ft..... .10
Pink. Height 10 ft..... .10
White. Height 10 ft..... .10
Mixed. Height 10 ft..... .10

CYPRESS VINE

(*Ipomoea quamoclit*). Hha. Well-known climber, with handsome delicate foliage.
Scarlet. Height 8 ft..... .10
Mixed. Height 8 ft..... .10

DOLICHOS

Lablab. Hha. Mixed. Height 8 ft..... .10
Lignosus (Australian Pea). P. Rose and purple; one of the best climbers for a hot, dry climate. Height 15 ft.... .10
Lignosus Alba. A white form of the above..... .10

HUMULUS

The Hop Vine is one of the quickest growers that we have and very beautiful. It rapidly covers arbors, fences or porches and is beautiful even when allowed to ramble at will about a pole or dead tree stumps. Sow in spring where plants are needed.
Japanicus (Japanese Hop). A. Height 20 ft..... .10
Japanese Variegated..... .10

IMPERIAL JAPANESE MORNING GLORY

Hha. Mixed, all colors. Very large. Height 30 ft..... .10



IPOMOEA MEXICANA ALBA

IPOMOEA

Heavenly Blu. Hha. Light blue. Hgt 15 ft..... \$0.10
Leari (Blue Moon-flower). P. Splendid. Height 25 ft.... .10
Mexicana grandiflora alba (True White Moon-flower). Hhp. Height 30 to 40 ft..... .15

KUDZU VINE

KUDZU VINE P. (*Pueraria Thunbergiana*). One of the most rapid-growing vines known. Will grow 50 feet in one season. The leaves are very large, making it a suitable for plant covering arbor, trellis, etc. Slow in germinating, soak seed in hot water over night. Flowers are pea-shaped and rosy purple in color..... .10

SEEDS OF CLIMBING PLANTS

LATHYRUS

Free flowering, perennial climbers, excellent for covering fences, old stumps, trellises, etc. Flowers are similar to sweet peas and are even more showy, but are lacking in fragrance.

LATHYRUS LATIFOLIUS (Everlasting Pea).	Pkt.
Rose. Height 6 ft.....	50.10
LATHYRUS LATIFOLIUS , Mxed. Height 6 ft.....	.10
“ “ White “ “ .....	.10

MANDEVILLEA

MANDEVILLEA SUAVEOLENS (Ohili Jasmine), P. Very fragrant. White. Height 15 ft.....	.10
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MAURANDIA

MAURANDIA , White, Hhp. Height 8 ft.....	.10
Purple. Height 8 ft.....	.10
Fine Mixed. Height 8 ft.....	.10

MINA

One of the prettiest vines. An annual that usually reproduces itself from seed when planted. The blossoms are elegant, yellow and red and produced with the greatest freedom. Not sufficiently known. Try it.

MINA LOBATA . Red, yellow and white. Height 15 ft..	.10
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NASTURTIUM (TALL)

Thrives well in poor soil and covers quickly fences or bare spots in the landscape. See list of varieties in annual flower section giving full description.



WISTARIA



PASSION FLOWER

PASSIFLORA

The well known Passion Flower, a splendid climber, thriving anywhere. The flowers are produced with great freedom all along the vine and while there is a great variety of colors, every one is beautiful.

Coccoloba , P. Blue. Height 8 ft.....	Pkt. .10
Edulis , P. Mauve; edible fruit. Height 8 ft.....	.10
Rosacea (incarnata) . Tall; rose-pink.....	.25
White , Hhp. Three-angled stem; edible. Height 8 ft.....	.10
Fine Mixed . Height 6 to 8 ft.....	.10

PHASEOLUS

PHASEOLUS CARACALLA (Snail Vine). Hhp. Lilac-purple and white. Height 8 ft.....	.10
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SMILAX

SMILAX , P. White; very useful for festooning, 6 ft.	.10
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SOLLYA

SOLLYA HETEROPHYLLA (Climbing Bluebell). Hhp. A pretty climber, with charming intense blue flowers. Height 6 ft.....	.15
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TACSONIA

This resembles the Passion Flower but is if anything more ornamental. The growth is extra robust and the large flowers hang pendant from it, making it especially suitable for arbors or roofs of porches. The colors are variable, but usually some shade of red, scarlet shades being extremely telling and effective.

Ignea , Red.....	Pkt. .25
Pink.....	.25
Mixed . Height 6 ft.....	.10

THUNBERGIA

The best vine for windows and hanging baskets. It has deep green leaves on scandent stems and the flowers are yellow or buff, with deeply colored eyes. One of the very best.

THUNBERGIA ALATA . Hha. Free bloomer of rapid growth; flowers of white and yellow shades, with striking black centers. Mixed, white and yellow. Height 6 ft.....	Pkt. .50.10
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WISTARIA

WISTARIA SINENSIS , P. A charming old-fashioned hardy climber, producing its pale blue flowers in large clusters in early spring. Light blue. Height 50 ft....	Pkt. .50.15
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SWEET PEAS

CULTURE—Sweet Peas should be sown about three inches deep and require an abundance of water—but do not sprinkle the vine. Keep the flowers picked and do not allow them to run to seed or they will soon stop flowering.

GIANT WAVED SPENCER VARIETIES

The character of these flowers is of healthy and vigorous growth and quite distinct from the standard sorts. They are very large, measuring from 2 to 2½ inches across with large frilled and wavy standards. Three and four of these beautiful flowers are borne on one good long stem, making them unsurpassed for vases and other decorative flower work.

	Pkt.	Oz.		Pkt.	Oz.
AGRICOLA. Blush Pink. The largest and loveliest Spencer; long stems and an exquisite rose-blush	\$0.15	\$0.60	KING EDWARD. Carmine scarlet	.15	.60
AMERICA. Red and white striped	.15	.60	KING MANOEL. Largest deep maroon	.15	.60
APPLE BLOSSOM. Rose and blush	.15	.60	KING WHITE. The best Spencer White ever produced	.15	.60
ASTA OHN. Lavender, tinted mauve	.15	.60	LESLIE IMBER. Best medium blue flowers of large size, much waved and long stems	.15	.60
AUSTIN FREDERICK. Giant, lavender	.15	.60	MARGARET ATLEE. A rich glowing pink softly suffused with salmon. Flowers extraordinary size, exquisitely waved and freely produced on long stems.	.15	.60
BLANCHE FERRY. Select, bright rose and white	.15	.60	MARGARET MADISON. Grand azure blue	.15	.60
CARDINAL. Crimson self	.15	.60	MIRIAM BEAVER. Finest shell-pink, large & ruffled	.15	.60
CONSTANCE HINTON. Pure White, extra large frilled and one of the latest novelties	.15	.60	MRS. C. W. BREADMORE. Buff with a rosy picotee edge	.15	.60
COUNTESS SPENCER. Light pink, shading darker towards the edges	.15	.60	MRS. CUTHBERTSON. Rose pink, wings pink white	.15	.60
DAINTY SPENCER. White, edged pink picotee	.15	.60	MRS. HUGH DICKSON. Buff and apricot pink	.15	.60
DOBBIE'S CREAM. Extra deep	.15	.60	MRS. ROUTHAN. Rose apricot, deeper in color, if partially shaded	.15	.60
DOBBIE'S SUNPROOF CRIMSON	.15	.60	NUBIAN. A new deep maroon, self-colored and of great merit. Giant flowers beautifully waved	.15	.60
EDITH TAYLOR. Rose salmon	.15	.60	OTHELLO. Rich, deep maroon	.15	.60
ELFRIDA PEARSON. Blush Pink	.15	.60	PARADISE IVORY. Ivory white, with a slight tinge of buff	.15	.60
FIERY CROSS. A scorching fiery red color exquisitely waved and will not burn or fade during intense sunshine	.15	1.00	PRIMROSE SPENCER. The color is a pronounced creamy yellow, with beautiful crinkled wings	.15	.60
FLORA NORTON. Clearest and most pronounced blue	.15	.60	QUEEN ALEXANDRA. Brightest crimson scarlet	.15	.60
FLORENCE MORSE. Dainty pink over white, edged pink	.15	.60	ROSABELLE. Undoubtedly the largest rose color yet produced. Flowers much waved and crimped	.15	.60
FLORENCE NIGHTINGALE. Clear lavender	.15	.60	ROYAL PURPLE. A beautiful Royal Purple, large size and good form	.15	.60
GEORGE HERBERT. Rosy Carmine	.15	.60	SCARLET EMPEROR. A vermilion brilliant, beautifully waved, surpassing all other scarlets in color and size	.15	.60
HELEN LEWIS. Standard orange, wings salmon	.15	.60	STERLING STENT. Glowing salmon orange	.15	.60
HENRY OHN. Rich cream pink, very frilled	.15	1.00	THOS. STEVENSON (Improved). Fiery orange red	.15	.60
HERCULES. Rose Pink. Immense flowers, long stems and a beautiful, rich, clear, rose color, very vigorous and a free bloomer	.15	.60	WHITE. Best pure white, beautifully waved	.15	.60
HILARY CHRISTIE. New salmon orange, etched with fiery orange, wings rosy salmon	.15	.60	SPENCER MIXED. 30 cents per oz.; \$1.00 per ¼ lb.; \$3.00 per lb. Separate colors \$5.00 per lb.		
ILLUMINATOR. A glowing cerise-salmon with an indication of bright orange which glistens in the sunlight. Flowers large and wavy. This is the most beautiful of the many new Spencers.					
INSPECTOR. Duplex, glowing orange-salmon	.15	.60			
IRISH BELLE. Soft lilac, flushed with rosy mauve "Pastel colorings"	.15	.60			

Germain's "Great South-West" Collection of Giant Spencer Sweet Peas - \$2.00

Agricola, Austin Frederick, Constance Hinton, Dobbie's Cream, Edith Taylor, Fiery Cross, Florence Nightingale, Henry Ohn, Hercules, Hilary Christie, Illuminator, Inspector, Irish Belle, King Manoel, King White, Leslie Imber, Margaret Atlee, Margaret Madison, Mrs. Cuthbertson, Miriam Beaver, Nubian, Rosabelle, Royal Purple, Scarlet Emperor, Thos. Stevenson.

Germain's Dollar Collection of Giant Spencer Sweet Peas - \$1.00

Asta Ohn, Blanche Ferry, Countess Spencer, Elfrida Pearson, Flora Norton, Helen Lewis, King Edward, Mrs. Breadmore, Othello, Paradise Ivory, Sterling Stent, Thomas Stevenson.

Sunset Collection of Spencer Sweet Peas - 50 Cents

"Sunset," Lavender—A beautiful shade of dainty lavender, open and wavy.
 "Sunset," Orange Rose—Large wavy wings of the Spencer type.
 "Sunset," Pink—A beautiful flower.
 "Sunset," Primrose Buff—Large wavy flowers, deep cream or primrose colored.

"Sunset," Scarlet Brilliant—A most gorgeous flower with wavy standards and drooping wings. The choice of the scarlets.
 "Sunset," Purple Striped on White—Mottled and striped on white ground.
 "Sunset," White—An exquisite pure white, the finest of the Spencer forms. Large open waved lasting flowers



NEW GIANT WINTER SPENCER SWEET PEAS

Not a flower is more admired for its beauty and sweetness than are the Sweet Peas. Especially is this true when we find them in mid-winter arrayed in colors as varied and brilliant as they are delicate combined with a freshness and sweetness of odor excelled by none. The New Giant Winter Flowering Spencer varieties produce flowers of the largest size, and of true orchid flowered type. The petals are beautifully waved, the stems very long and the plants themselves grow tall, 10 feet being no exception. Plant them from August to November. They will begin to bloom in ninety days, and if flowers are gathered freely and all faded blossoms removed they remain in bloom for several months.

	Pkt.	Oz.
ALL WHITE. See Novelties.	\$0.35	\$2.50
AMETHYST. Royal purple.	.25	1.50
ASTA OHN. Lavender.	.25	1.50
AVIATOR. See Novelties.	.35	2.50
CREAM. Rich cream color.	.25	1.50
DAZZLER. Standard orange, wings rosy salmon.	.25	1.50
FAIR MAID. See Novelties.	.35	2.50
FANCY. See Novelties.	.35	2.50
FIRE KING. Deep orange scarlet.	.25	1.50
FORDHOOK ROSE. Brilliant rose.	.25	1.50
GORGEOUS. Soft salmon rose.	.25	1.50
HEATHER BELL. Mauvelavender.	.25	1.50
HERCULES. Mammoth rose.	.25	1.50
IRENE. See novelties.	.35	2.50
MRS. A. A. SKACH. Pink.	.25	1.50
RED ORCHID. (Xmas red).	.25	1.50
ROSE CHARM. See novelties.	.35	2.50
SONGSTER. Lavender.	.25	1.50
THE BEAUTY. Dark fiery rose.	.25	1.50
WHITE ORCHID. Pure white.	.25	1.50
ZVOLANEK'S BLUE. Bright blue.	.25	1.50
MIXED. All colors, 1/2 oz.	.50	2.00

GERMAIN'S STANDARD DOZEN GIANT WINTER SPENCERS
 Amethyst, Asta Ohn, Cream, Dazzler, Fordhook Rose, Gorgeous, Heather Bell, Hercules, Mrs. A. A. Skach, Red Orchid, The Beauty, White Orchid. \$2.50

Entire Collection of New and Standard Giant Winter Spencer Sweet Peas Containing 1 pkt. each of 21 separate varieties. \$4.00

GRANDIFLORA SWEET PEAS

The popularity of the Giant Waved Spencer type of sweet peas is such that the demand for the older grandiflora strain has dwindled to a point where they are but rarely called for, except in mixture, when they are generally sown in quantity for cutting or garden decoration. Our mixture will be found to contain a wide range of the choicest colors.

GRANDIFLORA LARGE-FLOWERING MIXED. From named varieties. 1/2 oz. packet 10 cents, ounce 15 cents, 1/4 pound 50 cents, pound \$1.75

CUPID OR DWARF BEDDING
 Not over 6 inches in height, these little plants make excellent bedding or border material. The dark green foliage disappears almost entirely under the multitude of flowers with which the plants are covered during their long blooming season. Pkt. 10 cents, oz. 25 cents, pound \$2.50

CHRISTMAS SWEET PEAS
Grandiflora Type
 What has been said of the summer grandifloras may well be repeated here. The Giant Winter Spencer varieties have replaced the older strain, and we are no longer offering them in separate varieties, but we have blended a number of the finest of these, and are now offering them in mixture only. Pkt. 10 cents, oz. 30 cents, pound \$3.00

ORNAMENTAL GRASSES



ORNAMENTAL GRASSES

Most of these, if cut before they are quite ripe, will be useful in winter bouquets or with everlasting flowers.

A. Annual. P. Perennial. Sow in boxes in February or March; when large enough, transplant.

	Pkt.
AGROSTIS NEBULOSA. A. Very graceful and fine for vases or bouquets. Height 1 ft.	\$0.10
AGROSTIS PULCHELLA. A. Very graceful and fine for vases and bouquets. Height 1 ft. ....	.10
BRIZA MAXIMA. A. (Quaking Grass) Well known and highly prized for bouquets of dried flowers and grasses. Height 1 1/2 ft. ....	.10
BRIZA GRACILIS. A. Slender; fine for bouquets. Height 1 foot. ....	.10
COIX LACHRYMA. Job's Tears. ....	.10
COIX LACHRYMAE AUREA ZEBRINA. A novel form of the popular Job's tears being prettily striped with yellow. ....	.10
ERAGROSTIS ELEGANS (Love Grass). A. Has beautiful dancing spikelets; good for bouquets. Height 1 ft. ....	.10
EULALIA JAPONICA (Japan Plume Grass). P. Very effective in groups. Height 6 ft. ....	.10
EULALIA JAPONICA ZEBRINA. A variegated form of the above. ....	.10
FESTUCA GLAUCA. P. Very neat and compact; fine for edgings to ribbon beds and borders. Height 1/2 ft. ....	.10
ISOLEPIS GRACILIS. P. Very pretty rush-like grass for hanging baskets and pot culture. Height 1 ft. ....	.10
LAGURUS OVATUS (Hare's Tail Grass). Fine for bouquets. Height 2 ft. ....	.10
PENNISETUM LONGISTYLUM. Very effective in groups, graceful plumes of greenish white. ....	.10
PENNISETUM RUEPPELIANUM. (Purple Fountain Grass), green leaves and purple plumes. A grand border for a bed of cannas or other tall plants. ....	.10
RAINBOW MAIZE. Striped in four colors, very ornamental for large clusters. Height 4 ft. ....	.25
STIPA PENNATA (Feather Grass). P. Universally admired in bouquets. Height 2 ft. ....	.18
UNIOLA LATIFOLIA (Sea Oats). P. Very ornamental. Height 4 ft. ....	.10
ZEA JAPONICA FOL. VARIEGATA (Striped Japanese Maize). Hha. Very ornamental. Height 4 ft. ....	.10

The Persian Muskmelon is [75] Unsurpassed in Flavor

EVERLASTING FLOWERS

Collections		
OUR SELECTION		
6 Fine Packets.	Value 60 cents.	\$0.40
10 Fine Packets.	Value \$1.00.	.75
15 Fine Packets.	Value \$1.50.	1.00

These are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry.

ACROCLINIUM.		Pkt.
Single, white. Height 1 ft.		\$0.10
Single Pink. Height 1 ft. ....		.10
Single Mixed. Height 1 ft. ....		.10
Pink, double. Fifty per cent double flowers. Height 1 ft. ....		.10
White, double. 50 per cent double flowers. Height 1 ft. ....		.10
Mixed, double. ....		.10
AMMOBIUM ALATUM. White. Height 1 ft. ....		.10
GLOBE AMARANTHEA. (Gomphrena). ....		.10
Purple. Height 1 ft. ....		.10
Pink. ....		.10
Rose. ....		.10
White. Height 1 ft. ....		.10
Fine mixed. Height 1 ft. ....		.10
GNAPHALIUM LEONTOPODIUM. White. Height 1/2 ft. ....		.15
The true "Alpine Edelweiss."		
HELICHRYSUM (Straw Flower). Height 2 ft.		
Brown, double. ....		.10
Crimson double. ....		.10
Fireball, double. ....		.10
Pink, double. ....		.10
Purple, double. ....		.10
Salmon-rose, double. ....		.10
White, double. ....		.10
Yellow, double. ....		.10
Mixed, double. (see cut) ....		.10
Minimum fl. pl. Mixed; produces perfectly double flowers, but very small and dainty. ....		.10
RHODANTHE. Double Rose. ....		.10
RHODANTHE. Mixed. Height 1 ft. ....		.10
STATICE.		
Latifolia, Sea lavender. Producing panicles of minute lavender flowers. ....		.10
Dark blue or purple. ....		.10
Lavender. ....		.10
Rose. ....		.10
White. ....		.10
Yellow. ....		.10
Suworowii, slender spikes of bright rose. ....		.10
Caspia, see Specialties. ....		.25
XERANTHEMUM. Double, mixed. Height 2 ft. ....		.10

ORNAMENTAL GOURDS

Collections		
OUR SELECTION		
6 Fine Varieties.	Value 60 cents.	\$0.40
10 Fine Varieties.	Value \$1.00.	.75
16 Fine Varieties.	Value \$1.60.	1.00

CUCUMBER SNAKE (Cucumis Flexuosus)	\$0.10
Wild Cucumber. Very curious. Height 4 ft. ....	.10
Apple Shaped. Height 10 ft. ....	.10
Bottle-shaped. White flowers. Height 10 ft. ....	.10
Calabash-shaped, or Pipe. Height 10 ft. ....	.10
Dipper. Height 10 ft. ....	.10
Dish Rag. When properly prepared this is very serviceable in many ways. Height 6 ft. ....	.10
Egg Shaped. "Nest Egg." Height 10 ft. ....	.10
Gooseberry. Smallest. Height 10 ft. ....	.10
Hercules Club. Fruits 7 to 8 ft. in length. Height 15 ft. ....	.10
Orange Shaped. (Mock Orange). Height 15 ft. ....	.10
Pear Shaped. Height 10 ft. ....	.10
Serpent (Trichosanthes Colubrina). Very long and coiled. Height 10 ft. ....	.10
Sugar Trough. Enormous, holding several gallons. Height 15 ft. ....	.10
FINEST MIXTURE. ....	.10
MOMORDICA	
Balsamina. "Balsam Apple" Height 6 feet. ....	.10
Charantia. "Balsam Pear." Height 5 ft. ....	.10
The Momordicas are very handsome. The fruit bursts when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.	

PERENNIALS

Our Selection 12 Fine Varieties of Perennial Flower Seeds. \$1.00 Our Selection 6 Fine Varieties of Perennial Flower Seeds. \$0.50
 Plants of many perennials may be had. See Nursery Department.

The very word "Perennial" conjures up old time memories of old fashioned plants, lovely old gardens with borders, semi-neglected, perhaps, but always overflowing with flowers; gardens where one can cut sheaves and armfuls of flowers without their being missed, where every day in the year, there is something new. Giant blue Larkspurs look over garden walls or fences; Lilies invite one into the garden by their grateful perfume, while in the spring, the tender shoots pushing through the soil are almost as beautiful and equally interesting as the flowers. In autumn, Chrysanthemums, Dahlias, Asters and Foxgloves brighten the shortening days, while even the decaying foliage of those which have been so glorious during the summer is not without its charm. This is not the place for the tidying up gardener. It is "Grandmother's Garden", a garden of sweet things, of memories, of beauties unknown to those who only look for glaring displays and hard color outlines. And all these can be had by anyone who will take the little trouble to plant a few seeds, for nearly all these precious plants can be raised from seed, as easily as a pansy. Especially in the Southland, is this phase of gardening neglected, just where it ought to be most popular.

COLLECTIONS

ONE PACKET OF EACH OF THE HARDY PERENNIALS LISTED BELOW FOR \$1.75. REGULAR VALUE \$2.25

- | | |
|--|---|
| ANEMONE CORONARIA. Mixed. Height 1½ ft. | IPOMOPSIS (Texas Plumess). Scarlet and gold. Height 3 ft. |
| ANTIRRHINUM (Snapdragon). Mixed colors. Height 2 ft. | HUNNEMANNIA (Yellow Tulip Poppy). With crinkled petals. Height 2 ft. |
| AQUILEGIA (Columbine). Mixed best varieties. Height 2 ft. | MARVEL OF PERU (Four o'clock). Large flowering mixed. Two ft. |
| CENTAUREA CANDIDISSIMA (Dusty Miller). Height 1½ ft. | PENTSTEMON GRANDIFLORA. Finest mixed. Height 2 ft. |
| COREOPSIS LANCEOLATA. Bright gold. Extremely desirable. Height 2 ft. | PYRETHRUM ROSEUM. Single finest mixed. Height 2 ft. |
| DELPHINIUM ELATUM (Bee Larkspur). Mixed blue. Hgt. 2ft. | ROSE CAMPION (Agrostemma Coronaria). Crimson flowers. Height 1½ ft. |
| DIGITALIS (Foxglove). Best variety, handsome markings. 3 ft. | SWEET ROCKET (Dame's Violet). Sweet scented mixed. 1½ ft. |
| DIANTHUS (Hardy Pinks). 3 packets. Three different varieties of rich and handsome colorings. Height 1 ft. | SWEET WILLIAM. Finest varieties single and double mixed. Height 1½ ft. |
| FRAXINELLA (Burning Bush). Height 2 ft. | VINCA (Periwinkle). Mixed colors. Height 2 ft. |
| FRENCH HONEYSUCKLE. Red and white mixed. Hgt. 3 ft. | WALLFLOWER. Fragrant. Finest varieties mixed. Hgt. 2 ft. |
| GAILLARDIA (Blanket Flower). Finest mixed. Height 2 ft. | |
| HONESTY. An old fashioned flower with a curious seed pod. Flowers pink, purple and white. Height 1½ ft. | |

ACONITUM

MONK'S HOOD or WOLFbane. For shady corners. Pkt. Blue flowers. Three to five feet high. .10

ALYSSUM

Must not be confused with the Sweet Alyssum. A lovely plant with golden yellow flowers so profusely produced as to completely hide the plant. Grows anywhere. Pkt. **ALYSSUM SAXATILE.** B. Beautiful yellow. Hgt. ¾ ft. \$0.10

ANCHUSA

ANCHUSA CAPENSIS (Cape Alkanet). B. Azure-blue, free-blooming biennial. Height 1½ ft. .10
ITALICA DROPMORE VARIETY. A handsome perennial plant 3 to 5 ft. tall. Flowers rich gentian blue. .10

ANEMONE

ANEMONE CORONARIA (Windflower). Beautiful, early spring-flowering plants. Mixed. Height ½ ft. .10

ANTIRRHINUM

The old-fashioned Snapdragon, one of the hardest and best perennials, flowering the first year from seed. The colors are now rich and varied, the habit tall or dwarf, as indicated below—an indispensable plant.

- LARGE FLOWERING SEMI DWARF.** The best for bedding or borders.
- | | |
|--|----------|
| Black Prince. Nearly black; small dark leaves. | Pkt. .10 |
| Buff Queen. Delicate rose-buff. Canary center; shaded orange. | .10 |
| Chamois Prince. Golden chamois, shaded rose. | .10 |
| Cottage Maid. Delicate pink tinged salmon; white throat. | .10 |
| Crimson King. Rich deep crimson. | .10 |
| Daphne. Rosy Carmine, white throat. | .10 |
| Firebrand. Largest glowing scarlet. | .10 |
| Golden Queen. Large golden yellow. | .10 |
| Mauve Queen. A delicate rosy-mauve, especially attractive when grown with yellow or white; avoid red or pink. | .10 |
| Queen of the North. Pure white. | .10 |
| Rose Queen. Bright rose pink. | .10 |
| Silver Pink. An exquisite shade of light pink. | .10 |
| Large Flowering Semi-dwarf Mixed. | .10 |
| Collection: 1 Pkt. each of 12 colors. | 1.00 |
- GIANT VARIETIES.** 2 to 3 ft. in height.
- | | |
|--|------|
| Defiance. Fiery Scarlet. | .10 |
| Delicata. Delicate pink on white ground. | .10 |
| Delia. Carmine Rose, white throat. | .10 |
| Fairy Queen. Rosy orange buff. | .10 |
| Fire King. Scarlet and orange. | .10 |
| Galathea. Crimson, white throat. | .10 |
| Pink. Clear pink. | .10 |
| Purple King. | .10 |
| Ruby Rose. Rose, tinted ruby red. | .10 |
| Venus. Large soft pink, white throat. | .10 |
| White. Tall snow white. | .10 |
| Yellow. Golden yellow, lighter throat. | .10 |
| Yellow and Orange. Very effective. | .10 |
| Tall Giant Mixed. | .10 |
| Collection: 1 Pkt. each of 12 colors. | 1.00 |
| Two dozen collection: 1 Pkt. each of every variety listed. | 1.75 |

ARABIS

One of the first flowers of spring, better known as "Snow on the Mountain". Comes easily and freely from seed and produces a white sheet of flowers, fragrant and delightful. Fine for rock-work.

ARABIS ALPINA White. Height ½ ft. .10

AQUILEGIA

The old-time Columbine, a delightful plant in every respect, native to America, but much improved by cultivation and selection. Our Rocky Mountain Columbine is one of the finest of all, with its long caudate spurs and charming coloring. Every color is represented in such lovely combinations as to win the admiration of all.

- | | |
|--|-----|
| Chrysantha. Yellow. Height 2 ft. | .10 |
| Coerulea (Colorado State Flower). | .15 |
| Long Spurred Pink. | .25 |
| Long Spurred Hybrids. Mixed. | .25 |
| Double Mixed Hybrids. Very fine. Height 2 ft. | .10 |
| Single Mixed. Height 2 ft. | .10 |

ARMERIA

ARMERIA. The Sea Pink, an edging plant without an equal; fine foliage even after the flowers are gone, always attractive. .10

ASPARAGUS

- | | |
|---|-----|
| Sorengerii. A fine ornamental plant for hanging baskets. | .10 |
| Plumosus. A fine pot-plant; 100 seeds 85 cents. | .10 |

ASPERULA

ASPERULA ODORATA (Woodruff). Very fragrant. Ht. ½ ft. .10

AURICULA

AURICULA. Finest English hybrids; from the finest collection. Fine deep colors, variously margined. Good for pot culture. Height ¾ ft. .25

BEGONIA

The tuberous rooted Begonia is one of the finest greenhouse plants. Sow in early spring, in fine sterilized soil, leaf-mold and sand. Cover the seed very slightly and place a sheet of glass over each pan or flat until the young plants are up. Prick off singly as soon as large enough to handle and place in small pots when ready, potting into the larger sizes as they fill the smaller with roots.

- | | |
|---|--------|
| Tuberous-rooted. Double mixed (see page 68). | \$0.50 |
| Tuberous-rooted. Single mixed | .50 |

BEDDING OR BORDER BEGONIAS.

Easily grown from seed. The bedding begonias thrive and bloom admirably in shady locations. The seed is very small. Sow in boxes in sifted soil and do not cover but press lightly into the surface.

- | | |
|---|-----|
| Luminosa, fiery dark-scarlet. Dark foliage | .25 |
| Prima Donna. Pink. Fine for pot plant | .25 |
| Semperflorens. Mixed | .25 |
| Vernon Type. Clear Pink | .25 |
| Vernon Type. White-edged Pink | .25 |
| Vernon Type. Mixed | .15 |

PERENNIALS

For Plants See Nursery Department

BELLIS

- The popular **Double English Daisy**. Very useful for edgings.
- Longfellow**. Large, rose. Height ¼ ft. Pkt. \$0.10
 - White**. Pkt. .10
 - Mixed**. Fine. Height ¼ ft. Pkt. .10
 - Red, Mammoth**. Height ¼ ft. Pkt. .25
 - Rose, Mammoth**. Pkt. .15
 - White Mammoth**. Pkt. .15
 - Mammoth Mixed**. Pkt. .15

CACTUS

- CACTUS**. Saved from the best and most distinct species.
- Finest mixed. Height ½ to 4 ft. Pkt. .15

CAMPANULA

- This includes the Bell Flowers and the delightful old Canterbury Bells. Easily grown, free flowering plants that can be raised from seed in less than six months. Sow in August for spring flowering and again in the spring. (Bellflower). (See also Canterbury Bells.)
- Carpatia**. Blue. (Carpathian Harebell). Height ½ ft. Pkt. \$0.10
 - Pyramidalis**. Blue. (Chimney Bellflower) Height 3 ft. Pkt. .10

CANNA

- CANNA**. Handsome plant for lawn decorations and for backgrounds. Soak seed in tepid water twenty-four hours before sowing.
- New French Hybrids**. Mixed. Height 4 ft. Pkt. .10

CANTERBURY BELLS

- B. Very handsome border perennials of great utility, and deservedly popular favorites. They are called "Hose in Hose" or "Cup and Saucer" Canterbury Bells.
- | SINGLE | DOUBLE |
|-----------------------|-----------------------|
| Blue \$0.10 | Blue \$0.10 |
| Rose10 | Rose10 |
| White10 | White10 |
| Mixed10 | Mixed10 |

- CALYCANTHEMA**. (Cup and Saucer)
- | | |
|-----------------------|------------------------|
| Blue \$0.15 | White \$0.15 |
| Rose15 | Mixed15 |

CARNATION

- Our seed is saved from the finest kinds selected, especially for bright coloring, size and fragrance. The Marguerite forms are smaller but flower in a shorter time from seed.
- PERPETUAL, or TREE**. Height 2 ft.
- Purple25
 - Rose25
 - Scarlet25
 - White25
 - Yellow25
 - Collection of 5 colors 1.00
 - Mixed, all colors25
- MARGUERITE**. Very fragrant, high percentage of doubles, the quickest to bloom from seed, flowering in 4 or 5 months.
- | | |
|----------------------------|------------------------|
| Rose Pink \$0.10 | White \$0.10 |
| Red10 | Mixed10 |
- DOUBLE BORDER CARNATIONS**. A good hardy strain of dwarf habit, excellent for beds or borders, being free and continuous bloomers compact in growth.
- | | |
|----------------------|---|
| Red \$0.15 | White \$0.15 |
| Rose15 | Mixed15 |
| Violet15 | Collection of 4 colors \$0.50 |

CENTAUREA

- Dusty Miller). Fine plants for borders.
- Candidissima**. White foliage. Height 1 ft. Pkt. .10
- Gymnocarpa**. Height 1 ft. Pkt. .10

CERASTIUM

- CERASTIUM TOMENTOSUM** (Jerusalem Star). White leaves; trailer; useful for edging and rockwork. Pkt. .15

CHRYSANTHEMUM

- Frutescens**. (Paris Daisy or Marguerite). B. White, yellow eye. Height 2 ft. Pkt. .10
- Leucanthemum hybrid** (Shasta Daisy): White, yellow center; flowers four inches in diameter; valuable for cutting. Height 2 ft. Pkt. .10
- Indicum** (Chinese). Mixed. Height 3 ft. Pkt. .10
- Nanum** (Pomponne). Mixed. Height 2 ft. Pkt. .10
- Japonicum** (Japanese). Mixed. Height 3 ft. Pkt. .10

CINERARIA

- CINERARIA MARITIMA CANDIDISSIMA**. Silvery foliage, very useful for ribbon beds and borders. Height 1 ft. Pkt. .10

CLIANTHUS

- CLIANTHUS DAMPIERI** (the Australian Glory Pea). A magnificent flower, scarlet, with black center. Water sparingly after sowing. Height 4 ft. Pkt. .15

COLEUS

Gorgeous leaved plants, suitable for bedding out or indoor use. The coloring in our large leaved varieties is not excelled by even the finest Caladiums, while the variety in tints is remarkable. The Coleus likes plenty of sun, ample moisture and rich, light soil to bring out its best points. Sow in March.

- New large-leaved**. Very fine. Height 2 ft. Pkt. \$0.25
- Finest Mixed**. Height 2 ft. Pkt. .15



Germain's
COREOPSIS
LANCEOLATA

See page 78

PERENNIALS

CONVOLVULUS

CONVOLVULUS MAURITANICUS. Hardy perennial for hanging-baskets with flowers of bright metallic luster. Lavender, trailer. **.10**

COREOPSIS

The best golden yellow composite, fine for cutting or for garden decoration. It comes easily and quickly from seed and flowers very freely. Sow several times in the year for a succession of bloom. See page 77. Pkt. **\$0.10**

Grandiflora. H. Height 2 ft. **\$0.10**
Lanceolata. B. A beautiful plant, with lance-shaped leaves and showy bright flowers 2 or 3 inches in diameter. Yellow. Height 2 ft. **.10**

CUPHEA

CUPHEA PLATYCENTRA (the Cigar Plant). Pretty tubular flowers. Scarlet and black. Height 2 ft. **.10**

CYCLAMEN

One of the most popular of greenhouse plants and deservedly so. The seed should be sown in autumn, any time from August to November, and again in the spring for a succession of flowers. During the last ten years, the strains have been greatly improved by European hybridists. We constantly add the finest varieties and there is nothing better than our strain in existence. The seeds should be dibbled in half an inch deep and 1 inch apart. Hh. Pkt. **.25**

Persicum giganteum. Fine mixed. Height ¼ ft. **.25**

DAISY

DAISY, SHASTA. See Chrysanthemum above.

DAHLIA

While Dahlias are more frequently raised from tubers than seed, there is great interest in growing some seedlings, as there is among the chance of getting something novel and distinct along them. Both single and double also the Pompon and Cactus forms can be grown this way. Sow in February and March, under glass, or in April in the open ground. Watch carefully for slugs and small snails, as these will ruin hundreds of the young plants in a night, if allowed to. Something in the Dahlia is very attractive to these pests. Hh. Pkt. **.15**

Large-flowered double, best quality mixed. Height 5 ft. **\$0.15**
Cactus. Mixed colors. Height 5 ft. **.15**
Pompon. Small bouquet, mixed. Height 4 ft. **.15**
Single, Mixed. Height 5 ft. **.10**

DELPHINIUM

The perennial larkspur is possibly the finest herbaceous plant in existence, rivaling even the Peony. The plants thrive in any soil and situation, withstand frost and heat and are always the central attraction in the hardy perennial border. The blue forms are superb, while the scarlet, though not quite as hardy as the others, is extremely showy. Sow in autumn and again in spring. For plants see Nursery Department. Pkt. **\$0.10**

Cardinale (Scarlet Larkspur). Bright scarlet. Height 3 to 5 ft. **\$0.10**
Bella Donna Clear turquoise blue. **.25**
Elatus (Bee Larkspur). Mixed. Height 3 ft. **.10**
Formosum. Bright blue. Height 4 ft. **.10**
Hybridum. Double, extra choice mixed. Height 3 ft. **.15**
Gold Medal Hybrids. The finest strain of mixed hybrids. The plants are of strong vigorous habit and produce large spikes of delicately shaded flowers mostly in the lighter blue tints. **.25**

DIANTHUS

Belongs to the same family as the Carnation. Pretty and easily grown plants, coming freely from seed and liking a light, sunny position. Sow at any time. Pkt. **.10**

SINGLE PINKS. **Crimson Belle.** Velvety crimson. **.10**
Queen of Holland. Pure white. **.10**
Hedwegii (Single Japan Pink). Finest Mixed. **.10**
Hedwegii Laciniatus (Single fringed pink) mixed. **.10**
Pumarius (Single Florists. Pheasant's eye or Hardy Garden Pink). Delightful odor. Fringed edged flowers of many colors. **.10**
DOUBLE PINKS.
Fireball. Rich glowing red. **.10**
Mourning Cloak. (White Frill). Dark velvety crimson, margined white. **.10**
Purity. Beautiful double white. **.10**
Hedwegii fl. pl. (Double Japan Pink) double mixed. **.10**
Chinensis fl. pl. (Double China or Indian Pink) very double, colors varied and bright. **.10**
Diadematus Albus, fl. pl. Double white. **.10**
Diadematus, fl. pl. (Double Diadem Pink). Finest mixed. **.10**
Laciniatus, fl. pl. (Double Fringed Pink). Large double fringed, all colors, mixed. **.10**
Imperialis, fl. pl. (Imperial Pink). Double mixed. **.10**
Mixed Hybrids. Single and double in all varieties, mixed. **.10**
Collection of 10 choicest varieties. **.75**

DODECATHEON

DODECATHEON MEDIA (American Cowslip). Lilac. Fine for rockwork, etc. Height ½ ft. **.10**



DELPHINIUM

DIGITALIS

The Foxglove is one of the oldest garden plants and a favorite everywhere. Produces tall, showy spikes of pretty, showy flowers in a great variety of color. Pkt. **\$0.10**

DIGITALIS GLOXINOIDES (Foxglove). Fine mixed. 3ft **\$0.10**
ERIGERON. Bluish lilac daisies. Producing a mass of flowers nearly all the year around. Good winter flowers. Height 2 ft. **.10**

ERPETION

ERPETION RENIFORME (Viola hederacea; Australian Pansy). A pretty tufted plant with kidney-shaped leaves and blue flowers; rare and curious. Hgt. ½ ft. **.25**

ERYTHRINA

CRISTA-GALLI (Coral Tree). Dark red. A handsome decorative plant for shrubbery. Hgt. 6 ft. **.15**

EVENING PRIMROSE

See Oenothera
FERNS
 All species mixed; choicest varieties. ½ to 2 ft. **.15**

FORGET-ME-NOT

DICTAMNUS

The Fraxinella or Burning Bush possesses the peculiar property of giving off a volatile oil or gas that ignites and flashes up for a second or so when a lighted match is applied, without injury to plant. A pretty, herbaceous plant, worthy extended culture. **FRAXINELLA** (Burning Bush). Red; handsome. The Pkt. seed is slow to germinate. Height 2 ft. **\$0.10**

FRESIA

FRESIA REFRACTA ALBA. B. Well-known bulbous plants, blooming in one year from seed. White. Height ¼ ft. **\$0.10**

FRENCH HONEYSUCKLE

FRENCH HONEYSUCKLE (Hedysarum coronarium). Red and white mixed. Hardy, profuse-blooming. Succeeds well near the seaside. Not to be confounded with the climbing Honeysuckle. Height 3 ft. **.10**
 Most Delicious Vegetable Known

PERENNIALS

GAILLARDIA

- (Blanket Flower). B. Showy border plant.
Grandiflora. Splendid mixed. Height 1½ ft Pkt. \$0.10
Maxima. Golden yellow. Height 2 ft.10
Lorenziana. Double, mixed colors. Height 1½ ft10
Picta. Red and yellow. Height 1½ ft.10

GENTIANA

- GENTIANA ACAULIS.** An alpine plant of great beauty; fine for borders and rock work; intense blue. Height ¼ ft10

GERANIUM

- B. Seed saved from best varieties of all kinds
Zonale, Single. Finest mixed. Height 5 to 6 ft.10
Zonale, Double. Finest mixed. Height 3 ft.25

GERBERA

The original form of this fine composite was bright red, but we have now almost all colors. Comes rather slowly from seed, but well worth waiting for. Sow at intervals all through the spring and summer. See adjoining engraving.

- Jamesoni** (Transvaal Daisy). The Scarlet Daisy of Pkt. South Africa. \$0.25
Hybrids. Mixed Colors.25

GEUM

- Coccineum** (Scarlet Avens). A Chilean plant of great beauty; very useful in mixed borders. Scarlet. Height 2 ft.10
Mrs. Bradshaw. The double Mrs. Bradshaw is undoubtedly the finest Geum produced. The flowers are large and full, of a beautiful orange scarlet color, blooming from April to September. A hardy perennial. Height 18 inches.25

GLOXINIA

- GLOXINIA HYBRIDA.** T. A beautiful greenhouse perennial bulb. Seed saved from the finest erect and drooping varieties. Finest mixed. Height 1 ft.25

GOLDENROD See Solidago.

GYPSOPHILA

- GYPSOPHILA PANICULATA.** B. Very graceful, flowering in panicles, and excellent for cut-flowers. White. Height 1½ ft. See also Annuals.10
Pink.10

HELIOTROPIUM

- HELIOTROPIUM** (Cherry Pie). Deliciously fragrant, also fine for pot culture. Finest mixed. Height 6 ft.10



GEUM MRS. BRADSHAW

HEUCHERA

- B. Allied to the Saxifragas; very graceful valuable for cut-flowers.
Alba. White. Height 1 ft.15
Sanguinea. Crimson. Height 1 ft.15



GERBERA JAMESONI

HIBISCUS

- Well-known showy perennial shrubs with brilliant flowers. Pkt.
Coccineus. Scarlet. Height 5 ft.10
Roseus grandiflorus. Pink. Height 4 ft.10
Mallow Marvels. Robust Perennials. 3 to 5 feet high, bearing profusely, flowers of the largest size, in all the shades of crimson, rose, and white.10

HOLLYHOCK

- The Hollyhock comes fairly true from seed and will flower the first year if the seed is sown early and transplanted to rich soil. Sow again in the fall and transplant in the spring. One of the few herbaceous plants that are effective in landscape work.
Allegheny. Semi-double, fringed, mixed. Height 5 ft. \$0.10
Chater's Superb Double Mixed Height 5 ft.10
Finest Double Crimson. Height 5 ft.10
Flesh10
Newport, Pink. Height 5 ft.10
White. Height 5 ft.10
Yellow. Height 3 ft.10
Mixed. Height 5 ft.10

HONESTY

- HONESTY.** B. Interesting in a dried state, the membranous lining of the seed-pod making a handsome ornament for winter bouquets. Purple. A biennial. Height 1½ ft.10

HUNNEMANNIA

- HUNNEMANNIA FUMARIAEFOLIA.** A showy plant belonging to the Poppy family. Yellow. Height 2 ft10

HYACINTHUS

- HYACINTHUS CANDICANS.** A bulbous plant, throwing up a spike bearing 20 to 30 yucca-like flowers; pure white and fragrant. Height 3 ft.10

IPOMOPSIS

- IPOMOPSIS** (Texas Plumes). Showy scarlet and gold pyramidal blossoms and feathery foliage. Fine mixed. Biennial. Height 3 ft.10

LANTANA

- LANTANA.** B. White, rose and yellow particolored fragrant flowers, like heliotrope in form. Finest mixed. Height 4 ft.10

LAVENDER

- LAVENDER SWEET.** Blue; a hardy shrub, well-known and esteemed for its delicious fragrance. Height 3 ft.10

LINARIA

- LINARIA CYMBALARIA** (Kenilworth Ivy). White and purple; very pretty for rock and hanging-baskets; trailer.10

PANSY or HEARTSEASE

CULTURE—To have pansies in perfection, sowings should be made every month from the end of July to the end of April. Young, vigorous stock always gives the best results. Sow in pans or flumes and transplant when large enough to a border of rich soil. Water must be given freely in bright weather and the flowers gathered as soon as they begin to wilt in order to keep up a succession and prevent running to seed, which injures the plants and tends to small flowers.

GERMAIN'S GIANT PRIZE PANSIES

For Plants See Nursery Department

What could be more interesting to any lover of flowers than a bed of Pansies fresh with the morning dew, some clad in their rich velvety petals and others turning their smiling faces upward asking only to be appreciated in their brief effort to make the world a little more beautiful!

- GIANT PURPLE.** Very showy. Pkt. .25
Velvety Royal Purple. .50.25
- GIANT KING OF THE BLACKS** .25
- GIANT MADAME PERRET.** An exquisite pansy. Every blossom displays the soft red wine shades in varying degree, either faint or intense. .25
- GIANT GOLDEN YELLOW.** Canary Bird. Very beautiful. .25
- GIANT WHITE.** With purple eye, extra fine. .25

GERMAIN'S SUPERB GIANT PRIZE MIXTURE

Germain's Giant Prize Mixture contains a selection of all the giant flowered varieties including the largest plain color and fancy blotched and shaded sorts, and the choicest imported frilled variegated, and orchid flowered varieties. A strain unequalled for beauty and variety of color.

25 cents per package, or the full Collection of Six for \$1.00.

GERMAIN'S PERFECT GIANT FLOWERING SORTS

- | | |
|---|--|
| Adonis. Light Blue Pkt. .25 | Lord Beaconsfield. Lower petals deep purple shading to light lavender. Pkt. .25 |
| Bridesmaid. Apple Blossom.25 | Vulcan. Rich blood red, blotched purple.25 |
| Emperor William. Rich, Ultramarine or cornflower blue.25 | White. With black center.25 |
| Fire King. Lower petals yellow, upper purplish maroon.25 | Collection of above eight varieties. 1.50 |
| Golden Yellow Five Spotted. Beautifully marked purple.25 | |

GERMAIN'S BEDDING PANSIES

The bedding pansies do not produce flowers quite so large as the Giants but they are hardy and persistent bloomers, excellent for bedding where the mass of bloom rather than the size of the individual flowers is most important.

- | | |
|---|---|
| EMPEROR WILLIAM. Ultramarine blue. Height ½ ft. Pkt. .10 | LORD BEACONSFIELD. Large, purple-violet shading off to lavender. Height ½ ft. Pkt. .10 |
| FAUST, KING THE BLACKS. Coal-black. Height ½ ft.10 | PRESIDENT CARNOT. White, violet blotches. Height ½ ft.10 |
| GOLD-MARGINED. Brown with gold border, Height ½ ft.10 | STRIPED AND MOTTLED. Hgt. ½ ft.10 |
| YELLOW. Pure. Height ½ ft.10 | VICTORIA. Blood-red. Height ½ ft.10 |
| YELLOW WITH BLACK CENTER. Height ½ ft.10 | WHITE. Height ½ ft.10 |
| LIGHT BLUE. Light sky blue10 | Collection of 12 separate colors. . . \$1.00 |
| MAHOGANY-COLORED. Ht. ½ ft.10 | |

GERMAIN'S CHOICE STRAIN OF PANSIES IN MIXTURE

- | | |
|--|---|
| Germain's Giant Prize Mixed. Pkt. .25 | Orchid Flowered. Delicate shades and light tones of yellow, lavender, red, and mauve. Many entirely new.25 |
| Germain's Triumphant Giants. Selected from prize flowers only.50 | Odiar's Five Blotched. Large rounded flowers with a broad blotch on each petal, all flowers margined.25 |
| Fine Mixed. Flowers of medium size, varied and beautiful in color10 | Parisian Large Stained. Timar-deau Type in lighter colors, large and beautifully marked.25 |
| English Mixed. A favorite with many. Flowers large, and velvety in texture.15 | Trimardeau. Giant French strain, upper petals especially large, all colors.25 |
| Bugnot's Superb Blotched. A remarkable strain containing some of the rarest shades.50 | |
| Cassiers. Very large flowered.25 | |



Germain's
GIANT PRIZE PANSIES

PERENNIALS

LOBELIA	Pkt.
LOBELIA CARDINALIS (Cardinal Flower). Height 2 ft.	\$0.10
LUPINUS	
LUPINUS . B. Mixed, all colors. Height 1 to 4 ft.	.10
(Jerusalem Cross). B. Favorite hardy plants for borders and shrubbery.	
LYCHNIS	
Chalcedonica . Bright scarlet. Height 2 ft.	\$0.10
Haageana Hybrida . Finest mixed. Height 2 ft.	.10
MARVEL OF PERU	
MARVEL OF PERU (<i>Mirabilis Jalapa</i>) (Four O'clocks). This well-known plant has few rivals for beauty, expanding in the afternoons and continuing open all night. Finest mixed. Height 2 ft.	.10
MATRICARIA	
MATRICARIA EXIMIA (Feverfew). B. Double white, very handsome, showy flowers, continuing a long time in bloom. Height 2 ft.	.10



HOLLYHOCK

MIMULUS	Pkt.
Brilliant perennials flowering for the first season if sown early; also suitable for pot-culture	
Cardinalis (Scarlet Monkey Flower). Dark red. Height 1 1/2 ft.	.10
Tigrinus grandiflorus . Finest mixed, spotted and tigered varieties. Height 1 1/2 ft.	.10
MUSK PLANT	
MUSK PLANT (<i>Mimulus moschatus</i>). Yellow; a universal favorite. Height 1/2 ft.	.10
MYOSOTIS	
(Forget-me-not). B. Very beautiful and much prized for spring flowers.	
Azorca . Dark blue. Height 3/4 ft.	.10
Alpestris . Light blue. Height 3/4 ft.	.10
Dissitiflora . Brilliant blue, earliest flowering. Height 3/4 ft.	.15
Palustris semperflorens . Bright blue. Height 1 ft.	.10
Victoria—Sky Blue . Compact growth, double globular flowers, excellent for bedding or pot culture.	.10
Victoria—Rose . Similar to above, rose color.	.10

NIEREMBERGIA	
NIEREMBERGIA GRACILIS . Silvery lavender. Excellent for hanging-baskets, edgings, etc. Height 1 ft.	.10

OENOTHERA	
OENOTHERA LAMARCKIANA . A grand Evening Primrose, with long spikes of yellow flowers. Yellow. Height 4 ft.	.10

OXALIS	
OXALIS (Shamrock, or Wood Sorrel). Delightful little plants for edging, hanging-baskets and rockwork.	
Rosea . Pink. Height 1/2 ft.	.10
Tropaeoloides . Yellow. Height 1/4 ft.	.10

PETUNIA	
Culture —The Petunia is a hardy Perennial, producing the most showy flowers in the greatest profusion. For bedding purposes or garden decoration, it is indispensable. It succeeds best in sunny location. Sow the seed very shallow and keep moist. The Single Petunia is of the easiest culture—seeds itself when once planted and grows in any soil that will sustain plant life. Very ornamental, free-flowering plants, for bedding in masses or borders.	
Single Inimitable . Blotched and striped, very handsome. Height 1 ft.	Pkt. \$0.10
Giants of California . Very large, ruffled and fringed, extra fine mixed. Height 1 ft.	.25
Fringed . Large-flowered, superb mixed. Height 1 ft.	.25
Blood Red . Single, compact and free flowering, exceptionally fine for bedding.	.10
White . Height 1 ft.	.10
Rosy Morn . Carmine pink with white throat, dainty and effective border.	.10
Good Mixed . Height 1 ft.	.10
Double Fringed . Superb mixed. Height 1 ft.	.50
Double Extra Fine . Mixed. Height 1 ft.	.25

PENSTEMON	
B. Fine herbaceous perennials, very showy in mixed borders	
Hartwegi Grandiflorus . New large-flowered mixed. Height 2 ft.	\$0.15
Finest Mixed . Height 2 ft.	.15

PHLOX	
PHLOX: PERENNIAL . B. A very showy, handsome plant. Finest mixed. Height 2 ft.	\$0.10

PINK	
(See Dianthus)	
POLEMONIUM	

POLEMONIUM COERULEUM (Jacob's Ladder). An old-fashioned English perennial, used in mixed borders. Blue. Height 2 1/2 ft.	.10
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POINCIANA	
GILLIESI (Bird of Paradise). A rare evergreen perennial plant. Flowers golden yellow with long exserted pistils of bright crimson. The plant forms a small shrub with very ornamental, fern-like foliage.	.25

POLYANTHUS	
Charming early-flowering plants, beautifully laced and edged.	
Grandiflora . Large flowering; finest mixed.	.25
Choice Mixed . Height 1/2 ft.	.10

CALIFORNIA NATIVE FLOWER SEEDS

Collections

Souvenir Collection of 15 Choice Varieties of California Native Flower Seeds..... Pkt. \$0.50

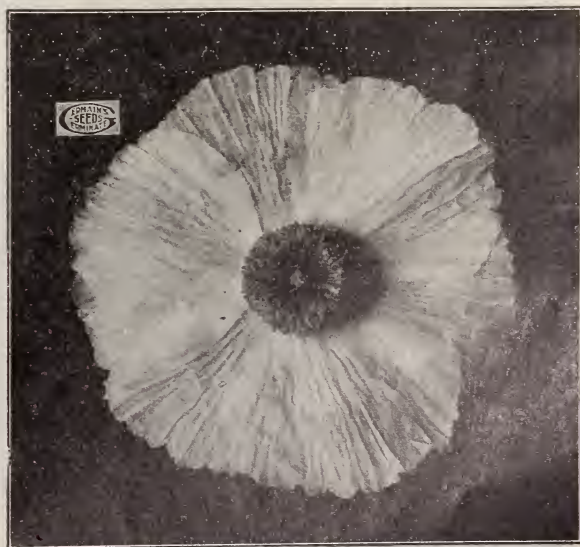
Eight Beautiful Varieties of California Poppies, In crimson, yellow, white and shaded sorts..... Pkt. \$0.50



NASTURTIUM—TOM THUMB. See page 67.

- BLOOMERIA AUREA (Golden Stars). Golden yellow clusters..... Pkt. \$0.10
- COLLINSIA BICOLOR (Innocence). Shaded white, lilac and rose-purple..... .10
- DELPHINIUM CARDINALE (Scarlet Larkspur). Magnificent perennial; flowers intense bright scarlet. Height 3 to 5 ft..... .10
- DICENTRA CHRYSANTHA (California Bleeding Heart). Perennial; orange-yellow. Height 3 to 5 ft..... .15
- DODECATHEON CLEVELANDI (Shooting Star). Perennial; purple, bordered with yellow. Height ¾ ft..... .15
- EMMENANTHE PENDULIFLORA (Whispering Bells). Bushy annual; small, light yellow, bell-shaped flowers. Height 1 to 1½ ft..... .15
- ESCHSCHOLTZIA. The well-known California Poppy. The Golden West is a fine variety producing very large flowers, of a light canary-yellow color, with an orange blotch at the base of each petal, forming a maltese cross in the center of the flower. Seven new and splendid California Poppies: Tango, Mauve Beauty, Purple glow, Lovely, Scarlet Beauty, The Geisha, Vesuvius. For description see Novelty List. Pkt. Collection: One packet of each of the above..... 1.25
- California. Yellow. Height 1 ft..... .10
- Canaliculata Rosea. Fluted flowers, rosy pink, 1 ft..... .10
- Chrome Queen. Clear chrome yellow, 1 ft..... .10
- Deep Orange. Height 1 ft. (True Calif. Poppy)..... .10
- Fringed Yellow. New type fringed petals..... .10
- Golden West. Canary-yellow and orange. Height 1 ft..... .10
- Mandarin. Orange and mandarin red. Height 1 ft..... .10
- Mikado. Orange crimson..... .10
- Rosy Queen. Rose pink..... .10
- Thorburni. Coppery orange..... .10
- Waller's Crimson. Carmine crimson, improved strain.... .10
- White. Re-selected pure white..... .10
- Collection 12 separate Colors..... 1.00
- Mixed. Many shades of crimson, pink, orange and yellow. .10
- Mixed Double. Orange, white and pink..... .10

- LATHYRUS SPLENDENS (Pride of California). Magnificent perennial climbing pea; produces abundant, large, rich crimson flowers in clusters of ten or more. Height 6 to 10 ft..... Pkt. \$0.15
- LAYIA CALLIGLOSSA (Tidy Tips). A pretty annual; flowers yellow tipped with white; petals daisy-like, but broader, and with serrate tips. Height 6 to 12 inches..... .10
- LAYIA GLANDULOSA (White Daisy). Annual flowers, pure white and daisy-like, but petals broader and with serrate tips. Height 6 to 12 inches..... .10
- LEPTOSYNE STILLMANI. A pretty annual, with compact, bushy, thin-cut leaves; flowers golden yellow, 1 inches in diameter. Height 1 ft..... .15
- LILAC CALIFORNIA. Light blue. (California Soap Plant)..... .15
- LILAC CALIFORNIA (California Soap Plant). White..... .15
- LIMNANTHES DOUGLASI (Meadow Foam). Yellow flowers; 4 inches high..... .10
- LUPINUS NANUS. Dwarf. Fragrant; rich blue and white..... .10
- MENTZLIA LINDLEYI (Blazing Star). Showy yellow flowers; 2 to 3 ft..... .10
- NEMOPHILA INSIGNIS (Baby Blue Eyes). Annual; sky-blue flowers. Height 4 to 6 inches..... .10
- NEMOPHILA MACULATA. White with purple blotches.... .10
- NEMOPHILA. Mixed..... .10
- PENTSTEMON SPECTABILIS ("Blue Pentstemon"). Large spike of deep blue flowers; grows to height of 3½ to 7 ft..... .10
- PHACELIA PARRYI. Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 inches..... .10
- PHACELIA WHITLAVIA (Wild Canterbury Bells). Annual, deep violet purple, 1½ ft..... .10
- PLATYSTEMON CALIFORNICUS (Cream Cups). Annual; poppy-like. Height 8 to 10 inches..... .10
- ROMNEYA COULTERI (Matilija Poppy). The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. Height 6 to 10 ft..... .10
- VIOLA PEDUNCULATA (California Yellow Violet). Sometimes called "The Yellow Johnny Jump-up." A fine little native. Flowers are yellow, blotched with brown. .15



ROMNEYA COULTERI

TREE AND SHRUB SEEDS

All those varieties quoted at less than 50 cents per ounce we supply at 10 cents per packet. All those quoted at 50 cents and upwards we supply at 15 cents per packet.

ACACIA

- Baileyaformis**. Ounce 60 cents, pound \$6.00.
Cultriformis (Knife-leaved Acacia). Ounce 50 cts., pound \$5.00.
Dealbata (Silver Wattle). Ounce 40 cents, pound \$4.00.
Decurrens (Green or Black Wattle). Ounce 40 cents, pound \$4.00.
Floribunda. Ounce 50 cents, pound \$5.00.
Latifolia. Height 40 ft. Ounce 50 cents, pound \$5.00.
Limifolia (Flax-leaved). Height 8 ft. Packet 15 cents.
Lophantha (Cape or Crested Wattle). Ounce 20 cents, pound \$2.00.
Melanoxylon (Blackwood). Ounce 40 cents, pound \$4.00.
Mollissima (Green Wattle). Ounce 50 cents, pound \$5.00.
Podalyricifolia. Packet 25 cents.
Pycnantha (Golden Wattle). Ounce 40 cents, pound \$4.00.
Saligna (Willow-leaved Acacia). Ounce 40 cents, pound \$4.00.
Verticillata. Fine for lawns or groups. Packet 25 cents.

- BORONIA MEGASTIGMA**. A beautiful little shrub; Packet 50 cents.
BRACHYCHITON ACERIFOLIUM (Flame Tree). Oz. 50 cents.
BUXUS SEMPERVIRENS (Evergreen Box). Oz. 40 cents, pound \$4.00.
CALLISTEMON R GIDUS (Bottle Brush). Ounce \$1.50.
CAMPHORA OFFICINALIS (Camphor Tree). Oz. 35 cents, pound \$3.50.

CASUARINA

- Quadrivalvis** (Coast She-Oak). Ounce \$1.50.
Stricta (She-Oak). Ounce \$1.50.
Suberosa (Erect She-Oak). Ounce \$1.50.
Terulosa (Forest She-Oak). Ounce \$1.50.

- CEDRUS DEODORA** (Himalayan Cedar). Oz. 75 cents, pound \$7.50.
COPROSMA BAURI. Ounce \$1.00.
CORONILLA GLAUCO. Packet 15 cents, ounce 75 cents.
CRYPTOMERIA JAPONICA (Japan Cedar). Ounce 75c, pound \$7.50.

CUPRESSUS

- Arizona** (Blue Cypress). Ounce 50 cents, pound \$5.00.
Lawsoniana (Lawson's Cypress). Ounce 50 cents, pound \$5.00.
Macrocarpa (Monterey Cypress). Ounce 35 cents, pound \$3.50.
Sempervirens (Italian Cypress). Ounce 50 cents, pound \$5.00.

- CYDONIA JAPONICA** (Japanese Quince). Pkt. 15 cents, oz. \$1.00.
FIGUS MACROPHYLLA (Moreton Bay Fig, or Long-leaved Rubber Tree). Height 10 ft. Ounce \$1.50.

- GENISTA CANARIENSIS**. Ounce 75 cents.
GREVILLEA ROBUSTA (Silky Oak, or Australian Fern Tree). Height 150 ft. Ounce 75 cents. Pound \$7.50.
JACARANDA OVALIFOLIA (Brazilian Jacaranda). Pod 5 cents.
LIBOCEDRUS DECURRENS (California Red Cedar). Ounce 50 cents, pound \$5.00.

- LIGUSTRUM JAPONICUM** (Japan Privet). Ounce 25 cents, pound \$2.50.
LIGUSTRUM NEPALENSE (Small-leaved Privet). Oz. 25 cents, pound \$2.50.

- MAGNOLIA GRANDIFLORA** (Large flowering Magnolia). Ounce 50 cents, pound \$5.00. Seed furnished in December.
NANDINA DOMESTICA. Ounce \$1.00.
PARKINSONIA ACULEATA. Packet 25 cents.

PINUS

- Coulteri Macrocarpa** (Big Cone Pine). Ounce 60 cents, pound \$6.00.
Insignis (Monterey Pine). Ounce 50 cents, pound \$5.00.
Lambertiana (Sugar Pine). Ounce 40 cents, pound \$4.00.
Maritima (Seaside Pine). Ounce 15 cents, pound \$1.50.
Parr yana (Mexican Pine). Ounce 50 cents, pound \$5.00.
Ponderosa (Yellow Pine). Ounce 40 cents, pound \$4.00.
Sabiniana (Digger Pine). Ounce 40 cents, pound \$4.00.
Torreyana. Ounce 50 cents, pound \$5.00.

PITTSOPORUM

- Nigricans**. Height 10 ft. Ounce 50 cents.
Tobira. Ounce \$1.00.
Undulatum. Per pkt. 15c. Per oz. 75c.

- POLYCALA GRANDIFLORA**. Packet 25 cents.
SCHINUS MOLLE (Mexican Pepper Tree). Ounce 10c, pound \$1.00.
SCIADOPYTIS VERTICILLATA (Japan Umbrella Pine). Very ornamental. Height 60 ft. Ounce \$1.25.

SEQUOIA

- Gigantea** (California Big Tree). Ounce \$1.00, pound \$12.00.
Sempervirens (California Redwood). Ounce 50 cents, pound \$5.00.

STERCULIA

- Diversifolia** (Brachyhiton populneum). Oz. 60 cents, pound \$6.00.
Platanifolia (China Parasol Tree). Ounce 50 cents, pound \$5.00.

THUJA

- Occidentalis** (American Arborvitae or White Cedar). Ounce 50 cents, pound \$5.00.
Orientalis (Chinese Arborvitae). Ounce 40 cents, pound \$4.00.
VIBURNUM TINUS (Laurustinus). Ounce 50 cents, pound \$5.00.

EUCALYPTUS

- Citriodora** (Lemon scented Gum). Per ounce \$2.00.
Cornuta (Yate Tree). Height 100 ft. Per ounce \$1.00.
Corynocalyx (Sugar Gum). Ounce \$1.00, pound \$9.00.
Diversicolor (Karrri Gum). Ounce \$2.00, pound \$16.00.
Ficifolia (Scarlet flowering Gum). 25 seeds 25 cts. 100 seeds \$5 cts.
Globulus (Tasmanian Blue Gum). Ounce 75 cents, pound \$9.00.
Goniocalyx (New South Wales Blue Gum). Ounce \$1.00.
Leucocylon (Victorian Ironbark). Per ounce \$1.00.
Maculata (Spotted Gum). Per ounce \$1.00.
Paniculata (White Ironbark). Per ounce 75 cents.
Ptilularis (Black Butt). Height 300 ft. Per ounce \$1.00.
Piperita (Peppermint Gum). Per ounce \$1.00, pound \$10.00.

EUCALYPTUS—Continued

- Polyanthema** (Australian Beech or Red Box). Ounce 75 cts., pound \$9.00.
Regnans (Royal Mountain Ash). Per ounce \$1.25.
Robusta (Swamp Mahogany). Per ounce 75 cents, pound \$8.00.
Rostrata (Red Gum). Ounce 50 cents, pound \$5.00.
Rudis (Desert Gum). Per ounce \$1.00, pound \$10.00.
Saligna (Weeping Gum). Height 75 ft. Per ounce \$1.00.
Siderophloia. (Dark or Broad-leaved Ironbark). Ounce \$1.00.
Stuartiana (Apple-scented Gum). Height 100 ft. Per ounce \$1.00.
Tericornis (Gray Gum). Per ounce 75 cents, pound \$9.00.
Viminalis (Manna Gum). Per ounce 75 cents, pound \$7.50.

- CALYCANTHUS FLORIDUS** (Carolina Allspice). Ounce 50 cents, pound \$5.00.
CATALPA SPECIOSA (Indian Bean Tree). Ounce 60 cents, pound \$6.00.

- CERATONIA SILVIA** (St. John's Bread). Oz. 25 cents, pound \$2.50.
FRAXINUS VELUTINA (Arizona Ash). Ounce 50 cents.
GLEDITSCHIA TRIACANTHOS (Three-horned or Honey Locust). Ounce 30 cents, pound \$3.00.

- MACLURA AURANTIACA** (Osage Orange). Oz. 20 cents, pound \$2.00.
MELIA AZEDERACH SPECIOSA (Texas Umbrella Tree). Height 40 ft. Ounce 15 cents, pound \$1.00.
PAULOWNIA IMPERIALIS (Empress Tree). Ounce 50 cents, pound \$5.00.

- ROBINIA PSEUDACACIA** (Yellow or Black Locust). Height 60 ft. Ounce 25 cents, pound \$2.50.

SYRINGA

- Vulgaris** (Purple Lilac). Ounce 35 cents, pound \$3.50.
Vulgaris alba (White Lilac). Ounce 35 cents, pound \$3.50.
VIBURNUM OPULUS (Snowball, or Guelder Rose). Height 15 ft. Ounce 35 cents, pound \$3.50.

PALM SEEDS

CHAMAEROPS. The various species of Chamaerops are found scattered through southern Asia, northern Africa, semi-tropical North America and the South of Europe. Leaves fan-shaped; fruit a one-seeded berry.

- Excelsa** (Hardy Fan Palm). Ounce 15 cents, pound \$1.50.
Humilis (Dwarf Fan Palm). Ounce 20 cents, pound \$2.00.
COCOS PLUMOSA. 10 seeds 25 cents, per 100, \$2.00.
ERYTHEA
Armata (Brahea glauca) Blue Palm. Elegant Fan Palm. 10 seeds 25 cents, 100 seeds, \$2.00.
Edulis (Brahea edulis). 10 seeds 15 cents, 100 seeds, \$1.00.

PHOENIX

- Canariensis**. 10 seeds 10 cents, 100 seeds, 50 cents.
Dactylifera. The Date Palm. Ounce 20 cents, pound \$1.50.
Reclinata. 10 seeds 15 cents, 100 seeds \$1.00.

- SEAFORTHIA ELEGANS**. 10 seeds 15 cents, 100 seeds \$1.00.
WASHINGTONIA
Riflora. California Fan Palm. Ounce 10 cents, pound \$1.00.
Robusta. A robust Fan Palm. Ounce 25 cents, pound \$2.50.

DECORATIVE PLANT SEEDS

AGAVE. Six fine varieties, viz., Americana, Densiflora, Heteracantha, Salmiana, Victoria Regina and Verchaffelti. Each, packet 15 cents. The collection of six varieties for 75 cents.

DRACAENA

- Australis** (Cordylina indivisa). Packet 15 cts., ounce 75 cts.
Indivisa (Cordylina indivisa). Ounce 35 cents, pound \$3.50.
YUCCA. Six fine varieties, viz., Aloefolia fol. var., Augustifolia, Filamentosa, Quadricolor, Tricolor and Whipplei. Each, packet 15 cents the collection of six varieties for 75 cents.

FRUIT TREE SEEDS

- ALMOND, BITTER** (*Prunus amygdalus communis*). Pound 50 cents, 100 pounds, market price.
APPLE, FRENCH CRAB. Superior stock. Ounce 25 cts. pound \$2.50.
APRICOT (*Prunus Armeniaca*). Pound 20 cents.
CHERRY MAHALEB (*Cerasus communis*). Ounce 25c, lb. \$2.50.
LOQUAT (*Eriobotrya Japonica*). Ounce 10 cents, pound 60 cents.
PEAR (*Pyrus Ussuriensis*). Ounce 75 cents, pound \$7.50.
PLUM (*Myro balan*). Ounce 20 cents. Pound \$2.00.
QUINCE (*Cydonia communis*). Ounce 50 cents, pound \$5.00.
WALNUT. Prices will be given on application.
WALNUT, SOFT SHELLED (*Juglans regia*). Pound 60 cents.
WALNUT (Black California). Price 15 cents per pound.

SMALL FRUIT SEEDS

- CURRENT, BLACK**. Pkt. 10 cents, oz. \$1.50.
Red. Pkt. 10 cents, oz. \$1.50.
Large Mixed. Pkt. 10 cents, oz. \$1.50.
GOOSEBERRY. Large English Mixed. Pkt. 25 cts., oz. \$5.00
GUAVA, STRAWBERRY. Pkt. 10 cents, oz. 50 cents, pound \$5.00.
GUAVA, PINEAPPLE (*Feijoa Sellowiana*). Packet 25 cents.
RASPBERRY, FINEST SORTS MIXED. Pkt. 10 cts., oz. \$1.50.
ROSELLE. 10 cts. oz. packet. 75 cents per ounce.
STRAWBERRY, LARGE MIXED. Pkt. 10 cents, oz. \$1.50.
Red Alpine. European wild strawberry. Pkt. 10 cts., oz. \$1.50.

NURSERY DEPARTMENT

We take pleasure in presenting to you the plant section of our 1922 catalogue. Contained in the various pages which we have devoted to trees, plants and shrubs will be found a collection of stock of the very finest quality which it is possible to produce.

Aside from the quality of the plants it is replete with many fine novelties. We direct your attention to the superb new Roses which we are offering for the first time this season. They are varieties which should be in every rose garden. They offer a distinct advance by way of color, form, etc.

Our collection of Roses, herbaceous and perennial plants is one of the most up-to-date in this section of the country. The new Iris, Phlox, Pelargoniums, Chrysanthemums and numerous other classes of plants to be found in the following pages are well worthy of your attention. If you desire to obtain the best results in your gardening efforts we believe you will find a careful perusal of these pages well worth while.

There is one matter to which we desire to call the attention of our customers. It is this—during the past few years the overhead cost in the maintenance of our nursery department has greatly increased, in common with almost every other line of business. The tremendously increased cost in labor, packing materials and the various other incidentals that apply to preparing a shipment in proper form so that it will reach the customer in good condition, makes it necessary for us to place a minimum on the size of the order that we can profitably ship. In former seasons we received many plant orders for small sums ranging from 10c, 20c, 35c, etc., wherein the actual cost of packing material and the labor involved consumed all the profit, and in fact, entailed a loss in the handling of the orders.

As a result, therefore, we will not be able to fill shipping orders for plants wherein the order amounts to less than \$1.00. We would state, however, that this rule does not apply to plants which are delivered locally from our store.

SHIPPING Express shipments of Nursery Stock travel under what is known as the "General Special" Rate; which is 20 per cent less than the first-class rate. We would advise having small shipments go by express, for while the cost is somewhat more than by freight, the difference is often more than made up by the prompt delivery and careful handling.

NON-WARRANTY. We exercise the greatest care in the selection, packing and labeling of plants and trees, but give no guarantee, express or implied, as to their growth, productiveness, quality, or any other matter of any trees, plants or seeds that we send out, and will not be in any way responsible for crops. If the purchaser does not accept the goods on these terms, they must be returned at once.

SUBSTITUTION. Where particular varieties are ordered and particular ages and sizes of trees, kinds of stock, etc., it should be stated whether and to what extent substitution will be allowed in case the order cannot be filled to the letter. Where no instructions in this respect accompany the order, we shall feel at liberty to substitute other varieties as nearly similar as possible. If the selection of varieties is left entirely to us, we shall endeavor to send only such sorts as are acknowledged to give general satisfaction.

AS USUAL, six of any one certain variety, will be furnished at doz. rates; 50 at 100 rates; 500 at 1,000 rates.

CLAIMS. Should any errors occur we desire to be informed upon receipt of goods, that we may rectify them without delay. All claims must be filed within ten days after the arrival of shipments. No plants shipped C. O. D.



See page 90

CAUTION. Be careful in unpacking to note everything, and either plant, or cover up with moist soil at once. Moist the roots, and do not allow them to become dry.

PLANTING. Dig holes large enough to allow the roots of the tree to spread out in their natural position, carefully placing the finest and best soil from the surface in among the roots; when the soil is nearly filled in, thoroughly settle the earth by filling the hole with water; after it settles, fill in the remainder of earth. In most soils, the use of water to settle the earth is much better than treading the soil with the foot.

AFTER CULTURE. The ground should be kept loose and free from weeds. It is advantageous in a dry climate to throw around the tree, for a distance of two or three feet each way, a mulch of rough manure or litter. It prevents the ground from drying out and baking.

PLANT AND SEED ORDERS should be kept separate, as during our rush season we may run short of some varieties of plants or trees and this sometimes causes a slight delay in receiving consignments from our various growing grounds. The rush of business is terrific during the winter and spring in the Nursery Department and orders cannot always be shipped at once. With our present facilities we hope to have but few delays in filling orders, but in cases where the nursery stock cannot be shipped at once, the seed orders will be shipped at once, and balance of order will follow when ready.

GERMAIN'S NOVELTIES FOR 1922

SEVEN WONDERFUL DAHLIAS

George Walter (Cactus)—One of the most magnificent Dahlias ever introduced. In color delightful shade of crushed strawberry rose with a suffusion of bronze. The blossoms are borne on stout, sturdy stems well above the foliage, petals long and more or less incurved. Remarkable for its immense size, the blossoms even when grown on stems which have not been disbudded, attain a diameter of 8 to 10 inches. Each 75c.

Bianca (Cactus)—An exquisite variety, unique in color, beautiful in form. The blossoms are held perfectly erect on the strong stiff stems. The color is an unusual shade of rosy lilac with white shadings. Each 75c.

Mary C. Burns (decorative)—Easily one of the finest decorative Dahlias of recent introduction. Color a wonderful shade of luminous old gold. The reverse or under side of the petals having a reddish cast. A combination of color which is at once distinct and novel. \$1.50.

Pride of California (decorative)—This variety bears enormous flowers somewhat similar in form to the well known variety, Minnie Burple. The color is richer and the flowers of greater size. Splendid cut flower variety as the flowers last. Stems stiff and strong. Each 50c.

Condor (Show Dahlia)—A little known variety, in color buff with orange shadings. Show Dahlias are becoming very popular at the present time and this variety will prove a worthy addition to any collection. Each 50c.

Polar Bear (decorative)—This variety is easily the finest white decorative Dahlia extant. Blossoms are a glistening snow white, so pure in tone, that they suggested the name Polar Bear. Flowers grown under ordinary conditions without disbudding, attain a diameter of 7 to 8 inches. The blossoms on disbudded stems will reach a diameter of 10 inches. The petals are prettily channeled, well arranged. The flowers are double to the center and the stems are absolutely rigid. The flowers are well poised above the handsome foliage of the plant. As a cut flower variety, this new sort is absolutely unequalled. Blossoms retain their full beauty several days after being cut. Aside from its value in the amateur's garden we predict that when better known it will prove to be a leader for florists work. Stock this year is limited and orders will be filled in rotation as received. Price \$2.50 each.

Mabel R. Taft (decorative)—A giant yellow Dahlia, distinctly suffused with pink. Blossoms remarkable as to size stems and keeping qualities good. A recent introduction of superlative merit. It should be in every good collection. Each \$2.50.

One each of the above seven varieties, \$7.00.



SIX RARE AND BEAUTIFUL JAPANESE CHRYSANTHEMUMS

Richmond—Form incurved. Color bright golden yellow. Variety remarkable for its splendid form. Perfect doubleness and silk-like finish. Each 50c.

Whittier—Deep orange yellow. A late variety bearing enormous flowers. Foliage large and leathery. A splendid exhibition variety. Each 50c.

Liberty Bond—A glistening snowy white. Form incurved. Flowers of remarkable size, poised on strong stems, above the ample leathery foliage. Each 50c.

Midnight Sun—One of the deepest yellow Mums in cultivation today. Its tone of yellow even surpasses that to be noted in the splendid variety Marigold. Perfect in stem, foliage and color. Each 50c.

Betsy Ross—A magnificent flower of large size. Form when fully developed, a perfect sphere. Color rich golden yellow. Each 50c.

Silver King—Rich silvery white. One of the best introductions in White Chrysanthemums which has come to our notice in a long time. Form incurved. Large as to size, perfect finish. Each 50c.

Special offer—one strong plant of each of the collection at \$2.25.

Novelties and Specialties for 1922

Germain's New Tuberos Rooted Begonias

GERMAIN'S PRIZE SINGLE BEGONIAS

This section contains a wide range of colors. The series is replete with wonderful shades of orange, rose, carmine, crimson, pure white, and salmon, and includes besides the self colors noted above, some handsome variegated forms. Well grown plants of this strain will produce flowers ranging from 5 to 6 inches in diameter, the petals unlike the crested and frilled Begonias in the section noted above have smooth, rounded petals; in fact, the blossoms are almost circular in form. For bedding purposes these Begonias are absolutely unexcelled. The immense blossoms are borne erectly on stout stems, well above the foliage. Strong pot grown plants ready for delivery *May 1st*, each 35c, per dozen \$3.50.

GERMAIN'S PRIZE DOUBLE BEGONIAS

A grand type of the double tuberous-rooted Begonias—the flowers are not only of immense size, but ideal as to shape. Many are camellia shaped form and others wherein the petals are more after the style of a perfect rose. The blossoms attain a diameter of 5 inches. These Begonias, although of an ultra refined type, are as easily grown as either of the other two varieties noted on this page. Price of 3-inch plants, ready for delivery from 3-inch pots, each 50c, per dozen \$5.00.



Germain's

SINGLE FRILLED
TUBEROUS ROOTED BEGONIA

GERMAIN'S NEW SINGLE FRILLED TUBEROUS-ROOTED BEGONIAS

A superb new strain of single Begonias bearing throughout a long period, usually extending from May until November, an endless succession of handsome frilled mammoth sized blooms. In this splendid strain the margins of the petals are beautifully waved, crimped or crinkled, the character of which is well shown in the accompanying engraving. The blossoms are borne on strong, stout stems and attain a diameter of 5 to 6 inches. The color series in this new class is one of matchless beauty, ranging from the purest snowy white through all the various shades of yellow, orange, salmon, rose, pink, and carmine to deepest crimson. As bedding plants for shady locations these Begonias will prove of great value.

We can supply the Tubers in dormant condition from January to the end of April, after that period they will be supplied as growing plants in pots. Price of dry bulbs or pot grown plants 50c each, \$5.00 a dozen.

NOTE: We strongly recommend that our customers place their orders for the growing plants in pots.



Germain's
YELLOW
PRINCE
CHRYSANTHEMUM

See Page 93

**A NEW GIANT HONEYSUCKLE
LONICERA HILDEBRANDII**

This new Honeysuckle was introduced from China several seasons ago, but up to the present we have been unable to obtain a stock of sufficient size to offer our customers, owing to the fact that it is very difficult of propagation. This Honeysuckle is absolutely distinct from any of the common garden varieties. The blossoms are over 6 inches long, the open face of the flower is fully an inch wide, the foliage is a beautiful shade of light green and the leaves on the fully grown plants attain a length of 6 to 8 inches. It is intensely fragrant and deep, rich golden yellow in color. This wonderful new Honeysuckle is principally suited to warm sections; it will not withstand much frost. If you desire something different in the way of a climbing vine, this superb new Honeysuckle will certainly please you. Only a limited stock to offer this season. Strong plants from pots, each \$1.00.

ROSES

For the newest Roses, see pages 89 to 92



Honeysuckle
LONICERA
HILDEBRANDII

NEW ANEMONE FLOWERED DAHLIAS

The general tendency in growers of fine Dahlias has been to see how large the flowers could be developed. In this new strain an absolutely new type is shown, wherein the flowers are quite small, but possess a daintiness and beauty not found in any of the larger class. The center petals are of a cushion-like effect, similar to that to be seen in the Marguerite, Mrs. Sander, or in a large flowered Scabious. The ray petals are broad and are often of a distinct color to the center of the flower, presenting a highly contrasting effect. The plants are dwarf in habit and the blossoms are borne well above the foliage on strong wiry stems. The color variations to be seen are very marked, ranging from purest white, through the various shades of orange, pink, bronze, carmine, yellow, crimson, etc. The effect of a vase of these flowers is very telling indeed, and there is nothing in the Dahlia line to approach them for brilliancy of color. They are splendid for cut flowers. Strong plants, each 50c, dozen \$5.00.



Germain's
Roses
MRS. F. DENNISON

See page 90

Novelties and Specialties for 1922**WM. F. DREER ROSE**

A beautiful Rose of the same parentage as Los Angeles, and which, for delicacy of coloring, is not comparable to any other variety, it reminding one of the delicate tints of some varieties of water lilies. 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 to the entire flower, this golden suffusion being particularly brilliant early and late in the season. Strong, two-year-old plants, \$2.50 each.

**FIVE SPLENDID NEW HIBISCUS**

Among the various shrubs suitable for planting outdoors in the more temperate sections, there are but few plants which will exceed in beauty, well grown plants of Hibiscus. Nearly all of our customers are acquainted with double red or the peach-blow types of Hibiscus. This new set which we are offering, are so distinct that they border on the sensational. The colors are not only new, but the flowers are distinct as to form.

Calliope—One of the most attractive Hibiscus of this set. The flowers are single. The center of the flower shows a dark crimson eye bordered by a red zone, gradually emerging to buff yellow, the reverse of the petals being pink and yellow. Each 75c.

Euterpe—Large single broad petaled flowers. In color deepest yellow veined with red. Center of the flower bright red. Each 75c.

Grandiflorus—Immense single flowers. In color a deep even shade of rose. Very fine. 75c.

Eurania—Large single flowers. Petals light salmon with faint pink nerves. The center of the flower light pink. Each 75c.

Feuenessey—Flowers single. In color an excellent shade of salmon pink. Flowers are of medium size, freely produced. Center of blossom deep crimson. A unique and delightful color combination. Each 75c.

Special Offer: One each of the above Hibiscus, \$3.00.

GERMAIN'S CHOICE ROSES

Our stock of Roses for the present year is finer than ever and we direct your attention to the splendid novelties which we are offering for the first time. During the months of January, February, March and April we can supply them as dormant or bare root plants. From July on, they will be sent out as balled plants. All plants are heavy, two-year-old stock which will give immediate and splendid results.

THE WONDERFUL PRIZE WINNING ROSE "LOS ANGELES"

No words can adequately convey the wondrous beauty of this superb novelty. Its fame is already world-wide and its popularity ever increasing. It is the Gold Medal Rose of the year, winning at Paris, France, in June, 1918, the coveted Gold Medal awarded by the City of Paris in the Rose trials at the Bagatelle Gardens, Bois de Boulogne Park. This in competition with Roses from all parts of the world.

It is a Rose without a fault. It is strong in growth, sending out enormous canes clothed with dark, handsome foliage. The foliage is mildew proof. It is hardy, deliciously fragrant and during the spring, summer and autumn months produces an endless succession of ravishingly beautiful blossoms. The buds are long and pointed and expand to a flower of glorious size. Its color is of transcendent beauty, being an indescribable tone of flame pink, with superb golden yellow shadings at the base of the petals. The color combinations in the open flower possess a fire and intensity not found in any other Rose. Our stock for the present season is limited. Extra strong, two-year-old plants, \$1.50.

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. Highly recommended. Each, \$1.50. See cut page 85.

ADMIRAL WARD

A magnificent new crimson Rose, with large globular flowers. Foliage dark, bronzy green. Each \$1.00.

EDGAR M. BURNETT

Extra large flowers of fine shape and form. Petals of immense size, color flesh tinted with rose. An exceedingly sweet scented variety and unexcelled for bedding purposes. Each \$1.25.

EDITH PART

A handsome bi-colored Rose, the exterior of the petals being a rich rosy red, the interior suffused with salmon on a pink ground, the base of the petals shading to yellow. The buds are long and pointed, expanding into a large perfect flower. A free bloomer and very sweetly scented. Each \$1.00.

H. V. MACHIN

This magnificent new Red Rose is unquestionably one of the largest and most perfect of all Red Roses. In character of growth it is similar to Ulrich Brunner. The color is a rich, deep velvety crimson. The buds and open blooms are of immense size and absolutely perfect as to form. It is a Rose which will easily supplant American Beauty or other Roses of similar character, as it has not the blue or purple cast of shades to be noted in most dark Red Roses. In addition to its wonderful flowers, there are but few Roses with more beautiful foliage. Each \$1.00.

One each of the above collection of Roses, including Los Angeles, \$12.50

ROSES—Germain's Selection of New and Scarce Varieties

Under this heading are varieties of more or less recent introduction and such as we have given exhaustive trials to determine their merits. They are all distinct as to color and comprise a collection second to none in this country.

ANTOINE RIVOIRE. Yellow ground, tinted with rosy flesh. Each \$0.75
A superb color combination.

ARTHUR GOODWIN. A superb Rose of the Permetiana class. In color, rich orange with tinting of salmon. A unique and beautiful color. .75

BEAUTE DE LYON. A very vigorous growing variety of the Permetiana class. Color quite new in Roses. Copper, with rosy shrimp pink shadings. .75

EDWARD MAWLEY. A gold medal winner. One of the best dark velvety crimson Roses in existence. Color rich and lustrous. .75

GRANGE COLOMBE. Color white, tinted with creamy yellow. A free-grower with handsome, long pointed buds. .75

J. L. MOCK. Enormous deep rose-colored blooms, equally beautiful in bud or open flower. Throws splendid canes. An ideal cut flower variety. .75

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. .75

LAURENT CARLE. A comparatively recent introduction of French origin. In color, bright red. Very free bloomer. Mildew proof. Extra fine for bedding. .75

MRS. HILLAS. A comparatively new yellow Rose, but one, which when it becomes better known will find its place in every garden. It is what may be called a two-tone yellow Rose, the inner portion of the buds being deep rich yellow shaded to creamy yellow at the tip of the petals. .75

One each of the above collection of new and scarce varieties, including the Los Angeles Rose, 16 Roses in all, for \$12.00

GORGEOUS

Color a delightful shade of amber yellow, veined with reddish copper. Flowers large, full and of exquisite form and finish. A strong vigorous grower. Buds fairly long, open blossoms displaying its rare color combination. A Rose which attracts the eye at once. Each \$1.00.

HOOSIER BEAUTY

In our opinion, one of the finest red hybrid tea Roses in existence. A rose of American origin and one which easily out-distances any other red on the market. Flowers are of superb form, not unlike a perfect Sunburst in shape. They are beautiful either in bud or in the fully expanded bloom. The tone of color is one of those rich dark velvety reds, not unlike the color to be noted in the old variety "Black Prince." It is free in growth than McArthur, with a color which far surpasses the latter variety. Each \$1.00.

LEONIE LAMBERT

This is a new Rose which has come to stay. In color a beautiful silvery rose shaded rosy flesh. The flowers are large and well-formed. Good in either bud or open flower. A remarkable feature of this Rose is its splendid foliage, which seems to follow the stems right up to the flower. There are but few Roses in existence which have better foliage, the plants when in growth being so dense as to completely hide the stems. Mildew proof. Highly recommended. Each \$1.00.

MAD. AMBROSE RICCARDO

Honey yellow, suffused with soft saffron yellow. A splendid addition to the new class of bi-color Roses. This is a Rose of impressive size, delightfully fragrant and remarkably free flowering. Each 75c.

MADAM EDMOND ROSTAND

A wonderful combination of colors is to be noted in this Rose. The exterior of the petals are a delicate shade of flesh and salmon, while the center is a reddish orange yellow. The flowers are large, globular in form and quite double. Buds long and pointed. Each \$1.00.

MAD. 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 with yellow shadings. As the flower ages it passes to bright, rosy scarlet and shrimp red. Each \$1.00.

MRS. FRANKLIN DENNISON

This is a Rose for the million. It is one of those new colors, or rather combination of colors, which will appeal to all Rose lovers. The upper portion of the flower is pearl-pink. The base of the petals shaded with deep yellow. Immense, long, pointed buds, open blossoms of mammoth proportions. Each \$1.00. See cut page 88.

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. .75

PRIMROSE. A superb free grower and free blooming yellow Rose. A combination of apricot and dark yellow. The color in this variety is very distinct. The blossoms are large and perfectly formed and the buds ideal as to shade. Deliciously fragrant. 1.00

QUEEN OF FRAGRANCE. This beautiful new Rose has certainly been well named. It possesses the delicious fragrance to be noted in the Briar Rose. Color, beautiful shell pink, tipped with silver, a bright and pleasing color. This is a Rose we recommend to all of our customers. .75

RED RADIANCE. A sport from the well known pink form. Flowers equal in size, but of a deep, rosy red color. Buds and open flowers of mammoth proportions. Deliciously fragrant; a constant and free bloomer. An ideal Rose for cut flower purposes. 1.00

TOTOTE GELOS. Chrome yellow shading to cream, occasionally tinted white. A Rose with remarkably long, shapely buds, carried on stout stems. Quite a new color in Roses and one which, when it becomes better known, will be in great demand. 1.00

WAKEFIELD CHRISTY MILLER. A superb pink Rose. One of phenomenal size and vigorous growth. The petals have a beautifully crinkled and wavy outline at the edges. One of the best hybrid teas of its particular color. .75

MRS. S. K. RINDGE

One of our new hybrid Roses, and one which we believe will fill a long felt want by way of a good yellow Rose. The flowers are a magnificent deep golden yellow without any tints of copper, the only shade to be noted is in the buds where the outside petals are stained with Cadmium red. The bud is long and pointed and expands into a flower of immense size. As the petals age they become suffused with soft pink and create a rather curious effect, as on the same plant may be seen the bud with its deep rich yellow tones, the effect being that of a plant producing bi-colored Roses. A characteristic of most yellow Roses is the fact that as the flowers age the petals become white and faded or almost colorless, whereas in this variety the blooms take on an added charm. Some plants which were tested by one of our customers attained in one season a growth of over five feet in height. The foliage is large and leathery, with a beautiful glossy texture. This Rose will prove hardy in the East and does splendidly in California. Regarding this superb Rose, it is interesting to note that plants which were sent to various sections throughout the United States on a preliminary trial test have all done exceedingly well, and from the owners of the gardens where these trials were conducted we have received numerous letters, all of which express gratification with its behavior, its magnificent color and its robust habit of growing. Each \$2.50.



Germain's
Roses
LOLITA ARMOUR

MISS LOLITA ARMOUR

It is with pleasure that we are able to offer to our customers this season a rose of such outstanding and superlative merit as this magnificent new sort. We believe it to be one of the greatest breaks by way of color ever known in Roses. There is nothing we know of in cultivation like it. Regardless of color, we doubt if there are any more beautiful. The color is difficult of description, but may be briefly described as follows: Chrome yellow at the base, shading to burnt orange and copper. The reflex of the petals is chrome yellow at the base, shading to bright salmon with brilliant copper suffusion. The flower is quite double, the bud similar in shape to those noted in the variety Caroline Testout. As the flowers of this variety age they turn to a delightful shade of shrimp pink and copper. The flowers are more or less cup shaped and display to splendid advantage the colors noted above. We have tested this variety under all conditions. From a few sample plants sent to the East the reports have been, to say the least, glowing in their terms of praise. We have only a very few plants to offer this year. Each \$2.50.



ROSES—*Germain's* Collection of Standard and Older Bush Varieties

AARON WARD. Deep rich Indian yellow. Stems constantly throw quantities of beautiful medium size buds. Splendid for cut flowers.....	Each \$0.75	MAD. MELAINE SOUPERT. One of the most highly-prized points in a Rose is a long pointed bud. We believe it would be difficult to find one which is better than this particular variety. Remarkable also for its lovely color, which is deep yellow toned with salmon. When fully expanded it loses the deeper bud tints and becomes quite light.....	Each \$0.75
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.....	.75	MAD. SEGOND WEBER. Magnificent light rosy salmon. Buds long and pointed expanding to flowers of immense size. In this particular color there is nothing to equal it.....	.75
AUGUSTA VICTORIA. A free, healthy grower, with splendid foliage and superb buds. Pure white, occasionally tinted with cream at the center of the open flowers.....	.75	MRS. A. R. WADDELL. Reddish apricot toned with salmon. An odd type in Roses, the petals being somewhat loose and irregular in formation. As a garden Rose it is without an equal. Before the buds expand it is ideal for cutting purposes.....	.75
BETTY. Copper Rose, shaded to golden yellow at the base. Buds long and pointed.....	.75	MRS. JOHN LAING. One of the most deliciously fragrant Roses in existence. Color a lovely shade of soft pink. An old standard Rose and still one of the best.....	.75
CAROLINE TESTOUT. Satiny pink. Flowers beautifully cup-shaped and intensely fragrant.....	.75	PAUL NEYRON. The largest Rose in cultivation. Blossoms often eight inches in diameter. Rich, deep Rose in color.....	.75
DUCHESS OF WELLINGTON. Intense saffron yellow, stained crimson. As the flower ages it becomes a deep saffron yellow. Blooms fairly full, buds long and pointed, very free flowering. Exceedingly fragrant.....	.75	TEPLITZ. An ideal red Rose for hedge purposes. Blossoms constantly throughout the year. Color velvety crimson, has a splendid constitution, good clean foliage, strong, upright canes.....	.75
FLORENCE PEMBERTON. One of the largest of all pink Roses. Aside from its remarkable size it has one of the most delightful colors of any Rose. Silvery pink on white ground.....	.75	ULRICH BRUNNER. Color a rich cherry crimson. Produces its blossoms on the end of the canes. These may often be cut with a stem length of three to four feet. Especially fine during the early spring and late autumn months.....	.75
GEN. MCARTHUR. One of the most popular and freest blooming of all red garden Roses. Color is a bright rosy crimson. It is not subject to mildew. Especially valuable for bedding purposes.....	.75	WHITE AMERICAN BEAUTY (Druschski). 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.....	.75
JOS. HILL. One of the best of all garden Roses. Not only remarkably free flowering but carrying a color which is scarce in Roses. Salmon pink shaded to copper and orange. Flowers large, perfectly double, exquisite in any stage of development.....	.75	WHITE COCHET. An exact replica of the pink with the exception of color, which is pure creamy white with tinting of pink.....	.75
KILLARNEY BRILLIANT. A sport from the well known Killarney. Much deeper in color, hence the name. Deep, rich, satiny rose, tinted with carmine.....	.75	PHARISAER. In color, a magnificent shade of salmon pink. Ideal as a bud or open blossom, in addition to which it possesses a delicious odor.....	.75
LADY HILLINGDON. One of the best of recent introductions. A lovely shade of apricot yellow. Free blooming and splendid for cut flower purposes.....	.75	PINK COCHET. Long, pointed buds, pure rich pink in color. A vigorous grower, one of the best varieties of its particular shade. Splendid for cutting purposes.....	.75
MAD. ABEL CHATENAY. Lovely shade of salmon pink, especially useful as a winter blooming Rose, in the warmer sections of the country. Buds and open flowers ideal as to form.....	.75	PINK KILLARNEY. A lovely shade of clear, soft pink. An ideal cut flower Rose, on account of its splendid bud formation. Deliciously fragrant.....	.75
MAD. LEON PAIN. Silvery pink shading to salmon, base of petals orange. Unquestionably one of the freest blooming and best all around Roses in cultivation today. Superb in either bud or open flower. A sheet of color throughout the season.....	.75	RADIANCE. A Rose of American origin and to our mind one of the best varieties in cultivation today. Buds long and pointed expanding to blooms of enormous size. Similar in shape to Caroline Testout, but in color deep rich rose pink.....	.75

GERMAIN'S SELECTION OF CLIMBING ROSES

PAUL'S SCARLET CLIMBER —One of the most sensational novelties in climbing Roses ever introduced. It is a climber with splendid foliage and glorious vivid scarlet flowers. These are borne in wonderful profusion. A plant in bloom arrests the attention at once. Although only introduced a few seasons ago from England, it has already taken a high position amongst hardy climbing Roses. For pergola effects or pillars this Rose is absolutely unexcelled. There is no variety with which we are acquainted that can equal it. This Rose will stand exceptionally low temperatures without any danger of freezing. No Rose garden, large or small, should be considered complete without a plant or two of this superb sort. We cannot do otherwise than give it the highest recommendation possible. It has already proved its worth. Each.....	\$1.00
CLIMBING CAROLINE TESTOUT. Silvery pink blossoms, identical with those of the bush form. One of the best of the climbing Roses. Plants are covered with perfect buds and open flowers during their blooming season. Quite free from mildew.....	1.00
CLIMBING CECIL BRUNNER. Identical as to flowers with the bush form of the same name. One of the best of all climbing baby Roses. Salmon pink blossoms produced in great masses during spring and autumn.....	1.00
CLIMBING DUCHESS DE AUERSTADT. Deep, rich yellow in color. In our opinion this Rose is more impressive than Marechal Neil. It is but little known, but is deserving of wide cultivation.....	1.00
CLIMBING EXCELSA. A climbing Polyantha Rose which produces large clusters of rich, crimson flowers during the early Spring. It does not mildew like Crimson Rambler and the color is far more pleasing.....	1.00
CLIMBING HENRIETTA. Bright cherry red in color. Blossoms abundantly produced.....	1.00
CLIMBING LADY ASHTOWN. One of the newer climbing Roses and one of the best pink Roses for all-around purposes. Color a deep, silvery pink, somewhat darker in its tone than Caroline Testout.....	1.00
CL. LIBERTY. A comparatively recent introduction. Bears large quantities of magnificent rich crimson buds which expand into wonderful, highly colored open flowers.....	1.00
CLIMBING PINK COCHET. A climbing form of the bush Rose of the same name. This is a sensational variety. It flowers with great freedom.....	1.00
CLIMBING VICTORIA. One of the best of all climbing white Roses. Buds identical with the bush form, but owing to its climbing habit produced in far greater profusion.....	1.00
CLIMBING WHITE COCHET. A replica of the pink form, but of a handsome shade of white, rimmed with rose on the edge of the petals.....	1.00
FRANCOISE CROUSSE. This Rose fills a long-felt want in high-colored climbers. Color, rich crimson red, blooms very velvety in texture and produced in great profusion.....	1.00
LADY GAY. Blossoms borne in immense clusters. Color, soft pink. Especially useful for growing in pots for Easter decoration.....	1.00
MARECHAL NEIL. This is one of the best and most generally known climbing Roses in existence. Produces very large and deliciously fragrant golden yellow blooms. The buds are ideal in form and expand to full and globular blooms.....	1.00
THOUSAND BEAUTIES. Entirely distinct, not only in Ramblers, but in climbing Roses, generally. The individual flowers are very large for this type of Rose. In color it is a most delicate shade of soft pink when first opening, changing to carmine on the reverse of the petals when fully expanded. Borne in large clusters.....	1.00
WILLIAM ALLEN RICHARDSON. A climbing Rose of unique color. Center of flower deep orange. Outer petals more or less creamy at margins. The buds are a pure orange tint and are excellent for cut flowers.....	1.00

GERMAIN'S COLLECTION OF CHOICE GERANIUMS

We have largely discontinued the growing of double Geraniums, as they are not equal to the singles as bedding plants. The flowers of double Geraniums do not drop when through blooming, but burn up in the truss, which renders them very unsightly.

- COUNTESS OF JERSEY.** A lovely new single Geranium of a beautiful salmon pink color and distinct white eye.....
- L'AUBE.** Undoubtedly one of the finest of all white single geraniums. Immense trusses of bloom. Color pure, snowy white.....
- PRINCE OF ORANGE.** A unique color in Geraniums and the nearest approach to an orange yet obtained. Plants dwarf and compact in habit. As a bedding variety, this superb novelty attracts attention at once.....
- SALMON PAUL CRAMPBEL.** A sport from the well-known scarlet form. Produces trusses of remarkable size, with extra large florets. Single Geraniums are the best for bedding, as the trusses clean nicely. When the flowers are done, the petals drop to the ground. In double varieties they usually dry in the truss and present a ragged, unkempt appearance. The addition of this splendid new salmon colored one will add materially to the list of our good bedding varieties.....

Price of any of the above four varieties..... .25

SPECIAL OFFER—One each of the four varieties for 75c

Single Geraniums

- | | Each | Dozen |
|--|--------|--------|
| ALICE OF VINCENNES. A lovely pure white, which merges through carmine to intense scarlet at the outer edges of the petals..... | \$0.15 | \$1.50 |
| CRABBE. One of the best of all bedding Geraniums of its color. Salmon pink, immense trusses. Extra large individual flowers..... | .15 | 1.50 |
| CERISE. Rose, suffused with orange..... | .15 | 1.50 |
| GERTRUDE PEARSON. Pure rose pink, with large white eye..... | .15 | 1.50 |
| HERRICK. Intense scarlet..... | .15 | 1.50 |
| JACQUERIE. The best of all dark crimson Geraniums..... | .15 | 1.50 |
| JOHN FORBES. Bright orange scarlet..... | .15 | 1.50 |
| PAUL CRAMPBEL. In our opinion, one of the finest of all the pure bright scarlet varieties. Individual trusses often over six inches across..... | .15 | 1.50 |
| SNOWDROP. The best of all pure whites..... | .15 | 1.50 |
| COUNTESS OF JERSEY. A lovely new single Geranium of beautiful salmon pink tone with distinct white eye..... | .25 | 2.50 |
| DR. CONDAMY. Brilliant scarlet shading to violet, center pure white..... | .15 | 1.50 |
| FRED BEAN. Bright salmon pink. Remarkable for its immense blooms and splendid free blooming qualities..... | .15 | 1.50 |
| GENERAL LEONARD WOOD. Center of flowers white, edges broadly banded with rosy carmine. A splendid variety..... | .15 | 1.50 |
| L'AUBE. Unquestionably one of the finest of all single White Geraniums. Immense trusses of bloom. Color pure snowy white..... | .25 | 2.50 |
| MARY SEATON. Large flowered scarlet with distinct white eye..... | .15 | 1.50 |
| MARY STEWART. Bright crimson with scarlet shading..... | .15 | 1.50 |
| PIERRE VEBER. Center of the flower white, gradually merging to violet purple..... | .15 | 1.50 |
| RENOMME LYONAISE. A splendid fancy Geranium, white with suffusion of rose..... | .15 | 1.50 |
| RENE BOYSLEVRE. White at the center, shading to scarlet and violet at the edges of the petals..... | .15 | 1.50 |

Ivy Leaved

On account of their trailing habit, Ivy Geraniums are especially adapted for window boxes, sunny banks, etc., or they may also be used as bedding plants. The following are amongst the best:

- | | Each | Dozen |
|---|--------|--------|
| CHARLES TURNER. Bright rose pink..... | \$0.15 | \$1.50 |
| CARLOS UHDEM. Immense double blossoms. Bright rosy scarlet..... | .15 | 1.50 |
| ETINCELANT. Bright orange scarlet..... | .15 | 1.50 |
| GRINGOIRE. Bright rosy carmine. Enormous flowers..... | .15 | 1.50 |
| LEOPARD. Similar to a Pelargonium. Ground color lavender pink, blotched crimson on the petals..... | .15 | 1.50 |
| PELADON. Handsome salmon pink..... | .15 | 1.50 |
| THE BLUSH. White, daintily tinted with rose..... | .15 | 1.50 |
| COLONEL BADEN-POWELL. Pearly white with blush tints. A remarkable break in this class of Geraniums. Flowers of immense size..... | .15 | 1.50 |
| INCOMPARABLE. A splendid shade of rosy carmine. Free blooming..... | .15 | 1.50 |

- HIS MAJESTY, THE KING.** Soft rosy scarlet. Very double and of splendid form.....
- LA FOUDE.** Brilliant orange scarlet. Extra large double blooms.....
- MRS. H. J. JONES.** Carmine rose feathered maroon on the upper petals.....
- RYECROFT SURPRISE.** A splendid variety for hanging baskets. Color soft peach pink.....
- SABRINA.** Light scarlet, semi-double and a very free bloomer.....
- WILLY.** An extra good bright scarlet.....

Double Geraniums

- DE QUIERELLE.** Distinct shade of violet purple... ..15 1.50
- LA PILOT.** Brilliant scarlet, one of the best doubles of its color.....
- MAD. LANDRY.** Clear salmon, shaded to copper, with a white eye.....
- BEAUTE POITEVILLE.** A beautiful type of semi-double Geraniums. Exquisite salmon pink flowers. Very large.....
- JEAN VIAUD.** Rosy pink with white center.....
- M. CONOVAS.** A superb dark crimson scarlet.....
- THOS. MEEHAN.** Bright pink, upper petals stained orange.....
- TRIOMPHE DE NANCY.** Carmine red with white center.....

GERMAIN'S CHOICE CANNAS

In the whole range of summer flowering plants there are but few which are more useful in the obtaining of color effects over a long and extended period than Cannas. Their principal requirements are an exceedingly rich soil and an abundance of water.

SIX SUPERB NEW CANNAS

- | | Each |
|---|------|
| AMERICAN BEAUTY. A splendid new Canna with enormous flowers of a beautiful carmine rose shade. The trusses and individual flowers are enormous. This is a new and unique shade in Cannas. Extra strong roots..... | .50 |
| BRIGHTNESS. An intense orange scarlet. Flowers of enormous size and a most intensely brilliant color. For bedding purposes it will be found exceedingly useful. Strong roots..... | .50 |
| LA FRANCE. Tall growing variety with immense flowers and trusses of a clean, even shade of pure pink. The petals are very broad and rounded. Ideal as to shape and color. Unquestionably one of the finest Cannas ever introduced. Price..... | .50 |
| GUSTAV GUMPPER. Deep rich golden yellow without a trace of any other color to mar its beauty. This is undoubtedly the finest pure yellow Canna ever introduced. A splendid effect can be obtained by planting this in conjunction with various grasses, such as the Crimson Fountain Grass, Eullias, etc. Strong roots..... | .35 |
| QUEEN HELEN. A splendid new Canna, a sport from that well-known variety, King Humbert, but differing entirely in color. The flowers are of enormous size, fully 8 to 10 inches; deep rich yellow, handsomely spotted with dark scarlet over their entire surface. The foliage, unlike that of King Humbert, is bright green. The plant attains a height of 6 to 7 feet. The tremendous size of its flowers, trusses and character of growth make it easily one of the most impressive of all new varieties. We have only a limited stock of this variety to offer this season. Strong roots..... | .50 |
| SAN DIEGO. This new variety is a distinct shade of burnt orange. The individual heads and trusses are of immense size and the trusses clean nicely. It is quite a new color in Cannas and one when it becomes better known will undoubtedly be in large demand. Strong divisions..... | .50 |

Special Offer—The above set of cannas for \$2.75.

- | | |
|--|-----|
| ALFRED MAUTHER. Deep, rich crimson..... | .25 |
| FIREBIRD. A new Canna with individual flowers and trusses of imposing size. The blossoms often measure eight inches across..... | .35 |
| FAISAN DORE. Foliage bronze. Flowers apricot carmine, with golden sheen..... | .25 |
| HUNGARIA. A superb shade of rich, rose pink..... | .25 |
| KING HUMBERT. Bronzy foliage. Flowers a distinct shade of reddish scarlet. Enormous as to size..... | .25 |
| LUDWIG KOPF. Flowers orange and apricot..... | .25 |
| MRS. KATE GRAY. Orchid flowered. Orange scarlet, over-laying gold..... | .25 |
| MRS. A. F. CONARD. Rich, salmon pink..... | .25 |
| PRINCE WEID. Dark, brilliant crimson..... | .25 |
| R. WALLACE. Bright canary yellow..... | .25 |
| STUTTGARDIA. Orange scarlet, edge golden yellow, marbled light scarlet..... | .35 |
| VON OTRANTE. Yellow with center of the bloom brownish crimson..... | .25 |

FUCHSIAS

GERMAIN'S SUPERB COLLECTION

There are but few people who appreciate the improvements which have been made in Fuchsias during the past few years. Their value for growing either as pot plants or for planting in shady positions in the open ground is well known. If you desire something which is different, something which is larger and better than anything you have hitherto known, we can certainly recommend the superb varieties in the following list.

A Superb Collection of Double Varieties Each

- THREE MAGNIFICENT NEW FUCHSIAS**
- ANDRE LE NOSTRE.** An exceedingly large flowered and free blooming Fuchsia, very double in form. Corolla is a beautiful prune colored shade.
- JULIET ADAM.** A wonderfully free flowering new pure white variety. The plant is a strong grower and when in season is literally covered with its handsome double blooms.
- DOLLAR PRINCESS.** Although we grow a very fine collection of Fuchsias, we doubt if there is a single one in the entire collection which will produce the quantity of blooms to be noted on the plants of this variety. The flowers are only of medium size, but what they lack in size they more than make up for in the quantity of production. As a variety to grow for standards, pyramids or for trailing on trellises, this variety is unsurpassed, the blooms literally covering the plant.
Price of any of the above Fuchsias..... .35 3.50
- DIAMANT.** Pure white variety, the base of the petals being shaded with carmine. Sepals rose color..... 50 35
- EMILE LAURENT.** Corolla rose and white. Sepals clear rose. Giant flowering variety..... .35
- GENERAL DRUDE.** A superb pure white..... .35
- G. PORTESI.** A sensational novelty, simply enormous as to size. Color clear violet blue with scarlet veining..... .35
- GRAPHIC.** Sepals scarlet. Corolla gigantic as to size and deep violet purple in color..... .35
- JARRY DESLOGES.** White toned with rosy carmine at the base of the corolla..... .35
- ROSE PHENOMENAL.** A beautiful shade of lavender mauve..... .35



GERMAIN'S PRIZE CYCLAMEN—See page 98

- SYLVIA.** Remarkable for its extremely long pure white corolla. Sepals light scarlet..... .35
- TORPILLEUR.** Corolla flesh color shaded with Rose. Sepals bright red..... .35
- LE ROBUSTE.** Rich violet blue veined with dark rose..... .35
- BARON KETTLER.** A giant flowered deep rich purple variety with distinct scarlet sepals..... .35
- BERANGER.** Dark purplish-blue with distinct red sepals. Very fine..... .35
- DR. BEHRING.** Bluish-purple corolla. Sepals pink. A superb variety..... .35
- GENERAL D'AMADE.** Corolla dark rosy-pink. Sepals pink..... .35
- LUCIEN DANIEL.** A superb shade of lavender-mauve. Sepals light red. Extra choice..... .35
- MRS. GLADSTONE.** Enormous flowers. Corolla pure purple, sepals wine red..... .35
- MONSIEUR LEQUET.** An ultra refined pure double white. Very distinct..... .35
- PYTHAGORE.** Dark red sepals. Large, handsome violet-colored corolla..... .35
- PAUL CAMBON.** Carmine red sepals. Bluish-purple corolla..... .35

Choice Single Varieties

- BLACK PRINCE.** Rich rose-colored corolla, scarlet sepals..... .35
- ELSA.** Corolla rosy purple, sepals rose color..... .35
- SENSATION.** Corolla rose-pink, tinted with violet. Carmine red sepals..... .35
- SOUVENIR DE HENRY HENKLE.** A hybrid of the triphylla class with blossoms some three inches long, borne in clusters. Large prune-colored foliage..... .35
- SWANLEY YELLOW.** A beautiful single variety, similar in form to the preceding, with extra long tube and spreading sepals. A distinct shade of orange red. Very fine..... .35

Baby Fuchsias

These so-called Baby Fuchsias are handsome miniature flowered forms, resulting from crosses made between Fuchsia Riccartonii and some of the larger flowered types. If planted in north borders as a background, they are of superb effect. They are of splendid use also, if planted in tubs or pots, as porch plants.

- Each
- BEAUMARCHAIS.** Purple..... 50 35
- CARMEN.** Violet..... .35
- ELYSEE.** Rose-pink and white..... .35
- L'ENFANT PRODIGE.** Violet purple..... .35
- MINOS.** Dark purple..... .35
- MICROPHYLLA.** Rose-pink..... .35
- MRS. ALICE HOFFMAN.** Clear white..... .35
- MRS. JOSEPHINE FRANKENFIELD.** White..... .35
- NESTOR.** Royal purple..... .35
- RONSARD.** Violet..... .35
- RICCARTONII.** Bluish purple..... .35

HELIOTROPES

- Each
- MADAM BRUANT.** A distinct shade of light purple, of splendid dwarf habit..... .35
- SNOW WREATH.** The best of all pure white heliotropes. The trusses of bloom show a lavender suffusion..... .35
- TALL DARK.** Rich deep purple flowers. A very vigorous tall growing variety..... .35



FUCHSIA

GERMAIN'S CHOICE DAHLIAS

The Dahlia needs no introduction to any one interested in gardening. Like the Chrysanthemum it has come to be "Everybody's" flower. There have been great improvements made, however, in Dahlias during recent years, and in the following list will be found a collection second to none.

Most of the varieties noted in the following list we can supply as dormant roots, but as our supply of these is often exhausted early in the year, we are occasionally obliged to send out green plants, but these flower equally as well as the tubers and can be planted with an assurance of a fine crop of Fall blooms if planted as late as the first of July.

New and Scarce Cactus Dahlias

This collection of Dahlias have the long pointed quill, interlacing incurved or reflex petals. They are similar to Chrysanthemums and taken as a whole are undoubtedly the most graceful of all of the various types.

- PINK BEAUTY.** A beautiful Cactus Dahlia of immense size. Each refined form and with splendid stems in one of the most wonderful shades of color to be found. The blossoms attain a diameter on disbudded plants of eight to ten inches. The petals are outstanding, beautifully quilled and in color a most delicate shade of lavender pink, shading lighter at the center. Flowers borne erect on stout stems. A splendid variety for cutting purposes. \$1.50
- PRIMROSE DAME.** The color is quite distinct from that of any other variety which we know of. The ground color of the flower is primrose yellow overlaid with coral pink. The flower is of the cactus decorative type with beautifully curved and twisted petals. Poised on the ends of long stiff stems 1.50
- MRS. S. B. HOLMES.** The best dark crimson maroon Dahlias in existence.50
- NIBELUNGENHORT.** Enormous flowers. Color apricot toned with rose.75
- THOS. PARKIN.** Light Terra Cotta. Very fine.35
- WODAN.** Light rose with gold tinting.50
- CONTRAST.** Rich crimson-scarlet, beautifully tipped with white 1.00
- GOLDEN WEST.** Deep apricot-yellow. Splendid for cutting.50
- MR. A. P. HOWARD.** Rich crimson-scarlet. Extra fine.50
- VICTORY.** Delicate rosy-pink, prettily suffused with white.50

Pompon Dahlias

The elegant miniature flowered forms have become very popular of late. Mixed with ornamental grasses and used in vases as cut flowers they produce an extremely decorative effect.

- Each
- ADELA.** One of the distinct small flowered types of Dahlias. It is remarkable in the freedom of its production, blossoming without interruption from early summer to late autumn. . . \$0.35
- MYRA.** Similar in form to Adela, color clear shade of red35
- JULIET.** One of the most popular of all Dahlias of this particular class. The ground color is pink, overlaid with yellow35
- DARKNESS.** Almost black. Very dark maroon.35
- FLORA.** Golden yellow.35
- RED INDIAN.** Deep scarlet.35
- WHITE ASTER.** Pure white. Imbricated form. See page 10135
- ARTHUR WEST.** A deep rich crimson35
- CENTIFOLIA.** Beautiful pink35
- DOUGLAS.** Maroon.35
- FLORENCE.** Yellow.35

Decorative Dahlias

These are the large flat petaled types. The flowers are generally of magnificent size and substance. One of the best for cutting purposes.

- Each
- DELICE.** Bright rosy pink. Extra choice. \$0.50
- GLANT OF STUTTGART.** Deep blood red.50
- HORTULANUS FIET.** Shrimp pink tinted rich yellow.75
- JEANNE CHARMET.** Soft rosy pink.35
- LA FRANCE.** Immense pure pink flowers.35
- MONT BLANC.** A grand pure white Dahlia.35
- MINNIE BURGLE.** A wonderful pure rich scarlet.35
- SOUVENIR DE GUSTAVE DOAZON.** Rich fiery red.35
- ENTENDARD DE LYON.** Giant Carmine Rose. A lovely shade of color combined with immense size. Distinct Cactus form.50
- MADONNA.** White. Very good.75

Peony Flowered Dahlias

A splendid class with semi-double blossoms with large wavy petals, more or less informal in make-up and exceedingly decorative in character. We recommend these very highly for use as cut flowers.

- Each
- ADMIRATION.** Rosy crimson with buff shadings. \$0.35
- BARON DE GRANCY.** A superb creamy white.50
- COMTE DE LA PARX.** Old rose with a suffusion of gold.50
- No. 952. Orange scarlet shaded with yellow.50
- No. 967. Blackish maroon.50
- No. 990. Pure white striped and splashed purple.50
- No. 1002. Brilliant scarlet. Extra large.50
- No. 935. Snow white. Extra fine.35



See page 102

Choice Show Dahlias

These are the old fashioned Dahlias of formal character with close set petals. They are quite distinct from the Cactus forms and are preferred by many, owing to the fact that the flowers keep better when cut. The following is a comprehensive list containing all colors, each variety being the best representative of its particular shade.

- Each
- FLORENCE TRANTOR.** An elegant show Dahlia, with splendid petalage arrangement. Blossoms borne on strong stems and held well above the foliage. The color is unique, being pink with purple tips at the outer margins of the petals . . . \$0.35
- HUGH AUSTIN.** Rich orange scarlet.35
- J. C. VAUGHAN.** Bright yellow.35
- JUNGFRAULISCHE.** A grand pure white.25
- MRS. GLADSTONE.** Pure silvery pink.35
- PURPLE GEM.** A rich purple.35
- SPITFIRE.** Bright scarlet.35
- SUNSET.** Yellow flaked with gold.35
- CALEB POWERS.** Shell pink Show Dahlia, even more delicate in color than Mrs. Gladstone.50
- DOROTHY PEACOCK.** A Rose pink Show Dahlia. Splendid stems. Exquisite as to color.50
- MAX DEEGAN'S ZOGLING.** Rosy apricot and orange.35
- RUBY GEM.** Rich ruby-red.35

Spring and Summer Flowering Bulbous and Tuberos Rooted Plants



NEW GIANT AMARYLLIS

A superb strain of large flowered Amaryllis, remarkable alike for the enormous size of the individual blooms and for the wide diversity of colors which they contain. One of our first size bulbs will throw several spikes of bloom in the Spring and flower again in the Autumn.

This strain is the result of many years of effort by a skillful hybridist on the improvement of this class of plants. No adequate idea can be gained of their glorious colors. They range in color from pure white ground color with its markings of rose, red, etc., to orange, cherry, crimson, maroon, mottled, striped, etc.

Aside from their value for planting in the garden they can be also grown in pots and when so handled make very decorative indoor plants. The bulbs can be planted at any time during the Spring, but not later than April 15th.

	Each	Doz.
GRADE A. First size, selected flowering bulbs which will bloom this Spring. Perfect in color, form, size and substance. Every one a gem.....	\$1.00	\$10.00
GRADE B. First size selected bulbs, full flowering size, not quite as perfect in form and color as the preceding, but superior to any other strain on the market. Assorted colors.....	.75	7.50
AMARYLLIS BELLADONNA. Lovely Rose, with a lighter colored throat. As this variety loses its foliage before the flower spikes issue forth, care must be taken not to disturb the bulbs at this period. August is the time of flowering. Mammoth bulbs.....	.35	3.50
AMARYLLIS FORMOSISSIMA. An original species, native of Mexico, with narrow reflexed and spreading petals. The color is an intensely rich deep crimson. This variety is of superb effect when used as a cut flower and forms attractive masses of color in the garden as well.....	.35	3.50

AGAPANTHUS

UMBELLATUS. Among the various Summer flowering bulbs there are but few which grow as easily or are more effective in the garden in so far as their bloom is concerned, than well grown clumps of Agapanthus. The variety in question produces a continual succession of strong flower stems each crowned with large umbels of deep blue flowers. A splendid effect is obtainable by planting them in lines and they are also very effective as tub plants.

Fine Strong Clumps.....	.50	5.00
Medium Size Plants.....	.35	3.50

CYCLAMEN

	Each
CYCLAMEN. Our stock of these is a large one and the strain is exceedingly choice. Aside from the value of Cyclamen as pot plants they make ideal subjects for planting in shady places in the open ground. They are practically indispensable as Winter flowering pot plants for indoor decoration. We have them in all colors from pure white to deepest crimson, salmon, pink, rose, etc. Strong young plants in pots (See page 96).....	.35

CALLA LILY. The historical and well known white Lily of the Nile. Strong flowering roots.....	Each .20	Doz. 2.00
GOLDEN CALLA. The famous golden yellow Calla of Central Africa. Blossoms identical in form to the white Calla, but of a rich golden yellow color. The foliage is beautifully spotted with white on a green ground. Extra fine, first size flowering bulbs.....	.50	5.00
GLADIOLUS		
GERMAIN'S PRIZE MIXED. Our strain of Gladiolus is one of exceedingly high quality. The spikes are of immense size and the range of colors is wide. By making successive plantings of these from Autumn right through Summer an almost endless display of flowers may be obtained. Extra choice, mixed, all colors.....	.15	1.50
AMERICA. A lovely pure appleblossom pink Gladiolus. Ideal for cut flower purposes. Usually has from ten to twelve open flowers on the spike at one time.....	.10	1.00
HALLEY. Beautiful salmon pink. Individual flowers, very large and well formed.....	.10	1.00
MRS. FRANK PENDLETON. One of best of recent introductions. Enormous blossoms. Ground color is rosy pink, lighter at the edges. Throat beautifully blotched with deep crimson and maroon.....	.15	1.50



NEW SALVIA "OSTRICH PLUME" (See page 104)

IRIS

New French Hybrids

A wonderful new lot of hybrids between the Pallida section and those of various other dwarf flowering groups. These beautiful Iris will grow and thrive in any state of the Union. They withstand both heat and cold. The flowers, like the mother parent, Pallida, are of enormous size, usually borne on stems two and a half to three and a half feet in length, with three and four flowers open on a spike at one time. They begin to bloom in Early Spring when flowers are very scarce.

This class of Iris has been relatively referred to as "The poor man's orchid," but in our opinion they are superior to orchids in point of beauty, both as regards their delicate colorings and the ease with which they can be grown.

TWO SUPERB NEW IRIS

CATERINA. Words are inadequate to describe the beauty of this grand Iris—it is a Pallida hybrid raised by Sir Michael Foster, a famous English hybridist of Iris. It is unquestionably one of the tallest and most majestic of all recent introductions. The foliage is broad and 3 to 4 inches high. The flowers are of immense size, producing eight and ten to a single stem, the stems frequently attaining a height of 5 feet. The blossoms are a beautiful shade of sky blue, uniform in color both in the falls and standards.

PARISIANA. A hybrid Iris of the Pallida type, with very large flowers and of a unique shade of color; standards, mottled lavender pink, falls creamy white suffused with lavender pink. While the blossoms are not so large as to be noted in the Caterina, its color is a noted advance in this new class of Iris.

ALCAZAR. Enormous flowers of a lovely clear violet purple and blue shade.

AMOS. A gem. Standards lavender blue. Falls clear violet.

CAPRICE. Enormous pure violet blue flowers.

ELDORADO. A unique shade in this class of Iris, ground color being yellow overlaid with brown and blue.

ISOLENE. A giant in every sense. The stems attain a height of three and a half feet. Color blue overlaid with brown.

JEANNE D'ARC. A lovely combination of colors, the ground color being pure white and the edges of the petals edged and rimmed pale blue.

PROSPER LANGIER. One of the most remarkable of all varieties. The standards of the bloom are a peculiar shade of brown. The Falls are deep maroon margined with golden yellow and penciled with brown at the edges.

ARCHEVEQUE. Standards a wonderful shade of reddish purple. Falls dark velvety purple.

CHERUBIM. We are offering this superb new Iris for the first time this season. It is one of the finest of the new hybrids which has come under our notice. Standards, lavender. Falls, violet, veined with white.



IRIS—ISOLENE

- CANDELABRE.** A superb sort. A lovely shade of pale blue. Each veined and marked with purple. 50
- INGEBORG.** Pure white. Extra large flowers of handsome form. 35
- HALFDAN.** Standards and falls creamy white. 35
- GOLDEN FLEECE.** Handsome light yellow Iris. Height, about 18 inches. 35
- HELGE.** Standards lemon-yellow. Falls deep yellow, with orange beard. 35
- LOHENGRIN.** Flowers of immense size. Standards mauve, falls violet. 35
- MRS. REUTHE.** Very free blooming and early flowering variety. Standards delicate lavender-blue, falls somewhat lighter in color. 35
- NUEE D'ORAGE.** Standards slate-gray. Falls bronze and purple. Extra large flowers. 35
- THE BRIDE.** Standards and falls white, with primrose beard. Very large and handsome. Plants of medium height only. 35
- VICTORIA LOUISE.** Standards pale sulphur yellow. Falls rich plum color, with cream-colored edges. 35
- ZEPHYR.** Lavender-blue flowers. Medium size, but produced in great profusion. 35

Iris Kaempferii

The latest introductions from Japan in this magnificent class of Iris are marvels of beauty. The flowers often reach a diameter of ten inches and the combinations of delicate shades in both single and double forms simply baffle description.

Our collection comprises over fifty of the very finest varieties in existence. The clumps which we offer are grown at our Rivera bulb fields and are models of health and vigor. We offer you an unsurpassed collection of about fifty varieties, double and single blossoms, all colors mixed:—

	Each	Doz.
Large Clumps	\$0.50	\$5.00

TUBEROSES

TUBEROSES. Well known and universally admired for their pretty spikes of waxy white and deliciously scented flowers. We offer you splendid roots of these ready for delivery from December on. \$0.15 \$1.50

PELARGONIUMS

(Lady Washington Geraniums)

In addition to the three splendid varieties offered in our novelty list of the present season, we direct your attention to the following very fine sorts. There is a growing demand for good Pelargoniums and we feel certain that our customers will be more than pleased with any of the following list.

TWO NEW PELARGONIUMS

- SENSATION.** An immense flowered deep red colored variety, with each of the petals beautifully blotched and striped with velvety black. 50
- MISS EDITH CAVELL.** Although in other pages of this catalog we offer you many fine varieties of Pelargoniums, there is none in the entire collection to exceed in beauty this superb novelty which we are now offering you for the first time. It is not only remarkable for its size, but also in its superb color effect. The petals are large and beautifully rounded, the color is pure white and each of the petals handsomely blotched with velvety maroon. 50
- ANNA RUDLOFF—**Rich dark red, immense black blotches. 35
- EXHIBITION OF MOSCOW.** Dark rich purple with black blotches. 35
- EXHIBITION OF LONDON.** Reddish scarlet with distinct white center. Two upper petals blotched black. 35
- ANITA.** One of the largest flowering of all Pelargoniums. Individual blossoms three inches across. Center of flower white beautifully margined bright rose. Upper petals feathered dark crimson. 35
- BERTHA WAGNER.** A delightful shade of carmine Rose, each of the petals feathered with white. 35
- BLUE MABEL.** Carmine purple, with black blotches. 35
- DUCHESS OF WESTMINSTER.** Ground color pink and white with crimson blotches. 35
- MRS. KRUMB.** A lovely shade of pale soft rose with upper petals blotched purplish red. 35
- JOHN MARTIN.** Beautiful light purplish maroon. 35
- KATE BORNEMANN.** Mother of Pearl pink blotched with rich crimson. Magnificent. 35
- MISS SAUNDERS.** Pure white, beautifully blotched with purplish crimson. 35
- MAD. THIBAUT.** Pink with white shadings. Petals beautifully ruffled. 30
- OLYMPIE.** Finest of all pure whites. Snowy white. 35
- PROFESSOR CORRENS.** Rich rose with dark blotches. 35
- PETER HOSER.** Black blotches on each of the petals, with a ground color of fiery brick red. 35
- BALKONIGEN.** An immense flowered, light rose-colored variety. Extra fine. 35
- CORNELIE.** Soft rose, white at center with maroon blotches. 35
- F. H. HOWARD.** Dark reddish scarlet with conspicuous black blotches on the upper petals. 35
- ILLA.** Salmon-rose, handsomely blotched on upper petals. 35
- MARTHA BURGER.** Bright salmon-rose. Compact and remarkably free blooming. 35
- MONTEBELLO.** Delicate pink, blotched with white. 35
- PAULINE SHROETER.** Deep rosy carmine with dark blotches. 35
- VOLANTE NATIONALE ALBA.** A grand pure white variety. 35
- DUCHESS OF CORNWALL.** Large flowered, deep purple maroon. 35

VINES—*Germain's Selection of Tender and Half Hardy Varieties*

Included in the following list are such as will not stand much frost. In general, they will not do much outside in a climate where the temperature goes below the freezing point, although some of them will stand three to four degrees of frost. All of them, however, are splendid for planting in warmer sections.

ANTIGNON

LEPTOPUS. An exceedingly handsome vine, native to Mexico. Each
It bears numerous racemes of deep rose-colored flowers.
A climber of superlative beauty..... .75

BIGNONIAS

Amongst all the various vines suitable for the warmer sections of the country, we know of nothing which will produce the abundance of flowers, coupled with splendid foliage, as the various Bignonias. They will not grow in sections where there are many degrees of frost.

CHERERI. For the warmer sections of the United States. Each
this is undoubtedly one of the grandest of all of the Bignonias. Not only is it beautiful in so far as its foliage is concerned, but during mid-winter produces masses of brilliant, rich, blood-red flowers, trumpet-shaped and over three inches across. It grows with great rapidity. As a subject for covering arbors, the south aspect of buildings, pergolas, etc. it is unexcelled. Strong plants..... \$0.75

SPECIOSA. A beautiful trumpet flowered Bignonia from Mexico. Blossoms borne in very large clusters. Color a delicate mauve. An ideal plant for pergolas, arbors, etc. This vine is only hardy in warm sections. It will not withstand much frost. Should be in every Southern California garden. Extra fine plants in 5-inch pots..... .75

TWEEDIANA. A dainty species with clinging habit, similar to that noted in vines like *Ivies*, *Ficus Repens*, etc. For hot, sunny walls, this vine is unexcelled. During spring it is covered with quantities of bright, canary yellow blossoms..... .75

VIOLACEA. This particular variety has splendid foliage. It is rich, dark green in color. The flowers are deep purple and borne in tremendous clusters..... .75

BOUGAINVILLEAS

Like Bignonias, these plants will not stand much frost, but will do well in any section where a warm climate prevails. They also make splendid subjects for growing in greenhouses, as they come into blossom during mid-winter, when flowers in most sections are usually scarce. The following are amongst the best:

TWO MAGNIFICENT NEW BOUGAINVILLEAS

"PANAMA". It is not often that we are able to offer our customers such a sensational novelty as this magnificent new Bougainvillea. The original stock from which our plants were propagated was found growing on the Isthmus of Panama.

The color is a distinct shade of vermilion crimson. The bracts are of enormous size, the foliage and growth quite as strong as the variety *Spectabilis*. It has the additional quality of flowering without intermission almost throughout the year. There is nothing we know of in the way of flowering climbing plants which can equal in beauty the general effect of this superb new Bougainvillea. Strong plants from three-inch pots..... \$3.00

MAUD CHATTLEBURGH. Another handsome Bougainvillea of a rich royal purple shade. This variety undoubtedly has the largest bracts of any Bougainvillea in existence, in addition to which it produces a profusion of flowers hitherto unknown in this class of plants. This superb Bougainvillea should be in every garden. It is a fine companion to the foregoing variety. Extra strong stock from three-inch pots. 2.00

GLABRA SANDERIANA. Flowers of medium size, but borne in such profusion as to almost completely hide the foliage. The bracts are light carmine purple color. Extra fine plants from 6-inch pots..... 1.00

CYPHERI. A pretty, rosy purple colored form. The flowers are very large. Foliage a distinct glossy green. Strong, rampant growing variety. Strong plants..... 1.00

SPECTABILIS. Undoubtedly the largest flowered of all the Bougainvilleas. The bracts are produced in immense heads and are bright glowing purple in color. It is quite tender; will scarcely stand any frost at all. Strong plants..... 1.00

BRAZILIENSIS. A very free growing Bougainvillea with bright glossy green foliage and immense trusses of beautiful carmine rose flowers. The color in this variety is very distinct and the plants blossom almost without intermission throughout the year. Like all other varieties of Bougainvilleas it is only suitable for warm sections of the country. Highly recommended. Strong plants from three-inch pots..... 1.00

FICUS

REPENS. Well known and greatly prized throughout Southern California as a cover vine for the sides of buildings, walls, etc. It makes a dense mat of small, dark green leaves; retains its foliage at all seasons. Large plants..... .35 \$3.50

JASMINE

AZORICUM. A handsome species of Jasmine with clusters of pure white, star-shaped flowers and large, beautiful foliage. A desirable vine for any sunny position..... \$0.75

LIGUSTRIFOLIUM. A scarce species with handsome, dark green foliage, bearing masses of pure white, starry flowers during spring and early summer. One of the most graceful growing of all the Jasmynes..... .75

PRIMULINUM. A winter flowering, golden yellow Jasmine, from China. The blossoms are very bright in color, about two inches in diameter, and are borne in great profusion. This is a very rapid growing variety and comparatively hardy..... .75

REVOLUTUM. A semi-climbing form with intensely fragrant, golden yellow blossoms. This is the popular golden yellow Jasmine of the South..... .75

OFFICINALIS. Pure white, star-shaped flowers, intensely fragrant. Grows with great rapidity. Strong plants.... .75

KENNEDYA

The vines under this head are natives of Australia and are particularly adapted for California gardens. The flowers are pea-shaped, small in size, but are borne in wonderful profusion during winter and early spring. The variety *Purpurea* is scarce and one of exceptional beauty.

ALBA. A beautiful variety with pure snow-white flowers... \$ 0.75



NEW HYBRID AQUILEGIA OR COLUMBINE

See page 102

MANDEVILLEA

SUAVEGLENS. A South American climbing plant which will stand several degrees of frost without injury. It bears handsome, pure white flowers about two inches in diameter. These are intensely fragrant. Ideal for pergolas, porches, etc. **50.75**

MUEHLENBECKIA

MUEHLENBECKIA (Australian Wire Vine). There is a daintiness and grace about this vine not to be found in any other. When in full leaf it has a beautiful, fern-like appearance. The leaves are only minute, but thickly cover the plant. It is splendid for covering posts and pergolas and is also useful as a basket plant. **50.75**

PLUMBAGO

CAPENSIS BLUE. This Vine may be either treated as a bush or as a vine. It is semi-climbing only in habit. It is covered during summer and fall with lovely, pale blue flowers. Strong plants in pots. **50.75**

SOLANUM

The rapid growth of the various species of Solanum and their adaptability for warm, sunny locations places them in the front rank of various tropical vines. We offer two of the best:

JASMINOIDES. The blossoms of this variety are carried in good sized umbels, their color being white with shadings of purple. An ideal plant for covering fences, etc. Strong plants. **50.75**

STREPTOSOLON

JAMESONII. This plant is only half climbing in habit and may be treated either as a shrub or vine. It bears dense masses of brilliant orange red flowers. It does particularly well in any hot, sunny position. Strong specimens. . . . **50.50**

TECOMA

The various Tecomas are closely allied to the Bignonias, which they resemble in form of flowers, disposition of foliage, etc. As with Bignonias, they are only suitable for warm positions.

AUSTRALIS. One of the rankest growing of all the species. The foliage of this Vine is ideal, being thick and leathery. In the new growth it is beautifully bronzed. Strong plants. **50.75**

CAPENSIS. Flowers bright scarlet, tubular in form, similar to a Honeysuckle. Delights in a warm, sunny position. . . . **75**

JASMINOIDES. One of the most elegant of all of the various Tecomas. The foliage is of bright and glossy green. The large, tubular flowers are pure white with a deep crimson throat. **75**

JASMINOIDES ALBA. Similar in general character to the above, but with pure white flowers. This variety is very scarce indeed. At the same time it is one of the most beautiful. **1.00**

JASMINOIDES ROSEA—A comparatively little known pink flowered form of the hardy Jasminoides type. One of the cleanest and handsomest vines procurable for trellises, pergolas, etc. It grows with great rapidity. Only suitable, however, for warmer sections of the country. It will not withstand more than 5 to 6 degrees of frost. Extra fine plants in 5-inch pots, each. **1.00**

REGINA SABA. This handsome Tecoma is similar in general character to Bignonia McKenni, but the flowers are much larger and the colors of the blossoms, if anything, are more beautiful. The shade is a deep rose pink with pencilings of crimson in the throat. **1.00**

THUNBERGII

COCCINEA. A rather tropical Vine, bearing curiously colored red and brown flowers. It is a rampant grower. **75**

VITIS

CAPENSIS. A magnificent species of Evergreen Grape. It is a strong, rampant grower, with large round leaves, which attain a diameter of eight inches. The stems on the new growth are bronzy red. Unsurpassed for planting in warm positions, on fences, pergolas, etc., where dense effects are desired. Strong plants. **1.00**

VINES—HARDY VARIETIES

Included under this section are those various varieties and species which can be used in sections where the climatic conditions are harsh in the extreme. Nearly all of them will stand considerable frost and heat. In dry sections an abundance of water should be furnished during their growing period, i. e., summer.

HEDERA

HELIX. True European or English Ivy, suitable for planting on buildings in any locality, being perfectly hardy in any climate. Its bright, glossy evergreen foliage makes it a fine subject for ground covers in shady places. It has a self-clinging habit and requires no support whatever. **50.50 55.00**

HONEYSUCKLE

(See page 89)

BELGICA. This splendid Honeysuckle makes an ideal plant as a bank cover. It is also suitable for covering fences, pergolas, etc. The blossoms are exceedingly fragrant and produced in great profusion during early spring. Flowers tubular in shape, red and yellow in color. Strong plants. . . . **0.50 5.00**

RETICULATA AUREA. Amongst the types of variegated Honeysuckles, this is undoubtedly the best of all. The foliage is light green, marbled and marked with yellow. Flowers white. **50 5.00**

HALLEANA. Hall's golden yellow Honeysuckle. A good, hardy variety for any purpose. Flowers are a handsome combination of pink and yellow in color. It is a strong, free grower, one of the best. . . . **50 5.00**

MACRANTHA. A variety with handsome, light yellow flowers. These are delightfully fragrant and produced in wonderful profusion. **50 5.00**

VINCA

MAJOR. Large dark green foliage, with beautiful sky-blue flowers. **50.15**

MAJOR VARIEGATA. The foliage of this variety is handsomely marked with green and yellow. Flowers blue. . . . **15**

VITIS

VITIS HENRYANA. A new evergreen Ampelopsis, remarkable alike for the rapidity of its growth and for its handsomely marked foliage. In our opinion it exceeds in beauty Ampelopsis Veitchii or Boston Ivy, as it is more commonly called. The leaves are beautifully marbled with gray green, reddish copper, etc. During the Autumn these tints become intensified, and the foliage effect of these vines is one of surpassing beauty. We can recommend this vine for all sections of the country. It delights in a semi-shady position and requires an abundance of moisture. Extra fine plants, each. **75**



Germain
WHITE ASTER
DAHLIA

See page 97

Herbaceous and Perennial Flowering Plants

The various plants comprised under this heading will be found as amongst the most useful of all garden plants. In general, they last from season to season and with each returning spring, summer or autumn flower in increased abundance. The major portion of them are quite hardy and endure to greater or less degree extremes of heat or frost.



GIANT SHASTA DAISY—See page 104

ASTERS (HARDY)

- | | Each | Doz. |
|---|--------|--------|
| BEAUTY OF COLWELL. A new, handsome double flowered form. The flowers are an elegant shade of light blue..... | \$0.20 | \$2.00 |
| FELTHAM BLUE. A splendid, free blooming variety producing masses of starry, bright blue blossoms..... | .25 | 2.50 |
| ABENDROTE. Intensely bright blue flowers of remarkable size..... | .20 | 2.00 |
| WHITE QUEEN. One of the freest blooming of all white perennial Asters and one of the best..... | .20 | 2.00 |
| CLIMAX. One of the handsomest of all perennial Asters. Flowers, an exquisite shade of deep lavender blue. They are large in size, attaining a diameter of some 3 inches. This splendid new perennial Aster will prove a welcome addition to the herbaceous garden..... | .35 | 3.50 |

COREOPSIS

- | | | |
|--|--------|--------|
| GRANDIFLORA. A splendid perennial plant producing immense quantities of single, golden-yellow flowers about three inches in diameter. Ideal for cutting purposes and quite hardy..... | \$0.15 | \$1.50 |
|--|--------|--------|

NEW HYBRID GERBERAS Transvaal Daisies

- Among various herbaceous perennials of recent introduction, we doubt if anything can exceed in beauty these beautiful new vari-colored Transvaal Daisies. The flowers are not unlike a large Marguerite, are borne on stems 18 inches to 2 feet long and occur in a wide range of colors, running from pure white to dark crimson, with the intermediate shades of orange, yellow, salmon, carmine, pink, etc. Aside from their beauty as bedding or flowering plants, they are of exquisite value for cut flower purposes. The blossoms last fully a week in water. We can only supply the colors in mixture, all are beautiful. . .
- | | |
|------|------|
| Each | Doz. |
| .35 | 3.50 |

CANTERBURY BELLS

- Among the various old-fashioned plants, there are none more popular than Canterbury Bells. For best results, they should be planted in the autumn, as their natural period of blooming is during early spring and summer. Our strain of the Calvoanthema or cup and saucer type are especially fine. We can supply these in the various colors, from pure white to rose and blue.....
- | | |
|--------|--------|
| \$0.15 | \$1.50 |
|--------|--------|

BEGONIAS

Fibrous Rooted Varieties

Although these are only hardy in warmer sections of the country, they make splendid pot plants for interior decoration where the Winters are at all severe. In Southern California they may be planted out and left from season to season.

- | | | |
|--|--------|--------|
| ASCOTIENSIS. An elegant free flowering Begonia which blossoms continuously. The blooms are a peculiar shade of red in color. Dainty and free-blooming in character..... | Each | Doz. |
| | \$0.35 | \$3.50 |
| FUCHSIOIDES. Handsome Fuchsia like flowers freely produced on long bending branches. An ideal plant for a shady nook. It also makes an ideal grass plant..... | .35 | 3.50 |

COLUMBINE

- NEW COERULEA HYBRIDS.** Our strain of these new hybrid Aquilegias or Columbines is one of unexceptional quality. The flowers are not only of monstrous size, but have the characteristic long spurs of the wild, Rocky Mountain Columbine. This new strain contains elegant shades of rose, scarlet, purple, lavender, blue, pure white, etc. Once planted, they give additional quantities of flowers each succeeding year. They delight in a somewhat moist, shady position. No garden is complete without at least a few plants of these elegant new varieties. Strong, young plants which will bloom during the coming spring and summer. See cut page 100.....
- | | |
|--------|--------|
| \$0.35 | \$3.50 |
|--------|--------|

NEW GIANT FLOWERING COLUMBINES. A grand strain of giant flowering long-spurred Columbines in a color series of matchless beauty.

- | | | |
|--|-----|------|
| BLUE —A splendid selection of all shades from light to dark blue. Flowers are long spurred and of large size | 35 | 3.50 |
| PINK —Contains the various tones from light pink to darkest rose. Very choice..... | .35 | 3.50 |
| MIXED —Including all shades from pure white to pink, rose, red, yellow, crimson, blue, and various bi-color flowers of superb quality and form..... | .35 | 3.50 |

DELPHINIUM (HARDY LARKSPUR)

- BELLADONNA.** This is unquestionably one of the best of all of the various Delphiniums or perennial types of Larkspur. The clumps blossom without cessation from April until the time of frost. They produce an immense quantity of spikes, well filled with lovely sky-blue flowers. They attain a height of from three to four feet and have a free branching habit right from the base. Extra strong, one-year clumps. See cut page 102.....
- | | |
|--------|--------|
| \$0.35 | \$3.50 |
|--------|--------|

G ZANIAS

- | | | |
|---|--------|--------|
| AURANTIACA YELLOW. Extra large flowers fully three inches across. A beautiful canary yellow color..... | Each | Doz. |
| | \$0.15 | \$1.25 |
| AURANTIACA ORANGE. Large flowers of a distinct bright orange colored shade..... | .15 | 1.25 |

GYPHOPHILA

- PANICULATA.** This lovely hardy perennial plant is often referred to as Baby's Breath. Is of strong branching habit. Reaches a height of some two to three feet and is covered with minute white flowers. It is of especial value for mixing in bouquets, etc., and lends a dainty, airy effect. . .
- | | |
|------|------|
| Each | Doz. |
| .20 | 2.00 |

HELIANTHUS (PERENNIAL SUNFLOWER)

There is nothing more attractive amongst hardy plants than the Perennial Sunflower. They can be sown as individual specimens or planted amongst shrubby groups. They are remarkably free-flowering, splendid for cutting purposes and always give a bright touch of yellow to the garden. The three varieties noted below are amongst the best.

- MISS MELLISH.** Lovely single flowers. Blossoms somewhat cactus shape, produced in great masses on canes six to eight feet high. \$0.20 2.00
- MULTIFLORUS MAXIMUS.** A splendid variety covered with innumerable golden yellow flowers from June to September. Strong plants.20 2.00
- METEOR.** Similar to Maximus, but with wide outer guard petals.20 2.00

HEMEROCALLIS (THE JAPANESE DAY LILY)

These are hardy plants for every garden. They succeed everywhere and no collection of old-fashioned hardy plants could be considered complete without them.

- AURANTIACA.** One of the largest of all the Hemerocallis. The enormous flowers are sweetly scented and bright golden yellow in color. \$0.35 3.50
- AURANTIACA MAJOR.** A new variety and without doubt one of the largest of the entire family. A lovely shade of rich yellow.50 5.00
- FLORHAM.** A very free blooming light lemon yellow colored variety. One of the freest blooming of all the varieties. Flowers medium size.35 3.50
- THUNBERGII.** A splendid free flowering sort. The flowers are quite small, and borne on long slender stems. In color a delicate lemon yellow, exceedingly fragrant.35 3.50

HOLLYHOCKS

- CHATER'S IMPROVED.** A superb strain of double Hollyhocks bearing tall, handsome spikes of bloom. We can supply these in pure white, cherry red, rose, yellow or dark crimson. If planted in the early Spring strong spikes will be obtainable during the ensuing Summer. Fine strong plants.35 3.50

LIBONIA

- LIBONIA.** A dainty plant for window boxes. It possesses pretty evergreen foliage, and bears numerous scarlet flowers, tubular in shape and produced without intermission almost throughout the entire season. Also valuable for hanging baskets, etc. Strong plants in four-inch pots.35 3.50

MARGUERITES

- MRS. FRED SANDERS.** A beautiful double, pure white Marguerite. Plant in a good sunny spot in the garden. They produce innumerable quantities of flowers from early Spring until late Autumn. Splendid for cutting. Strong plants in pots.25 2.50
- GIANT YELLOW.** A beautiful, deep golden yellow single Marguerite.20 2.00

PENNISSETUM

- PENNISSETUM (JAPONICUM).** Although this wonderful Japanese Grass cannot be considered as being new, it possesses splendid value, not only as an ornamental plant in the garden, but for the value of its handsome spikes of pink plumes to be used for mixing with other flowers. A few plants of this should be in every garden. It is quite hardy. The principal essentials for its successful culture are an abundance of water and rich soil. Do not fail to plant a few of these. They will surely please you. Price, strong plants from 3-inch pots. \$0.35 3.50

PENSTEMONS

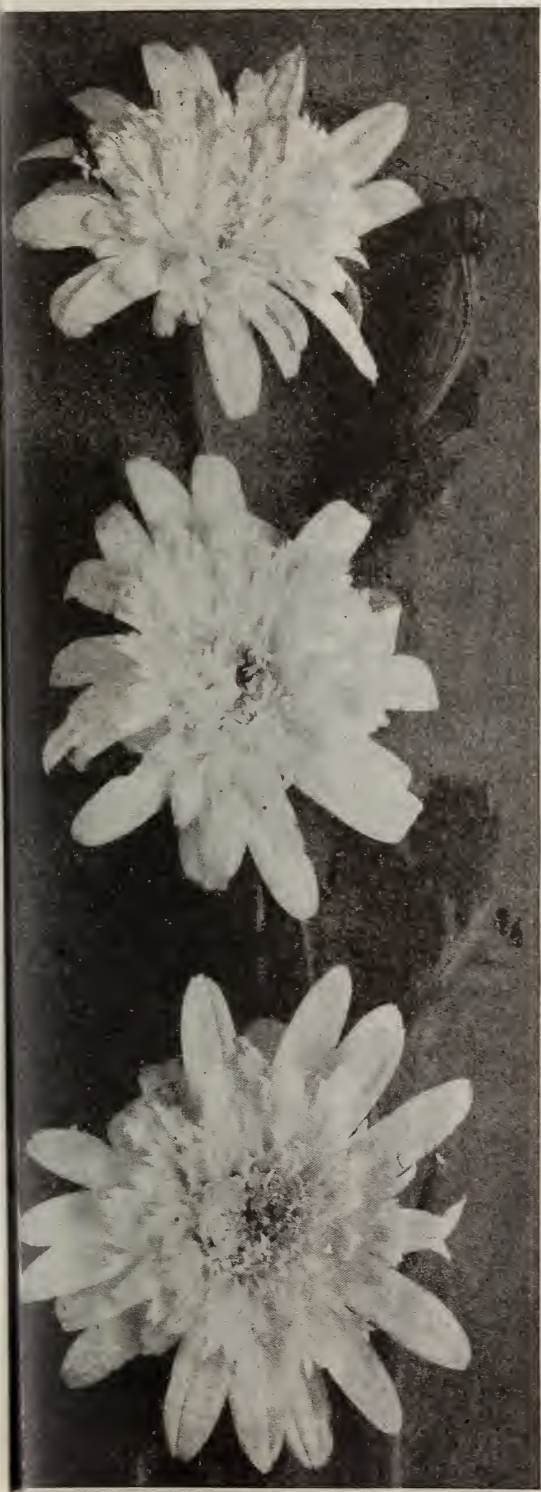
- NEW GIANT FLOWERING.** A handsome strain of perennials bearing long tubular, Gloxinia-like flowers in all colors from pure white to pink, crimson, scarlet, etc. Many of the flowers are beautifully mottled and penciled. Strong plants from two-inch pots. \$0.20 2.00

PETUNIAS—GERMAIN'S PRIZE VARIETIES

- GIANT SINGLE FRINGED.** A grand strain of large flowered Petunias in all shades of color. The blossoms on well grown plants often reach a diameter of five to six inches. Strong plants.15 1.50

Three Superb New Varieties of Bedding Petunias

- BALCONY WHITE.** A lovely fringed, pure white Petunia. The flowers are borne in such masses as to completely cover the foliage. They attain a diameter of about three to four inches.
- BALCONY PINK.** Identical with Balcony White. A lovely shade of pure rose pink.
- BALCONY RED.** A lovely shade of carmine crimson. Each Doz. Fine plants from two-inch pots. \$0.15 1.50



MARGUERITE—MRS. FRED SANDERS

RUSSELLIA

RUSSELLIA. If you want something of exceeding beauty for a hanging basket or for planting in a window box, a plant of this will add much to any assortment of plants which may be used for this purpose. It has long wiry stems covered with long tubular coral red flowers. Strong plants... **\$0.25 \$2.50**

SALVIA

INVOLUCRATA. Amongst all the shrubby varieties of Salvias, this rare and little known variety is unquestionably one of the handsomest of all. It bears large spikes of beautiful rose pink flowers, the blossoms being quite equal in size to the ordinary summer blooming variety *Salvia Splendens*. The plants attain a height of 4 to 5 feet and when in flower are of beautiful and ornamental character. Price..... **.50 5.00**

LEUCANTHA. Another shrubby *Salvia* with handsome violet blue and white flowers. The plants are very compact in habit, the spikes of bloom extend well above the foliage. A splendid bedding or border variety. Price..... **.25 2.50**

OSTRICH PLUME. This splendid novelty is a great advance over all of the various bedding Salvias. The spikes, instead of being single are split up into numerous small side branches, each branch being well clothed with tubular scarlet flowers. From this peculiar added growth to the spikes it gets its name. This *Salvia* is not hardy and should not be planted until after danger of frost is over. Planted during the early Summer it will grow rapidly and make a dazzling mass of brilliant color until frost comes. See cut page 98..... **.15 1.50**

PULCHELLA. A tall growing variety bearing pretty red flowers during the summer months. The flowers are quite small and abundantly produced. Plants attain a height of five feet..... **.25 2.50**

LEUCANTHA. An exquisite species suitable for herbaceous borders. Flowers are a beautiful violet purple and white and are borne in profusion from August to December..... **.35 3.50**

SHASTA DAISIES

ALASKA. The best of all the large flowered single white *Shasta Daisies*. Splendid long stems, flowers five and often six inches across, on well grown plants. Invaluable for cut flower purposes. **.15 1.50**

STATICE

LATIFOLIA. The so-called *Sea Lavender*. The plants are of tufted character, composed of very broad, long leaves and sending out a much branched growth similar to *Gypsophila*, which are covered with masses of dainty, pale blue flowers..... **.25 2.50**

TRITOMAS (RED HOT POKER)

For sub-tropical effects in gardens the various *Tritomas* are of splendid value. Their fiery spikes of bloom and rich grassy foliage make them conspicuous objects in the garden.

CHRYSANTHA. Light lemon yellow. Four feet high..... **Each \$0.35**

QUARTINIANA. The largest of all the various *Tritomas*. The immense spikes of bloom are a dazzling shade of yellow..... **.50**

PFITZERII. A constant blooming variety with spikes four to five feet high. Color a rich shade of orange scarlet..... **.35**

VIOLETS

Three of the choicest varieties. All pot grown plants. **Each Doz.**

PRINCESS OF WALES. A long stemmed deep blue Violet. Blossoms exceedingly large and deliciously scented. **\$0.10 \$1.00**

SWANLEY WHITE. A pure, white, double violet. Intensely fragrant..... **.15 1.50**

MARIE LOUISE. Large double, lavender blue flowers. The most intensely fragrant of all Violets..... **.15 1.50**

NEW PERPETUAL HARDY FLOWERING PINKS

There have been but few novelties introduced in recent years more useful or beautiful than these superb new hardy Pinks from England. They are the result of crosses between the ordinary hot house Carnations and the small border pink. These Pinks have a delightful clove fragrance.

HAROLD. A beautiful, deeply fringed, pure white flower with intense odor. Splendid for cutting.

MARY. Pale rose pink with maroon-colored center. An exquisite combination of colors. Very fragrant.

PHYLLIS. Pale pink with maroon-colored center.

ROBERT. A very large flower. Ground color is old rose with a deep maroon-colored center. **Each Doz.**

Young plants from two-inch pots, ready March 15th **\$0.25 \$2.50**

RUBBECKIA

GOLDEN GLOW. This plant is well named. When in full flower it is veritably a Golden Glow. The flowers are about the size of a small double *Dahlia* and are produced on stems six to seven feet high during the Autumn months. Ideal for cutting purposes. Strong roots, pot grown..... **.20 2.00**

VITADENA

TRILoba. A very handsome plant for covering unsightly places or planting in parkways. Also valuable for hanging baskets, window boxes, etc., as the plant is more or less trailing in habit. It is covered with small, white, daisy-like flowers at all times. There is an attractiveness about this plant which will appeal to everyone. Strong plants in pots..... **\$0.15 \$1.50**



Germain's
TRITOMA
"RED HOT POKER"

Germain's List of Choice Flowering Shrubs, Hedge Plants, Trees, Etc.

ACACIAS

These do well throughout all the warmer sections of California. Being to their drought-resisting qualities and their free-blooming nature, they are always in large demand and universally admired. The following are a few of the best:

- MELANOXYLON.** A well known black Acacia, now so much used for side-walk planting. Fine, strong plants..... Each .75
- CULTRIFORMIS.** Gray green foliage and handsome yellow flowers. The foliage is quite distinct from any other Acacia in cultivation..... .75
- MOLLISSIMA.** A variety with fern-like foliage, literally loaded with flowers during mid-winter and early spring. Splendid for cutting..... .75

BERBERIS

- BARWINII.** One of the handsomest of all flowering shrubs, the plants being literally covered with rich orange-colored blossoms. The plants are densely branched and spreading. Ideal for shrubberies and low border plantings..... \$1.00
- LICIFOLIA.** A Berberis which has foliage something similar to English Holly, usually more or less tinted or bronze foliage. A handsome, low growing shrub. Strong, balled plants..... 1.00
- HUNBERGII.** A deciduous species of Barberry largely used in the Eastern portion of the United States for shrubbery groupings, etc. In autumn it assumes the brilliant tints of copper and red, making it exceedingly bright and effective. Three feet high..... 1.00
- CHINENSIS.** A splendid variety of Barberry with yellow flowers. Strong, balled plants..... 1.00

BUXUS (BOXWOOD)

- SEMPERVIRENS.** The well-known Evergreen Boxwood, so often used for dwarf hedges, etc. Boxwoods may be trimmed into any desired shape and retain their bright appearance under all weather conditions. We have a splendid stock of these ready for lining out, which we can furnish at..... \$0.20 \$2.00

In addition to the small-sized plants noted above, we have a splendid stock of large ones trimmed to ball-shaped plants, pyramids, etc. Prices on application.

CALLISTEMON

These are often relatively referred to as the Australian Bottle Brush plants. The blossoms are formed around the stems and have the appearance of a bottle brush. The colors contained in the various species are unusually bright and attractive. These plants are especially adapted for dry plantings, but will not withstand much frost. We offer these in the following species:

- ALIGNUS, SPECIOSUS, RIGIDUS, LANCEOLATUS, LINEARIS, COCCINEA and PHOENICIUS.**
- NOTE.** The above varieties are all exceedingly handsome, Each and vary somewhat in their colors. The last-named variety is of a particularly handsome weeping habit. Strong plants from 5-inch pots..... \$1.00

CHOISYA

- TERNATA.** An elegant shrub with bright and glossy foliage and handsome clusters of white flowers, not unlike orange blossoms. These are exceedingly fragrant. It is one of the best shrubs we know of for California gardens. Strong balled plants..... \$1.00

CORNUS

- CAPITATA.** One of the handsomest of all the Dogwoods; Each hardy in all sections. Blossoms profusely during early Spring. Flowers about three inches across. Strong plants, balled, three to four feet high..... \$1.50
- From 5-inch pots..... .75

CORONILLA

- GLAUCA.** A splendid shrub with handsome gray-green foliage. Flowers yellow and when in bloom covering the plant. Strong plants from pots..... \$0.75

COPROSMA

- COPROSMA.** 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. Strong, young plants..... \$0.75

COTONEASTER

- ANGUSTIFOLIA.** An elegant variety with small, narrow foliage. Erect habit of growth, covered during winter with bright orange-colored berries, which are borne so profusely as to cover the stems. Strong, balled plants from the field..... \$1.50
- Plants in 5-inch pots, four feet high, for growing on.... .75
- FRANCHETTI.** A recently introduced Cotoneaster bearing, during mid-winter, immense quantities of brilliant scarlet berries. The plant is more or less drooping in habit. A splendid plant for the great South-West. Strong, balled plants..... 1.50

CRATAEGUS

- YUNNANENSIS.** This new "Burning Bush" from Yunnan, China, is closely allied to the Barberries. The foliage is evergreen, rich dark green in color, and during the Autumn, Winter and Spring months the plants are literally covered with bright scarlet berries. The berries are even brighter in color than the common Holly berries native to the mountains of all portions of the Western United States. This beautiful new shrub can be used in groups on a lawn or as a hedge plant. It is absolutely hardy, withstanding all conditions of heat or cold. Extra strong plants, 2 to 3 feet high..... \$1.00

DIOSMA

- ERICOIDES.** Often referred to as **Breath of Heaven.** Foliage Each exceedingly fine. Blossoms pure white, minute in character, but borne in great profusion. A shrub which should be in every garden. Strong, balled plants..... .75

ERICA (HEATHER)

Under this head we offer you a selection of the best Heathers for general planting. All of the species are covered with minute flowers of various colors. They not only form graceful objects in the garden, but are of exceeding beauty when grown in pots, or used for cut flower purposes.

- CODONOIDES VEITCHII.** Undoubtedly one of the finest of all white Heathers. Beautiful as a pot plant; splendid for cutting. Ideal mixed with other flowers in cut flower work. Strong plants in 9-inch pots, four to five feet high, bushy..... Each 2.00
- MELANTHERA.** This is the great commercial Erica or Heather. It is grown by the thousands by florists, either as pot plants for interior decoration, or in the open ground for cut purposes. There is a daintiness about this Erica which exceeds any other variety which we know. It blossoms during mid-winter, at a time when flowers are generally scarce. It is a gem, any way you take it, and should be in every garden. Strong plants in pots... 1.50

EUONYMUS

Hardy, evergreen shrubs, native of Japan. Splendid for hedges or for growing as individual specimens in the garden. We offer three of the best.

- GOLDEN.** Foliage dark green, with golden variegations. Each Strong, bushy plants..... \$1.00
- JAPONICA AUREA.** One of the best gold and green varieties. 1.00
- MYRTIFOLIA.** With small foliage, similar to a Boxwood. Splendid for hedges. Young plants from 2-inch pots..... \$0.15 \$1.50
- Per Hundred, \$8.00

FICUS (RUBBER TREE)

- ELASTICA.** One of the most decorative of all the so-called Rubber trees. Immense, dark, glossy green leaves. We have a fine stock in all sizes..... Per Foot \$1.00
- MACROPHYLLA.** Quite distinct from *Elastica*, with dark, glossy green leaves, which are very broad. The central stem and mid-rib is reddish in color. Strong plants.... Each 1.50

GENISTA

- CANARIENSIS.** A splendid Spring-flowering shrub covered with myriads of small, golden yellow, pea-shaped blossoms. Often grown as a pot plant for Easter decorations. Does well in any garden. Strong plants in 4-inch pots... .75
- HISPANICA.** Relatively referred to as Scotch Broom. Covered during early Spring with large, golden yellow, pea-shaped flowers. Strong plants from pots..... .75

GINKGO

- GINKGO.** Often spoken of as the Maidenhair Tree. A beautiful, hardy tree from North China, with handsomely notched, fan-shaped leaves. This plant will stand many degrees of cold. Splendid, established specimens..... \$2.50
- Larger sizes..... Prices on application.

HIBISCUS

TWO SUPERB SINGLE HIBISCUS. Nearly every one is acquainted with the single Scarlet Hibiscus or the double Crimson and double Pink, but here we have two beautiful new single forms. They are distinct in color and profuse in bloom. Each

ORANGE YELLOW. A distinct shade of orange with a deep crimson center or eye.

BUFF YELLOW. A splendid shade of deep buff yellow, with a maroon colored eye. Strong plants from 4-inch pots..... \$0.60

SPECIAL OFFER—One of each for \$1.00

HIBISCUS. The value of the Hibiscus as a garden plant is well understood. They will not stand much frost, but should be planted in a warm sunny location. We offer you two of the best varieties—Double Crimson and Peach-blow. Strong balled plants from the field, three-quarters of a foot high..... \$1.50

HYPERICUM

A splendid group of shrubs for general planting. While the general character of growth in the various species is distinct, they nearly all bear yellow flowers. Some are dwarf, others tall. All are good and nearly all are hardy. Each

MOSERIANUM. A comparatively dwarf variety with bright golden yellow flowers two to three inches across. A fine thing for the foreground to a shrubby planting..... .50

PATULUM VAR. HENRYI. A superb new species from Thibet. Large golden yellow flowers with conspicuous bunches of yellow stamens..... .75

JACARANDA

MIMOSAEFOLIA. The beauty of Jacarandas is well known. It produces masses of rich dark blue flowers and beautiful fern-like foliage. Extra fine plants, pot grown..... \$0.75

LAURUS

TINUS. One of the best of all hedge plants, or it may be used as a single specimen. Can be trimmed to any desired shape. Strong young plants..... \$0.25
Extra large specimens..... Prices on application

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 from the field, which can be shipped dormant during January, February and March..... \$1.00

CRIMSON (Crimson Crepe Myrtle). Similar to the foregoing but with deep rosy crimson flowers..... 1.00

LEPTOSPERMUM

LAEVIGATUM. One of the handsomest of all weeping shrubs. A native of Australia, suitable for lawn planting. Densely covered with minute flowers during early Spring. Handsome gray green foliage. Balled specimens from the field..... 1.50

LINUM

FLAVUM. A handsome species of Perennial Flax. Each large golden yellow blossoms borne in Mid-winter, averaging some two to three inches across. \$0.50 Doz. \$5.00

MAGNOLIA

GRANDIFLORA. The well known Magnolia of the South, bearing extra large snowy white blossoms. Strong plants in pots..... \$1.00

EUGENIA MYRTIFOLIA

EUGENIA MYRTIFOLIA. A splendid, bushy, low growing tree closely related to the Myrtle. Very handsome. Suitable only for warm sections. Strong balled plants from the field..... \$1.00

LONICERA

NITIDA. A new evergreen shrub from China with handsome small round foliage and pendulous habit of growth. This new shrub makes an ideal hedge plant aside from its beauty when grown as an individual specimen. Strong plants in pots..... \$0.50

MYRTUS

COMMUNIS (Common English Myrtle). A splendid dwarf evergreen plant suitable for borders or hedges, also of equal value if allowed to grow into individual specimens. Bears masses of fragrant pure white flowers. Strong field plants..... 1.50 Doz.

COMMUNIS MICROPHYLLA. Identical with the preceding, but with much smaller leaves. Strong field plants..... 1.50

OLEANDERS

These make spectacular specimens in a short time and are practically ever-blooming. They will stand several degrees of frost without injury. Of splendid value for such locations as Arizona, Texas, and generally speaking, the Southwest, where the temperatures do not go too low. We can offer them to you in the following colors: White, Salmon, Pink and Scarlet. Strong plants from pots..... \$0.75
Extra large balled specimens from the field..... 1.50

PITTIOSPORUM

The bright glossy green foliage of the various Pittosporums, coupled with their delicately fragrant blossoms, places them in the front rank of medium high garden shrubs. We offer four of the very best. Each

UNDULATUM. Handsome undulated foliage, light green in color. Flowers delightfully scented. Strong plants..... \$1 to \$1.50

CRASSIFOLIUM. An erect growing species with thick leathery foliage. Very handsome as a specimen plant..... "

NIGRA. Glossy light green foliage with black stems..... "

TOBIRA. Dark green, glossy foliage..... "

Note.—We can supply large balled specimens of all the above varieties from the field or established in large receptacles. Prices on application.

POINSETTIA

PULCHERRIMA (Single Scarlet). This plant is well known and universally admired for its handsome scarlet bracts. We have this plant in all sizes. They should be set out in the open ground when danger of frost is over. Strong plants..... \$0.50
Extra large specimens..... 1.50

PHILADELPHUS

The following splendid Philadelphia or Syringas, as they are commonly called, are hybrids of French origin. They are deciduous flowering shrubs, covered with quantities of handsome blossoms during the early Spring. These wonderful new varieties are distinct from any of the older varieties in cultivation. The flowers are of various shapes and sizes, and in one or two of the varieties entirely new colors have been introduced.

BANNIERE—A very large flowered snowy white form, with handsome semi-double blossoms.

BOUQUET BLANC—A superb pure white, perfectly double form.

COQUETTE—A very large flowered pure white.

PURPUREO-MACULATUS—Pure white with a distinct purple spot on each petal.

ROSACE—Immense double, pure white flowers, quite distinct in form from Bouquet Blanc.

VIRGINAL—Unquestionably one of the best of all the double white varieties.

SPECIAL OFFER—Each of the above 75c. One each of the above six varieties \$4.00.

PRIVET

LIGUSTRUM JAPONICA. An ideal hedge plant with oval-shaped leaves covered in Spring with numerous spikes of fragrant white flowers. Grown in boxes, one hundred plants to the box. Young plants for lining out..... \$0.15 Doz. \$1.50
Per 100, \$12.00

VARIEGATA. A handsome small leaved variegated Privet of green and gold. Quite hardy, exceedingly ornamental. Strong plants in six-inch pots..... \$1.00

SCHINUS

MOLLE. One of the best of all trees for street planting. Each Universally grown and admired throughout California. Five to six feet high..... .75

VERONICAS

Veronicas may well be considered as amongst the daintiest of all dwarf shrubs. They are especially adapted for front borders. They do particularly well near the sea coast. The following are amongst the best:

ALBA. Long, narrow foliage, compact growth, flowers pure white.

ANDERSONI. Handsome light olive leaves, flowers pale blue.

IMPERIALIS. One of the best. Exceedingly vigorous grower, spikes of carmine crimson flowers.

LOBELOIDES. Large spikes of pale blue flowers.

MICROPHYLLA. Handsome, small foliated variety, covered with innumerable spikes of pure white flowers.

VARIEGATA. One of the best of variegated shrubs. Leaves are margined with white. Flowers a beautiful shade of blue. Each 1.00
Large specimens, balled, from the field.....

WEIGELIAS

Hardy deciduous shrubs producing masses of chocolate-colored flowers during early spring. The following are three of the best:

HORTENSIS NIVEA. A beautiful white, tinted pink, variety.

EVA RATHKE. A perpetual blooming variety, with deep carmine flowers.

CANDIDA. An extra large, pure white. Price, strong, two-year-old plants of any of the above... Each \$1.00

Germain's Selection of Choice Conifers

ARAUCARIA

BIDWILLI. The **Bunya Pine.** By all odds one of the handsomest of all coniferous plants. Foliage dark, glossy green. Branches arranged in regular tiers. Strong, balled plants from four to eight feet high, each \$5.00 to \$15.00

CEDRUS

DEODARA. In our opinion one of the most magnificent of all forest trees in existence. The whole plant has a grayish green cast. Suitable for lawn planting or for reforestation purposes. Strong plants, two to three feet high. \$3.00
Three to four feet..... 3.50

CUPRESSUS (CYPRESS)

ITALIAN. This well-known Cypress is largely used in formal gardens, etc. The plants are columnar in their habit of growth. Fine specimens, five to six feet high..... 2.50
MACROCARPA. This is the native Cypress found in the district around Monterey. A splendid variety for seacoast planting. Strong plants in flats..... \$5.00
3-inch pot plants, one to two feet high..... Each
50

LIBROCEDRUS

DECURRENS. This grand, so-called Red Cedar should be largely planted. It is undoubtedly one of the stateliest of all our native species. Especially adapted to dry land plantings. Strong, young plants, two to three feet high. \$2.50
Three to four feet high..... 3.50
Four to five feet high..... 5.00

PINUS

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 variety. Strong plants in cans..... 1.00
INSIGNIS. The well-known Monterey Pine. A rapid-growing variety with handsome, dark green needles. Strong specimens, four to five feet high..... \$1.00



KENTIA PALM

Germain's Selection of Choice Ferns

ADIANTUM

CAPILLUS VENERIS. A hardy California Maiden-Hair. Strong, young plants..... Each Doz.
\$0.50 \$5.00
CUNEATUM. The true Maiden-Hair Fern. One of the best for conservatory decoration. Strong, young plants..... .50
Specimen sizes, according to size..... \$1.00 and 1.50

ASPLENIUM

NIDUS AVIS. The Bird's Nest Fern from the Hawaiian Islands. Broad, handsome palmate foliage. One of the handsomest of all house ferns. Strong plants \$1.00 to \$3.50



BOSTON FERN

NEPHROLEPIS

BOSTONIENSIS. The well known Boston Fern. Unquestionably one of the best of all for interior decoration. Strong plants from 5-inch pots..... Each \$1.00
From 6-inch pots..... 1.50
Specimen plants, according to size, up to..... 3.50
EXALTATA. The old-fashioned Sword Fern, suitable for shady rockeries, ferneries, etc. Quite hardy and exceedingly handsome plants..... \$0.75
PIERSONI. The well-known Ostrich Plume Fern. A sport from the Boston, with the pinnae again sub-divided, each having the appearance of a miniature leaf. Strong plants from 5-inch pots..... \$1.00

WOODWARDIA

RADICANS. The large California native mountain Fern. In gallon cans..... .75
In 5 gallon cans..... 1.50

Germain's Choice Palms

COCOS

PLUMOSUS. A tall, slender growing palm from Brazil, the leaves are beautifully arched. A well-developed plant reminds one of a giant ostrich plume. May also be grown in pots for interior decoration. Strong, young plants, eighteen inches to two feet high..... \$1.25
Four to five-foot specimens with well-developed character foliage..... 2.50
AUSTRALIS. One of the hardiest of all the various types of Cocos Palms. Foliage is beautifully reflexed, blue green in color and very hardy. Fine specimens in pots..... \$3.00

KENTIA

The two varieties classed under this head are undoubtedly the best for all indoor, house Palms; they thrive and grow for years in any ordinary living room, and will stand the naturally dry and harsh conditions characteristic to the interior of a building.
BALMOREANA and **FOSTERIANA.** We can offer fine, strong plants of either variety, as follows: 4-inch pot plants... Each \$1.50
Specimens three to four feet..... 3.50
Extra large plants, five to six feet high..... 7.50

PHOENIX

CANARIENSIS. The well-known, so-called Date Palm, so largely grown in Southern California. Splendid as a porch plant and equally valuable for planting outside. Strong plants, two to three feet high..... \$1.50
Extra large specimens, four to five feet high..... 3.50

Indoor Decorative Plants

Contained under this head are a few of the better varieties suitable for pots, jardinières, hanging baskets, etc.

ANTHERICUM

VARIEGATUM. A dainty and easily grown decorative plant with narrow foliage, prettily striped green and yellow. Ideal for hanging baskets or for growing in pots. Strong plants in 5-inch pots..... \$0.50

ASPARAGUS

PLUMOSUS NANUS. This handsome Asparagus is equal to the finest Ferns in point of beauty and more easily grown. Especially valuable for growing in pots for interior decoration. Strong plants in 5-inch pots..... \$0.75
Larger sizes from..... \$1.00 to 1.50

SCANDENS DEFLEXUS. This beautiful Asparagus is undoubtedly one of the best of all basket plants. Foliage is light green. The growth is pendulous, often reaching a length of from four to five feet, in well-grown specimens. Strong pot grown plants..... .50

SPRENGERI. A very hardy variety of Asparagus, suitable either for pots or hanging baskets. Will grow in either full sun or partial shade. This variety is fast growing and requires plenty of feeding. Strong plants in pots..... 1.00

ASPIDISTRA

LURIDA. An ideal house plant with rich, dark green foliage. For lasting qualities this may be regarded as one of the best of all house plants. The foliage is from three to five inches broad, with a length of from two to three feet. Will stand a dense shade in which few other plants will grow. We have a splendid stock of these in assorted sizes. Strong plants from 6-inch pots..... \$2.50
10-inch pans..... 5.00

BEAUCARNEA

RECURVATA. A very rare decorative plant from Mexico. The foliage is long, narrow and gracefully arched. The peculiarity of this plant is the large round tuberous growth which forms at the base of the stem. The recurring foliage attains a length of from three to four feet, in well-developed specimens. We recommend this plant highly to all of our customers who desire something which will last them for an indefinite period. Fine, strong plants, eighteen inches to two feet high..... \$3.50

Citrus Fruit Trees

California is justly famous the world over for her fruits. The ideal climate, soil and long growing season, give us the best, strongest, healthiest and most perfect young trees that grow. More especially does this apply to citrus fruit trees of all kinds. Germania's reputation as a house of quality, first, last and all the time is your strongest guarantee that your orders will be filled with only the best grade of stock.

ORANGES

KUMQUAT (The Kin-Kan of Japan), meaning Gold Orange. Fruit very small, olive-shaped, the rind is orange yellow and has a pleasant aroma; used by the orientals for preserving. The tree is dwarf and ornamental. May to July; \$3.50 each.

TANGERINE (Dancy's). The standard variety, ripens at the same time as the navels; pulp is sweet and separates freely from the rind. Best of the Mandarin family. March; \$3.50 each.

VALENCIA LATE. A late and prolific bearer, fruit medium size, oval, solid and heavy; flesh exceedingly juicy and sweet. The other of the two most profitable and world famous oranges. Fruit medium size, very few seeds, sub-acid flavor; ripens late and keeps well on the tree throughout the summer. Season from June to September. The best late orange; \$3.00 each.

WASHINGTON NAVEL. One of the two most profitable oranges grown. World famous. Derives its name from the formation on the blossom end. A regular bearer of large, luscious fruit of the most delicious flavor. Fine shipper, ripens early. Season from November to May. The best early orange; \$3.00 each.

LEMONS

EUREKA. The celebrated California Lemon and the favorite shipping commercial variety. Undoubtedly the best of all Lemons. Medium size fruit, having few seeds; heavy, juicy and well flavored. A good keeper, tree thornless and a most prolific bearer. The variety most largely grown in California. \$3.00 each.

LIMES

BEARSS SEEDLESS LIME. The best lime grown. Large, being about the size of ordinary lemons. More juicy and thinner skin than any Mexican variety. Perfectly seedless. We hold a fine stock of good straight two year old trees, at \$3.50 each.

POMELO OR GRAPE FRUIT

MARSH'S SEEDLESS. The best and most popular variety of the Pomelo. Seedless and sweet; can be eaten without sugar when fully matured. Medium size, rind thin, flesh dark and rich; an early and prolific bearer and a late keeper. \$3.00 each.

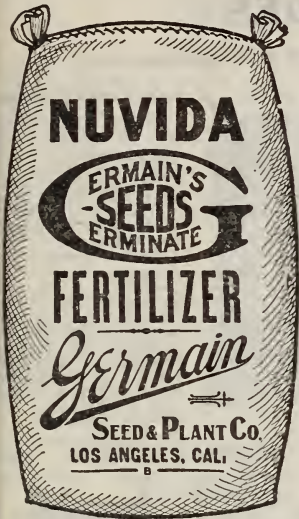
VEGETABLE PLANTS AND ROOTS

We beg to call your attention to the fact that in dozen and lots of 100, the prices below are parcel post or express prepaid. In lots of 1000 the price quoted is F. O. B., Los Angeles. Owing to the fact that our vegetable plant stock is grown at a different nursery from other plants, we are compelled to make shipment of vegetable plants separately.

The plants mentioned below are usually sent out packed carefully in moss. If desired, sent in a flat, please add fifty cents for each flat.

	Prices Prepaid		Prices F. O. B., L. A.		Weight Per 1000
	Doz.	Per 100	Per 1000		
ARTICHOKE, Green Globe.....	\$1.50	\$12.00			50 lbs.
ARTICHOKE, Green Globe, Half Moon Bay.....	2.50	15.00			
ARTICHOKE, Jerusalem, roots.....	per pound 15 cents.				
ASPARAGUS, Giant Argentineil 2 year old plants.....	.50	4.00	30.00		50 lbs.
ASPARAGUS, Conover's Colossal 2 " " ".....	.50	4.00	30.00		50 lbs.
ASPARAGUS, Palmetto 2 " " ".....	.50	4.00	30.00		50 lbs.
CABBAGE, Early Winningstadt.....	.20	.75	4.00		50 lbs.
CABBAGE, Cannon Ball.....	.20	.75	4.00		50 lbs.
CABBAGE, Flat Dutch.....	.20	.75	4.00		50 lbs.
CAULIFLOWER, Snowball.....	.20	1.00	4.00		50 lbs.
CELERY, Golden Self Bleaching.....	.25	2.00	10.00		50 lbs.
CELERY, White Plume.....	.25	2.00	10.00		50 lbs.
CHIVES.....	15 cents per bunch 1.50				
EGG PLANT, New York.....	.75	4.00	30.00		100 lbs.
HORSE RADISH.....	1.50	1.50	10.00		25 lbs.
PEPPERS, Anaheim Chili.....	.30	2.00	15.00		20 lbs.
PEPPERS, Chinese Giant.....	.30	2.00	15.00		20 lbs.
PEPPERS, Pimento.....	.30	2.00	15.00		20 lbs.
RHUBARB.....	1.50	10.00			
RHUBARB, large size plants.....	2.50	15.00			
RHUBARB, Panama—see page four.....					
SWEET POTATO.....	.25	1.25	5.00		20 lbs.
TOMATO, Beefsteak.....	.30	1.50	10.00		20 lbs.
TOMATO, Earliana.....	.30	1.50	10.00		20 lbs.
TOMATO, New Stone.....	.30	1.50	10.00		20 lbs.

Write for quantity prices.



NUVIDA LAWN AND GARDEN FERTILIZER

The verdict of all who have used the Nuvida Lawn and Garden Fertilizer is that 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 one's 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. After applying, the sprinkling of the hose brings it down to the roots of the grass, stimulating them to greater activity, and producing a thick sward and a firm growth which remains so throughout the season. 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. Great care should be taken to distribute the Fertilizer evenly and in no greater quantities than recommended. It can be applied at any time during the year, but never while the grass is wet. This material is equally suitable for flower beds, or the home truck garden.

Trial bag for 300 square feet, 10 lbs. . . . \$0.60 50 pound sack for 1,000 square feet. . . . 2.25
25 pound sack for 750 square feet. . . . 1.25 100 pound sack for 3,000 square feet. . . . 4.00

WRITE FOR NUVIDA PAMPHLET

NUVIDA FLOWER AND FERN FERTILIZER

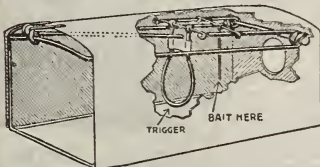
The Germain Seed & Plant Co. have endeavored for years to obtain a fertilizer which would meet all the requirements necessary for flower culture. We owe it to our large patronage to recommend only that which will give results and satisfaction. It is of a concentrated nature requiring but very small doses to the plant and will undoubtedly yield good results. The material is known as the NUVIDA FLOWER AND FERN FERTILIZER and we confidently feel assured of its success, because of its purity, its food value, and its proportions of fertilizer elements. Nuvida Flower and Fern Fertilizer, 35 cents per can.

STIMULANT TABLETS

A highly concentrated tablet in tablet form for general fertilizing uses. Particularly adapted to potted plants. Trial size 20 cents; small size 30 cents; medium size 90 cents. Large cans \$3.75.

TRAPS—GOPHER POISONS

KNOXALL GOPHER TRAP



A metal box trap. Very popular and efficient. Each. . . . \$0.25

WESTERN WOOD BOX GOPHER TRAP

An old but popular and satisfactory style. Each. . . . \$0.30



MACABEE GOPHER TRAP



The most popular trap on the market. Made of strong steel wire. Each. . . . \$0.25

RAX

The most effective remedy we know of for use against rats and mice. It is a bacterial preparation that spreads a disease among the rats which kills them. Not dangerous to human beings. Per bottle 75 cents. Can be mailed.

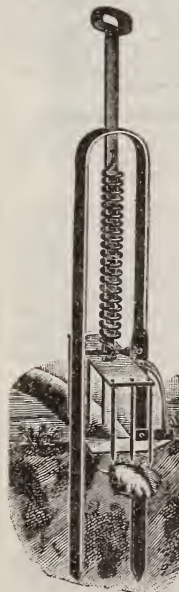
GOPHER-GIT-ER

Ready and easy to use. No mixing, no waste, never loses strength. Guaranteed to do the work or your money refunded. The only thing that will get a pocket gopher, and will kill ten where a trap will get one. Not mailable.

5 oz. can. . . . \$0.35 10 oz. can. . . . \$0.50

REDDICK MOLE TRAP

The frame is 3/4 in. flat steel, has 6 tinned steel prongs 4 1/2 in. long Japanned coil spring; length over all, 24 in.; width, 3 1/2 in. Nothing better for trapping moles. Each. . . . \$1.25



LITTLE GIANT MOLE TRAP

The Best "Catch" on the Market.

Simplest, Surest, Safest.

It is made of all steel and heavily tinned, which makes it a very attractive as well as a durable trap. The spears are made of spring steel and are therefore smaller than those made of soft steel, piercing a mole more easily.

Price each. . . . \$1.00

EUREKA SQUIRREL EXTERMINATOR

By working the bellows the Carbon Bisulphide generates a gas which is forced into the gopher holes, not forcing any of the liquid. Price \$15.00.

KILMOL

This is a preparation which is recommended by State and Government authorities as being the most effective method for exterminating gophers and squirrels. It is composed of a liquid that gives off asphyxiating gases and also irritant poisons which insure the death of the animals. This material can be applied with either a special pump for that purpose or the waste ball method. (Not mailable.) Prices, 1 gallon, \$2.25; 5 gallons, \$8.50. Write for circular. Sent by freight only.

CARBON BISULPHIDE.

This is a liquid which when placed in a gopher or rat hole gives off fumes which are poisonous to these rodents. In the open air there is no danger to the operator. Quarts 60 cents, gallon \$2.25. Not mailable, sent by freight only.

WASTE BALLS

These balls are made of jute and absorb about an ounce of Kilmol or carbon bisulphide. These are placed in the hole and a match applied. This is a satisfactory method during the rainy season. Price 85 cents per 100. \$7.50 per 1000.

BUNT'S RODENT EXTERMINATOR

A cartridge which when ignited gives off fumes poisonous to the gopher. Very effective. Per 125 \$3.50, per dozen 50 cents. Express or freight only.

POISONED BARLEY

Extensive experience with this type of Poisoned Barley has shown an efficiency far ahead of any other type of poisoned grain tested. The percentage of squirrels destroyed is far higher than with any other type of poisoned grain used.

The bitter taste of the strychnine is delayed for several minutes and squirrels can place in their cheek pouches a considerable quantity before any bitter taste is noted; it is then too late for the squirrel to get rid of the poison, as enough has been absorbed to kill the animal.

Prices, 1 pound can \$0.50; 5 pound can \$2.00; 50 pound drum \$11.50; 100 pound drum \$20.00. Not mailable.

INSECTICIDES AND FUNGICIDES

NOTE.—Only items marked "Can Be Mailed" are permitted to go by parcel post, others must go by express or freight.

"CORONA DRY" ARSENATE OF LEAD

We unhesitatingly recommend "Corona Dry" as being the best means of ridding trees and plants of all leaf-eating insects, such as codling moth, potato beetle, cabbage worms, etc. Its superiority as a successful dry powdered arsenate of lead is unquestioned, and for all uses it is far superior in all points to any paste arsenate of lead upon the market. It mixes easily, less freight to pay, economical, and always the same. One pound of Corona Dry will do the work of three pounds of paste and do it better. **Can-not be mailed.**

½ pound size.....	50.40
1 pound size.....	.70
5 pound size.....	3.25
10 pound size.....	6.00

CORONA BORDEAUX MIXTURE

This year we offer the finest Bordeaux Mixture that has ever been placed on the market. It is manufactured by the Corona Chemical Company who have so successfully placed Corona Dry among the growers. It is a very fine powder that mixes perfectly with water and is the ideal spray for practically all plant diseases. It can be used also with great success against gum disease of citrus trees by simply adding sufficient water to make a paste. It is also the first successful dusting powder on the market. We unqualifiedly recommend this product as being the best possible. ½ pound size 30 cents; 1 pound size 45 cents. **Can be mailed.**

BLACK LEAF FORTY. A solution of nicotine sulphate containing 40 per cent nicotine. The most highly recommended spray for soft bodied sucking insects such as plant lice, thrips, leaf hoppers. Also used for canker and currant worms, cherry slug, etc. Mixed with Lead Arsenate and Lime Sulphur it is at one time a remedy for scab, lice, and codling moth on a tree. Four sizes, 1 ounce bottle 25 cents; ½ pound \$1.00; 2 pound can \$3.25; 10 pound can \$13.75. **Cannot be mailed.**

BLUESTONE. We carry only a high grade eastern Bluestone. This material is used for making Bordeaux Mixture as a spray for plant diseases, in the chicken house, etc. It is also used as a preventive for barley and wheat smut, by soaking the seed in a solution of one pound to five gallons of water for ten minutes. Per pound 20 cents. Write for prices in larger quantities. **Can be sent parcels post.**

DUSTING MIXTURES

NICODUST. For aphids, thrips and similar insects.

DOUBLE NICODUST. Similar to Nicodust but more effective. Used against more resistant insects such as the melon aphid.

NICOSULPHURDUST. A combination dust used against red spider, aphid, mildew, etc. Write for prices.

CARBON BISULPHIDE. A highly inflammable liquid used for fumigating stored grain and seeds, to get rid of the weevil. Also used against ants. Pints, 40 cents; quarts 60 cents, gallons \$2.25. **Can be sent by freight only.**

CARCO. The only successful material we know to combat wire worms, mealy bugs and other insects in the ground. Highly concentrated and should be diluted from 100 to 200 times with water. 6 oz. bottle 50 cents; pints 75 cents; quart \$1.25; half gallon \$1.75; gallon \$2.50. **Cannot be mailed.**

FORMALDEHYDE. It is of pronounced efficiency in destroying disease germs, affecting both animal and plant life, and is a successful preventive of fungus diseases as scab, rust, smut, etc. The dilution used is one pound (pint) Formaldehyde to 25 or 30 gallons of water; ½ pound bottle 75 cents, 1 pound bottle \$1.35, quart bottle \$2.00, gallons \$7.50. **Cannot be mailed.**

FISH OIL SOAP. An excellent and inexpensive means for killing plant lice and scale insects. Makes a good wash for trees and plants. 1 pound 25 cents. In large quantities we quote very low prices. **Can be mailed.**

FLORAL NICOTINE

Everybody that has a garden knows the green bug or aphid which is so prevalent on rose bushes, etc., in the spring months. Their attack results in weak plants, and in spoiled blossoms. We are now offering to the public this material known as Floral Nicotine, which is the most effective insecticide for this purpose that we know. It is a concentrated material and will give very good results; 25 cents, 50 cents, and \$1.00 sizes. **Cannot be mailed.**

LEMON OIL INSECTICIDE—SCALE KILLER

We are the California distributors for this highly successful material. It has been used in the East for a long time by the florists, nurserymen and private gardeners, who recommend it for destroying scale insects, mealy bug, lice, thrips, etc. It is odorless, non-poisonous, and economical. We are very glad to be able to offer this to the public as we feel certain every user will be highly satisfied.

½ pint.....	50.50	½ gallon.....	\$2.25
1 pint.....	80	1 gallon.....	3.75
1 quart.....	1.25	5 gallon.....	15.00

LIME SULPHUR (Rex Brand). The best combination insecticide and fungicide on the market. A standard remedy for the San Jose and other scales on deciduous fruit trees. A sure remedy for the pear leaf blister mite and the oyster shell bark louse. In three sizes: pints 25 cents, quarts 40 cents gallons \$1.00. **Cannot be mailed.**

NICO-FUME FUMIGATING PAPER. A tobacco paper of proven worth for fumigating greenhouses against aphides, thrips, etc. 24 sheet can \$1.25; 144 sheet can \$5.00; 288 sheet can \$9.50. **Can be mailed.**

ROSIN SPRAY. This spray is recommended by most horticultural authorities as being the best insecticide for scale insects. It is an improved form of the well-known Resin Wash, and is far more convenient to handle and on account of its greater concentration is more economical. In pounds, thirty cents, two pounds at forty-five cents and three and one-half pound cans at seventy-five cents. Also larger sizes. The pound can makes two and one-half gallons of spray. **Can be mailed.**

SOLUBLE SULPHUR COMPOUND

SOLUBLE SULPHUR is very penetrating—going through and through all scale and insect crusts; whereas the lime in the lime-sulphur solution solidifies and neutralizes the sulphur, forming a harmless crust or up the surface of the tree, preventing the normal function of bark and leaves, but cleans the surface from all such hindrance to tree growth.

A 100-pound drum of Soluble Sulphur is equal to a 600-pound barrel of lime-sulphur solution; effecting a saving of 500 pounds in shipping and handling weight.

It is used as a liquid spray as an insecticide and fungicide the same as lime sulphur for most all purposes.

150 pound drum.....	\$18.00
100 pound drum.....	13.00
10 pounds.....	2.50
1 pound.....	.35

Small sizes can be mailed.

WATCH-IT-GET-EM. This is a complete line of insecticides for the most common insects about the home. The ant powder, the bed-bug, the fly, and also the roach, are by far the best and most efficient insecticides of their kind. Sold on a guaranteed basis. In twenty-five, fifty, and dollar size cans. When ordering specify particular insect. **Can be mailed.**

ANCHOR SULPHUR

It has been proven and so recommended by the University of California that if you sulphur your grape vines and orchards six times they will not be affected by Mildew or Red Spiders.

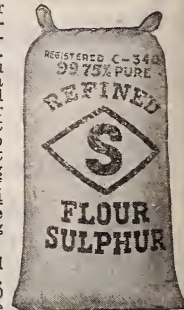
Anchor Brand Velvet Flowers of Sulphur, packed in double sacks the fluffiest and purest sulphur that money can buy; the best for vineyards; the best for bleaching purposes, leaving no ash. Per lb. 10 cents; \$5.80 per sack of 110 lbs.



DIAMOND "S" SULPHUR

For Lime-Sulphur Solution, use our Diamond "S" Brand Refined Flour Sulphur. We can furnish you this sulphur at such a low price that it would pay you to mix your own solution and net you a profit equal to the amount paid out for labor in spraying your orchard, even if you pay your men \$4 per day for making the solution and applying same.

To create additional available plant food, drill into the sod 100 to 400 pounds per acre Diamond "S" Brand Powdered Sulphur, 100% pure. This has increased various crops up to 500%. Per sack of 110 pounds \$4.15.



SULPHO TOBACCO SOAP. A combination insecticide and fungicide. A good cure for aphid and other soft bodied insects, and also a remedy for mildew. Makes a fine wash for trees and bushes. 3 oz. cake 10 cents; ½ pound 20 cents. **Can be mailed.**

TOBACCO DUST

Used as a dust for lice on rose bushes. Per pound 15 cents; 5 pounds 65 cents. **Can be mailed.**

TREE TANGLEFOOT. For protecting trees against climbing insect pests in a simple, economical and effective way, use Tree Tanglefoot—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months fully exposed to the weather. Easily applied with a small wooden paddle; 1 pound will spread 8 feet long by 5 inches wide, 1-16 inch thick. Will stay on trees three months. 1 pound can 55 cents, 5 pound cans \$2.50, 10 pound cans \$4.75. **Mailable.**

SLUG SHOT. A fine powder used either in sprayer or duster, thoroughly reliable in killing currant worms, potato bugs, cabbage worms, slugs, etc. Also aids the prevention of blights. 1 pound package 20 cents; 5 pound package 75 cents. **Can be mailed.**

NURSERY AND ORCHARD SUPPLIES

BEESEX

A doubly refined yellow wax unexcelled for pruning and grafting purposes. Pound cake 75 cents.

BUDDING CLOTH

A cloth treated with resin and beeswax. useful for all budding and grafting purposes. Put up in 1/4 square yard and 1 square yard. The prices are respectively 40 cents and 75 cents.

GRAFTING WAX

A Lion Brand preparation for healing wounds on trees, caused by pruning. Very excellent also for spreading around the graft in grafting propagation. Three sizes: pound 60 cents, 1/2 pound 35 cents, and 1/4 pound 20 cents.

PENCILS, WOLF'S INDELIBLE

Will dispense with painting labels; 15 cents each.

TIN FOIL

Fand 6 inches wide, per lb. 35 cents.

MOSS

Moss Green. Fine and fresh. Is not stained. The best for hanzing baskets. Per pound 25 cents. Quantity price on application.
Sphagnum Moss. Per bale \$3.25.

RAFFIA

Natural, per bunch.....\$0.10
Natural, per lb......40
Colored, per bunch......10
Colored, per lb......2.00
Needles, per dozen......30

List of Colors

Black, Lavender, Pink, Purple, Blue, Medium Red, Indian Red, Medium Green, Dark Green, Light Brown, Medium Brown, Dark Brown. Send for sample of colors.

REEDS

Put up in 10 cent bunches. Prices quoted by the pound on application on sizes we are able to supply.

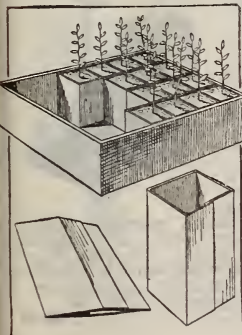
HANGING FLOWER POTS

Each
7 inch...\$0.30
8 inch... .35
10 inch... .50
12 inch... .90
14 inch... 1.50
15 inch... 2.00



TAR PAPER POTS

(Open Bottom)



Size	Price per 100
2x2x3 inch	\$0.75
2x2x4 inch	1.00
2x2x5 inch	1.00
2x2x6 inch	1.25
2x2x8 inch	1.25
3x3x3 inch	1.00
3x3x4 inch	1.25
3x3x5 inch	1.25
3x3x6 inch	1.50
3x3x8 inch	1.75

PLANT STAKES Painted Green

	Doz.	Per 100
2 feet.....	\$1.00	\$7.75
3 feet.....	1.30	10.50
4 feet.....	1.60	12.75
5 feet.....	1.90	15.00
6 feet.....	2.25	18.00

LABELS

Garden Labels	Per 100	Per 1000
Painted, 8 inch.....	\$1.00	\$9.00
Painted, 10 inch.....	1.25	11.25
Painted, 12 inch.....	1.50	14.25

Pot Labels

Painted, 4 inch.....	.30	2.00
Painted, 5 inch.....	.35	2.40
Painted, 6 inch.....	.40	3.00
Plain, 4 inch.....	.25	1.75
Plain, 5 inch.....	.30	2.15
Plain, 6 inch.....	.35	2.50

Tree Labels

Copper wired, plain.....	.30	2.75
Copper wired, painted.....	.35	2.75
Iron wired, plain.....	.25	2.00
Iron wired, painted.....	.30	2.50



YUCCA TREE PROTECTORS

Length	Per 100	Per 1000
12 in.....	\$1.25	\$11.00
14 in.....	1.40	12.00
16 in.....	1.50	13.50
18 in.....	1.75	15.00
24 in.....	2.00	18.00
30 in.....	2.25	21.00



EXPAN TREE PROTECTORS

Be sure to state the size and kind you want, and then we can fill your order correctly.

No. 3 per 100
14 inch. Price..... \$1.40
18 inch. Price..... 1.65
24 inch. Price..... 2.00

Black per 100
14 inch. Price..... \$1.40
18 inch. Price..... 1.60
24 inch. Price..... 2.00



WIRE HANGING BASKETS (Round)

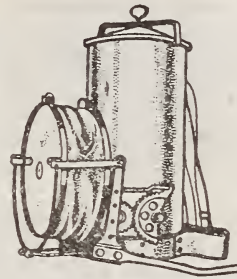
8-inch 60 cents, 10-inch 70 cents, 12-inch 85 cents, 14-inch \$1.00.

WIRE HANGERS

Wire hangers for hanging wire baskets and also for the hanging flower pots, 30-inch lengths, 10 cents each.

WIRE WALL POCKETS

8 inch 65 cents, 10 inch 80 cents, 12 inch 90 cents, 14 inch \$1.00.



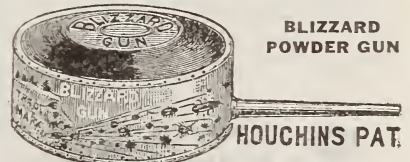
AMERICAN BEAUTY DUSTER

A knapsack duster for vineyard and orchard purposes. Very efficient.

Each...\$20.00

STAR POWDER GUN

"Star." Made of brass, holds 1 oz. of powder. Price each.....\$0.25



BLIZZARD POWDER GUN

"Blizzard." Holds 2 oz. of powder. Price each.....\$0.30

JUMBO POWDER GUN



"Jumbo." Holds 4 oz. of powder. Price each.....\$0.50

FLORODORA POWDER GUN



"Florodora" Powder Gun. Extra large gun, holds 1/2 lb. of powder. A perfect insect destroyer. Can be used with one hand. Especially adapted for spraying plants, shrubbery and animals of all kinds; can be used with or without the sprayer. Price each.....\$0.50

THE FEENY DUSTER



The most satisfactory small garden duster ever put out. Very satisfactory. Price each \$1.50.

DEMING SPRAY PUMPS



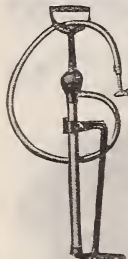
"PRIZE" SPRAYER, FIG. 669
For Garden and Greenhouse Spraying

Without some type of bucket spray pump, no assortment of garden tools may be said to be complete. The "Prize" is much used for spraying small trees, garden truck, flowers and shrubbery; washing windows, porches, autos and buggies; applying whitewash and disinfectants in barns and poultry houses; applying cattle-fly oil, stock dip, etc.

This is our lowest priced spray pump, but it is often referred to as "much in little." The "Prize" is double acting, discharging one-half the solution on both the up and down stroke, giving a continuous spray. It is light; easy to carry; and is "built for business." will develop a good pressure, is easy to operate, is practically non-breakable and will last for years.

Shipping weight 9 lbs.

"Prize" bucket pump, as illustrated...\$6.50
With "Bordeaux" nozzle instead of "Acme"..... 7.25



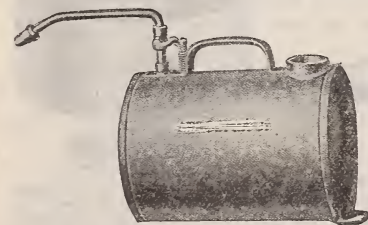
"SUCCESS" SPRAYER, FIG. 659
For Garden and Greenhouse Spraying, Etc.

Without doubt, this is the most popular bucket spray pump on the market. Hundreds of thousands of them are today in use all over the civilized world. It is similar to the "Prize" pump, except that it has a large brass air chamber, which acts as a cushion while the pump is operated, and delivers a more uniform stream.

For spraying a small number of trees, for flower and vegetable gardens, greenhouses, etc., it is practically indispensable. The "Success" is also widely used for washing windows, buggies and autos, for applying whitewash and disinfecting barns and poultry houses, also for applying cattle-fly oil, stock dip, etc. An easy working, powerful pump, will last a lifetime if given reasonable care.

Shipping weight 10 lbs.

Each.....\$8.50



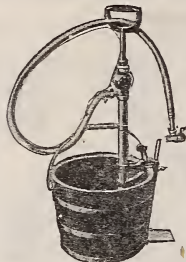
"SPRAERO" JUNIOR, FIG. 1776

For Garden, Poultry House, Greenhouse

This sprayer is on general principles constructed similar to the "Aerospra," Fig. 663, although smaller in size. No discharge hose is required, the nozzle being attached to the end of the discharge pipe and the spray controlled by thumb pressure upon the shut-off cock. The entire outfit is carried in one hand and the spray applied where wanted by simply pointing the discharge tube in the desired direction.

Shipping Weight—About eight pounds.

Fig. 1776—"Sprairo Junior" with galvanized steel tank, as illustrated....\$7.75



"PERFECT SUCCESS" SPRAYER, FIG. 689
For Spraying Small Fruit Trees, Gardens

Fig. 689—The "Perfect Success" spray pump has some advantages over the "Success" pump in that the adjustable foot rest is combined with a bucket clamp. By means of this device, the pump and bucket are rigidly fastened together so the whole outfit can be carried from place to place by the bail when bucket is filled with mixture. Except for the combination clamp and foot rest the pump is the same as the "Success," and it has 4 feet of discharge hose instead of 3 feet. **The bucket is not furnished but is illustrated to show how the outfit is used.**

Shipping weight 12 lbs.
Each.....\$9.00



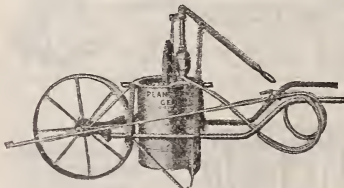
"AEROSPRA", FIG. 663
For Garden, Vineyard and Greenhouse

The "Aerospra" is the best and most durable compressed air hand sprayer on the market. It is convenient in all respects. **If the plunger is removed from the cylinder, it can be replaced without interference with the crimped plunger leather by placing it in the recessed cap of tank until the cap is attached again ready for operations.**

The straps are for carrying it on the shoulders—or it can be carried by the handle, when carrying lock is attached—The operator can pump up and spray at rest, until the reduced pressure requires pumping again. The tanks are tested to 100 pounds pressure—more than twice the pressure which is obtained by the average operator. The sprayer is patented and the name "Aerospra" is a registered trademark.

Shipping Weight—When boxed with all parts snugly packed the weight is about 20 pounds.

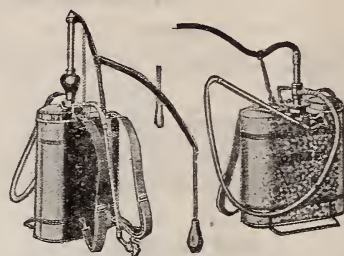
Fig. 663—"Aerospra" with brass air pump and brass tank, as illustrated and described.....\$16.00
Fig. 663—"Aerospra" as above, but with galvanized steel tank..... 12.00
Fig. 663—Brass with Adjustup Lance..... 18.00
Fig. 663—Galvanized with adjustup Lance..... 14.00



"PLANTER'S GEM" SPRAYER, FIG. 821
For Garden and Small Orchard Work

This is a spraying outfit of the wheelbarrow type, which fills a want among gardeners and planters for a one-man operated sprayer. Nothing of the kind that has ever been put on the market so completely meets this demand. The outfit is well designed and constructed, convenient for the operator, built for durability, and is as light in weight as is consistent with strength of the essential parts. All working parts of the pump coming in contact with the liquid are brass.

Shipping Weight—When crated, is about 140 pounds.
with galvanized tank.....\$43.00



KNAPSACK SPRAYERS, FIGS. 675, 654
For Garden, Vineyard and Greenhouse

Fig. 675—The "Success" Knapsack sprayer (the cut to the left) is a useful implement for the florist and grower of vegetables and small fruits. As a vineyard sprayer it is much used, but sprayers of large capacity are now more in use for this purpose.

Fig. 654—"Prize" Knapsack sprayer (cut to the right) is similar to Fig. 675, except that the tank is of galvanized iron, and the "Prize" pump is used.

Shipping Weight—The weights boxed for shipment are about 40 pounds.
Fig. 675—With brass tank as described.....\$26.00
Fig. 654—With galvanized tank..... 18.00



"GARDENER'S CHOICE" SPRAYER, FIG. 651

For Garden and Field Work, Small Orchards, Etc.

This is one of the most convenient spraying outfits for general use. As an all-round utility sprayer it cannot be beaten. It is particularly adapted for both the garden and greenhouse, also for orchard use, as well as for spraying livestock in the barn and livery stable. It is a splendid whitewashing outfit, as the pump is strong and durable and has a good agitator.

Shipping Weight, including cart, when crated, is about 120 pounds.
Fig. 651—"Gardener's Choice" as described above.....\$40.00

"PLANET" COMPLETE SPRAYING OUTFIT, FIG. 740

(Pump only is Fig. 763, listed below)
Another Complete Outfit Mounted Ready for Use

Many fruit growers prefer to purchase a spraying outfit complete with equipment and which can be easily connected to gasoline engine if desired. For the convenience of such users and our dealers we have produced the "Planet" complete spraying outfit. Fig. 740, the "Planet" outfit, is composed of "Planet" spray pump, Fig. 763, No. 1 (listed below), with equipment as shown.

Shipping Weight—Crated, about 275 lbs.
Fig. 740—"Planet" spraying outfit, as illustrated.....\$80.00



SPRAYERS, GARDEN HOSE, ACCESSORIES



NEW MISTY

Our old standby. The best selling quart size sprayer. Carefully made and tested of good stock. The pump passing through the top of the can makes it very strong. By using this construction the air nozzle and spray tube are always in line.

Price..... \$0.60



AUTO SPRAY No. 25 Continuous Atomizer

The Auto-Spray No. 25 operates continuously on both the up and down stroke and throws a fine misty spray.

Tin \$1.25; Brass..... \$1.50

PERFECTION SPRAYER

For Potato Spraying, Whitewashing, Disinfectants, Cold Water Paints, Etc.



The Hudson Perfection Sprayer has a tank made like a steam boiler. The all-riveted seams give the necessary strength for developing a high pressure, which is absolutely essential for good results. The all-brass pump is placed inside the tank and is easily removed. Weight 101 lbs.

Galvanized Tank, each..... \$8.00

Brass Tank, each..... \$11.00

DEMING SPRAYING NOZZLES

Fig. 965—"Bordeaux." It is the best general purpose spray nozzle ever produced. Throws a solid stream, coarse long-distance spray, or a fine mist, or it may be shut off. It is an excellent nozzle also for whitewashing, disinfecting, etc. Easily disgorger..... \$1.25



Fig. 766—"Simplex." light, durable and compact. Adapted for high pressure. Has two interchangeable steel spray discs, one coarse and one medium-fine spray. Does not waste liquid.. 1.00



Fig. 766 1/2—"Simplex" angle nozzle, similar to Fig. 766..... 1.00

Fig. 753—"Demorel," similar to "Vermorel," but somewhat lighter in weight, with caps for fine and coarse sprays..... 1.00



Fig. 963—"Vermorel," with caps for fine and coarse sprays. Obstructions readily forced out with spring disgorger. 1.15



GERMAIN'S PERFECTION HOSE
Guaranteed two years. Sold in any length.
Price, 1/2-inch, per foot..... \$0.18
Price, 3/4-inch, per foot..... .20

GERMAIN'S SPECIAL HOSE
The best in the market for the money. Each piece with our one year guarantee.
Price, 1/2-inch, per foot..... \$0.15
Price, 3/4-inch, in 25 and 50-foot lengths, per foot..... .13

SHERMAN HOSE BANDS

Flat brass bands for couplings, 1/2 or 3/4-in. Each..... \$0.08



MAGIC HOSE BANDS

Wire fastenings for couplings. 2 for..... \$0.05



SHERMAN COUPLING

Polished brass, 1/2 in. and 3/4 in. Price per set..... \$0.25



PERFECT CLINCHING COUPLINGS

Self fastening brass couplings, without extra bands.
1/2 in. pair..... \$0.30
3/4 in. pair..... .30



COOPER MENDERS

Wrought brass, easily applied by simply driving prongs into hose. No bands necessary.
1/2 in., each..... \$0.10
3/4 in., each..... .10



PERFECT CLINCHING MENDERS

Like the coupling, requiring no extra bands.
1/2 in..... \$0.12 1/2
3/4 in..... .12 1/2



WOODEN MENDERS

Furnished in 1/2 in. and 3/4 in. sizes. Price per doz..... \$0.25



WILGUS No. 1 SPRINKLER

The original Wilgus Sprinkler, used the world over. The sprinkler that marked a new era in lawn sprinkling 25 years ago. This sprinkler will give satisfaction where all others fail. Each, \$0.40.



WILGUS No. 2 SPRINKLER

This is an improved sprinkler and has double opening to chamber, thereby insuring even circle. Also has center stream, giving fountain effect as well as distributing an extra amount of water close to sprinkler. Each \$0.50.



WILGUS No. 7 SPRINKLER
This is the well known Twin Sprinkler used on nearly every lawn in the country and is to be found in every first-class hardware store in the United States. Each..... \$0.40

WILGUS No. 8 SPRINKLER

The popular Fan Sprinkler. Excellent for narrow strip of lawn or flower beds. Will cover large area on most any pressure. It is provided with large spike for sticking in ground to insure its remaining in position as required. Each..... \$0.35



TUTHILL ROTARY SPRINKLER

For lawns, shrubbery, gardens, nurseries, alfalfa, orchards, etc. Only sprinkler made which can be used on steep hill sides without washing; delivery of water is such that it will all be absorbed and not run on surface. Furnished with either spike base or tee base.

No.	Diameter Area Covered	Price Each Spike Base	Tee Base
1	30 to 40 ft.	\$4.50	\$5.00
2	40 to 60 ft.	6.00	6.50
3	60 to 80 ft.	7.00	7.50
4	80 to 100 ft.	9.00	9.50

DAISY HOSE NOZZLE



Throws a coarse or fine spray, or a large or small stream as desired. Each \$0.75.

ROSE NOZZLE



The Rose—Heavy round brass. Each..... \$0.75

GAREY & ROSS NOZZLE



Hand spray fan shape. Each \$0.75.

TOOLS AND IMPLEMENTS

NORCROSS CULTIVATORS



Prongs are 1/4 in. square spring steel fastened to a malleable head by bolts. Prongs are detachable by simply loosening nuts. Painted glossy black, shovels silver bronzed; white ash handle 4 feet long, nicely waxed.
 3 tooth.....\$1.00 5 tooth.....\$1.50

GRASS HOOKS



Village Blacksmiths No. 3 light. Each. \$0.80
 Village Blacksmith No. 3 heavy. Each. \$0.90

RHODES DOUBLE CUT TREE PRUNER



Has the new double cutting feature, which leaves a smooth cut that heals rapidly. The usual difficulty of the blades drawing together in the double cutter is overcome by the overlapping points. The blades are forged from tool steel, carefully ground and tempered. Ferrules are of wrought iron, four inches long with an extra ferrule one inch long on the end.
 Each.....\$5.00

BASTIAN TREE PRUNER



With one-half the labor of other pruners you can prune your trees, or twice as many each day with a Bastian Pruner. It's the Pump Gun Action and the extra leverage which gives the speed and ease. Best of orchard men have proven this. 6 ft., \$2.00; 8 ft., \$2.25; 10 ft., \$2.65; 12 ft., \$3.00.

NURSERYMEN'S HOOKS



Two 9-in. steel prongs 3/4 x 1/2 in. tapering to an edge, 3/8 in. solid steel shank, 1 1/2 in. steel ferrule ring. Each.....\$2.50

WARREN HOE



Solid steel, polished socket and blade, 4-ft. handle.
 7-in. blade.....\$1.35 7 1/2-in. blade.....\$1.60

BERMUDA RAKE



This tool is all machine made, with all working parts detachable, and the metal of each part selected for its particular use. The angle of the teeth, and its weight, keep it in the ground in the heaviest lawn. The sharp blades cut the grass in sections and the cross cutter bar completes the work. A lawn raked and cross raked is free of all runners and the work has left a perfect seed bed to sow clover or grass seed. Brown Bermuda lawns can be skimmed in the fall with this tool with a fraction of the labor necessary by any other method. Many lawns burn out in spots because the heavy soil has become impervious. Occasional use of the Bermuda Rake will so loosen the soil it will again take water. Price each \$5.00.

WIRE LAWN RAKES



Heavily tinned steel teeth. The arched teeth for leaves and litter and the opposite side for fine cut grass.
 20 tooth, 90c 36 tooth, \$1.55 46 tooth, \$1.25

PRUNING SAWS



Bishop's Crescent—Extra cast steel blade, beech handle, three brass screws.
 12-inch.....\$1.15
 14-inch.....1.25
 Bishop Crescent, folding handle.....1.25

GRASS SHEARS



Village Blacksmith, very best made. 12 in. in length, 6-in. blades from 75c to \$1.35

HEDGE SHEARS



No. 1007—Polished steel laid blades, 5 1/2-in. cut, brass ferrule, steel bolt and nut, maple handles.
 5 1/2-inch.....\$1.45 9-inch.....\$2.25
 8-inch.....2.10 10-inch.....2.65

BUDDING AND PRUNING KNIVES



Various makes, ranging from 75c to \$2.50 each.

PRUNING SHEARS



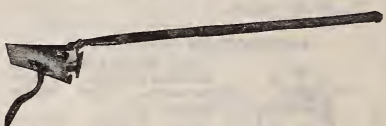
We carry all kinds and sizes, ranging from \$1.35 to \$5.00 each. Ladies size, nickel plated. Each...\$2.25

SEGMENT CORN PLANTER



Automatic slide type. Can be used also for planting beans. Pumpkin seeds may also be planted by operator dropping seed into hole in spout. A popular planter that has been well introduced and has given universally good satisfaction. Weight, 5 lbs. Each.....\$2.00

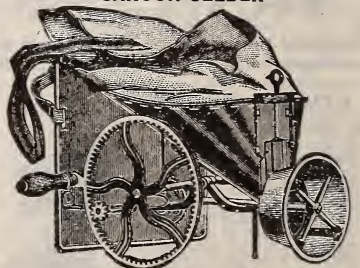
HAND POTATO PLANTER



The Original Hand Potato Planter and the Most Popular One on the Market Today

The jaws or blades are formed from bright steel especially rolled for this work, the two blades are joined, plants in any sort of soil, sod, new ground or stony land.
 Each.....\$1.75

CAHOON SEEDER



Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet each side of the operator); lighter seeds, of course, will not be thrown so far. Weight 8 pounds.
 Price.....\$6.00

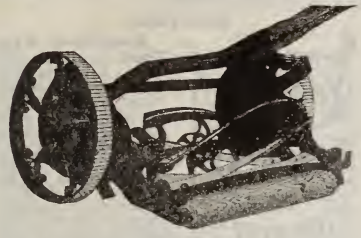
MASTER'S PLANT SETTER

Is 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. It does perfect work and every plant will grow.
 Each.....\$6.25



PENNSYLVANIA LAWN MOWERS

PENNSYLVANIA JUNIOR, BALL BEARING



The Pennsylvania Jr. is the most perfect grass cutter in the world. Its self-sharpening features alone will make it worth its cost to the user, as it will save this expense until the blades are worn out—in average use a dozen years or more.

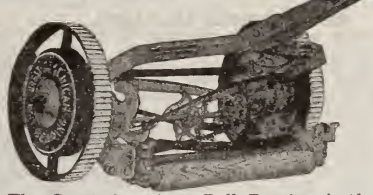
High Wheel

10-in. wheels. 6-in., five-blade cylinder.
Width of cut, in. 15 17 19 21
Price, each. \$31.00 \$36.00 \$40.00 \$45.00

Low Wheel

8-in. wheels. 5½-in., five-blade cylinder.
Width of cut, in. 12 14 16 18
Price, each. \$20.00 \$22.00 \$26.00 \$29.00

GREAT AMERICAN BALL BEARING

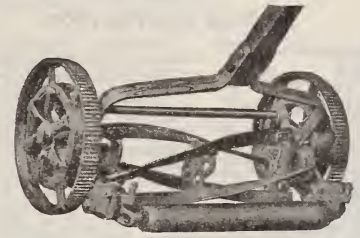


The Great American Ball Bearing is the best all-around mower of its type in the world. The perfectly-fitting ball cups and cones insure an easy running machine.

High Wheel

10-in. wheels. 6-in., five-blade cylinder.
Width of cut, ins. 15 17 19 21
Weight, boxed, lbs. 65 67 71 76
Price, each. \$23.50 \$26.00 \$28.50

RED CLOUD BALL BEARING



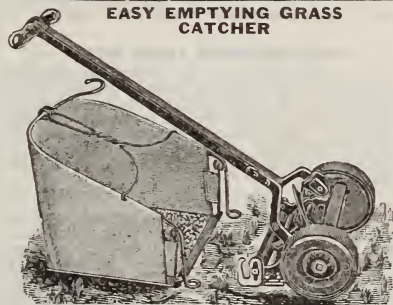
10-in. wheels. 5-in., four-blade cylinder.
Width of cut, ins. 14 16 18
Weight, boxed, including handle, lbs. 50 54 58
Price, each. \$16.00 \$17.00 \$18.00

BRAUN GRASS CATCHER

Canvas sides, galvanized bottom with extension to cover the roller of the mower and fit close to the lower knife. Supported by truss rods attached to handle braces. Instantly detached or can be emptied by dumping forward.

Sizes 10	12	14	15-16
Price, each.	\$3.00	\$3.25	\$3.50
Sizes 17-18	19	21	25
Price, each.	\$3.50	\$3.75	\$4.00

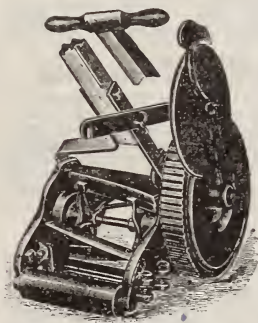
EASY EMPTYING GRASS CATCHER



The "Easy Emptying" Grass Catchers are made very light for convenience in carrying on the mower, and, at the same time, strong and rigid. Every feature of their construction is the result of careful study.

Style	Bottom Size Mower	Wt.	Price
No. 10G Galv.	12 to 13"	5 lbs.	\$1 75
No. 12G Galv.	16 to 21"	5 lbs.	2 00

CAPITOL LAWN EDGER



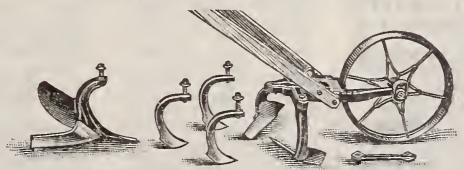
Has four spiral blades forged from crucible steel, oil tempered and ground stationary knife bar, easy adjustment, single drive wheel 8½ inches in diameter, revolving cutter 5 in., fitted with shield over cutters protecting the flowers, trims and edges lawn perfectly. Each. . . \$12.00

"PLANET JR." FARM AND GARDEN TOOLS



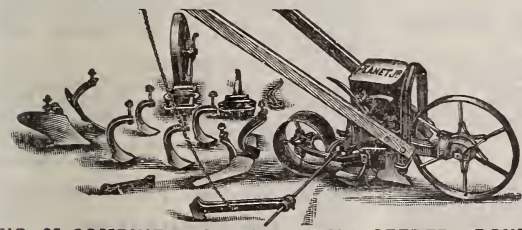
NO. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE CULTIVATOR AND PLOW

This is the most popular combined tool made. It combines in a single implement, a first-class hill-dropping seeder, a single wheel hoe or weeder, a cultivator and a plow. As a wheel hoe it is identical with the "Planet Jr." No. 17 Single Wheel Hoe, the very best machine on the market. Price complete \$22.50. As seeder only \$18.00.



NO. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW

For easy gardening, and at the same time clean and perfect gardening, nothing is quite the equal of this No. 17 Wheel Hoe. It is suited to all kinds of garden cultivation and all garden crops. The No. 17 has a pair of 6 inch hoes, a plow, and a set of cultivator teeth, an outfit sufficient for most garden work. Price, \$10.50. No. 16, with a pair of rake and leaf-lifters in addition to the above equipment. Price, \$12.00. No. 17½, with hoes, cultivator teeth and leaf-lifter. Price, \$8.75. No. 18, with hoes only. Price \$7.50. The above have high wheels.



NO. 25 COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

This combined machine is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and prefer not to buy separate machines. As a wheel hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the very best machine on the market. Price \$25.50.



NO. 3 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE

This machine is the most complete tool for heavy work. It has a large hopper box the most improved index. The method of dropping the seed is the latest. The operator can see the seed drop at all times. Price, as a drill only, \$21.00.

FOODS FOR POULTRY

PLEASE WRITE FOR PRICES ON FEEDS OF ALL KINDS — SEND FOR FREE LITERATURE

PREMIUM SCRATCH FOOD



Premium Scratch Food is an ideal grain mixture making a balanced ration. The ingredients are correctly balanced so as to meet conditions extending throughout the entire year, including the laying period, moulting period, etc. It affords a wide variety of wholesome ingredients, being made up of different grains, sunflower seed, bone, etc. It meets the requirements of the fowl and insures a liberal egg production. A good scratch feed insures one of always feeding correct rations. Prices on application.

TOP NOTCH or No. 2 Scratch Food, containing shell and grit. Excellent for those wanting a cheaper scratch food. Prices on application.

GERMAIN'S PREMIUM DEVELOPING FOOD

is an important factor to the poultryman. When the chicks are from six to eight weeks old they require a well balanced grain food. All the ingredients of Germain's Premium Developing Food have been carefully selected as regards size, adapt ability, etc. It insures a natural, even growth with uniform feathering. Write for prices.

GERMAIN'S PREMIUM PIGEON FOOD



The organism of squabs or pigeons is extremely delicate, and in feeding must be catered to as such. For success in the raising of these birds all efforts should be directed toward increasing the weight. This requires the selection of proper ingredients, each capable of upbuilding certain tissues and muscles, also promoting a healthy and rapid growth. In Germain's Premium Pigeon Food will be found ingredients of high protein content, such as Canadian Field Peas, or Soy Beans, Buckwheat, Vetches, Hemp Seed, Red Wheat, Kaffir Corn, Millet, and a number of other sound grains, all chosen because they are known to meet the needs of the pigeon. Write for prices.

GERMAIN'S PREMIUM HEALTH GRIT

The demands of the pigeon's organism exact certain ingredients which might not wholly agree with other fowls. Therefore Germain's Premium Health Grit (for pigeons) has been especially compounded and contains such foods as charcoal, salt, iron, grit, etc. It contains everything that the pigeon needs. If you are raising pigeons either fancy or for market, you cannot afford to neglect giving them Germain's Premium Health Grit. Write for prices.

GERMAIN'S CLUB PIGEON MIXTURE

Our Club Pigeon Mixture is made up according to a formula given us by the members of the Los Angeles Pigeon Club. This mixture is similar to our Premium Pigeon Food, only does not contain wheat.

BLATCHFORD'S MILK MASH. No more bowel trouble, leg weakness or white diarrhea. Try a bag of this complete milk substitute, which nourishes all kinds of young poultry the same as pure whole milk, at half the cost. Five pounds will raise a chick to the age of three months. Write for prices.

BLATCHFORD'S CALF MEAL. Just the thing to raise or veal your calves right from birth. Then sell your milk and get the benefit of the high creamery prices. **No more scouring calves!** It is absolutely the only milk substitute containing all the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for digestion. Being the original and best, it will push your calves forward better and quicker than any other food. Sold in 100- and 25-lb. bags. **100 pounds make 100 gallons of Complete Milk Substitute.**

BLATCHFORD'S PIG MEAL

Wean your little pigs easily, safely and cheaply on **Blatchford's Pig Meal**. From **Pig-hood to Pork-age** it gives big bone and solid flesh. Prevents loss of growth and vitality during the critical weaning period, and always **makes the runts catch up.**

BLATCHFORD'S LAMB MEAL

For baby lambs; it is a complete equal for the ewe's milk—a steam cooked milk substitute. Because of their tender digestive organs, baby lambs always require a careful weaning. Blatchford's Lamb Meal is an ideal ration as it matures them quickly and prevents scours and set-backs. **Sold in 100-lb. bags.**

BLATCHFORD'S RABBIT MEAL. There are many different ways of feeding rabbits, but when it is all summed up, the proper food for them is Blatchford's rabbit meal which is a preparation of properly balanced ingredients to insure the rabbit perfect health, rapid growth and plumb flesh. It is not only good for the meat-producing varieties, but for the fur-bearing sorts as well.

SPRATT'S COOKED POULTRY AND GAME FOODS

Spratt's Poultry Food, No. 3 (for grown birds). A cooked food, baked and granulated. As an egg producer and conditioner of Show Birds this food has no equal. Used by breeders of high-grade poultry the world over. It is no exaggeration to say that a majority of the prize-winning birds at leading shows have been conditioned on it. See directions for mixing below.

Prices—100-pound bags, **\$12.75**; 50-pound bags, **\$6.55**; 25-pound bags, **\$3.40**; 10-pound, **\$1.40**; cartons, **40c.**

Spratt's Chick Meals, No. 5 and No. 12. (For the little chicks). These foods are composed of cereals, meat, vegetables and other nourishing ingredients essential to young chicks. By starting your chicks on Chick Meal you thereby reduce mortality among them to a minimum. Used and recommended very highly by leading poultry fanciers. Prices—100-pound bags, **\$12.75**; 50-pound bags, **\$6.55**; 25-pound bags, **\$3.40**; 10-pound bags, **\$1.40**; cartons **40c.**

DIRECTIONS FOR MIXING SPRATT'S COOKED FOODS

Take four parts food to three parts hot water or milk. Mix well, and let stand until cold. Sprinkle over a little Spratt's Crissel and it is ready to feed. Feed cold always. The food, when ready for feeding, should be **crumbly moist**. Neither too wet nor too dry.

SPRATT'S CRISSEL

(Best meat). This preparation is very rich in protein and is a substitute for insect life and ant's eggs. It is used by many successful breeders of pheasants and poultry because of its quality and can be used in connection with Spratt's various poultry foods and pheasant meals by sprinkling a quantity of it over the food after it is mixed.

Prices, 100-lb. bags, **\$10.30**; 50-lb. bags, **\$5.25**; 25-lb. bags, **\$2.70.**

EGG FOOD



Coulson's Egg Food is manufactured in Petaluma, Cal., where there are more chickens than in any other equal area in the world. It is the best and only successful balanced ration for Dry Hopper Feeding; is best when kept before the fowls dry in the hopper all the time. It may also be fed wet as a morning mash, whether for Chickens, Pullets

Hens, Cockerels, Capons, Ducks, yurkeys or Geese. All the ingredients it contains are of the best, and it is therefore especially valuable as a food for breeding fowls and ducks. Prices on application.

SPECIAL CHICK FOOD

Coulson's Special Chick Food contains the ingredients that are best adapted to give nourishment to the growing chicks. Sweet, tender seeds, cracked grains, blown free from dust, cut oat meal, tiny pieces of cooked and dried meat, fine particles of fresh cut bone, charcoal, burnt bone, etc. Write for prices.

GROWING CHICK FOOD



Coulson's Growing Chick Food is a balanced ration of cracked grains, seeds, milk feeds, meat and bone meals, carefully mixed according to a formula which has been compiled only after much experimenting.

It contains everything that a young chick requires up to three months old. Write for prices.

COULSON'S TURKEY FOOD

Turkeys are one of the most delicate varieties of fowls, and consequently their food has to be very carefully prepared in order to insure the best results and carry them over their most delicate period. **Coulson's Turkey Food** is made from a formula which is proven. It has stood the test for many years and is extensively used in the Imperial Valley where most of the California turkeys are raised and where the finest turkeys for the high-class trade are produced.

BABY CHICK MASH

This is a buttermilk mash especially adapted to baby chicks from the time they are hatched until they attain an age of about six weeks. The tender foods used in its manufacture are combined scientifically to supply every need of the baby chicks. Write for prices.

STOCK SALT

Take either rock salt, or a salt lick and put it in a box or keg anywhere in the feed lot or shed where every animal can help itself, but where rain and weather won't waste it. Just see that a quantity of salt is where the stock can reach it any time; and then think no more about it.

Dairy Salt, 50-lb. bags, **\$1.75** per 100 lbs.

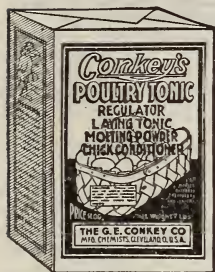
LESLIE'S SALT LICKS

This popular Salt is furnished in two ways, the plain brick, weighing 5 pounds, for the manger, and the wire loop for hanging. Indispensable for stock.

Plain Bricks, **\$0.25** each
Wire Bricks, **.30** each

POULTRY AND STOCK REMEDIES

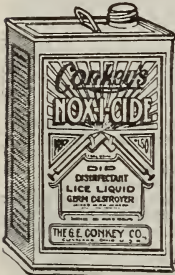
GUARANTEE—Each of these remedies is guaranteed. Should they fail to please the purchaser for any reason whatever, his money will be returned without a question.



Conkey's Poultry Tonic. This remedy makes hens lay without harming them. It is not a food in itself, and you escape paying for bran and middlings, which comprise the bulk of inferior egg-producers and which you can supply for less money from your own bins. 1½ pounds 25 cents. 3¼ pounds 50 cents. 12 pound pail \$1.60.

25-pound pail, \$3.00. Expressage extra.

Conkey's Lice Liquid. There is no powder made which will entirely rid you of the mite. Conkey's Lice Liquid can be painted on the roosts and applied to cracks and crevices, with a brush, full strength. Then mix 1 part Conkey's Lice Liquid with 25 to 50 parts of water and spray the whole house thoroughly. Repeat in 1 week to 10 days. It is an economical and efficient disinfectant and germ destroyer. 1 quart 60 cents; 2 quarts 90 cents; 1 gallon \$1.50; 5 gallons \$7.00; expressage extra.



Conkey's Nox-I-Cide. It kills the germs which are responsible for most diseases, cleans and purifies, removes odors, prevents flies from breeding, promotes the health and comfort of your fowls and animals. Mixed with water, 1 gallon Nox-i-cide makes 101 gallons good disinfectant. Good for scores of uses around the poultry yard, barn and household. Prices, pints 45 cents; quarts 70 cents; ½ gallon \$1.15; gallon \$1.80; express extra.



CONKEY'S ROUP REMEDY

This is the best known remedy for Roup. Every civilized country of the world knows and uses it as the one reliable means of curing Roup when given in anything like reasonable time. It is a cure, a tonic and a preventive. It kills the germ, purifies the blood and tones up the general health of your stock. Nothing made that is so dependable and promptly effective. Price 25 cents, 50 cents and \$1.00.

Special—Conkey's 50 cent Poultry Book, 80 pages, sent in other food. Postpaid upon receipt of 10 cents to cover postage.

Cholera Remedy. This preparation is entirely different from anything else ever put out, and can be absolutely relied upon as the most dependable Cholera Remedy made. For the treatment of Cholera, Indigestion, Bowel Trouble, Diarrhoea and all kindred troubles in chicks or grown fowls this remedy is excellent. Use it in the drinking water. It is a common-sense insurance against a great variety of troubles known to poultrymen and should be kept on hand at all times. Price 25 and 50 cents.



Conkey's Lice Powder. The strongest and most effective Lice Powder for body lice ever made. It doesn't scare, stun or drive the lice away—it kills them on the spot. Lice simply cannot live where Conkey's Lice Powder is properly used. Try it today and free your fowls from these parasites. Prices 5 ounce package 10 cents; 15 ounces 25 cents; 48 ounces 50 cents. Express extra.

POULTRY REMEDIES AND SPECIALTIES

Canker and Bronchitis Remedy	.....	\$0.50
Lice Fix	.....	\$0.25 and .50
Black Head Remedy	.....	.50
Head Lice Ointment	.....	.10 and .25
White Diarrhoea Tablets	.....	.25 and .50
Poultry Worm Remedy	.....	.25 and .50
Flea Salve	.....	.25

Chicken Pox (Sorehead)	.....	.25 and .50
Poultry Conditioner	.....	.25 and .50
Roup Pills	.....	.30 and .60
Conkey's Gape Remedy	.....	.25 and .50
Conkey's Limber Neck Remedy	.....	.50
Conkey's Scaly Leg Remedy	.....	.25
Conkey's Poultry Laxative	.....	.25 and .50

Conkey's Fly Knocker. It kills every fly it hits and stops others from annoying your cows and horses. It rids your stock of pests and promotes comfort, health and usefulness. Positively harmless and will not taint the milk; of greatest value to dairymen, horse-men, horseshoers, etc. The best article on the market today and absolutely guaranteed to satisfy you or money cheerfully refunded. One ounce sufficient. Give it a trial and it will save you money. To spray two animals. Prices, 1 quart 60 cents; 2 quarts 90 cents; 1 gallon \$1.50, 5 gallons \$7.25.



Conkey's Stock Tonic. Even veterinarians say that Conkey's Stock Tonic is one of the best regulators they have ever seen—which is some recommendation—but better than any recommendation is the fact that Conkey's Stock Tonic is made right. It contains no filler and is so balanced that its ingredients cannot harm the sensitive organs. If any of your animals are hide-bound, listless,



or in a run-down condition give them Conkey's Stock Tonic; also use it as a regulator for all your animals by giving it to them in the food once a week. Packages, 25 cents, 50 cents; pails \$2.10, and \$3.45; Express extra.

LEE'S EGG MAKER

Lee's Egg Maker is largely meat food, granulated blood with tonic condiments. Largely used on big poultry ranches, especially California. The best and cheapest egg food in the world. Highly concentrated. To be fed mixed 7 per cent in other food. Sizes 50c, \$1, \$4.50, \$16.00.



EGG-O-HATCH

Egg-O-Hatch is a new preparation for applying to eggs during incubation. Supplies oxygen and absorbs carbonic acid gas. Strengthens the chick and weakens the shell. One size only, 50c. Enough for 600 eggs.

EGG-O-LATUM

Egg-O-Latum is a new and valuable egg preserver. An antiseptic wax. Rubbed on eggs it keeps them fresh from spring and summer to following winter. Easy to fix a dozen a minute. Simply laid away in cool cellar. 50c per jar. Enough for 600 eggs.

GERMOZONE

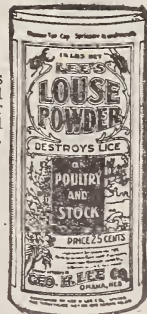
Germozone is the most popular medicine for poultry and pet stock and the most generally effective. For roup, colds, canker, chicken-pox, sore head, skin disease, bowel trouble, sores, wounds. 40c, 75c and \$1.50.

GERMOZONE TABLETS

Germozone Tablets—This is the same as the liquid, only in a more convenient form. When dissolved in water they act the same way as the Germozone liquid. In three sizes, 25c, 75c and \$1.50.

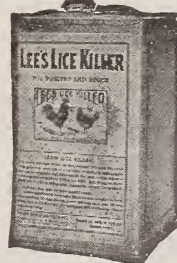
LEE'S LOUSE POWDER

Lee's Louse Powder is big value in both size and quality. 1¼-lb. pkg. for 30c, 3-lb, 60c. Round sprinkler top cartons. Very effective.



LEE'S LICE KILLER

Lee's Lice Killer has been for twenty years the poultryman's standby in keeping chickens and poultry house free from lice, mites and scaly-leg. A liquid, simply painted on roosts. Sizes, 65c, \$1.00 and \$1.50.



LEE'S WHITE DIARRHOEA REMEDY

This is a good medicine for any form of bowel complaint in chicks or fowls and for the dreaded white diarrhoea is the only really satisfactory treatment that has come to our notice. In 25c and 50c sizes.

REMEDIES AND DISINFECTANTS

BARNES' CHICKEN REMEDIES

In offering this line of **Chicken Remedies** to the public, we do so with the satisfaction that you will reap the benefit of assiduous laboratory work of clinical investigation and research.

BARNES' CHICKEN-POX

Frequently chicken-pox is called roup, but there is a difference, in that the bird may have roup and not show the eruption at all, but we have found that most of the so-called roup was chicken-pox.

Barnes' Chicken-Pox Tablet dissolved in the drinking water will greatly alleviate the suffering, and if taken in time will control this disease, and in many cases this remedy has prevented the infection of the disease when given as a preventive. The directions in full on the label. In **35c** and **50c** sizes.

BARNES' COOTIE PASTE

One application, an amount the size of a pea, spread around the vent will kill the lice. One application every six months will keep the fowl free from vermin. In **25c** and **50c** sizes.

BARNES' ROUP EMBROCATION

A local application for Roup, Colds, Swelled Heads, Chicken-Pox, Canker, Sore Eyes, Pink Toes, Scaly Legs. Very effective. In **50c** size.

BARNES' WHITE DIARRHEA Occidosis

Diarrhea The Deadly Foe of Fowls
At a cost of from one-half to two cents per dozen Chicks, you may save from 95 to 100 per cent of your hatch from bowel troubles by commencing as soon as hatched to give a small amount in first water, given as directed. Even after the attack 80 to 90 per cent recover, if given treatment at once. This remedy positively cures all forms of Diarrhea and Cholera in adult birds as well as in chicks. In **25c** and **50c** sizes.

BARNES' WORM EMULSION

The question has been asked, "Can a remedy be made that will dissolve the worms in the intestinal tract of the chicken without harm to the mucous membrane?" We unhesitatingly say "NO," but, **Barnes' Worm Emulsion**, in conjunction with the juices in the digestive tract, will just as readily seize upon and digest—the worms when killed by our **Emulsion**—as they would any other meat that is fed to them, as the worms are only meat; and our **Emulsion** kills the ova or eggs of the worm as well as the worm.

Barnes' Worm Emulsion is prompt and thoroughly efficient, highly antiseptic and germicidal. Pints, **\$1.00**; quarts, **\$1.50**; gallons, **\$3.00**.

BARNES' COLD AND ROUP REMEDY

This is a very deceiving disease, as it seems at first a very simple affection; if, however, the disease is allowed to run, it will soon develop into a very destructive and malignant form of disease that will make havoc in the flock.

This simple form of cold is very common, and when it makes its appearance, will become troublesome, unless treated at once. In **35c** and **50c** sizes.

CHOLERINE

A Wonderful Tonic and the Guaranteed Specific for Chicken Pox, Roup, Cholera, Limber Neck, White Diarrhoea and Worms.

Cholerine—The universal conditioner for the poultryman. Your fowls fed **Cholerine** will keep healthy and produce more eggs during the season. The mortality will be much less and the fowls will go through the moult in far better shape.

Cholerine is not a stimulant, but produces stimulating results by enabling fowls to obtain full nutriment from food consumed. Prices: 6-oz. bottles, **35c**; pints, **65c**; gallons, **\$2.50**.

DEVIL'S DUST

The well known chicken lice killer, **30c**.

ARROW CARBOLINEUM

Formerly known as **Avenarius Carbolineum** The only Radical Vermicide and Remedy Against Chicken Lice, Mites and Other Vermin in the Poultry House

A single application of **Arrow Carbolineum**, however, will be sufficient to destroy and eradicate mites from a poultry house for a whole year or more. It kills every louse or mite it touches, it can be used with a brush or a sprayer and will readily penetrate all cracks and crevices and thus reach the mites at close quarters.

We guarantee that one thorough application of **Arrow Carbolineum**, either by brush or sprayer, to the interior walls of a hen-house or barn, after a previous cleaning, and no matter whether they consist of wood, tar paper or plastering, will exterminate the vermin in same for a whole year.

This means in old poultry houses already infested with vermin, of course "an ounce of prevention is worth a pound of cure," and therefore it is good policy to use **Arrow Carbolineum** in new houses as well.

Quarts, **85c**; gallons, **\$2.00**; 5 gallons, **\$9.00**

CRUDE CARBOLIC ACID

This well known disinfectant and germicide is extensively used in white-wash and also in crude oil and distillate for spraying poultry buildings and roosts.

It is also largely used undiluted as a preservative of timber. Before setting posts for poultry yards in the ground it is well to dip the ends in Crude Carbolic Acid, which insures them for an indennite period from rotting.

Prices, f. o. b. Los Angeles: Quart can **60c**, 1 gallon can, **\$1.25**, 5 gallon can **\$5.00**.



"OCULUM"

It is a scientific fact that the ovary of a hen contains eggs in the germ form far in excess of the number ever laid. The experts, by breeding, feeding and scientific mating, have produced an occasional hen that lays 200 eggs per year, but the average hen lays less than 75, not enough to pay for her keep.

"**Oculum**" users who had no faith in any Egg-producing compound, state that "**Oculum**" is the egg-farmer's only salvation.

Deadly white diarrhoea, cholera, gapes, roup and sore head positively and permanently cured and prevented by this new wonderful, effective remedy.

In **50c**, **\$1.00** and **\$2.00** sizes.

ZENOLEUM

Zenoleum is a most effective disinfectant and dip for poultry. Will rid poultry of lice and mites and is a specific against roup and white diarrhoea. **Zenoleum** should be used to wash out incubators before putting in eggs to hatch. A ten per cent solution will be found very satisfactory. **Zenoleum** is a concentrated tar product. It mixes with hot or cold water—and requires no boiling or stirring. It is a positive germicide. Can be used very successfully in barns as well as in poultry houses. **Zenoleum** is sold under a money-back guarantee. Price, 8 oz., **35c**; quart, **75c**; ½ gallon, **\$1.25**; gallon, **\$2.00**.

"WATCH IT GET 'EM"

"**Watch It Get 'EM**" a three in one chicken lice destroyer. It will kill head lice, mites and body lice. Easily applied. Just dust a little on the chickens as they roost at night and you will soon be rid of profit destroying pests in the form of lice, mites, etc. Price, **25c**; **50c** and **\$1.00**.

BUHACH

Buhach is an insect powder that will get rid of house flies, ants, bedbugs, fleas on dogs and cats, lice on chickens and rabbits. In fact it will drive out many insect pests. It is a necessity in every house, as it protects from loss and adds to the comfort and peace of the residents. In **25c** packages and **\$1.50** per lb.

PREMIUM INTESTINAL CLEANSER FOR POULTRY

Formula of A. M. Pollard, Former Extension Instructor in Poultry Husbandry at Delaware Agricultural College.

Intestinal worms are the cause of most of the diseases of poultry. This Cleanser does not expel the worms, but causes them to be digested, thereby retaining in the birds all of the elements previously taken from the birds. In expelling these worms all of the elements are lost.

Directions: Mix thoroughly one pint of the Cleanser to a 12-quart pail of any dry mash or bran; moisten with cold water.

This amount is sufficient to feed 300 grown fowls.

For Small Flocks, mix one heaped teaspoonful of the Cleanser to one quart of mash food for ten hens. Use cold water for mixing.

Feed this amount twice a week for three weeks, and then once a month thereafter. This positively will cleanse the intestinal tract of all kinds of worms and insure perfect health and more eggs.

Price, **35c** per lb.; 5 lbs. for **\$1.50**.

KOW-KARE

Kow-Kare is one of the most liberally advertised of cow remedies and through its splendid reputation, gained by giving satisfaction for over a quarter century, it is an item that moves with a minimum of effort.

Kow-Kare has positive medicinal qualities that act upon the organs of production and reproduction, making them function properly. It is widely used as a preventive of disease, and is especially effective in removing such ailments as Scouring, Lost Appetite, Bunches or Red Water. For the treatment of Abortion, Barrenness, Retained Afterbirth or Milk Fever it has no equal. It's use upon "poor milkers" will usually increase the milk flow from 10 to 20 per cent.

Price, **70c** and **\$1.40**.

Be sure and send for Latest Edition of The Home Cow Doctor—FREE.

BAG BALM

A Great Healing Ointment

Bag Balm is a most effective remedy for chafed bags, cow pox, chapping, bunches, inflammation, chafing, extreme soreness and tenderness. It is invaluable in relieving any udder trouble. Also used for cuts and bruises. Fever spots are cooled and inflammation is allayed almost immediately. It keeps little hurts from getting big and is a great aid around the calving period.

Price, **65c** per package.

AMERICAN HORSE TONIC

We recommend **American Horse Tonic** as a general improver for horses. Hundreds of users tell us that horses look better, feel better, act livelier, are full of snap and ginger when they are given it. Besides this, we recommend it as a worm expeller, for lost appetite, rough hair, coughs, inflammation of lungs and bowels, stoppage of water, recent founders, distemper, etc.

Price, **70c** per box.

HORSE COMFORT

We recommend **Horse Comfort** for all flesh wounds, wire cuts, galls and sores of long standing, for blood poison, proud flesh, scratches, mud fever, for snag wounds, sore shoulders, grease heel, malignant ulcers, fistula, poll evil, corns in horses, etc. We claim that **Horse Comfort** has won the right to the name—"The World's Greatest Healer." Price, **35c** and **65c** per bottle.

GRANGE GARGET CURE

We recommend **Grange Garget Cure** for that serious disorder so peculiar to cows, garget, or the hardening of the udder. Inexperienced people often mistake it for caked bag, bunches in bag, etc. Remember it is a separate disease, with its own peculiarities, causes and remedy. Twenty-five years use by dairymen and farmers, proves the economy and value of using **Grange Garget Cure**. Price, **70c** per can (enough for 15 cases.)

CARBOLA—The Disinfecting Germ-Killing White Paint

Carbola saves time, money and labor—it paints and disinfects at one operation. It is a finely powdered mineral pigment combined with a germicide 20 times stronger than pure carbolic acid—but is neither poisonous nor caustic. Carbola makes everything clean, white and absolutely sanitary. It stays white and has no disagreeable odor. Use Carbola instead of whitewash on poultry houses (inside and out), dairies, outhouses, hog pens, etc. By disinfecting and painting at the same time Carbola reduces labor costs—the big expense item on the farm—and gives much better results than whitewash.

WILL NOT BLISTER, FLAKE OR PEEL OFF

Carbola can be put on with a brush or with a spraying machine. It will not blister, flake or peel off no matter how many coats are put on. Carbola can be applied to wood, brick, stone or cement, plaster board, tar paper, or over whitewash or oil paint surfaces.

Carbola is an efficient and economical aid to the dairyman. It keeps the stables clean and sanitary and kills fly eggs, prevents germs and disease from getting a start in the herd. Carbola can be sprinkled or sprayed onto cattle and brushed through the hair to kill lice. It can also be sprayed on the floor and in the manure drain. Used on the walls it will keep stables clean, sweet smelling and sanitary.

The most troublesome of all external parasites on poultry is the common chicken mite. Mites multiply very rapidly and often cause serious losses before their presence is discovered. They sometimes become so numerous they kill some of the flock, and their presence always reduces egg production, and affects young chickens so they fail to make a normal growth. Other times the mites are not so numerous as to injure the hen, but prove deadly to the little chicks.

Prices, sample pkg., 35c; 10-lb. pkg., \$1.50; 50-lb. pkg., \$5.00.



Keep Their Houses Clean

RABBIT REMEDIES

RAISE MORE RABBITS

The rabbit industry on the coast is progressing with leaps and bounds, but there is room for many times the present output. The successful breeders state it is the coming business to supply the markets with meat of the most nutritious kind, the profits are good, and the demand excellent for fryers, broilers and mature stock for breeding purposes. In addition there is a ready sale for the pelts if properly attended to after they are taken off the carcass.

Some breeds are very desirable for meat purposes, as the young ones grow rapidly to broiler and fryer stage with a maximum of flesh. Others are suitable for the pelts to use in the fur industry, on account of the hair having good staying power after the skin is cured.

SALT SPOOLS

Salt is as of vital importance to the Rabbit as it is to all other animals. **Salt Spools** are convenient form, which can be hung in the rabbit hutch. Price, 10c each.

BARNES RABBIT REMEDIES

Barnes Anti-Diarrhoea. Diarrhoea should be curbed as quickly as noticed. Not only does this disease incur unsanitary conditions but is disagreeable for those working about the animals. Treatment is simple and there is no reason why a remedy should not be given, especially when of reasonable price besides being extremely effective. Price, 35c, 50c and \$1.00.

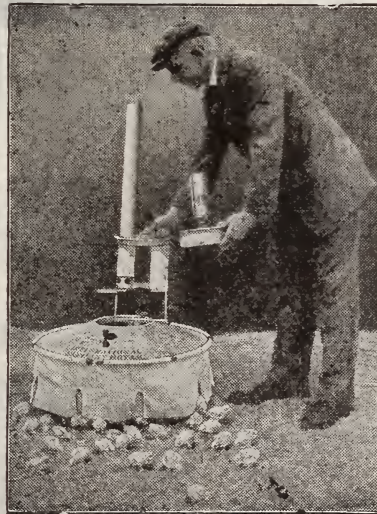
Barnes Anti-Slobber. Slobbers is a disease which has baffled many rabbit breeders and many remedies have proved ineffective. Barnes Anti-Slobber was used on advanced cases during its manufacture until a perfected remedy resulted. The disease is characterized by a constant flow of saliva from the mouth, wetting the fur on the chest, jaw and lower down on the legs. Prices, 35c, 50c and \$1.00.

Barnes Liver Tablets. This remedy is used in cases of diseased liver, constipation, pot belly, etc. When the rabbit appears lifeless and lacks energy it is doubtlessly caused directly from a disordered liver. Barnes Liver Tablets will relieve such conditions. Price, 50c.

- Barnes' Anti-Kanker Remedy 35c, 50c
- Barnes' Anti-Pot Belly 50c
- Barnes' Anti-Snuffle Remedy 35c, 50c
- Barnes' Cold Specific 35c, 50c
- Barnes' Digestive Remedy 25c, 50c
- Barnes' Hock-O-Line 25c
- Barnes' Protonic 35c, 50c
- Barnes' Reconstructive Remedy 50c
- Barnes' Tonic Powder 35c, 50c
- Barnes' Vent Ointment 50c

BROODERS AND ACCESSORIES

INTERNATIONAL SANITARY HOVER



The **International Sanitary Hovers** have stood every climatic test from Panama to Quebec. Practical poultrymen, state experiment stations, and poultry judges endorse it. You can raise chicks anywhere with **International Sanitary Hovers**. No specially constructed houses are necessary. There is no better place than in your regular hen houses. **Sanitary Hovers** are as practical for small back-yard poultry raiser as large poultry farms. They are warmest at the curtain—usable anywhere—ready for business wherever placed. No crowding or smothering of chicks, no kneeling in mud to get at the lamp, no cutting of holes or building of platforms. You want the best brooding device—you will get it in the **Sanitary Hovers**. Price, \$15.00 each.

NO. 30 BURNER

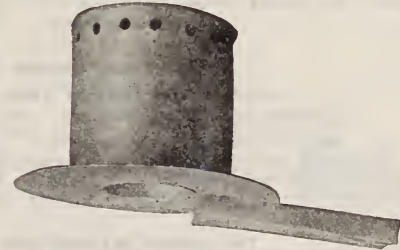
- No. 30 Burner, fits No. 3 (D) collar. Takes regular D wick Each \$1.00
- No. 35 Burner Each 0.75

WICKS

- Nos. 1, 2, or 3, each 5c

GERMAIN'S PERFECTION BROODER

A Fresh Hot Air Brooder



This Brooder is based on a new principle and is by far the most perfect Brooder on the market. On account of its ventilating system the chicks are always furnished with clean fresh air heated to the proper temperature before reaching the hover proper. By the same system the foul air is discharged continuously, thus always leaving the chicks in a clear atmosphere.

It can be used as either an indoor or outdoor Brooder. All parts are protected, so that rain cannot enter. On account of its construction the Brooder can be taken apart very easily so that cleaning is very simple. It is as nearly fireproof as is possible, all wood coming in contact with the drum being protected by asbestos. We strongly recommend it. Furnished complete with Lamp, Bowl, Chimney, Burner, Curtain and all necessary parts, having a 100-chick capacity.

- Price, \$40.00 each.
- Metal Parts only, complete \$10.00
- Blue Print, giving full instructions for construction, each 2.00

BELL LAMP CHIMNEYS

- No. 2—For No. 2 Burner, each \$0.50
- No. 3—For No. 3 Burner, each60

FLARING LAMP CHIMNEYS

- No. 1—For No. 1 Burner, each \$0.30
- No. 2—For No. 2 Burner, each35
- No. 3—For No. 3 Burner, each40

LAMP FOUNTS

- No. 2—6-inch Flat Top \$0.60
- No. 3—7-inch Flat Top75

- Pipe Elbows, each \$0.60
- Pipe Caps, each60
- Pipe, 3-inch diameter, each45
- Roof Slants, each60

QUEEN INCUBATORS

SEND FOR QUEEN INCUBATOR CATALOG

For fifteen years Queen Incubators have been regarded by poultrymen as the high-grade moderate-priced line of America. In the Queen, you have the very best incubator that could possibly be built.



THE BABY QUEEN

No. 1—85-Egg Capacity
Each, \$29.50

Floor space, including lamp, 23x28 inches.
Egg tray, 16½x18½ in.
Shipping weight 80 lbs.
Just the right size for those who keep only a few chickens, or for the fancier to use for small select hatches.



THE BEGINNER'S QUEEN

No. 2—135-Egg Capacity
Each, \$39.75

Floor space, including lamp, 28½x32 in.
Egg tray, 21x24 in.
Shipping weight, 95 lbs.
The size meets the requirements of the small poultry raiser and farmer, which explains its enormous sale. It only requires the output for a few days of a small flock of layers to fill it. A mighty good machine for raising a small flock.

FARMER'S FAVORITE QUEEN (But Thousands are Sold in Towns)

No. 3—180-Egg Capacity, Each, \$47.00

Floor space, including lamp.....30½x35½ inches
Egg tray.....24 x36 inches
Shipping weight.....105 pounds

Just a good average size, not too small for the larger poultry raiser, nor too big for the small one.

Write for Prices

THE "DUCK" QUEEN

No. 4—275-Egg Capacity, Each, \$61.00

Floor space, including lamp.....34½x45½ inches
Two egg trays.....16½x30 inches
Shipping weight.....142 pounds

So many of our customers are buying this size to use for hatching ducks, that we call it the "Duck" machine. However, it is just as good a chicken hatcher as a duck hatcher, and is used by many big poultrymen.

THE MONEY MAKING QUEEN

No. 5—400-Egg Capacity, Each, \$72.25

Floor space, including lamp.....34½x63 inches
Three egg trays.....16½x30 inches
Shipping weight.....183 pounds

For broiler farms and people who go in strong for chickens, this size is a general favorite. It produces big hatches of the right kind of chicks.

STYLE K QUEEN INCUBATORS

The Style K line of Incubators is not of the same high standard as our Queen line, in material nor workmanship, but they embody all the principles that have made the Queen line so successful and famous.

However, they are good substantial machines, built to sell at a lower price to people to whom price is an important consideration.

The regulator is the same as the Queen, except of lighter construction, and has a three-inch wafer.



No. 20—70-Egg Capacity
Each, \$17.75

All Copper Tanks and Heaters

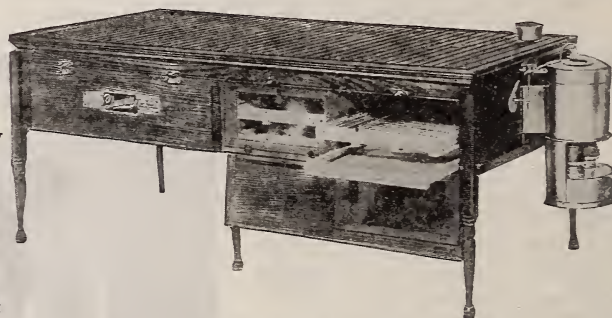
Floor space, including lamp, 23x28 inches.

Egg tray, 16½x18½ in.
Shipping weight, 46 lbs.

This little machine is a wonder for the money. It is not so thoroughly constructed, nor so completely equipped as the regular Queens, but it is made of California Redwood, has a copper heating system, and a special Queen Regulator. It will serve the need of those who want to get into the poultry business on a small scale economically.

No. 21—130-Egg Capacity, Each, \$29.50

No. 22—220-Egg Capacity, Each, \$39.50



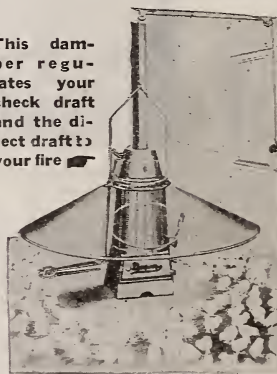
No. 25—600-Egg Capacity, Each, \$108.50

Floor space, including lamp.....34½x81 inches
Four egg trays.....16½x30 inches
Shipping weight.....248 pounds

QUEEN BROODERS

THE "QUEEN" IS THE ONLY BROODER STOVE WITH AUTOMATIC CONTROL OF BOTH CHECK AND DRAFT

This damper regulates your check draft and the direct draft to your fire



The "Queen" Colony Brooder is a new and improved design of Brooder Stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the "Queen". The check rests on top of the Stove and opens outward when fire is too warm, thus giving a gentle inflow of air to retard the heat.

While the opening of the draft to increase the fire is located at the top of the Stove, it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover. As will be seen from the illustration, the check and the draft lids are cast together and operate together. Thus, when the fire is too hot, the wafer expands and closes the draft and opens the check, both at the same time. When it is too cool, the wafer contracts and closes

the check and opens the draft. This keeps an even heat all the time, both night and day, in cold weather or warm, and does it automatically. You don't have to pay any attention to it whatsoever. Just set the regulator for the proper temperature at the start of the season—it will do the rest.

Gas-proof and Fire-proof. There is no possibility of gas escaping below the hover to harm the chicks, because all drafts are located above the hover and are so arranged that all gas and smoke must go out through the smoke pipe.

No. 1—600 Chick size.....\$23.50
No. 2—1200 Chick size.....26.50

GERMAIN'S PERFECT FEEDERS AND FOUNTAINS

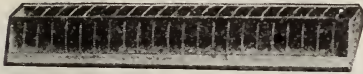
HEAVY GALVANIZED WARE

SINGLE CHICK FEEDERS



These Feeders are strongly constructed of galvanized iron and will not break or rust. The edges are rounded to prevent waste of food, yet make them easily cleaned. The wire front prevents the chicks from getting into the Feeder and ruining the food. We recommend these Feeders for the man who raises a few chicks in the back yard as well as for the commercial raiser. They will soon pay for themselves in the food they save. Prices—6-inch 20c, 12-inch 30c, 18-inch 45c, 24-inch 60c.

DOUBLE CHICK FEEDERS



These Feeders are especially efficient for use in small quarters or where a large number of chicks are kept, as they save room as well as labor. The edges are round to make cleaning easy. The wire fronts protect the food from chicks and also prevent waste of food. These Feeders are constructed of galvanized ware and are strong and durable and will not rust or break. They come in three sizes, 12-inch, 18-inch and 24-inch. The prices are: 50c, 65c, and 75c, respectively.

PERFECT CHICK FEED TROUGHS WITH TRIANGLE TOP



These troughs are very convenient for feeding very small chicks as they can feed on both sides of the trough. They are made of galvanized iron and are strong and durable. It is impossible for chicks to stand in feed tray as they are prevented from so doing by a shield. These troughs are in three sizes, 6-inch, 25c; 12-inch, 30c; 18-inch, 40c.

PERFECT RABBIT MANGER



These Mangers are constructed for feeding several rabbits at a time. Has wire divisions which prevents rabbits from contaminating food. Wire hooks are attached so Manger can be hung in hutch. Sanitary in every respect. Very convenient for quick feeding. Prices—6-inch 35c, 12-inch 40c, 18-inch 50c, 24-inch 60c.

SANITARY GRIT AND SHELL BOX



The use of this Grit and Shell Box will save all the grit, shell and charcoal that would ordinarily be scratched about, trampled upon and wasted, if fed from open dishes.

This Grit and Shell Box is stamped out of the best grade of galvanized iron. Cover is placed on a slant. Has three compartments for grit, oyster shell and charcoal. For small flocks will serve as a dry food hopper. Two-compartment size, 60c; three-compartment size, 51.10.

PERFECT WALL HOPPERS

This style of hopper is an exceptionally good seller because it prevents waste of feed and keeps it clean and free from dirt. Just enough is let down at a time to keep fresh food before birds all the time. They are made of galvanized iron and are therefore strong, durable, sanitary and easily cleaned. In two sizes, single and double. Price, Single \$1.50; two compartment, \$1.40.

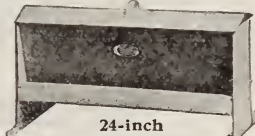


PERFECT DOUBLE DRY MASH HOPPER

Has double compartment thus feeding several fowls at a time. Is large at top and small at bottom, feeding poultry only as they consume the mash. A great convenience for those having fairly large flocks. Made of heavy galvanized iron and is filled from the top; capacity about four gallons. Heavy galvanized wire handle for carrying. Comes in one size only. Price, \$1.75

PERFECT DRY MASH HOPPERS

A real food-saving and labor-saving device, hand made out of heavy galvanized iron and having a double compartment. The Hopper has a sliding cover, which protects the feed at all times from filth and moisture and the trough is high enough to prevent the fowls from scattering and wasting their feed. It is made especially for feeding dry mash such as Coulsons Egg Food, etc. Strong and durable. Made in 3 sizes, 18-inch, \$2.25; 24-inch, \$2.75; and 30-inch, \$3.25 each.



PERFECT BABY CHICK FOUNT

Safety first. The chicks can not get into the water when this convenient fount is used. Very easy access for the chicks. This style founts for baby chicks is probably more widely used than any other. It will last a life time and we keep four different sizes so that we can suit any size flock. Don't take chances but protect those tiny chicks by using this modern fount. Price of Founts—1-quart, 40c; 2-quart, 50c; 4-quart, 75c; 6-quart, 85c.



PERFECT PIGEON WALL FOUNTS

These Founts are so constructed that the bird cannot get into water and foul it. They are easy to handle and more sanitary than the ordinary floor fountain. The flat back makes them easy to hang up. A galvanized hood extends over the water trough and protects the water from dirt and filth. Can be used for poultry or baby chicks, but is especially useful for pigeons. Price, 1/2 gal., 75c; 1 gal., \$1.00.



GERMAIN'S EGG TESTER



No. 3

For testing eggs for hatching; fits any ordinary size house lamp or the lamp furnished with the Cypher's and Queen Incubator. Price, No. 2, 45c ea.; No. 3, 50c each.



No. 2

NESTS



These Nests are made entirely of the very best of heavy galvanized iron. Very best of workmanship. All parts are double seamed, well riveted and all edges are wired with very heavy wire. Smoothly finished, no rough edges. Will last for generations. Metallic Nests are the only practical and sanitary method of nesting your poultry as metal nests are vermin proof. Lice or mites will not live in metal nests.

Single Compartment, each.....\$1.25
Two Compartments, each.....2.25
Three Compartments, each.....3.25

EXHIBITION COOP WATER CUP

These Feeders and Cups designed especially for use in exhibition coops, are also used in conditioning coops and cockerel pens. Made of galvanized iron. Price, pint, 35c.



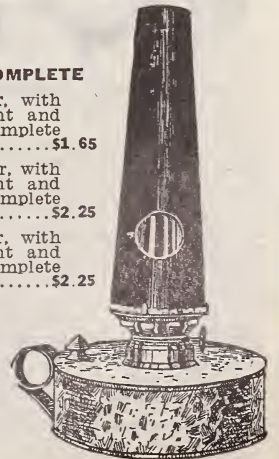
STAR CHICK FEEDER AND FOUNTAIN



Just the Fountain you have been looking for. It feeds water, grain, grit, oyster shells, etc., and is the most Sanitary Fountain on the market, having a glass reservoir which is easily cleaned, and you can always see just how much water it contains without taking hold of it, and is so simple any child can fill it. Any size Mason glass jar fits it. Price, 15c.

LAMPS COMPLETE

No. 2 Burner, with 6-inch Fount and Chimney, complete Price each.....\$1.65
No. 3 Burner, with 7-inch Fount and Chimney, complete Price each.....\$2.25
No. 3 Burner, with 8-inch Fount and Chimney, complete Price each.....\$2.25



FEEDERS AND FOUNTAINS—ACCESSORIES

SPECIAL RABBIT JARS

Special Rabbit Jars are made with a flanged edge which prevents the rabbit from wasting its food. These Jars or Crocks are equally as handy in poultry yards. Being easily cleaned there is no chance for unsanitary conditions. Of heavy stoneware and so constructed as to keep right side up. They are especially good to feed rolled Barley, Bran, Oats, etc., in.

- No. 1—20c each.....\$2.25 per dozen
- No. 2—25c each..... 2.75 per dozen
- No. 3—30c each..... 3.25 per dozen
- No. 4—40c each..... 4.25 per dozen

OPEN CROCKS FOR RABBITS AND POULTRY

These Open Crock or low butterjars are very convenient about the rabbit pens. A crock is absolutely sanitary and easy to keep bright and clean. We have several sizes and can promptly take care of your needs. Made of stoneware, glazed on both sides. Excellent for watering rabbits or poultry.

- Prices: Pints, 15c; 1 quart, 20c; 2 quarts, 30c; 1 gallon, 40c each.

SANITARY STONE CHICKEN FEEDERS

Just the thing for use in chicken pens. They can be kept nice and clean all the time and serve for feeding practically anything; perfectly sanitary. No chance for insect pests. Low and easy for the chickens to eat from and hard for them to tip over. Made of heavy stoneware so that where a little care is exercised they will last indefinitely. Come in two sizes. Prices: ½ gallon, 30c each; 1 gallon, 40c each.

SANITARY POULTRY FOUNTAIN

These are made of a heavy glazed stoneware, strong and durable. They are popular with poultrymen because they keep the water cool and refreshing, can not in any case be upset by the fowl and are easy to keep perfectly clean.

- Prices: 1 quart, 40c; 2 quart, 50c; 4 quart, 65c.



HAWES AUTOMATIC WATER VALVE For Watering Poultry and Small Stock



Place a galvanized iron tank on outside of poultry house high enough above ground to prevent fowls from scratching dirt into it. Place slats in front of it just far enough apart so birds can stick their heads thru. Attach a Hawes Automatic Water Valve to pipe at one end—and your watering problems are solved for all time to come. A wire screen will prevent roosting on tank and do away with necessity of frequent cleaning. Price each \$1.00.

BEYOU CAPON SETS

Especially designed to simplify the operation of caponizing, so that the beginner can easily master it. We recommend it as the best low-priced set in popular use. Full printed directions with each set.

- Price—In substantial wood cases... \$4.50
- Caponizing Set complete with Bow... 5.50

ANDERSON EGG BOXES

Anderson Egg Boxes for shipping eggs for hatching. The Anderson Egg Box is made of strong corrugated paper, is light in weight and easily adjusted. Eggs can be shipped safely for thousands of miles in the Anderson box. Comes in the following sizes:

- 12 egg size for duck eggs... 40c; \$4.00 per doz.
- 15 egg size for hen eggs... 30c; 3.00 per doz.
- 30 egg size for hen eggs... 40c; 4.00 per doz.
- 50 egg size for hen eggs... 60c; 6.00 per doz.
- 100 egg size for hen eggs... 1.00; 10.00 per doz.
- 12 egg size for turkey eggs 40c; 4.00 per doz.

HUMPTY DUMPTY EGG CARRIER

Has been for years the most popular Egg Carrier on the market. It is the most convenient and cheapest obtainable; holds 12 dozen eggs, uses the same cardboard fillers as the ordinary egg cases, can be folded into very small space; weight 6 pounds. Price, complete with Fillers, 95c

MARKET EGG CARTONS



Suwance 2x6 dozen egg size cartons are made of heavy cardboard, strong and compact. Blue inside, blue filler and printed "Selected Eggs." Price, 12 for 40c; 25 for 75c;

- 50 for \$1.25; 100 for \$2.00; 1000 for \$19.00.
- Ideal Egg Carton, 3x4, holds one doz. eggs. A very strong and convenient carton at a cheap price. 12 for 40c; 100 for \$2.00; 1000 for \$19.00.

CHICK BOXES FOR SHIPPING BABY CHICKS

Our Baby Chick Shipping Box, like the egg boxes, are made of strong corrugated paper conveniently arranged in compartments to hold 25 chicks and come in from one to four compartments to hold 25, 50 and 100 chicks. Prices, 25 chick size, 40c; \$4.00 per dozen.; 50 chick size, 50c; \$5.00 per dozen; 100 chick size, 75c, \$7.50 per dozen.

SHIPPING COOPS FOR FINE POULTRY Light in Weight, Roomy, Strong and Durable

No. 2, 12 inches wide, 18 inches long, 22 inches high; is suitable for single birds of any variety or a pair of Mediterraneans. Weight 10 pounds.

No. 4, 12 inches wide, 24 inches long, 24 inches high; is suitable for Asiatic male, American or Mediterranean pair, or small Mediterranean trio. Weight 12 pounds.

No. 6, 20 inches wide, 24 inches long, 24 inches high; is for pens of five birds of any variety. Weight 16 pounds.

- Prices—No. 2, \$1.00 each; No. 4, \$1.25 each; No. 6, \$1.50 each.

NEST EGGS

The Common China Glass Egg, indispensable for the chicken yard. 2 for 15c; 60c per dozen.

NEST EGGS—MEDICATED

Used the same as any other nest egg, but far superior, as it serves as a nest egg and a disinfectant also. Easy to apply and always at work. Almost an exact imitation of the real hen egg. 10c each; \$1.00 per dozen.

GILT EDGE EGG SCALE



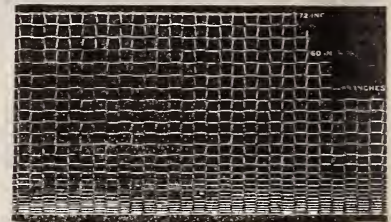
Success of California producers has been the result of careful standardizing of their products. So it is with the egg producers; those who are making a success are those who are grading their eggs and selling them according to their weight value.

The Gilt Edge Egg Scale is the only Egg Scale made that will give you a correct grading within a range of weights from 17 to 30 ounces to the dozen. Price, \$2.00.

THE CONRAD SAFETY GATE LATCH

Was designed especially for the needs of the poultry man. It is just the thing to keep the gates to your poultry pens securely latched, thus saving time and trouble when feeding or doing other work. (See accompanying picture). It is well made of non-rusting materials; is easily attached and easy to operate. You do not have to stop to latch gates and you can unlatch them with both hands full. Price, 40c each.

IMPERIAL GRADUATED POULTRY AND RABBIT FENCE



The Imperial Poultry Fence is the strongest, handsomest, most durable and most sensible Poultry Fence now on the market. Made of No. 18 wire, No. 14 margins. This Fencing will turn the smallest chicken or anything else which happens to come in contact with it. Rolls 165 feet or 10 rods long.

	Per Roll
3 ft. high Graduating Mesh.....	\$5.90
4 ft. high Graduating Mesh.....	6.60
5 ft. high Graduating Mesh.....	7.60
6 ft. high Graduating Mesh.....	8.50

JERSEY POULTRY FENCING

It is galvanized after weaving, so it will not crack and rust at the twists. It is made of full-gauge, hard drawn steel wire, having great tensile strength, and heavily galvanized, insuring maximum length of life.

	150 ft. Roll
1 ft., 2-inch mesh.....	\$2.15
1 ½ ft., 2-inch mesh.....	3.10
2 ft., 2-inch mesh.....	3.95
3 ft., 2-inch mesh.....	5.35
4 ft., 2-inch mesh.....	7.15
5 ft., 2-inch mesh.....	8.95
6 ft., 2-inch mesh.....	10.70
1 ft., 1-inch mesh.....	4.95
1 ½ ft., 1-inch mesh.....	7.15
2 ft., 1-inch mesh.....	9.10
3 ft., 1-inch mesh.....	12.40
4 ft., 1-inch mesh.....	16.50
5 ft., 1-inch mesh.....	20.65
6 ft., 1-inch mesh.....	24.75

WIRE STAPLES

For tacking fencing. Per pound, 20c.

POULTRY ACCESSORIES—THERMOMETERS

CHAMPION ADJUSTABLE LEG BANDS

This is a well-known Leg Band. It is one of the oldest bands on the market and has met with an immense sale during several years past. It is well and durably made from one thin strip of aluminum, and is used by thousands of successful breeders and exhibitors. Being held by a double lock, it is impossible for them to come off. Made in one size only and adjustable to fit any size fowl. Prices, postpaid, 15c for 12; 85 cents per 100.



DOUBLE CLINCH LEG BANDS

The Double Clinch is one of the most popular flat bands on the market. It has an exceptionally strong fastening, consisting of two clinches which close down over the ends of the band in a way that

makes it practically impossible for fowls to lose them off. In ordering always state size desired.

Prices, postpaid, 15c for 12; 85c per 100.

ECLIPSE POULTRY BANDS



A modern Band in colors. These Bands are made with extra large figures on a plain white background. The numbers are easily visible even when the fowl is moving about in the yard. The figures are protected by a thick, transparent cover (not simply glazed) making it extremely durable. The Bands are made of aluminum, consequently they are very strong and very light in weight.

Come in three sizes: Prices postpaid; 40c for 12; \$2.50 per 100.

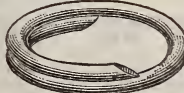
SEAMLESS LEG BANDS

This Seamless Pigeon Band is slipped over the foot of the young squab when a week or ten days old. The Band bears the year, date and a number for keeping pedigree. Comes without year date also. Made of aluminum and in three sizes. Order by size number and state how they are to be stamped. We number them from 1 to 100 unless otherwise ordered. Prices, postpaid, with number only, 20c for 12; \$1.50 per 100.



"SPIR-OL"

Celluloid Leg Bands Are Best, Because:—They are easily placed, easily distinguished, cannot come off, can be used over again, do not break, they are cheap. Colors, Black, White, Red, Yellow, Blue, Green, Purple, Light Blue, Maroon and Pink.



When ordering be sure to state size and breed of fowl.

Prices, postpaid, 15c for 12; 25c for 25; 40c for 50; 75c for 100; \$7.00 for 1000.

PETTEY'S POULTRY PUNCH



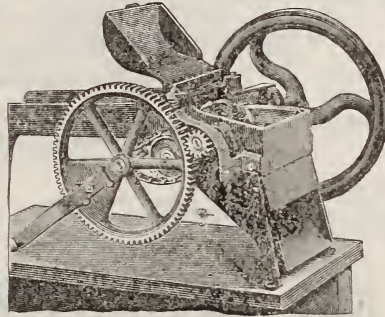
All Steel, Nickel Plated, Punches Clean; is right size; will not bruise the foot. Price, 25c by mail.

FREEMAN'S No. 7 SPECIAL HAND FEED CUTTER

The frame is made of hard wood with mortise and tenon joints and is exceptionally well braced. Feed rolls are governed by an equalizer bar and spring so that both ends of feed rolls are raised equally and there is no binding in the boxes. This machine has the adjustable cone feed gearing by which length of cut is changed.

Capacity per hour: No. 7 two knives—dry fodder, 15 to 200 pounds; green fodder, 300 to 400 pounds. Weight 150 pounds. Price, \$34.00.

FREEMAN No. 4 CLOVER CUTTER



Will cut either green or dry clover, alfalfa, straw, vegetable tops, etc., in one-eighth inch length, suitable for chicks or grown fowls. The cutter bar is adjustable, and easily accessible for sharpening; the four 7-inch spiral steel knives can readily be removed for sharpening. Has large capacity, strong feed and runs easily. Length of cutter 28 1/2 inches. Weight 60 pounds.

Price, \$26.00 F. O. B. Los Angeles.

FREEMAN'S POWER CUTTER No. 10 1/2

Free Knife Cutter. It is built the same as the No. 10 large hand Cutter with the exception that the crank gear is done away with and the knife head shaft is extended so that pulley or balance wheel can be placed on either side of the machine, but both cannot be placed on the same side at the same time.

Power required, 1 to 1 1/2 horse power. Speed 300 to 400 revolutions per minute. Weight with 10-inch diameter by 3-inch face pulley, 300 lbs. Price each, \$67.50.

BLACK HAWK GRIST MILL



A Convenience and a Money Saver

The Black Hawk Grist Mill grinds corn into meal, wheat into graham flour, or will crack it for breakfast foods. Grinds rice into flour, cracks peas for soups; grinds beans, coffee, spices, salt, sugar, and makes buck-wheat flour.

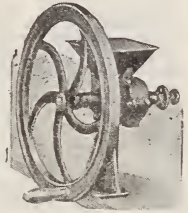
For people who keep poultry the Black Hawk Grinder has a double value. It has been proven by poultry experts that cracked grain is much more valuable than whole grain for feeding to fowls. Weight of Mill, 17 pounds. Price complete, \$4.25. Extra Grinders, per pair \$0c.

BLACK HAWK CORN SHELLER

Very strong and durable, made of malleable iron and chilled iron. Just the thing. Price, \$4.50. Special pamphlet giving full description FREE.

STOVER HAND GRINDING MILLS

These machines will grind dry corn, barley, rye, peas, nut shells, stale bread, etc., for poultry feed, or will grind table meal for family use. They will also grind dry bones and oyster shells, providing the pieces are not too large, in which event they can readily be broken by a stamper, an ax or some other available tool, and placed in the hopper a few pieces at a time; then the machines will pulverize them as fine as desired.



No. 32—16-inch Fly Wheel \$ 6.25
No. 33—19-inch Fly Wheel 7.50
No. 35—20-inch Fly Wheel 10.00

MALTHOID ROOFING

Malthoid Roofing is by every test the Best Roofing on the market. It is universally known, and is made by people who know how. Each 2-ply, about 35 lbs. per square \$2.25
2-ply, about 45 lbs. per square 3.30
3-ply, about 53 lbs. per square 3.85

TYCOS INCUBATOR THERMOMETER



No. 5774

Black oxidized brass scales, white filled figures and graduations, mercury tubes, angle pattern, flange turned over on upper edge to hook on wire or metal strip. Price, 90c each, postpaid.

No. 5770—Straight Pattern Each \$1.00
No. 5782—Certified, same Pattern as No. 5774 Each 1.10

No. 5792 BROODER THERMOMETER

When placed in a hole in top of the brooder or hover the scale can be read from the outside while the bulb of the thermometer is inside. Price each 90c.

TYCOS HYGROMETER

Millions of chicks die in the shell every year for the want of proper moisture conditions. The importance of a correct percentage of moisture during incubation has made the Tycos Hygrometer as necessary as the Tycos Incubator Thermometer. Neither takes the place of the other, but together they give the practical poultry raiser all the facts required for successfully regulating the heat and moisture of his incubators. The Tycos Incubator Hygrometer is not a regulator of moisture, but an indicator, showing (together with the Tycos Incubator Thermometer) exactly what the conditions are, so that if not correct they may be made so.

Standard grade Tycos Incubator Hygrometer, black oxidized brass scales, white filled figures and graduations, glass water cistern, silk wick, complete directions with each instrument. Price, \$1.90 each.

Extra Silk Wicks for Hygrometers, 15c each. Booklets on Incubator and Dairy Thermometers sent upon request.



ORNAMENTAL FISH FOODS—ACCESSORIES

Vogues in home decorations come and go. Today the ornamental Fish has come into its own and no home decorative scheme is considered complete without colorful, fancy shaped Fish in attractive bowls or aquariums. Cleanly washed river sand or gravel and some ornamental piece of rockwork should be placed in the bottom. It is also necessary to have some fresh water plants that will grow underneath the water, in order to supply oxygen. Scavengers and snails should be included in the equipment as they clean up refuse that would otherwise decay and spread disaster through the aquarium.

DECORATIVE FISH

We have a wide assortment of ornamental fish in a varying degree of sizes and color, including Gold Fish, Telescope Eye Fish, Straight-tails, Dwarf Transparent, Calico and others. There is a great variation in the color of the Telescope Eye—some are all black, others are black and gold, gold and white, and blue-black and gold. The latter are called Calico fish. The Dwarf Transparent Gold Fish are exceedingly small and only grow to one inch in length. They are transparent and stay near the top of the water. They move very quickly and if put in a fairly large size aquarium the big fish cannot catch them. Write for price list.

FISH FOOD

Germain's Special Fish Food, 10c pkg. \$1.75 per lb.
 Spratt's Aquarium Fish Food..... .15 per pkg
 Germain's Wafers..... .10 per pkg

FISH DIP NETS



A dip net is almost indispensable around an aquarium as it is frequently necessary to remove the fish, and a net will enable you to do this without harming them. The one illustrated above is strong and durable and has polished wood handle. Three sizes, 35c, 50c and 75c each.

SCAVENGERS

Scavengers resemble snails but are much smaller in size. Both scavengers and snails are necessary in aquariums as they eat the refuse and keep both water and glass clean. Price on application.

FISH BOWLS AND AQUARIUMS

We carry a complete stock of fish bowls and aquariums and will be glad to quote on the various kinds and styles.

WATER LILIES

Our list of Water Lilies in both the tropical and hardy varieties is very complete.

Wm. Doogie—Flowers, cup shaped, of beautiful shell pink; deliciously fragrant.

Alba Candidissima—A vigorous and desirable variety. Flowers good sized and pure white.

Mariacca Chromatella—A free and vigorous grower, light canary yellow.

Gloriosa—A superb variety, deep carmine rose. A free, continuous bloomer.

Robinsoni—Floating flowers of dark orange-red, a free bloomer. We list a large number of other water lilies also. Please write for price list.

WATER PLANTS

Anacharis Moss 10c per bunch; 3 for 25c
 Parrots Feather 10c per bunch; 3 for 25c
 Eel Grass 10c per plant; 3 for 25c
 Water Hyacinths 15c per plant; 2 for 25c

SINGING AND DECORATIVE BIRDS

CANARY BIRDS

These beautiful birds are the favorite song birds and today no home is complete without a dainty cage and its joyful occupant. Their wonderful vocal powers make them desirable pets and one finds it also interesting and very profitable to raise them. They readily breed in cages or aviaries and one can easily care for them by following the directions given in our book. We carry in stock only the best of these—both male and female—and can quickly furnish them in any number desired.

THE ROLLER

Considered the finest singers among the canaries, these birds are bred and trained in the United States. The birds are handled only by experts who use bird organs to train the vocal powers. St. Andreasburg Rollers represent years of training of the canary's voice.

THE HARTZ MOUNTAIN WARBLER

These birds have been raised in the United States since the war. They rightly deserve their famous renown as a joyful and active singer besides possessing extraordinary vocal powers.

THE ENGLISH OR NORWICH CANARY

Bred for their beautiful plumage and size, as well as for their strong song, these birds make splendid pets and should be in every home. Prices of birds on application. We always have on hand choice singers at \$15.00 and up. Safe shipment by express.

MADAM SHAFER'S NESTLING FOOD

The best food for young birds. Not only does it take the place of egg in the diet, but by being scientifically prepared contains all the ingredients necessary for the nourishment and growth of the young birds. Price, 35c.

MADAM SHAFER'S TONIC AND SONG RESTORER

As a general tonic it is unequalled. Fed during the moulting season will hasten the moult and restore the song. Price, 35c.

MEDICATED SEED

A special treat for the birds. Has tonic properties. Per can 15c.

SPRATT'S REMEDIES, BIRD SPECIALTIES, ETC.

An invaluable remedy in the treatment of colds and asthma. A few drops of **Canarydyne** given when the first symptoms of a cold are noticed usually results in a cure 25
 Spratt's Pollicrackers..... .25
 Spratt's Parrot Tonic..... .25
 Cod Liver Oil Cage Bird Food..... .25

BIRD SUPPLIES

Bird Foot Salve..... \$0.20
 Egg and Fruit Mixture..... .20
 Canary Leg Bands, per dozen..... .25

BIRD MANNA

For the basis of this preparation we are indebted to the canary breeders of the Hartz Mountains. They use a paste that keeps their birds in health and cures nearly all diseases. **Bird Manna** is now more widely known than any article ever prepared by bird dealers, solely upon making its merits known and having been tested. **Bird Manna** is put up in metal cases, secured by letters patent and is fastened to the cage wires, within easy reach of the bird. Price, 15c each.

SPRATT'S BIRD LICE DESTROYER (HENNING'S). For dusting the feathers. Price, 30 cents.

SPRATT'S PARROT FOOD. A mixed food for parrots which should be kept before them all the time. Cartons, 20c each.

DEFIANCE MOCKING BIRD FOOD. The purest food obtainable for Mocking Birds, Robins, Nightingales, Thrushes, Black Birds, Skylarks, and other soft billed birds. Per tin, 75c.

BURROW'S PURE COLOR FOOD

All prepared and ready to use. This color food imparts the rich orange color to canaries so desired by breeders and exhibitors. Large can, 60 cents.



HENNING'S BIRD TONIC

For the prevention and cure of all diseases which cage birds are subject to. Colds, asthma, hard breathing, shedding of feathers out of season, diarrhoea, etc. When a bird is in good health, his feathers are sleek and smooth, adhering closely to the body.

Whenever you perceive him sitting dull and bunched, something is out of order. A tonic will build up the system and give strength. In bottles, 30 cents. Not mailable.



GERMAIN'S MIXED BIRD SEED.

Bright, clean, pure and wholesome, specially mixed by us according to the recipe of a famous German specialist. Germain's name and reputation are its guarantee. Price per package, 20 cents.

GERMAIN'S BRAND SILVER WASHED BIRD GRAVEL

is especially prepared for cage birds. To properly care for the bird, clean the cage and sprinkle the bottom with this gravel once a day. Per package 10c.



Mixed Bird Seed.....	Per lb. \$0.20	Maw (Blue Poppy).....	Per lb. .20
Mixed Canary and Rape.....	.25	Letuce Seed, for birds....	.20
Hemp.....	.20	Miller, White French.....	.20
Cuttle Fish Bone.....	.80	Sunflower, Russian.....	.20

PLAIN AND FANCY CAGES

JAPANED BIRD CAGES

Our Japaned Cages are carefully selected and even the cheapest one will please you. They are finished with a hard enamel coating which insures a clean neat appearance as well as wearing quality of many years.



Fancy Japaned, No. 272. Price \$2.75

No.	Inches	Price
271	9½ x 6¼	\$2.25
272	10 x 7	2.75
273	10½ x 7½	3.25
274	11 x 8	3.50
275	11¾ x 8¾	4.00

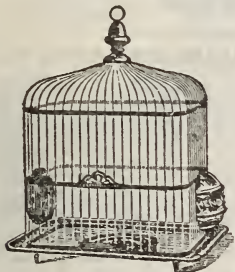
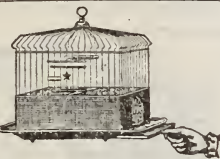


Japanned with drawer, No. 273D. Price \$4.25.

Japanned with brass guard and drawer.

No. 273D.

Price \$6.50



No. 166	10½ x 7	16 in. high	\$3.50 each
No. 167	11 x 7½, 16¾	in. high	4.00 each
No. 168	12¼ x 8¼, 17½	in. high	4.50 each
No. 169	13 x 8¾, 18	in. high	5.00 each



No. 266	10½ x 7	16 in. high	\$6.00 each
No. 267	11 x 7½, 16¾	in. high	6.50 each
No. 268	12¼ x 8¼, 17½	in. high	7.00 each
No. 269	13 x 8¾, 18	in. high	7.50 each

JAPANED, WITH BRASS GUARDS

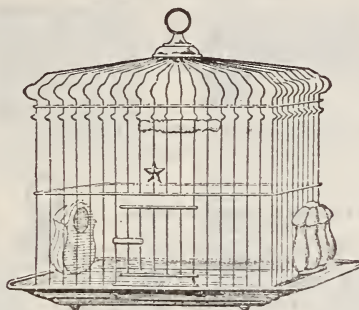
No.	Inches	Price
2272	10 x 7	\$5.00
2273	10½ x 7½	5.50
2274	11 x 8	6.50
2275	11¾ x 8¾	7.50

These Cages have a Brass Wire Guard attached to the Japanned wires, to prevent birds from throwing shells of seed and gravel beyond the bottoms.

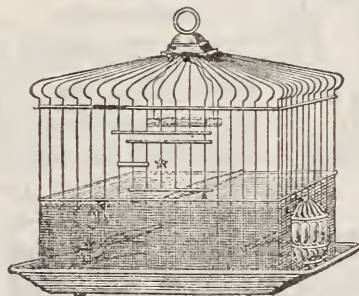


Japanned with brass guard, No. 2273. Price \$5.50

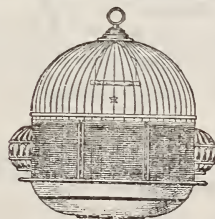
BRASS CAGES



No. 471	9½ x 6¼ inches	\$4.25 each
No. 472	10½ x 7½ inches	4.50 each
No. 473	10¾ x 7¾ inches	5.50 each
No. 474	11¾ x 8¾ inches	6.25 each
No. 475	12¾ x 9¾ inches	7.00 each



No. 2471	9½ x 6¼ inches	\$6.00 each
No. 2472	10½ x 7½ inches	7.00 each
No. 2473	10¾ x 7¾ inches	8.00 each
No. 2474	11¾ x 8¾ inches	9.00 each
No. 2475	12¾ x 9¾ inches	10.00 each



No. 2536

11-inch diameter

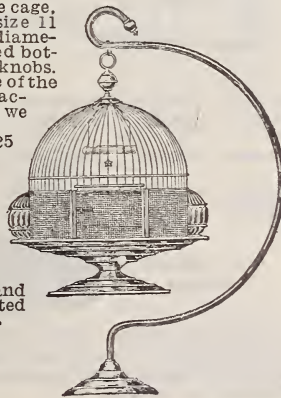
Price.....\$9.00

Brass dome cage, No. 2526, size 11 inches in diameter, polished bottom and knobs. This is one of the most attractive cages we carry.

Price \$9.25

Does not include stand.

No. 5½ Stand as illustrated Price \$8.00.



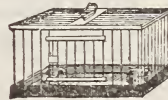
FANCY HALF GLOBE IVORY

No. 6	10 in. dia.	\$6.50 each
No. 6½	11 in. dia.	\$7.50 each
No. 7	12 in. dia.	\$8.50 each



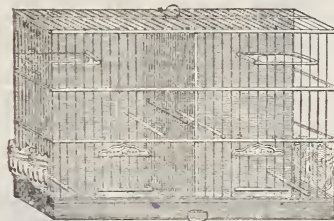
TRAVELING CAGE

We carry a small cage for use by those who travel considerably and still wish to take their bird with them. It is very handy, being only 4½ inches high, 6¾



inches wide and 8¾ inches long, supplied with feed and water cups. Price \$2.00.

BREEDING CAGES



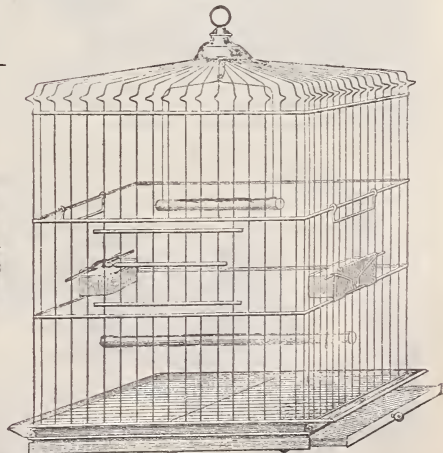
Our stock of both single and double Breeding Cages is complete, in wood Japaned and tinned. These can be stored away when not in use for breeding or after fixtures are removed, used for young growing birds.

Japanned Double	\$10.00
Single	6.00
Tinned, Double	7.25 (14")
"	6.25 (13")
Tinned, Single	5.25 (12")
"	4.50 (11")

PARROT CAGES

We carry a complete line of parrot cages and can supply you in various sizes. Prices average from \$7.00 up.

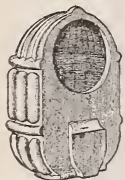
Heavy Tin Bottoms with Zinc Fans. Tinned Iron Seed Cups.



BIRD CAGE ACCESSORIES

We are showing on this page a few of the many accessories and aviary supplies carried in our complete Bird Department. Space will not permit us to give full listing, so we have shown only those goods most necessary to bird raising. It is our intention to make our bird department the best of its kind in the West, and to be well stocked at all times with standard as well as novel accessories and supplies. Our mail order department is fully equipped to take care of all orders, so if goods you desire are not listed in this catalog, kindly write us and we will endeavor to satisfactorily supply you.

SHELL FEED AND WATER CUPS



The Shell Cup shown here can be used for either food or water. Made to fit any cage and is easily detachable. It is clean, sanitary and prevents birds from wasting food. Price... Shell Cup in Crystal 20 each Shell Cup in Opal 25 each Single Cup Points 15 each Square Canary Cups 15 each

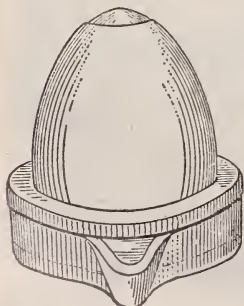
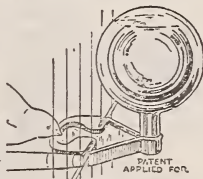
TULIP FEED AND WATER CUPS

The Tulip Cup is one of our best sellers. It fits any cage, is easily cleansed and filled, and is perfectly sanitary. It comes in both crystal and in opal. Tulip Crystal Cup 20c each Tulip Opal Cup ... 25c each



CRYSTAL FOUNTAIN

The Crystal fountain is new, sanitary and very attractive. It can be used on any cage. The crystal globe is filled with water and inverted over a nickel base which holds just enough water at a time to keep supply clean and fresh. It is so constructed as to do away with the sloping over of water that is often attendant in cage fountains. Price \$1.75 each.



INSIDE FOUNTAIN

Total height, 2 3/4 inches.
Crystal Glass
Price
35 cents each

OPAL FOOD HOLDERS



in the way of food is offered. Price 20c.

A sanitary porcelain cup that holds just enough for one feeding. Designed especially for use in giving tonics, or when some treat

CANARY SWINGS AND HANGERS

This swing is especially attractive. Has bell-like top and light easy perch. Price of swing.... of hanger.... Other perches with hanger priced from 30c to \$1.25 each.



2-FOOT CHAIN WITH SPRING—Brass



For use where ceilings or windows are high. This gives the same easy swing to the cage as does the single cage spring. The chain and spring are made of brass and will last indefinitely.

2-Foot chain and spring, 35 cents.

CAGE SPRINGS

Single. This spring is made of extra fine wire, which gives a free, easy springy movement to the cage. Price 25 cents each.

Extra heavy. This spring is made of wire heavy enough to support large cages. Price 35 cents each.



DOUBLE CAGE SPRING

This spring is for extra heavy cages and is so constructed that it prevents cages from swinging around. Price 35 cents each.



CAGE BRACKETS



- No. 224 8 inches. Nickel Plated.... \$.35
- No. 226 10 inches. Brass Plated and Lacquered.... \$.55
- No. 227 12 inches. Brass Plated and Lacquered.... \$.75
- No. 116 10 inches. Brass Plated.... \$.30

WIRE GUARD CLOTH



Extra fine quality of wire cloth of the regular width. As this guard cloth comes in rolls we can sell lengths to fit any cage. Price per foot 40 cents.

TAPERED CANARY PERCHES (For Brass Cages)

For square cages, sizes 6, 6 1/2, 7 1/4, 8 1/2, 8 3/4 and 10 1/2 inches. Price 10c each.
For round cages, sizes 8, 8 1/2, and 9 1/2 inches Price 10c each.



WIRE NEST WITH SWIVEL

4 Inches in diameter. Vermin-proof. Adapted to all Breeding Cages, with or without nest boards. Price, 15 cents each.

BIRD NESTING



Clean, sanitary nesting prepared of deer hair. Makes a soft, warm bed and is readily used by birds. Price 10c package.

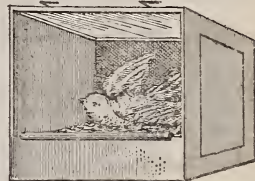
CANARY BATHS



These are of porcelain construction and will last indefinitely. Ideal for use as an open bath in a warm room. Two sizes.
Opal, each..... 0.30
Crystal, each..... .25

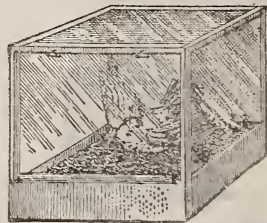
CANARY BATH HOUSE NO. 1

Of white enameled tin with a top glass light. It fits the door of any canary cage and it is impossible for the bird to splash the water out.



4x4 inches..... \$0.80

No. 2 CANARY BATH HOUSE



White Enameled Tin and three removable Glass Lights.
4x4 inches..... \$1.00

No. 2 SHIPPING CUP



Tin, for Drinking Water.
4 inches long..... \$0.40

DOG REMEDIES AND SUPPLIES

We maintain a highly efficient, well equipped dog and cat department—carrying a full line of the Spratt foods and remedies as well as the famous Clayton remedies. This department is under the supervision of experts who can give you authentic information and advice on the feeding and proper care of dogs and cats. We want our patrons to feel at liberty to ask for any information at any time.

CLAYTON'S DOG REMEDIES

DISTEMPER is an acute contagious disease. The nervous system is generally, if not always, involved, and there is a characteristic skin eruption to be found, but not present in all cases.

This disease has been treated for 35 years very successfully with **CLAYTON'S DISTEMPERINE TABLETS** for all ages and all breeds. A trial will convince you.

Blood Pills.....	each \$.50	Goitre Cure.....	each \$1.00
Canker Lotion.....	.50	Hair Tonic.....	.50
Ceoline Dog Wash.....	.40	Kilifea Soap.....	.25
Ceoline Soap.....	.25	Kilifea Powder.....	.40
Cream Soap.....	.25	Laxative Pills.....	.50
Condition Pills.....	.50	Mange Cure.....	.50
Chorea Tablets.....	.50	Mange Remedy.....	.50
Cough Cure.....	.50	Puppy Tonic.....	.50
Diarrhoea Cure.....	.50	Rheumatic Tablets.....	.50
Distemperine.....	.50	Shampoo.....	.25
Digestive Tablets.....	.50	Sulphur Tablets.....	.50
Eye Lotion.....	.50	Tape Worm Expeller.....	.50
Fit Cure.....	.50	Vermifuge.....	.50
		Worm Pills.....	.50

SPRATT'S DOG REMEDIES

Spratt's Alterative Cooling Tablets , for heated blood, etc..	\$0.50
Spratt's Anti-Rickets Tablets , a bone and muscle builder	.50
Spratt's Anti-Asthmatic Tablets	.50
Spratt's Anti-Vomit Tablets	.50

Spratt's Bone Builder , for Rickets, Osteoporosis, etc.....	1.00
Spratt's Consumption Capsules.....	.50
Spratt's Chorea Tablets , for Chorea, St. Vitus Dance, etc.	.50
Spratt's Constipation Tablets , a gentle and effective laxative.....	.50
Spratt's Digestive Tablets , for severe cases of indigestion.....	.50
Spratt's Diarrhoea Tablets , to relieve diarrhoea which usually follows change of food, etc., etc.....	.50
Spratt's Distemper Tablets , may be used as a preventative.....	.75
Spratt's Ear Canker Ointment . For both internal and external forms of this disease.....	.50
Spratt's Eye Lotion a safe and efficient remedy.....	.50
Spratt's Famous Dog Soap , per cake.....	.25
Spratt's Eczema and Sarcopic Mange Remedy (Oily)....	.50
Spratt's Hair Stimulant and Restorer.....	.50
Spratt's Kidney Tablets , for Cystitis, or inflammation of bladder, etc.....	.50
Spratt's Liniment , for Rheumatism, Sprains, Lameness, etc.....	.50
Spratt's Liver Tablets , safe and reliable.....	.50
Spratt's Locurium Ointment.....	.50
Spratt's Mange Remedy.....	.50
Spratt's Pneumonia Tablets . Administer as soon as possible.....	.50
Spratt's Purgative Tablets . Perfectly safe and effective.....	.50
Spratt's Rheumatism Tablets . For internal treatment.....	.50
Spratt's Tonic and Condition Tablets . To build up after sickness and to put in bench show form, etc.....	.50
Spratt's Worm Capsules . An expellent of Round, Maw and tape worms.....	.50
Spratt's Worm Capsules for Puppies . May be given with safety to puppies from six weeks old to six months....	.50
Spratt's Tonic and Condition Tablets for Toy Dogs and Puppies.....	.50
Spratt's Distemper Tablets for Toy Dogs and Puppies....	.75
Delceo , for distemper, etc.....	1.50

SPRATT'S KENNEL SUPPLIES

Spratt's Dog and Cat Foods, remedies, Soaps and Appliances

"SPRATT'S DOG CAKES"

Composed of meat, wheat and vegetables. The standard food for dogs. A staple and constant food for all breeds. Used at leading kennels and Dog Shows throughout the world. Prices: 100-pound bags, **\$12.75**; 50-pound bags, **\$6.55**; 25-pound bags, **\$3.40**; 10-pound bags, **\$1.55**; 5-pound bags, **85c**; cartons, **40c**.

"SPRATT'S" PUPPY BISCUITS

A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old, and they should be continued until such time as their teeth become large and strong; usually when they are about six months old. Follow directions on each package.

Prices: 100-pound bag, **\$13.25**; 50-pound bag, **\$6.80**; 25-pound bag, **\$3.55**; 10-pound, **\$1.60**; 5 pounds, **85c**; cartons, **40c**.

"Spratt's Cod Liver Oil Biscuits are invaluable for old or delicate dogs. Cod Liver Oil builds up a dog as well as a human being. 25-pound bags, **\$3.65**; cartons, **40c**.

Spratt's Kibbled Dog Cakes. These are the regular dog cakes, only broken: 100 lbs. **\$13.00**, 50 lbs. **\$6.70**, 25 lbs. **\$3.50**, 10 lbs. **\$1.60**, 5 lbs. **90c**.

"Spratt's" Fibro. A splendid food for dogs that are "off their feed," or "shy feeders," or those recovering from sickness. Good as a change of food at any time for all dogs. 25-pound bags, **\$3.90**; cartons, **40c**.

"Spratt's" "Midget" Charcoal Biscuits. To correct all bowel troubles, weak digestion, fetid breath, etc. All dogs should have at least once a week, and preferably at regular intervals, a meal of these excellent cakes.

Prices: Bags, 100 lbs., **\$13.75**; 50 lbs., **\$7.05**; 25 lbs., **\$3.65**; 10 lbs., **\$1.75**; cartons, **40c**.

"Spratt's" Rodnim. The best granulated Dog Food. Can be fed either dry or moistened with water, milk, or gravy, and is recommended as a change from the regular Dog Cake.

Prices: Bags, 100 lbs., **\$13.75**; 50 lbs., **\$7.05**; 25 lbs., **\$3.65**; 10 lbs., **\$1.65**; cartons, **40c**.

"Spratt's" Bulldog and Terrier Meal. Breeders of the "Bull" have largely demanded of us a genuine meal suitable to the breed. We have kept pace with the demand, and here offer a food which will be found highly satisfactory in its conditioning and muscle and bone-making properties. Remember, **Spratt's** confidently recommended it and that it is devoid of added sugar or chemicals. Prices: 100 lbs., **\$13.75**; 50 lbs., **\$7.05**; 25 lbs., **\$3.65**; cartons, **40c**.

"Spratt's" Plain Puppy Meal. The standard weaning food. To be fed before, during and after weaning. 25-Pound bags **\$3.40**, cartons **40 cents**.

"Spratt's Pepsinated Puppy Meal. Contains pepsin and recommended for puppies of weak digestion. Tins 35 cents.

"Spratt's Orphan Puppy Food. Substitute for natural milk. For use when mother is dead or deficient in milk. Tins 60 cents.

"Spratt's" Bone Meal for Puppies. "The strong frame builder." 25-Pound bag **\$2.00**· tins **40 cents**.

"Spratt's" Oblongs. Milk-meat-wheat. This is something entirely new and is especially fine for lap dogs, bad doers, puppies, cats, etc. Where difficulty is experienced in getting a dog to eat regular dog cakes, feed him Oblongs. All dogs eat them and thrive on them. Cartons 20 cents.

"Spratt's" Malted Puppy Food. For shy or dainty feeders. Tins 30 cents.

Send 2-cent stamp for Spratt's book, "Dog Culture", which contains much valuable information regarding feeding and care of dogs.

SPRATT'S NEW SLIP-OVER COLLAR RING LEAD

This is a combination lead and collar and is far superior to old-style collars and leads.

Russet		White Leather	
1/4-inch Toy Dog.....	\$2.00	1/4-inch Toy Dog.....	\$3.00
3/8-inch Medium Dogs....	2.25	3/8-inch Medium Dogs....	2.25
1/2-inch Large Dogs.....	2.50	1/2-inch Large Dogs.....	2.25

SPRATT'S PATENT COMBS FOR DOGS (Imported) Best Nickel-plated Steel Combs



7 INCHES LONG	
No. 1. Coarse teeth.....	\$1.75
No. 2. Medium teeth.....	1.75
No. 3. Coarse and fine teeth....	1.75
No. 1, 2, 3. Suitable for collies, etc.	
No. 4. Coarse.....	1.50
No. 5. Medium.....	1.50
No. 5. Fine (flea comb).....	1.50
No. 6. Flea Comb.....	1.50
No. 0. Flea Comb.....	1.50
Nos. 4, 5, 6 and 0 suitable for terriers, spaniels, etc.	
No. 7. Nit Comb; double row teeth, one side fine teeth, other side very fine teeth.....	1.50
No. 8. Tiny Comb. Very fine teeth.....	1.25

SPRATT'S IMPORTED BRUSHES FOR DOGS AND CATS



No. 116. Whalebone Brush. Suitable for rough coated dogs.	4.50
No. 22. Slanting Bristle Brush. For bulldogs, terriers and smooth coated dogs.....	2.25
No. 5. Bristle Brush, leather back.....	2.50
No. 5. Bristle Brush, wood back.....	2.25
No. 6. Wire Brush, wood back.....	.75
No. 20. Corn Fibre Brush, wood back.....	1.25

FOODS AND REMEDIES FOR CATS

CATNIP BALL

Its object is to afford amusement to and benefit the health of cats. In endeavoring to get the catnip it induces them to exercise. If the cat plays with it violently, it is saying as plainly as though it could talk that it desires CATNIP. Price, 20 cents each.

SUMMIT BRAND LOOSE CATNIP

Catnip is medicinal for all cats and where these pets are kept some should be on hand. **Summit's Brand Loose Catnip** is carefully selected and prepared from loose catnip leaves and tops. It is free from adulterations, dirt or foreign matter and is especially intended for making Catnip Tea. It is also beneficial to cats and kittens; if a little is given it will keep the animals in condition. Price, 15c.

SPRATT'S CAT FOOD. A complete food for cats. Used at the leading cateries throughout the world and daily becoming more popular among the fancy. Cartons, 40c.

SPRATT'S CAT FOOD WITH PASTEURIZED MILK. Excellent for kittens and invalid cats. Prices, same as regular cat food.

SPRATT'S MALTED KITTEN FOOD. Thousands of kittens that are somewhat delicate at birth or that are without stamina die for want of proper food and nourishment. For these little fellows we strongly recommend this food. It is very highly prized in England, and is daily becoming more popular in this country. Price, 35c

SPRATT'S FISH CAT FOOD. Use this as a change of diet, especially during the summer months. Prices, same as regular Cat Food.

Spratt's Tonic and Condition Tablets. Each .50

Spratt's Worm Capsules. Each .50

Spratt's Distemper Tablets. Each .75

CLAYTON'S CAT REMEDIES

Clayton's Cat Remedies are recognized as standard the world over. We unhesitatingly recommend them.

FREE—A Treatise on the Cat by George Clayton.

Blood Purifying and Cooling Tablets. For all blood diseases.	\$0.50
Canker Lotion Tablets. For all diseases of the ear.	.50
Cough Remedy, for coughs.	.50
Diarrhoea Tablets.	.50
Digestive Tablets. For all stomach diseases, for vomiting.	.50
Distemperine and Distemperine Tablets. For Distemper.	.50
Eye Lotion Tablets. For all diseases of the eye.	.50
Fit Tablets. For fits.	.50
Kilfeea Powder.	.40
Laxative Tablets. Acts directly on the liver and secretions.	.50
Mange Remedy. For all forms of skin disease.	.50
Mouth Wash. For all ulcerated conditions of the mouth.	.50
Soap.	.25
Tape Worm Expeller Tablets. Will expel the tape worm.	.50
Tonic Catnip Condition Tablets.	.50
Vermifuge (liquid).	.50
Wash and Disinfectant. Kills Fleas, Disinfects.	.25
Worm Tablets. Will expel worms.	.50

CATNIP MICE

A new plaything for the cat in the way of Catnip. The animal has a wonderful time playing with it, besides being of great health benefit. Price, 15c each.

BOOKS

RELIABLE POULTRY JOURNAL LIBRARY

	Price
Artificial Incubating and Brooding.	\$1.00
Asiaties—Brahmas, Cochins, and Langshans.	.50
The Chick Book.	.50
The Campines.	.75
Ducks and Geese.	.75
Egg Record and Account Book.	.40
Fundamentals in Poultry Breeding.	2.00
How to Feed Poultry with Profit.	1.25
The Leghorns—All Varieties.	1.00

	Price
The Orpingtons—Black, Buff and White.	\$0.75
The Plymouth Rocks—All varieties.	1.00
Poultry Houses and Fixtures (7th ed.)	1.00
Profitable Culling and Flock Breeding.	1.50
Rhode Island Reds.	.75
Successful Backyard Poultry Keeping.	1.00
Turkeys—Their Care and Management.	.75
The Wyandottes—All Varieties.	1.00
Use of Artificial Light to Increase Winter Egg Production.	1.50

AGRICULTURAL AND HORTICULTURAL BOOKS

	Price Postpaid
Alfalfa, The Book on, by F. D. Coburn	\$2.50
Apple Orchard, The American, by F. A. Waugh	2.00
Asparagus Culture, by J. Barnes and William Robinson	.85
Basket Making, by Wharton James	1.50
Bulbs and Tuberous-Rooted Plants, by C. L. Allen	2.50
Bush Fruits, by F. W. Card, 537 pages, illustrated.	2.25
California Fruits, and How to Grow Them, by Wickson	4.00
California Garden Flowers, by Wickson	2.00
California Vegetables, by E. J. Wickson	2.50
Campbell's Soil Culture Manual.	1.00
Citrus Fruits and their Culture, J. E. Coit.	3.75
Farm Gardening and Seed Growing, by Brill	1.15
Garden Hops, by Hall.	.75
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Germain

LOS ANGELES

1922

