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Morse's GARDEN GUIDE 1920

62,09

LOS ANGELES
LETTUCE

FRENCH FORCING
CARROT

ICICLE
RADISH

C. MORSE & CO.
SAN FRANCISCO
CALIFORNIA U.S.A.

MORSE'S SEEDS NOW 5c PER PACKET

All Prices in Catalogue are Plainly Marked

Back to the old price of 5c—the established pre-war price.

Our seeds are sold at about the same as 1917 and 1918 prices, and a moment's comparison will convince you that, taking the increased cost of all materials into consideration, our prices are low. At no time has there been profiteering in seeds. If you could buy shoes or clothes at 1917 prices, you would be happy indeed—you can buy Morse's Seeds from this catalogue.

Vegetables in the stores are high—two or three times their former cost. The soil will produce as much as ever—therefore buy and plant seed and grow your own vegetables. You will make money, save expense, and gain happiness.

Morse's Seeds are of the same *high quality* now as in the past. Their reputation was made on quality, and this they are and will maintain. Our seed crops are carefully culled of all poor types—"roguing" we call it—when the crops are growing. Constant selection and improvement is carried on at our ranches.

MORSE'S HOME COLLECTION OF VEGETABLES

The HOME COLLECTION is our idea of the *best home garden* sorts of vegetable seeds, sure to give universal satisfaction.

Add what other vegetables you want, and there will be some for everybody, only they will not all be the same. But make this the nucleus: ONE HOME COLLECTION, 95c.

Morse's Home Collection Contains

one packet each of—

BEANS, *Kentucky Wonder*—A stringless pole bean.

BEETS, *Detroit Dark Red*—Best beet we know of.

CABBAGE, *Copenhagen Market*—A sure heading sort.

CARROT, *French Forcing*—Sweet, small and fine.

See cover illustration.

CUCUMBER, *Arlington White Spine*—There is no better cucumber.

LETTUCE, *Los Angeles*—On every market all the year round.

See cover illustration.

ONION, *Yellow Globe Danvers*—Heavy yielding.

PEAS, *Laxtonian*—Our preference in peas.

PARSLEY, *Triple Curled*—A nice garnishing to have at hand.

RADISH, *Iceberg*—Long white, always crisp and delicious.

See cover illustration.

SQUASH, *White Bush Scallop*—Very prolific.

TOMATO, *San Jose Canner*—The best tomato.

All for 95c. Post paid

Each one of the above is unexcelled to grow in a home garden. Besides these you need other sorts of vegetables and flowers.

WE MAIL YOUR SEED ORDER TO YOU

C. C. MORSE & CO. deliver free all seed in packets, ounces, pounds and 10 lb. lots at prices given in this catalogue, everywhere within the Fourth Postal Zone from San Francisco. This includes all of California, all of Oregon and Nevada, the western part of Arizona and Utah. Where express is cheaper or safer we reserve the right to send small orders by express prepaid instead of by mail, and large orders by freight. Please state by "mail only" if you so wish and we will be guided accordingly. We aim to send to all "R. F. D." addresses by mail only.

For more distant points the full advantage of our free delivery offer is retained. Merely add your weight in pounds, the additional amount in postage to the Fourth Zone rate which our free delivery covers. Thus the rate to Fifth Zone is 2 cents per lb. additional, to the Sixth Zone 4 cents per lb. additional, to the Seventh Zone 6 cents per lb. additional, to the Eighth Zone 8 cents per lb. additional. Remember that 1 lb. packed weighs 2 lbs. and allow accordingly on orders for single pounds.

We do not pay any postage charges on anything except seeds. We do not deliver free any plants, trees, roots or nursery stock, nor any bulbs (unless priced as postpaid), nor any insecticides, tools, implements, etc. Potatoes and seed grains are quoted always f. o. b. San Francisco.

For directions on How to Order, see page 3. All seed is sold subject to the non-warranty given there.

FOREWORD

After the stress of war conditions, we are glad to greet all of our Customers and Friends. We have expanded—simply had to expand to meet the war demands—and today our seed acreage is larger, and our equipment to handle orders promptly is better than in 1916.

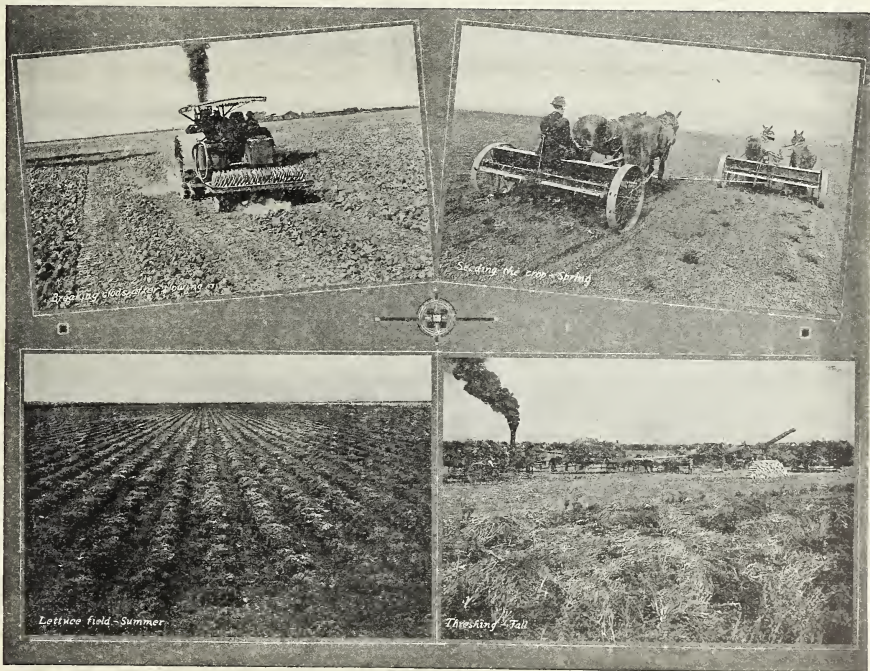
MORSE'S SEEDS STAND FOR QUALITY, and that is what every purchaser must have. To grow good vegetables you must have good seed as a foundation.

Morse's Seed Ranches are located in the San Juan Valley near the old Mission town of San Juan Bautista. Here nature has placed rich soil, and we have added every modern appliance for farming and seed cleaning. Pay us a call at our farm when you have time.

Turn to page 7 and read about our care in breeding one tomato. Constantly this work is being done. All vegetables are kept at the best type by our repeated selections. Morse's seed is acclimatized because it is home grown, and that is another big factor. It is pre-eminent for germination, trueness to type, and good yields. We believe you are interested in ranching and gardening and need our seed, and we respectfully solicit your order from this Catalogue. We will serve you well and faithfully, and you will have seed you can rely upon.

Faithfully yours,

G. C. Morse & Co.



Views on our Seed Ranch at San Juan, California

There are over 1,000 acres on this ranch all devoted to raising Morse's Seeds.



THE MORSE BUILDING, 127 FT. X 138 FT. AT 729-739 FRONT STREET, COR. BROADWAY, SAN FRANCISCO.

GENERAL OFFICES - WHOLESALE DEPARTMENTS AND COMMISSION BOX DEPARTMENT - WAREHOUSE FOR WHOLESALE DEPARTMENT, GRASS SEEDS AND FIELD SEEDS.

We carry an immense stock of Vegetable and Field Seeds in this building. We have installed the very latest seed cleaning machinery and are properly equipped to care for all orders promptly. Cars loaded with seed come direct to our building, and we dispatch large lots in the same way. Smaller orders we deliver by team to any one of the 35 different steamship, railroad or motor routes. Our shipping and order department is very important and orders are usually filled and shipped on the same day they are received.

Our Post-Office address is here No. 739 Front Street



RETAIL SEED STORE
SEEDS, PLANTS, BULBS AND
GARDEN SUPPLIES.

THE SECOND STORY IS USED FOR
OUR MAIL ORDER AND CATALOG
DEPARTMENT.

COME HERE TO
BUY YOUR SEEDS

125 MARKET STREET, SAN FRANCISCO

Call and inspect our stock, consult our Horticultural Encyclopaedias, or ask questions of our clerks. All kinds of Garden and Flower Seeds are kept in stock here.

MORSE'S SEEDS ON COMMISSION

INSIST ON MORSE'S NAME ON YOUR PACKETS, IF YOU
WANT THE BEST

Morse's Seeds ready for immediate purchase direct from their new box of Seeds on commission. These are to be found in practically all the general stores throughout the Southern States, the Pacific Coast and the Northwest Territory. There are very few stores in this territory which do not carry one or more of these metal racks with Morse's seeds.

Our close attention to this department and our determination to serve the people efficiently has developed an immense business. In many respects the Commission Box department is a distinct and unique method of operating the seed business, but the seed that the planter buys from us is just the same whether he buys it from the box, the catalogue or the store.

The papering of seeds for our commission boxes represents the handling of millions of flat papers and cartons. The best seeds we produce, and also the freshest, go into these commission box assortments.

In ordering seeds from the store, be sure to insist on having Morse's.

HOW TO ORDER BY MAIL

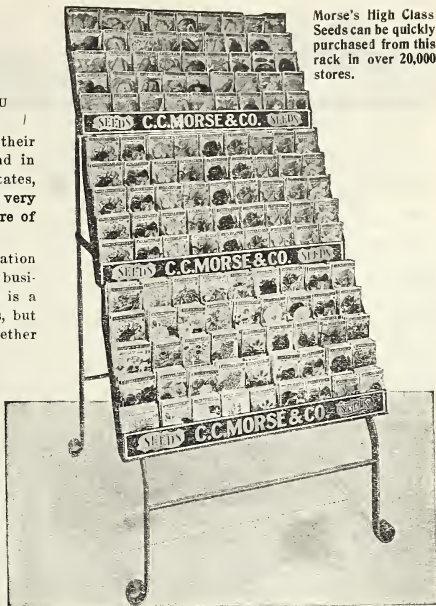
YOUR NAME AND ADDRESS.—Be very sure that your name and address in full are written very plainly.

CASH WITH ORDER.—The proper way is to send remittance in full to cover order and postage. We send orders C. O. D. only if 25 per cent of the amount or order is enclosed. Plants we never send out C. O. D.

REMITTANCES should be made by Post-office Money Order, Express Money Order, or by Bank Draft on San Francisco. For amounts up to one dollar, clean, unused postage stamps will be accepted. Coin should not be sent by mail. Checks on local banks may be sent, which will be a great convenience to many customers. We do not accept responsibility for orders which never reach us.

SHIPPING.—We will use our best judgment as to the best way of sending orders when specific directions are not given. If special directions in shipping are needed, send them explicitly, and where express or freight office is different from post-office, so state in space on our order Sheet. Paris Green, Nicot Fume and other poisons are not mailable, nor are liquids like Electric Worm Eradicator and other insecticides; they must go by express or freight. Seeds do not pack well with nursery stock, because they are liable to get damp and become spoiled; it is better to have them shipped separately.

ZONE RATES may be had by application to your postmaster, who will tell you the zone which you are in with reference to San Francisco, or we will tell you as nearly as we can if you write us.



Morse's High Class
Seeds can be quickly
purchased from this
rack in over 20,000
stores.

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc.,
within the U. S. and Possessions

	First Pound or Fraction	Each additional pound or fraction
First Zone—San Francisco and within 50 miles of San Francisco.....	5c	1c
Second Zone —within 50 to 150 miles of San Francisco.....	5c	1c
Third Zone —within 150 to 300 miles of San Francisco.....	6c	2c
Fourth Zone —within 300 to 600 miles of San Francisco.....	7c	4c
Fifth Zone —within 600 to 1000 miles of San Francisco.....	8c	6c
Sixth Zone —within 1000 to 1400 miles of San Francisco.....	9c	8c
Seventh Zone —within 1400 to 1800 miles of San Francisco.....	11c	10c
Eighth Zone —all over 1800 miles of San Francisco.....	12c	12c

NON-WARRANTY: Note.—There are so many contingencies to be encountered in growing plants from seed and in setting out plants that are dependent on the weather and other conditions over which we have no control, that success in planting is not altogether dependent on the seed or plant. We will send out only seed which we believe will grow and produce the kind of plant and variety represented, but:

C. C. Morse & Co. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any 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.



Variety	Quantity of Seed for 100 ft. of Row	Quantity of Seed Needed for 1 Acre Field Culture	General Time of Sowing where Winters are Cold	Time of Sowing about San Francisco and Central Cal.
ARTICHOKE	1/2 oz. (3 pkts.)	6 oz. T.	Early Spring	September to January. T.
" Plants (Globe)	17 plants	2,904 plants	Spring	January to March.
" (Jerusalem)	3 lbs.	57 sacks	Spring	February to May.
ASPARAGUS (Seed)	1 oz. (1 pkt.)	1 lb. in seed bed. T.	Spring	January to April. T.
" (Plants)	50	1,800-3,000	Early Spring	December to April.
BEANS, Bush	About 1 lb.	17 to 30 lbs. or more.	Late Spring	April to August. S.
" Pole	2 oz.	25 lbs.	Late Spring	April 15th to August. S.
BEEFS	2 oz.	5 lbs.	Spring	All year round. S.
BROCCOLI	1/4 oz. (1 pkt.)	2 3/4 oz. T.	Spring	January to May.
BRUSSELS SPROUTS	1/4 oz. (2 pkts.)	2 3/4 oz. T.	Early Spring	January to March—July to August. T.
CABBAGE	1/4 oz. (2 pkts.)	2 3/4 oz. T.	Early Spring	January to April—July to October. T.
CARROT	1/2 oz.	4 1/2 lbs.	Spring	All year round. S.
CALIFLOWER	1/4 oz.	2 oz. T.	Early Spring	June to January.
CERFY	1/4 oz. (2 pkts.)	2 oz. T.	Spring	January to June. T.
CHERVIL	1 oz.	2 oz. T.	Early Spring	February to May.
CHICORY	1/4 oz. (1 pkt.)	4 lbs.	Early Spring	February to April.
COLLARDS	1/4 oz. (1 pkt.)	2 3/4 oz. T.	Early and Late Spring	All year round.
CORN SALAD	1/4 oz.	2 oz. T.	Early Spring and Late Summer	March and April—Sept. to Nov.
CORN	1/2 lb. per 100 hills.	15 lbs.	Late Spring	April 20th to July 15th.
CUCUMBER	1/2 oz. (2 pkts.)	3 lbs.	Late Spring	April 15th to June 15th.
DANDELION	1/4 oz. (4 pkts.)		Spring	May and June.
EGG PLANT	1/4 oz. (1 pkt.)	4 oz. T.	Early Spring in Hot-Bed	February to April. T.
ENDIVE	1/4 oz.	4 lbs.	Spring	July to October.
HORSE RADISH	70 roots.	15,000 roots	Spring	January to May.
KALE	1/4 oz. (1 pkt.)	2 lbs.	Spring	January to April—July to October.
KOHL RABI	1/4 oz. (1 pkt.)	4 lbs.	Early Spring	January to April—July to October.
LEEK	1/2 oz.	4 lbs.	Early Spring	January to March.
LETTUCE	1/2 oz. (3 pkts.)	4 lbs.	Early and Late Spring	All year round. S.
MUSKMELON	1/2 oz. (3 pkts.)	3 lbs.	Late Spring and Early Summer	April 20th to June.
WATERMELON	1 oz.	2 1/2 lbs.	Late Spring	May to June.
MUSTARD	1/4 oz. (1 pkt.)	2 3/4 lbs.	Spring	February to May.
OKRA	1 oz.	8 lbs.	Late Spring	April 15th to June.
ONION	1/2 oz.	4 lbs.	Early Spring	November to March.
PARSLEY	1/4 oz. (1 pkt.)	3 lbs.	Spring	All year round.
PARSNIP	1/4 oz. (2 pkts.)	3 lbs.	Early Spring	March to June.
PEAS	1 lb.	60-125 lbs.	Early and Late Spring	All year round. S.
PEPPER	1/4 oz. (1 pkt.)	3 oz. T.	Early Spring in Hot-Bed	February to March. T.
POTATO, Irish	5 lbs.	5-6 sacks	Late Spring	January to May.
" Sweet	75 slips	6,580 plants	Late Spring	January to May.
PUMPKIN	1 lb. (2 pkts.)	2 or 4 lbs.	Late Spring	May to June.
RADISH	1 oz.	10 lbs.	Spring. S.	All year round. S.
RHUBARB	1/2 oz.	1 lb.	Spring	February to May. T.
SALSIFY	3/8 plants	2,420	Early Spring	January to April.
SPINACH	1/2 oz.	8 lbs.	Early Spring	February to May.
SQUASH	1 oz. (2 pkts.)	2 3/4 lbs.	Early Spring and Fall	All year round. S.
TOMATO	1/4 oz. (1 pkt.)	2 oz. T.	Early Spring in Hot-Bed	February to May. T.
TURNIP	1/2 oz. (3 pkts.)	3 lbs.	Spring and Summer	August to April. S.

The information given here is as accurate as can be gathered allowing for the different ways of planting and different distances practiced in various parts of the coast. The usual distances are here given and the planter must use his judgment for his particular case. Where garden cultivation is by wheel hoe, the greater distance is better employed, and where it is by hand work, the smaller distance or even less may be better. If the patch will be cultivated by horse, the distances in the field culture column should be used.

SOIL CONDITIONS GOVERN DEPTH

The depth at which to plant seed cannot be given more than approximately because it varies so much with the condition of the moisture in the soil and the time of year. All seeds must have air, moisture and heat to germinate. Five times the diameter of the seed is approximately right for good conditions, but for sowing in the rainy season and in wet soils that is too deep, and for sowing the same seed in the dry season it is too shallow. For field culture, sow comparatively deep late in the spring and when the ground is becoming dry. The Seed Drill must get the seed to moist earth, and if rain is not expected it must be rolled or otherwise well firmed to get the soil packed tightly around. This will aid germination greatly. Firm soils which are heavy or wet only lightly. Seed to be

sown in dry soil may be soaked for two or three hours only in tepid water, to hasten it. Such seed will not then go through a drill.

"S" placed in the column of "Time for Sowing about San Francisco and Central California" means that those sorts are sown for succession. Usually the plantings are made two weeks apart. Other sorts are often planted early and again late for crops at two different seasons.

"T" placed in the same column of "Time for Sowing about San Francisco," means that those sorts which are always started in boxes or beds and later transplanted.

"T" placed in the column of "Quantity of Seed Needed for 1 Acre," is to mark those sorts which are usually sown in beds and later transplanted to the garden, and always transplanted to the field. These are sown without heat or with but very little, excepting Egg Plant, Pepper and Tomato, which require heat to do well.

DEFINITION OF SEASONS

There is inserted a column of comparative dates for those who live in the mountains and where winters are cold. There are three terms used there, which we define as follows:

"Early Spring," means as soon as buds in the trees begin to swell and the ground can be worked into gar-

TABLE VEGETABLE SEEDS



Variety	Crop Matures (In About)	Depth to Plant	"Field Culture"		"Garden Culture"	
			For Horse Cultivation		For Hand Cultivation	
			Apert Put Rows	Leave Plants Apart in Rows	Put Rows Apart	Leave Plants Apart in Rows
ARTICHOKE	Second spring.	1"	5 ft.	3 ft.	3 ft.	3 ft.
" (Jerusalem)	Next spring.	4"	5 ft.	3 ft.	4 ft.	3 ft.
" (Plants) (Globe)	Late summer	4"	4 ft.	3 ft.	2 ft.	1-2 ft.
ASPARAGUS	Third spring.	4"	1-2 ft. in bed.	3"	1 ft.	2-3"
" (Plants)	Next spring.	3-5"	7 or 8 ft.	2 or 3 ft.	4 ft.	20-24"
BEANS, Bush	45-65 days.	1-3"	28-32"	sow 4" thin to 8"	18-24"	2-4"
" Pole	75 days up.	1-3"	36"	4-6"	3-4 ft. hills.	3-4"
BEETS	65 days up.	1/2-2"	20-24"	6-10"	12-15"	2-4"
BROCCOLI	6 months.	1/2"	30-40"	20-24"	24-30"	18"
BRUSSELS SPROUTS	6 months.	1/2"	30-36"	16-24"	24-30"	16-24"
CABBAGE	90-150 days.	1/2"	30-36"	20-24"	24-30"	18"
CARROT	Early	1/2-3/4"	22-28"	3"	12-18"	2"
CALIFLOWER	110 days.	1/2"	30-36"	24-30"	24-30"	18-20"
CELERY	6 months.	1/2"	4 ft.	8"	24"	6"
CHERVIL	Early	3/4"	22"	8"	15-18"	6-8"
CHICORY	4 months.	1/2"	24-26"	6-10"	18-20"	2-4"
COLLARDS	100 days.	1/2-1"	30-36"	15-18"	2-24"	18-24"
CORN SALAD	6 months.	1/2-1"	22"	4-6"	12-15"	4-20"
CORN	80-100 days.	1-2"	36-42"	30-36"	36" hills.	24-30"
CUCUMBER	120 days.	1-2"	6 ft.	4-6 ft.	4 ft. hills	4 ft. hills
DANDELION	6 months.	1/4-1/2"	22-28"	8-12"	12-15"	8"
EGG PLANT	160 days up.	1/2"	30-36"	24-36"	24-30"	24-30"
ENDIVE	100 days.	1/2-1"	30"	8-12"	18-30"	8-10"
HORSE RADISH	8 months.	4"	30-40"	16-20"	24-30"	14"
KALE	45 days.	1/2"	30-36"	18-24"	18-24"	18-24"
KOHL RABI	4 months.	1/2"	24-30"	4-8"	18"	or broadcast in beds 4-6"
LEEK	Late summer.	1/2"	22-28"	6-8"	12-14"	6"
LETTUCE	65 days up.	1/2"	22"	10-12"	15-18"	8" to 10" for heading
MUSKMELON	120-140 days.	1-2"	6-8 ft.	4 ft.	4 to 6 ft. hills.	4 to 5 ft.
WATERMELON	120-140 days.	1-2"	8-12 ft.	8 to 10 ft.	8 ft. hills.	6 ft.
MUSTARD	Early	1/4"	24-28"	4"	12-18"	3"
OKRA	2 1/2 months.	1"	4-5 ft.	24-30"	3 ft.	24"
ONION	135-150 days.	1/2-1"	22-28"	5"	12-14"	4"
PARSLEY	Any time.	1/2"	22-24"	3-6"	12-18"	4"
PARSNIP	4 months.	1/2-1"	24-30"	6-8"	20-24"	4"
PEAS	8 to 12 weeks.	3/4-1"	24-36"	3-4"	16 and 36"	6"
PEPPER	Next spring.	3/4"	24-36"	15-18"	12-15"	14"
POTATO, Irish	July to September.	4-8"	3-3 1/2 ft.	12-18"	30"	18" hills
" Sweet		3"	36"	18"	30"	14"
PUMPKIN	100-125 days.	1-2"	10 ft.	8 ft.	8 ft. hills.	8 ft.
RADISH	30-45 days.	1/2"	22"	2"	12-18"	1 or 1 1/2"
RHUBARB	Second spring.	3"	6 ft.	3 ft.	6-12" in seed bed.	4"
" Roots	Next spring.	3"	6 ft.	3 or 4 ft.	3 ft.	3 ft.
SALSIFY	5 months.	1/2-1"	22-28"	4-5 inches.	12-15"	3-4"
SPINACH	40 to 45 days.	1/2-1"	24-30"	4-6"	12-15"	4 inches
SPINASH	130-150 days.	3/4"	3-4"	6 to 8 ft.	4 to 8 ft. hills.	4 to 6 ft.
TOMATO	8, 65 and W. 150 days.	1-2"	6 to 8 ft.	4-8 ft.	4 to 8 ft. hills.	4 to 6 ft.
TURNIP	150 days.	1/2-1"	6 ft.	6 ft.	5-6 ft.	3 to 6 ft.
"	60-75 days.	3/4-1"	22-26"	6-8"	12-18"	5 to 8"

dening condition. This may be in March or April. Frosts have not passed, and such plants, if not too succulent, will stand a frost.

"Spring" refers to those vegetables which are not so hardy as the above, and which are usually planted later because they do so much better planted later. If for any reason early planting is necessary, they can be put in a week after the foregoing.

"Late Spring," is the time of the year when the ground is well warmed and all frosts are passed. This probably will be in May.

"Early Summer" means planting in June and July.

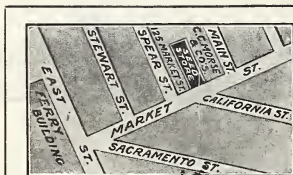
HOT-BEDS EASILY MADE

HOT-BEDS for forcing plants are best made in the following manner: Dig out a space the size of your frame to a depth of two feet. Into this put fresh horse manure mixed with a good deal of bedding straw to a depth of one foot or 18 inches. Tread this down well and on top spread 10 inches of good soil mixed with sand. The frame is just four sides of 1-inch board and made to slope toward the South from 18 inches at back, to 15 to 12 inches at front. The distance from front to back is three feet and the frame is as long as required. Put over this glazed sash, which can be hinged at back. This sash is raised

during the day to prevent the bed over-heating and the plants from growing tall, spindly and weak. The sash must be white-washed or covered with a sack if the sun gets too hot. Sow the seed in rows from front to back and they will quickly start. Care must be taken to give ventilation each day or the plants will damp off, and when ready to plant out, lift the sash higher each succeeding day so as to harden the plants. Water most carefully. Set the frame in a sunny spot sheltered from the prevailing wind.

COLD FRAMES FOR CALIFORNIA

For general California conditions, that is but very slight cold, the bed does not need to be so hot. Mix the fresh horse manure with a good amount of chaff or dry leaves so that it will be less hot. Also sow the seed in little boxes, about 18 by 15 inches, in prepared soil. These boxes make the plants easy to handle and the boxes can be raised and a board put under them if the ground becomes too hot. There is also an advantage in using cloth instead of glass to cover the frames, as this is less liable to let the plants overheat. A cold frame is the same as a hot-bed placed on the even ground, and in which no horse manure has been added to give heat. This is good to start early cabbage and the other early vegetable plants except Egg Plant, Pepper and Tomato.



This diagram shows our store at the lower end of Market Street on the South side, in close proximity to the Ferry Building two short blocks away. Remember the building, No. 125, for Morse's Seeds.

VISIT OUR RETAIL STORE 125 MARKET STREET

This is the place to purchase Morse's Seeds if you can come to our establishment. Here also is a library and a horticultural encyclopedia which are available to all. We hope you will call, but if you cannot, your order will receive the same care as a personal call. All mail orders are filled on the second floor of this building from the same seed used in filling counter orders.

HORTICULTURE BOOKS By the Best Authors

Postage must be added as follows: 5c for books priced at 50c and under; 10c for books priced over 50c to \$1.25; 15c for books from \$1.50 to \$2.00.

<p>A Woman's Hardy Garden. By Mrs. Ely. \$1.75</p> <p>Alfalfa. By F. D. Coburn.75</p> <p>Alfalfa, Book of. Comprehensive. By F. D. Coburn. 2.25</p> <p>American Apple Orchard. All about apple growing. By F. A. Waugh. 1.50</p> <p>Asparagus. By F. M. Hexamer.75</p> <p>Asparagus Culture. Barnes and Robinson.75</p> <p>Broom Corn and Brooms. Old edition at 2c price.25</p> <p>Bulbs and Tuberous Rooted Plants. By C. L. Allen. 1.90</p> <p>Cabbage, Cauliflower, Etc. By C. L. Allen.75</p> <p>California Fruits and How to Grow Them. An authoritative book on California fruit raising. Complete on fruit trees, nuts, berries. Has separate and full chapters on orange and lemon growing, on olives, raisins, grapes and all of the many fruits grown in the State. New edition. By Prof. E. J. Wickson. 3.00</p> <p>California Garden Flowers, Shrubs, Trees and Vines. By Prof. E. J. Wickson, written especially for those who wish to raise flowers and shrubs around their own homes. Contains much information of value. 1.50</p> <p>California Hog Book. By W. S. Guilford.25</p> <p>California Poultry Practice. By Mrs. Susan Swaysgood. 1.00</p> <p>California Vegetables in Garden and Field. By Prof. E. J. Wickson. Tells all about vegetable raising in this State. Prof. Wickson was Dean of the Agricultural College, and is an authority. New edition. 2.00</p> <p>Celery Culture. By W. R. Beattie.75</p> <p>Chrysanthemums, The. By A. Herrington.75</p> <p>Clovers, and How to Grow Them. By Thos. Shaw. 1.60</p> <p>Corn, the Book of. By Herbert Myrick and others. 1.75</p> <p>Cyclopedia of Horticulture, Bailey's Standard. New and revised edition just being published. This is the great American Cyclopedia, extensive and useful in a multitude of ways; 6 volumes. 37.50</p> <p>Date Growing. California's latest industry. By Paul P. Penone. 2.25</p> <p>Dwarf Fruit Trees. By F. W. Waugh.75</p> <p>Encyclopedia, Nicholson's. With colored plates. The standard English work. 4 vols. and supplement. Only 2 sets left and now out of print. 50.00</p> <p>Farm Appliances. G. A. Martin.75</p> <p>Farm and Garden Rule Book. No matter what you want to know about gardening or farming, you will find information about it which is up-to-date and accurate in this Rule Book. A book of value to everyone. 2.50</p> <p>Farm Drainage. H. F. French.75</p> <p>Farm Grasses of the United States. By Wm. J. Spillman. 1.60</p> <p>Farm Manures. Chas. E. Thorne.75</p> <p>Farmer's Cyclopedia of Agriculture. By E. V. Wilcox and C. B. Smith. 3.50</p> <p>Fences, Gates and Bridges.80</p> <p>Ferns. G. A. Nicholson.25</p> <p>Fertilizers. By Voorchies. 1.60</p> <p>Fertilizers and Crops. By Lucius L. Van Slyke, Ph. D. 734 pages. 2.50</p> <p>Flora of Western Middle California. By Prof. Willis L. Jepson of the University of California. 2.50</p> <p>Flowers and How to Grow Them. By E. E. Rexford.75</p> <p>Forage Crops Other Than Grasses. By Thomas Shaw. 1.60</p> <p>Forcing Book. How to force vegetables. By L. H. Bailey. 1.75</p> <p>Forestry, Practical. By A. S. Fuller. 1.75</p> <p>Fumigation Methods. By Willis J. Johnson. 1.60</p> <p>Garden Making. By Prof. L. H. Bailey. Covers the whole subject, laying out and planning small city yards and large suburban grounds, plants, trees, bedding, pruning, vegetables, fruits. 1.75</p>	<p>Encyclopedias by express, collect.</p> <p>Gardening in California. Landscape and Flowers. By John G. Wood, Sup' of Golden Gate Park, and in charge of landscape work at P. P. I. E. 4.50</p> <p>Gardening for Pleasure. By Peter Henderson. Old. 1.75</p> <p>Gardening for Profit. By Peter Henderson. Old. 1.75</p> <p>Ginseng. By M. G. Kains.75</p> <p>Grape Culturist. By A. S. Fuller.75</p> <p>Greenhouse Management. By F. W. Waugh. 2.00</p> <p>Greenhouses: Their Construction and Equipment. W. J. Wright. 2.00</p> <p>Handbook of Plants. By Peter Henderson. 3.00</p> <p>Hop, The. By Herbert Myrick, 283 pages. 1.75</p> <p>Irrigation Farming. By Lucius Wilcox. 2.00</p> <p>Irrigation for Farm, Garden and Orchard. 1.50</p> <p>King's Irrigation and Drainage. 1.75</p> <p>Landscape Gardening. By F. A. Waugh. 1.50</p> <p>Lawns, and How to Make Them. By L. Barron. 1.40</p> <p>Mushroom Culture. By Wm. Robinson. Old Edition.75</p> <p>Mushroom Growing. B. M. Dugger. 1.75</p> <p>Nursery Manual. Prof. L. H. Bailey. 2.50</p> <p>Onion Culture. By T. Greiner.75</p> <p>Peanut Plant. By W. B. Jones.60</p> <p>Plant Breeding. By L. H. Bailey. 2.00</p> <p>Plant Propagation: Greenhouse and Nursery Practice. By M. G. Kains. 2.00</p> <p>Practical Floriculture. By Peter Henderson. 1.75</p> <p>Practical Garden Book. By L. H. Bailey. Tells how to grow and propagate all the common garden plants, both vegetables and flowers, in a clear and helpful way. A good book. 1.10</p> <p>Principles of Agriculture. By L. H. Bailey. 1.40</p> <p>Pruning Book. By Prof. L. H. Bailey. 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A good, satisfactory, practical book with detailed information easily available. 2.00</p> <p>Vegetable Gardening. By Ralph L. Watts. A good and satisfactory book. 2.00</p> <p>Vegetable Growing, Productive. By John W. Lloyd of Cornell University. A thorough Eastern Book. 2.50</p> <p>Vegetable Gardening, Principles of. By L. H. Bailey. 1.75</p> <p>Wheat, The Book of. Full treatise. By E. E. Dondlinger. 2.00</p> <p>Wheat Raising in California. By Mary E. Parsons and Margaret W. Buck. Learn the wild flowers. Nothing will give you more pleasure, and this book is so well written and so well illustrated that anybody can pick out the principal ones. 2.50</p>
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GARDENERS POSITIONS Competent gardeners requiring positions should write to C. C. Morse & Co., San Francisco, Cal. Give plainly name, address, age, nationality, married or single, salary required and where last employed. We will endeavor to find you employment. Notify us of any change of address or position taken so we can make necessary corrections in our books and mail for our catalogue, etc.

Specialities and Novelties

SAN JOSE CANNER TOMATO

The Perfect California Tomato

This Tomato is preeminently the best variety for our climate as compared with all the existing American list. This year among a test trial of over fifty varieties, San Jose Canner produced the sturdiest vine, the best shaped, best colored leaves, the strongest stems and by far the finest, largest, smoothest, best and brightest pure scarlet fruit and the largest quantity of it per given acre. The fruit shows the best arrangement of pulp and seed cells which assures the largest amount of highly flavored, tempered acidity. It is decidedly superior for the canner as well as the house garden.

San Jose Canner was named and introduced by us in 1914. It was propagated and developed, however, by J. F. Pyle, of the well known and popular firm of San Jose canners, J. F. Pyle & Son. Mr. Pyle secured it originally, years ago, from a careful Italian market grower, but Mr. Pyle developed it by selection.

Since it came into our hands we have been constantly at work on it at our Trial Grounds. Each year we select individual plants, well isolated from all other varieties. These plants are always chosen for perfect shape, size, vigor and color, and these must be prolific producers of perfect fruit, chosen for large size, smoothness and must be well ripened to the stem and free from all signs of disease or blemish. From these plants only the largest and most supremely perfect fruits are chosen for our No. 1 selection. Then these fruits are cut open and reselected for perfect cell formation, it being well known by tomato specialists that in the evolution of the fruit, tomatoes have progressed from the old two and three celled fruit to eight and ten cells, and these so distributed that the cells are not long and flat at the margin, causing a thin, soft margin which would cause the fruit to get mushy and the skin to split. After this reselecting of the cut-open fruits, we then choose one model tomato, a perfect specimen which is called the "mother," and the seed from this one solitary fruit is planted carefully and the selecting process carried on the following year.

While the seed from selection No. 1, the second year, is sent to our Tomato Specialist to grow our general crop, all of our "mother" fruit progeny is kept on our own grounds and all of our selecting and development work is done by ourselves.

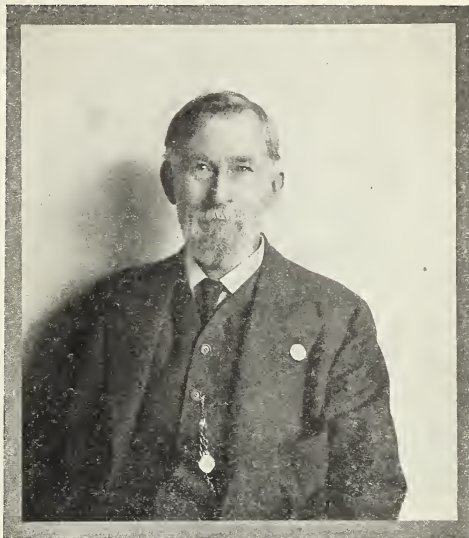
Our work has been rewarded, since the most careful Tomato growers and the most critical canners come to us for their seed in very large quantities, and to their credit we are pleased to inform our readers they tell us frankly that it is quality they want and they offer no criticism as to price. They seem to realize what this work costs us and are willing that we should be properly rewarded. After all, it only takes one ounce of seed to produce plants enough to set an acre.

*You can get this finest pure strain of San Jose Canner
Tomato only direct from us.*

Per Packet 15c; $\frac{1}{2}$ oz. 45c; oz. 70c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.00.

Hand Selected Stock. We have a small amount of seed from fruit, each one of which is selected as a perfect specimen.

Per oz. \$1.00; $\frac{1}{4}$ lb. \$3.00; lb. \$10.00.

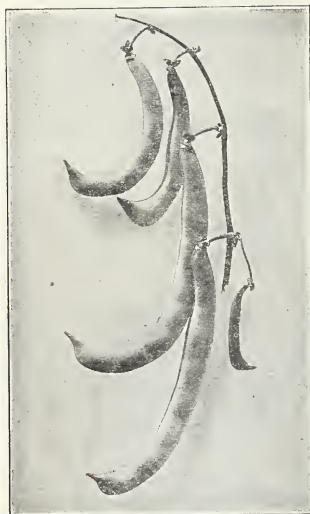


Mr. J. F. Pyle of San Jose



Showing the perfect arrangement of cells in Morse's San Jose Canner Tomato

Novelties for 1920. C. C. Morse & Co.



Morse's Tender-Pod Bush Bean

MORSE'S TENDER-POD BEAN

IS ABSOLUTELY STRINGLESS

Instead of telling you what we think of this splendid new sort, we are going to let those speak who have tried this bush bean.

Napa, Cal.

"The Tender-Pod Beans have proven most satisfactory in every respect. They are of most delicious flavor, large in size, stringless, and of pleasing color, being a light sage green. The bush is a vigorous upright grower of a rich dark green color, almost attractive enough for ornamental purposes, and at the same time a heavy cropper."

F. L. McD.

San Jose, Cal.

"I find them (Morse's Tender-Pod Beans) to be of excellent quality, a vigorous grower, hardy and yielding well, with well formed beans; they cook well, and are delicious. They come nearest of all the bush beans to the quality of that standard of pole beans—the Kentucky Wonder—of anything I have seen. It is something every one should have in their garden."

G. A. R."

Sacramento, Cal.

"I gave the Stringless Beans you sent to me a thorough test, and found them at all stages of growth absolutely stringless. Five friends, to whom I gave some of my crop, also gave high approval of them. The bean is a heavy cropper of large sized flat pods and of excellent flavor."

R. A. R."

Redwood City, Cal.

"Morse's Tender-Pod Bush String Beans are the best yet. No other bush bean for me hereafter, and they are very prolific."

F. E."

Jackson, Cal.

"The packet of bean seed you kindly gave me this Spring was just fine. I gathered 6 lbs. from them in two pickings. Not a string, and delicious. Would like the name, to order more for next year. I thank you very much."

Mrs. J. F."

Pkt. 20c. lb. 50c. 10 lbs. \$4.50

FRENCH GREEN BEAN (Haricot Verts)

In 1918 we introduced this splendid bean. Last year, because of poor crops, we could not supply any seed, and had to leave this variety from our list, to the great disappointment of many of our customers.

The French Green Bean is prized all over France as a delicious flavored shelled bean, either green or dry. It has a thin skin, is light greenish white in color, and is most attractive and delicious when cooked. It is as good as a string bean if picked when young, but as a shelled bean, it is famous. Plant is of bush type.

Pkt. 20c. lb. 50c. 10 lbs. \$4.00.

GREELEY WONDER, MUSKMELON

"What is this melon?" exclaimed an excited produce merchant, who came into our store one day. "It sells for a dollar more a crate than others, and the buyers are eager for them." He wanted to get some seed to plant next year.

Greeley Wonder is an unsurpassed home garden melon, too, and perfect for a shipping sort. Round, medium, early, and flesh the brightest orange clear to the rind and most delicious in flavor. A prolific variety, and one which should be in every garden.

Pkt. 15c. Oz. 80c. 1/2-lb. \$1.25. Write for prices on larger lots.

GIANT MARROW KALE

This yields a great amount of green feed either for cattle or for poultry. Each leaf has a stem which is thick and succulent. These leaves may be pulled off as they grow and fed. The kale grows about 5 feet high and as it matures the stem swells, and will be found to be filled with a very rich marrow. A most nutritious and excellent cattle food. These stems are stored in cold countries in frost proof sheds for winter feeding.

The culture is the same as for cabbage. For a continuous crop of leaves keep the seed stems cut off as soon as they appear. Collards is most like this new kale, but Giant Marrow Kale will yield over four times as much in leaves.

Pkt. 10c. Oz. 50c. 1/4-lb. \$1.50. lb. \$5.00



Giant Marrow Kale

WATERMELON, IRISH GREY

This new melon is very productive, and is a great shipper. Irish Grey is oblong, and when well grown averages about 30 pounds in weight. The skin is a yellowish gray and very tough. The flesh is bright pink, the same as most "red" watermelons, and is very firm but not hard or stringy, and is of good quality.

Irish Grey will ship to any market, even Boston, and arrive in perfect condition. There will be no poor melons when they get into the customer's hands. Notice in the photograph how this melon can be sliced thin and still not have the flesh break because it is so firm. That slice is $\frac{1}{2}$ inch thick.

Irish Grey is a new and valuable shipping melon and extremely productive of good melons.

Pkt. 10c. Oz. 25c. $\frac{1}{4}$ -lb. 75c. lb. \$2.25.



Irish Grey Watermelon

WOOLLY-PODDED WINTER VETCH (Vicia dasycarpa)

"This is quite similar to Hairy Vetch, and might be easily mistaken for it, although the leaves are less hairy. The flowers are purple in color, quite fragrant, and the plant matures two or three weeks earlier than Hairy Vetch. It may be used in very much the same way and not found inferior to it, although it makes its growth early in the season during cold weather."—The State College of Washington.

"Woolly Podded Vetch is closely related to Hairy Vetch and is equally hardy. Wherever we have tested it alongside of purple vetch and common vetch as a cover crop it has done equally as well. It bears numerous dense clusters of fragrant flowers that attract bees in great numbers. It matures from 2 to 3 weeks earlier than Hairy Vetch and earlier than common vetch.

"As a winter grower in California, both in the north and south, it will equal if not surpass any of the vetches. We can recommend it very highly for forage and for a cover crop."—P. B. Kennedy, Grass and Forage Plant Investigations, University of California, Berkeley, California.

If you want an extra strong-growing cover crop try this new winter-growing Vetch. Grows easily, stands cold, and matures early. It will add hundreds of dollars' worth of fertilizer to your soil.

Per lb. 40c; 10-lb. \$3.50; 100-lb. \$30.00.



Sweet Fodder Sudan

SWEET FODDER SUDAN GRASS

Produces an immense tonnage of extremely rich and palatable fodder, ideal for silage or direct feeding as fodder. Developed by Richard Diener, plant breeder, from the now well-known Sudan Grass. Its amazing forage production, combined with abundance and richness of the seed, proves it to be the Forage beyond compare. Planted in the San Joaquin Valley in three-foot rows and suitably irrigated, plants developed normal height of 9 to 10 feet, stems abundant and branching, heads long, heavy, numerous and rich.

Sweet Fodder Sudan has stems nearly as sweet as sweet sorghum, but tender and eagerly consumed by stock even when fully ripe. Quick maturing like other Sudan, and when kept irrigated will continue to send out side stems and new heads till frost, or can be cut and will make new growth.

Seed was ripe in July from April planted crop; this seed planted first week in August, made 7 to 8 foot plants for forage before frost. Typical plant, early September test gave 20 stems, $\frac{5}{8}$ inches or less in diameter, 50 mature heads weighing 31 ounces, 13 of them weighing a pound, and 18 green heads weighing 2 ounces each; cut and topped fodder 6 to 8 $\frac{1}{2}$ feet long weighed 7 pounds. Farm stock ate every particle. Seed large; chicks and grown fowls love it. Two pounds in 3-foot rows will seed an acre.

Per lb. \$1.00; 10 lbs. \$9.00; 100 lbs. \$80.00.

MORSE'S Vegetable Seeds 1920

Prices Reduced to 5c per Packet.

PRICES ARE POSTPAID TO THE 4TH ZONE ON SEEDS AT OUR OUNCE; ¼ LB., POUND AND 10 LB. PRICES.

The proper distances to set rows of the different plants in gardens will be given with each sort. Do not overcrowd but leave space for good development. Sow small seeds of vegetables not over ½ inch deep and keep soil regularly moist by watering. The proper depth to sow is given in the table on pages 4 and 5. Remember that no seed can come up through a crust caused, for instance, by a north wind. Replanting in such a case will probably be necessary. Plants which require heat will not start in damp, cold ground; wait till conditions are better or choose another situation. Firm the soil after planting. Watch for cut worms and slugs. Keep the ground cultivated and crops growing fast; this means tender vegetables.

Well known standard varieties which have been thoroughly tried and can be depended on are indicated by larger type.

ARTICHOKES

Artichokes are cultivated for the edible bud, which resembles a giant thistle. The plants want a very rich soil and plenty of moisture. In California the seed should be planted in boxes in January and the young plants transplanted in March or April. While plants usually bear for five or six years, it is advisable to start new ones occasionally. They do not, however, come wholly true from seed, and it is necessary to discard a good many plants, using the best ones only for propagating. Plants bear next spring; the seed in two years. Set three feet apart in three to five foot rows.

Jerusalem or Tuberous-Rooted Artichoke. Entirely distinct, and grown exclusively for their large potato-like roots, which are valuable for feeding hogs, the yield often exceeding two tons per acre. The tubers are also an excellent vegetable. Can supply January to March only. Plant 5 sacks per acre. **Per lb. 20c; 10 lbs. \$1.50; 100 lbs. \$5.00.**

LARGE GREEN GLOBE. The most popular variety. Buds large, globular, deep green. Weight, 1 lb. each, or 4 lbs. per doz. **Pkt. 10c; oz. \$1.25.** Strong roots of this variety, packed, 15c each; \$1.25 per dozen. Postage 20c doz.; best sent by express.



Artichoke—Large Green Globe

ASPARAGUS SEED and ROOTS

To raise plants from seed about one pound per acre is required, or one ounce for about 800 plants. Sow early in the spring in drills 12 to 14 inches apart and thin to about three inches in the row. Allow the plants to grow two full seasons and then transplant to permanent beds. It requires about 3000 plants to set an acre. When set out for crop, in the field or in beds, they require plenty of room, since the plants spread from the root, and therefore grow larger each year. In the field the

rows should be from 6 to 10 feet apart and in the home garden 4 feet.

During the spring all the shoots must be cut as fast as they reach the surface. Later in the season all the shoots should be allowed to run to seed, and in the autumn all the tops should be cut off and burned and the land thoroughly cleaned up, and a good dressing of manure and wood ashes and sand should be spaded into the beds.

Barr's Mammoth. A favorite with market gardeners. Shoots very large, tender, quick growing and thick to the top.

Pkt. 5c;
oz. 10c;
¼ lb. 30c;
lb. 90c.

COLUMBIA MAMMOTH

WHITE A large thick variety; very white, even above ground; will yield 80 boxes or 4,000 lbs. per acre when in its 4th year. **Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.**

Conover's Colossal or

Bouldin Island A standard variety for all purposes, especially for canning. Good also for home growing. It is the popular variety formerly used on Bouldin Island and other river points in California where it is

canned in immense quantities. It makes large, thick white shoots of delicious flavor, and we recommend it as the best variety for all purposes.

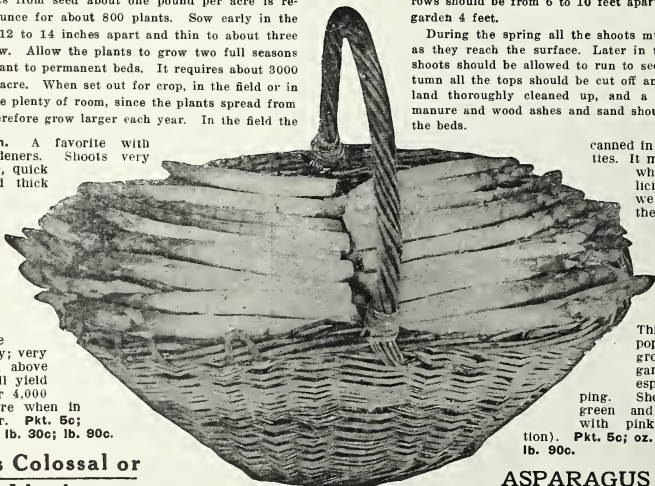
Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.

Palmetto

This is the most popular variety grown for general garden purposes, especially for shipping.

Shoots are light green and tinted slightly with pink (see illustration).

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c.



ASPARAGUS ROOTS

(Weight estimated at 5 lbs. per 100)

Large, vigorous roots of Palmetto and Colossal 25c per doz., postpaid; \$1.10 per 100, by freight, prepaid as per our special offer. \$6.00 per 1000.

BEANS DWARF OR BUSH GREEN PODDED

Our packets sell for 15c, but remember that you get 15c worth and not 1 ounce of seed as in some packets selling for 5c or 10c. See page 13 for Cultural Notes. These Prices are postpaid t the 4th Zone. Write for special prices on larger lots than here quoted.

Black Valentine. A long-podded green variety, recommended for shipping and for table. Pods are straight, early and of good quality when young. Seed black. This variety is popular in some sections on account of its exceptional blight-resisting qualities. **Pkt. 15c; lb. 35c; 10 lbs. \$3.00.**

Early Mohawk. A very hardy bean, but the pods have such strings that we recommend planting other sorts. **Pkt. 15c; lb. 35c; 10 lbs. \$3.00.**

English or Broad Windsor. This is not a string bean of any sort, but a very well-known, popular variety with many farmers. Familiarly known as the Horse Bean. **Pkt. 15c; lb. 20c; 10 lbs. \$1.60; market fluctuates. Write for prices on larger quantities.**

Extra Early Red Valentine. A popular variety; erect vine with dark-green leaves. Pods of medium length; fleshy, round and saddle-backed, with only slight strings. Seed pink, marbled with red. **Pkt. 15c; lb. 35c; 10 lbs. \$3.00.**

Extra Early Refugee. A very early, green-podded variety, with medium-sized, green, fleshy pods; seed drab, freely spotted with dark purple. Their color is lighter than most of the green beans. **Pkt. 15c; lb. 40c; 10 lbs. \$3.50.**

FRENCH STRING BEAN, or Wonder of France. A hardy green-podded variety, with black seed. Is a good shipper. A great many of the string beans in the San Francisco markets are of this kind. **Pkt. 15c; lb. 35c; 10 lbs. \$3.00.**

Morse's Selected Refugee or 1000 to 1

If there is any dwarf bean so prolific as Morse's Selection of Refugee we have never heard of it. As many as 150 pods are found on one vine. These pods are long and green, becoming lighter in color as they mature. Not an extra early bean, but a hardy one and an extra heavy bearer. Its quality is good. **Pkt. 15c; lb. 35c; 10 lbs. \$3.00.**

MORSE'S TENDERPOD. Absolutely stringless novelty. See page 8. **Pkt. 20c.**

White Tepary Bean. A wonderful new shell bean for dry localities. Quality excellent. Beans are pure white and a little smaller than the well-known "Small Whites." **Pkt. 15c; lb. 20c; 10 lbs. \$1.20. Write for 100 lb. prices.**

Morse's Selected Stringless Green Pod

Has the very best quality. We have made a selection of this favorite bean, which is absolutely stringless. Nor have any of its good qualities suffered. The pods are very tender and of the best quality—thick and meaty and long. The plants bear well and is a variety which will more than give satisfaction. Seed brown. **Pkt. 15c; lb. 40c; 10 lbs. \$3.50.**



BEANS

DWARF OR BUSH WAX PODDED

Packets are large size, containing mostly 4 ounces, and are postpaid to 4th Zone



Davis White Wax Beans

These dwarf beans have creamy white, yellow or golden-yellow pods. Most of the varieties listed are stringless. The choice of wax or green podded varieties is purely a matter of choice. Both classes are easily grown. In regard to sending by express, freight or parcel post, see page 3.

Challenge Black Wax. One of the standard wax beans. Of excellent quality and very prolific. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

DAVIS WHITE WAX. The most hardy and productive wax-podded variety. The pods are very long and yellow, and while not stringless, it is a remarkably good bean for shipping; seed white, and on this account is desirable for a shelled bean in winter. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

Improved Rust-proof Golden Wax Quite rust-proof and rather harder than Golden Wax, and the pods are broader and fatter; seed white, somewhat spotted with purplish red. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

Morse's Golden Wax One of the best and handsomest beans in cultivation. Pods are long, nearly straight, broad and flat, and golden yellow; seed white, more or less covered with two shades of purplish red. None will be found better in all ways than our selection of Golden Wax. Pkt. 15c; per lb. 40c; 10 lbs. \$3.50.

PROLIFIC BLACK WAX. An improvement on the old Black Wax or Butter bean. Very vigorous and prolific; pods fairly long, golden yellow, very brittle and stringless; seed black. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

POLE OR RUNNING

GREEN AND WAX PODDED For the Home Garden

These beans require a pole or trellis to climb on, if planted in the garden, although when raised as a seed crop in the open field they need no support whatever. Pole beans are usually very prolific, and bear longer pods and a great many more of them than the bush varieties. For home garden use set the poles well in first scrape the soil away to a depth of two inches and irrigate well. Then plant 5 to 9 beans in each hill, covering to a depth of one inch. Save only the best three or four plants. Pole beans will continue bearing long after the earlier bush varieties have ceased. Hills should be three to four feet apart each way.

BURGER'S GREEN POD STRINGLESS POLE, or White Seeded Kentucky Wonder. A new pole variety of great merit. Beans long, brittle stringless pods of excellent flavor. It rivals all other pole beans and is destined to become the most popular of all; pods green. Pkt. 15c; lb. 35c; 10 lbs. \$3.00.

Horticultural or Speckled Cranberry. An old favorite. Pods short, pale green, becoming splashed with brownish red. Seed bluish pink, spotted with red. Valuable either green or dry shelled. Pkt. 15c; lb. 35c; 10 lbs. \$3.00.

Indian Chief or Tall Black Wax. A black-seeded wax variety with thick, golden-yellow pods. Very hardy and prolific, and the most popular of the whole pole wax beans. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

Kentucky Wonder or Old Homestead

The best and most popular of the pole varieties and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy, dark green in color and absolutely stringless. Pkt. 15c; lb. 35c; 10 lbs. \$3.00.

KENTUCKY WONDER WAX. An excellent variety and one of the very best pole beans. The pods are long, very thick, meaty, deeply saddle-backed, entirely stringless and bright yellow in color. The vine is thrifty and very prolific. Seed deep brown. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

Lazy Wife. A green-podded variety bearing good, long pods in clusters; stringless and of peculiarly fine flavor; seed rather large, thick and white. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

SCARLET RUNNER. The well-known and old-fashioned climber, having bright scarlet, pea-like flowers. It not only holds its place as a flower, but the pods when young are of fine quality for cooking. Seed large, bright scarlet, heavily blotched with purple. Scarlet Runners bear well in San Francisco, where the climate is very cool. Pkt. 15c; lb. 40c; 10 lbs. \$3.50.

White Creaseback. An early, green-podded variety. Pods five to six inches in length, deeply creased or saddle-backed, and borne in clusters. Are very fleshy and stringless; seed white and can be used as a shelled bean for winter use. Can often be grown without poles. Pkt. 15c; lb. 35c; 10 lbs. \$3.00.

White Dutch Case Knife. A climbing variety with long, flat, irregular pods, which become creamy white as they mature; seed broad, flat and clear white. Pkt. 15c; lb. 35c; 10 lbs. \$3.00.

Your garden can be made to produce more by planting more. Make plantings in your garden 3 or 4 more times each year, then you will have fresh vegetables at all times.

For a Stringless Bush Bean—one that is really fine—use Morse's Tender-Pod, introduced this year.

See descriptions on Page 8.

CULTURE FOR BEANS

Beans require a light, friable soil, with plenty of moisture, and are very sensitive to frost. In California they should not be sown earlier than April 15. In the garden the soil should be made mellow and rich, and kept so, and all pole varieties should be provided with poles or a trellis on which to climb. For a garden crop plant string beans in succession every four weeks throughout the season. Sow in rows 18 inches to 24 inches apart, and cover from 1 to 2 inches deep, but not more. Keep the pods picked and the vines well watered and the beans will continue bearing much longer than if the vines are allowed to become dry. Hoe the rows occasionally.

For farm crop plant about 25 pounds pole beans per acre, in rows 36 inches apart; plant bush beans about 35 pounds per acre in rows 24 inches apart. Heavy clay or adobe soils are not best for beans. For the home garden there should be a succession of five or six varieties to provide the table with early, medium and late beans. Use one pound of seed for 100 feet or rows.

LIMA BEANS

Lima beans are delicious when used green shelled, and can be grown for this purpose in any climate. The dry ripened bean is also a staple article of food for winter use, but in California these beans ripen only from San Luis Obispo County and south to Pasadena. The best territory for seed beans we believe to be Santa Barbara and Ventura counties, where we grow our stock. Sow bush sorts in 24-inch rows and pole varieties in hills 4 feet each way. Sow late after ground is well warmed in spring. Limas will not thrive planted in over-moist soil. Have the ground well prepared and well warmed, but do not water when planting.

BUSH VARIETIES

Burpee Improved Bush This bean produces magnificent crops of pods, which measure from five to six inches long by one and one-quarter inches wide. As compared with the original Burpee Bush Lima, both pods and beans are very much larger, while the beans, either green or dry, are nearly twice as thick. The beans have the same luscious flavor as the best flavored Limas, and are ready to use six to eight days earlier. It will outyield the Burpee Bush Lima by fully one-third, this greater yield being due to the increased size of pod and beans. The dried beans are very handsome and generally show a greenish-white coloring. **Pkt. 15c; lb. 50c; 10 lbs. \$4.50.**

BURPEE'S BUSH. The best-known late dwarf variety. Plants 18 to 24 inches high; very prolific. Pods large, and the beans are also large and heavily ribbed. Will bear until stopped by frost. **Pkt. 15c; lb. 50c; 10 lbs. \$4.50.**

Dreer's Bush or Kumerle. These beans are medium sized and round or thick. The plant does not grow upright, but spreads or trails over the ground about three feet in diameter. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

Fordhook Bush There are from three to five beans in each pod, with an average of four. The beans are round and thick, like those of Dreer's Bush, and have the same mild, delicious flavor. **Pkt. 15c; lb. 50c; 10 lbs. \$4.50.**

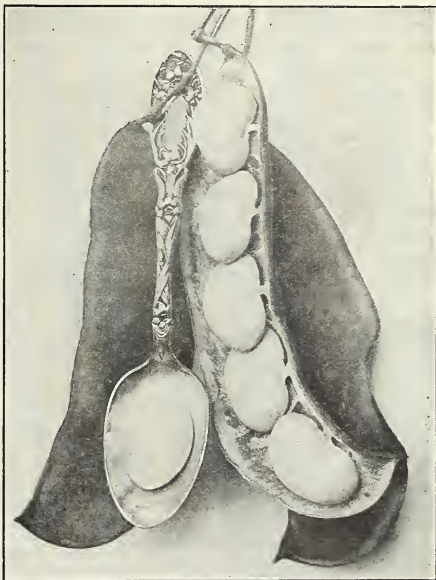
Henderson's Bush. The earliest variety we have, being fully two weeks earlier than any other variety. Plant about 16 inches high and very prolific. Beans are small and are used for canning. Especially recommended for planting in the North and where the season is short. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

POLE VARIETIES

Challenger, or Dreer's Pole. A splendid pole variety, quite early, very prolific and of very fine quality. The pods are borne in clusters, and the beans are short and thick, almost round, and crowded so closely in the pod that the ends are flattened. A very popular variety with market gardeners. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

EARLY LEVIATHAN. One of the newer varieties and the very best pole variety in cultivation. Vine very tall and strong; pods long and borne in clusters; beans large and white. Is early, strong-growing and prolific. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

King of the Garden One of the best and most popular main crop varieties. It is medium early and has very long pods, 5½ to 6½ inches



King of the Garden Lima Beans

long, which are well filled with four or five good-sized beans. The pods are very straight and handsome, and the fine, bardy vines bear abundantly. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

Siebert's Early. A standard early variety, with good-sized pods and large beans. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

The following is a bit of truth gleaned from a prominent horticultural paper:

“For example, the marked difference in freshness and table quality of the home garden grown vegetables as compared with the same article purchased in the average store is of itself sufficient to justify the effort and make the labor involved well worth while.

Some up-country folks have a saying, ‘The pot should be boiling before you pick your corn.’ This say has a solid basis of fact, for sweet corn will lose 50 per cent of its sugar and consequent sweetness of taste in twenty-four hours after gathering. If you doubt this, just pull a dozen ears of corn at 11 o'clock, cook six for the noonday meal and let the other six lay on the cellar floor and cook the next day. The same in more or less degree applies to almost everything we grow.”

BEETS

*Eat when
young direct
from garden*

FOR TABLE AND FARM

Beets are divided into three classes—TABLE, MANGELS or STOCK-FEEDING, and SUGAR.

For table use the seed can be sown in California any time after January 1st, and a light sandy loam is preferable for good shaped roots of good color. The soil must be rich and moist to get a quick growth, which is essential to crisp, tender flesh. Sow in rows 12 to 18 inches apart and thin by using the small beets for greens until they stand 3 to 4 inches in the row.

TABLE VARIETIES

Crosby's Egyptian More globe-shaped than Extra Early Egyptian, and the best known and most popular variety; is very early and of fine quality. Bright red with clear vermilion flesh. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

Detroit Dark Red An extra fine beet, and the one we recommend for all garden purposes. Globe-shaped; bright, but rich red flesh. Tops small and green. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

EARLY ECLIPSE. A fine, early table beet, top-shaped or tapering, globe-shaped. Flesh deep crimson, zoned with pink. Crisp and sweet. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Extra Early Blood Turnip. A good variety for summer and autumn use. Is turnip-shaped, with bright red flesh, showing zones. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

Half Long Blood. A half-long variety about eight inches long and tapering abruptly. Very rich, deep red flesh of fine quality. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Extra Early Egyptian. A turnip-shaped variety with dark-red flesh, showing zones of a lighter shade. Dark leaves; a good table beet and very early. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

LONG SMOOTH DARK BLOOD. A very desirable variety for light soils, where roots are easy to dig. Skin very dark brownish-red. Flesh deep blood-red. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.

Morse's Improved Blood Turnip A turnip-shaped beet with deep red flesh. Tops green. A fine selected strain. The quality of Morse's Strain is unusually good; the texture being fine and even, and the roots superior in every way. We recommend this as a most excellent sort for either home garden or market planting. The beets are regular and of finest appearance. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.



Golden Tankard Mangel Beet



Eclipse Beet

Morse's Improved Globe A new globe beet, for table. Color is vermilion throughout, which is retained after being cooked. This variety has dark green leaves and very smooth roots of exceptionally fine texture. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

MANGEL WURZEL, OR STOCK BEETS

FOR STOCK FEEDING. For main crop sow about March 1st in rows 22 inches apart, using five pounds of seed per acre. To get good, large and uniform beets, the plants should be thinned when in the fourth leaf to six inches apart in the row.

Write us for low prices on 25 lbs. and up.

Champion Yellow Globe. A large round, orange-yellow variety. Good for shallow soils. Pkt. 10c; lb. 80c; 10 lbs. \$7.50.

Giant Yellow Intermediate or Gate Post. A yellow-skinned variety with white flesh, zoned with yellow. Large and ovoid shape. Pkt. 10c; lb. 80c; 10 lbs. \$7.50.

GOLDEN TANKARD YELLOW-FLESHED. This popular variety we can supply later. Use our Giant Yellow Intermediate in the meantime. This is a little longer and slimmer. It has the same fine characteristics of the yellow mangel. Pkt. 10c; lb. 85c; 10 lbs. \$8.00.

Mammoth Long Red The largest of all the mangels and the heaviest cropper. Skin is red, flesh white, zoned with red. This variety produces a larger amount of good feed than any other beet, and is recommended as superior to all others. Pkt. 10c; lb. 75c; 10 lbs. \$7.00.

Red Globe. A large globe-shaped variety with red skin. Flesh white, zoned with pink. Pkt. 10c; lb. 85c; 10 lbs. \$8.00.

Yellow Leviathan. A large yellow, olive-shaped variety, with clear, white, brittle flesh. The root grows partly out of the ground, rendering it easy to dig. Pkt. 10c; lb. 90c; 10 lbs. \$8.50.

SUGAR BEETS

GIANT HALF-SUGAR, GREEN TOP, for Feeding Stock. A beet which is superior to mangels for stock-feeding purposes, as it is more nutritious, having a large amount of sugar. It is oval in shape and grows partly out of ground. Is of large size and yields enormous crops. Pkt. 10c; lb. 80c; 10 lbs. \$7.50.

SUGAR BEETS—Continued.

Klein Wanzleben. For sugar-making; containing a large percentage of sugar. Pkt. 10c; ¼ lb. 45c; lb. \$1.50.

Lane's Improved Imperial Sugar. Large thick, tapering variety. Yields almost as much as mangels. Is sweet and rich and very desirable for stock. Pkt. 10c; lb. \$1.50; 10 lbs. \$14.50.

Vilmorin's Improved Sugar. The best variety for growing for sugar-making. Pkt. 10c; ¼ lb. 45c; lb. \$1.50.

WHITE SUGAR ROSE TOP. For feeding stock. A very hardy variety producing large crops with little care. The root is large and very rich in sugar, and while not sufficiently so for sugar purposes, it makes a remarkably fine, rich food for stock. Pkt. 10c; lb. 80c; 10 lbs. \$7.50.

SWISS CHARD OR SEA KALE BEET

Nothing will produce more greens of a delicious quality than Swiss Chard. The same plants soon sprout after cutting and give several crops each year. The broad stems are used for salad like asparagus. A prolific and much-used greens for chickens.

Large Ribbed White. Sometimes called Spinach Beet. Used for greens for chickens by cutting the stem and leaf, which are also very ornamental. It resembles an ornamental beet top, but has no edible root. May be used as a salad or cooked as greens. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

GIANT LUCULLUS. A new variety with handsome crumpled and savoyed leaves. It has thick leaf stalks which are delicious cooked and eaten as asparagus. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

BROCCOLI

Should be treated the same as cauliflower, which it resembles. In fact it is practically a summer cauliflower, more divided in the head, grows larger and taller and is hardier and easier to grow. It requires two months more time and matures best in cool weather. Plant and cultivate the same as cahhage or kale and give plenty of water.

EARLY LARGE WHITE. The best variety. Heads white and large. Pkt. 5c; oz. 60c; ¼ lb. \$2.00.

Purple Cape. Good, large heads, which are tinged with purple. Pkt. 5c; oz. 60c; ¼ lb. \$2.00.

ST. VALENTINE. Forms splendid large heads, and is very largely grown in Oregon and shipped East. Pkt. 15c; oz. \$1.50; ¼ lb. \$4.50; lb. \$15.00.

BRUSSELS SPROUTS

The plants are very hardy and grow from two to three feet high, bearing a large mass of leaves at the top. The sides of the main stem are covered with three or four dozen small cahbage heads, which are broken off and cooked the same as cahbage. The sprouts mature in succession. Sow early so as to have well-grown plants by fall. Cultivate the same as for cahbage.

AIGBURTH. Cooper's Selected. Our splendid recent introduction. One of the most highly recommended of the Half Dwarf varieties. This strain is specially selected and runs even in height of plant, and bears uniformly throughout. The side buds are perfectly formed, tight heading little cahbages. Pkt. 10c; oz. 40c; ¼ lb. \$1.20.

IMPROVED HALF DWARF. A well-known variety. Grows 2 or 3 feet high and the stem is well covered with small, firm, round sprouts. Pkt. 5c; oz. 30c; ¼ lb. 90c.

Brussels Sprouts, Algburth



Chinese Cabbage Wong Bok

CHINESE

OR CELERY CABBAGE

The culture for Wong Bok is the same as for Winter Cabbage. The seed should be sown in July or early August, and early in September the plants should be transplanted. They should be set one foot apart in the row and pushed down one and one-half inches in the ground. When well grown the plants should be blanched by tying closely with burlap. Any good soil is sufficient, but they seem to head up best on rich black adobe soil.

Wong Bok

Has a mild cahbage flavor, very delicate and delicious. It makes delicious slaw; also a very fine salad. When cooked Wong Bok makes greens delicately cahbage-flavored and not at all like hoiled cahbage. It blanches to almost clear white. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

RED CABBAGE

Mammoth Rock Red. Best hard-headed red variety. Large heads, globular; very solid and very deep red on top. Outer leaves greenish-red, large and spreading. Especially used for pickling and preferred by many. Pkt. 10c; oz. 70c; ¼ lb. \$2.10; lb. \$7.00.

SAVOY CABBAGE

Perfection Drumhead Savoy. A variety that is much prized in Europe and also by those who are familiar with it in this country. It is very sweet and crisp, and always tender. Heads medium sized and fairly compact. Pkt. 10c; oz. 80c; ¼ lb. \$1.80; lb. \$6.00.



CABBAGE

*Easier to raise
at home than
most people think*

Good cabbages are to be had at all seasons of the year in some parts of the country, and seed can be planted almost any time of the year. There are three good seasons for sowing the seed, however—in September for late winter and early spring cabbages, in March for summer and fall cabbages, and in June and July for winter cabbages. The seed sprouts quickly, and is likely to come up very thick in the seed bed. It should be thinned early and each plant given plenty of space or the plants will become spindly, and then do not head well. Never let the plants get checked by drouth. Transplant to the field when 4 to 5 inches high, and press the soil closely about the plants. They should be put 18 to 24 inches apart, in rows 24 to 36 inches apart. To prevent the heads splitting open in the field before they are ready to be harvested, the plants should be loosened a little at the root. Cabbages require considerable moisture, but too much water causes them to rot very readily.

EXTRA EARLY VARIETIES

Early Jersey Wakefield

One of the best and most popular early varieties. Forms round, pointed heads of good size. Is very hardy and on account of its thick outside leaves is able to resist cold and other unfavorable conditions to a great extent. Pkt. 5c; oz. 70c; ¼ lb. \$2.10; lb. \$7.00.

Early Spring. Very early flat-headed variety. Medium sized; good for summer use. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Early Winnigstadt

A decidedly pointed head of good size and fine quality—the most sharply pointed of all cabbages. One of the hardest varieties, resists cold, wet and insect pest to a degree which makes it very desirable. We recommend it as one of the best early varieties. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Large Early Wakefield (Charleston). Is very similar to Early Jersey Wakefield, but nearly a third larger and a little later. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$5.75.



Early Winnigstadt Cabbage



Premium Late Flat Dutch Cabbage

SECOND EARLY VARIETIES

ALLHEAD EARLY. One of the best early, large, flat-headed varieties. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$5.75.

Copenhagen Market

Undoubtedly the best cabbage for all conditions; grand for market growing and not equalled for home gardening. The heads are of good, medium-sized, firm and round. The variety is a sure header, which is worth a lot. After once planting this variety you would not change for any other. Morse's stock is the finest there is, direct from the originator. Pkt. 10c; oz. 85c; ¼ lb. \$2.50; lb. \$8.50.

EARLY DRUMHEAD. Second early; round, flat heads. Pkt. 5c; oz. 60c; ¼ lb. \$1.80; lb. \$5.75.

Early Dwarf Flat Dutch. A good flat-headed variety, with short stem and hard, firm head. Forms heads early; is valuable for summer. Pkt. 5c; oz. 50c; ¼ lb. \$1.50; lb. \$5.50.

Fotter's Brunswick. One of the most popular of the flat-headed types, especially with the home gardener. Best for fall and winter. Pkt. 5c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Henderson's Succession. Is about ten days later than Early Summer. Is a dwarf, flat head, light-green, and very solid. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Henderson's Early Summer. A desirable, medium sized, early flat-headed variety. A good keeper and does well in summer and autumn. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.50.

Morse's Selected Early Flat Dutch

An early hard-heading cabbage of bright turquois green. Morse's Strain has been selected for its sure-heading qualities and for its earliness. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

WINTER VARIETIES

Autumn King, or Worldbeater. A beautiful winter variety of vigorous growth and extra large. Solid heads of bluish-green. Probably the largest cabbage of all. Pkt. 10c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.

Burpee's Surehead. One of the best varieties. Large, round, slightly flattened head; hard and firm. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Danish Ball Head or the Hollander A very late variety, forming globular heads; very hard and solid. Keeps well and is a good shipper. The color is bluish-green. Pkt. 10c; oz. 85c; ¼ lb. \$2.50; lb. \$8.50.

DANISH ROUND HEAD. A short-stemmed "Danish Ball Head," having all the good qualities of its progenitor and being nearly two weeks earlier; a main crop variety. Pkt. 10c; oz. 85c; ¼ lb. \$2.50; lb. \$8.50.

PREMIUM FLAT DUTCH. A well-known, large, late variety. Flatish round heads, very solid and firm; has rather tall, stout stem. Pkt. 5c; oz. 60c; ¼ lb. \$1.50; lb. \$5.50.

We carry Cabbage Plants at various seasons. See list on page 36.

*Plant every 4 weeks
during the year*

CARROTS

FOR TABLE
AND STOCK

Good, sandy loam is best adapted for carrots of all varieties. The shorter varieties, however, can be sown on heavier lands, with good results. For garden, sow the early and short varieties at any time after January 1st and repeat often for a succession of tender roots. For general crop sow in the open field about April 1st, using four to six pounds per acre for rows sixteen to eighteen inches apart. While you get a good uniform root by thinning the young plants, it is not necessary to do so to get a crop of good, average carrots. Keep the soil hoed and the crop growing rapidly. No bugs or blights affect carrots, and every garden needs some.

Chantenay, or Model. An excellent half long variety and one of the best in quality for the home garden. The roots are 5½ inches long, stump rooted, and a deep orange-red in color. Good for bunching and selling on the market. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

Danver's Half-Long The best variety for general purposes and the most largely used. The perfect type is about eight inches long and about two and a half inches wide at the shoulder, tapering to a sort of half-point at the bottom. Color is a bright orange-scarlet. It is a very heavy cropper. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.15.**

French Forcing This is a delicious little table carrot without any core. It is wonderfully sweet. See the picture on the front cover, which is better than any description we can write. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.**

Half-Long Scarlet Stump-Rooted. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.15.**

Improved Short White. Much grown for stock feed, because of its enormous production. The true type is very thick in the middle and should not taper abruptly from the shoulder. Easy to dig in adobe soils. **Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.**

Oxheart or Guerande One of the most popular and heaviest yielders among the short carrots. The shape is particularly desirable for heavy soils. The true type is about 5½ inches long and 3½ inches thick at the shoulder. It tapers slightly to the bottom, and is very stump-rooted. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.15.**

RED SAINT VALERY, or New Intermediate. This carrot tapers evenly from its wide shoulder to its point. A very desirable long variety and rather preferable to Long Orange. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.**

Large White Belgian. The best known and one of the oldest white varieties—is a long-pointed root. The variety we offer does not grow above ground with a green shoulder as do some strains. **Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.**



Danvers Half Long Carrot

Perfect for exhibition; excellent quality for table; heavy yielding

Scarlet Horn, or Early Short Horn. If you prefer a carrot somewhat larger than French Forcing plant Scarlet Horn. Very sweet and coreless. Not so big as Danver's. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.**

Long Orange A good heavy cropper for light soils where roots can be easily dug. The strain we offer is a bright orange-scarlet, and fairly thick, and grows entirely underground, having no green shoulder. Has the brightest color of all the red carrots. **Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.**

CHICORY

Used as a substitute for coffee when the roots are dried out and ground. The roots are also used for cooking and are very palatable. They are also forced in darkness for a delicious tender salad known as Barbe-de-capucin. Sow early in the spring in 18-inch rows, thin the young plants to six inches and keep well hoed. The plant spreads from the root and is perennial.

Large Rooted, or Coffee. The largest rooted variety. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.**

Small Rooted, or Radichetta. The best variety for salads. Can be cut and will come again. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.**

Witloof. A delicious winter salad, eaten usually with French dressing like cos lettuce. The root is long like a parsnip, but the part eaten is the top of the root, with the young leaves, usually best when forced in winter. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.**

CAULIFLOWER

*Not so difficult
as many imagine*

The planting of cauliflower is easy and is much the same as that of cabbage. It does not make a good summer crop, however, as it will not head up well in hot weather. Cauliflower is especially popular as a fall and winter crop, and with market gardeners proves a profitable crop, owing to the scarcity of good market vegetables when cauliflower is at its best. It is easy to grow in the garden, providing the soil is made rich and porous. The young plants should be thinned, since they become very spindling if allowed to grow too thick and never thoroughly recover. Set in 24-inch rows, 20 inches apart.



Cauliflower—California Wonder

California Wonder The Cauliflower which does well in this climate, always heading with large solid heads. Leaves large and long and may be tied over the head for protection. Late and of fine quality. Pkt. 15c; ¼ oz. 50c; oz. \$1.50; ¼ lb. \$5.00.

Dry Weather. A strain of the Early Snowball type, which is especially adapted to California. Pkt. 25c; ¼ oz. \$1.15; oz. \$4.25; ¼ lb. \$14.00.

Early Snowball The best and most popular early variety grown. There is a vast difference in the strains of this variety offered, but what we offer is the best imported stock. Those who have had trouble with cauliflower should try this Snowball. It will make uniformly fine heads even under adverse conditions. Pkt. 25c; ¼ oz. \$1.15; oz. \$4.25; ¼ lb. \$14.00.

SNOWBALL. An early variety with short leaves and fine white heads. About a week later than Early Snowball and preferable in most of California. Pkt. 20c; ¼ oz. \$1.15; oz. \$4.25; ¼ lb. \$14.00.

Extra Early Dwarf Erfurt. Is very early and almost as good as the best quality of Snowball. Pkt. 25c; ¼ oz. \$1.15; oz. \$4.25; ¼ lb. \$14.00.

Extra Early Paris. A hardy variety quite easy to grow and forming good heads. This is between the extra early sorts and the late varieties in types. Is medium late. Pkt. 15c; ¼ oz. 60c; oz. \$2.00; ¼ lb. \$6.00.

VEITCH'S AUTUMN GIANT. A large late variety, very hardy, but especially desirable for the South. The large leaves protect the heads well, making this a fine variety for California. Pkt. 10c; ¼ oz. 40c; oz. \$1.50; ¼ lb. \$5.00.

CELERY

Celery requires water, and lots of it, from the time the seed is sown in boxes in March until the crop is pulled in the autumn or winter. The seed is slow to germinate, and the soil where it is planted needs to be kept very wet. As soon as the young plants are about one and one-half inches high, they should be transplanted to get good, sturdy plants before they are finally set in the garden or field. When the plants are well grown and large the soil needs to be drawn up around the plants, first tying them at the top or wrapping with a piece of sack to prevent the earth getting between the stems. As fast as the plants grow above the soil, the earth wants to be hilled around them again to get a full growth of well-blanching stems. The great celery growing centers are located in swampy, peat districts. Use one ounce of seed to 15,000 plants, or two ounces per acre. Set in 24-inch to 30-inch rows.

Columbia. A very fine variety for home markets and private gardens. The stalks are very thick and almost round. It blanches to almost a golden yellow and the foliage is light green, blanching to quite a yellow tint. It has a decidedly nutty flavor, of very superior quality. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

GOLDEN SELF-BLANCHING or PARIS GOLDEN. The best market variety especially for early crop. The plant is naturally golden-yellow (both stem and leaves), but needs to be blanched to make it brittle and fit for table use. Forms a rather small bunch. French grown. Pkt. 15c; oz. \$1.00; ¼ lb. \$3.50; lb. \$12.50.
California Grown. Oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

EMPEROR. A new dwarf green celery of superior merit. Stems are short, thick and meaty; they blanch white and make a big heart. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Giant Pascal. Rather tall, with stems near-round, and when blanched is white, brittle and especially good flavor. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

White Plume A comparatively easy variety to grow, as it is fairly hardy, and being naturally white, is easy to blanch. The leaves are also white, tinted with green at tips. Forms a medium sized bunch and is fairly tall; early. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.

WINTER QUEEN. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.
Celery Seed for Flavoring (Soup Celery). ½ lb. 40c; lb. 70c.

CELERIAC OR TURNIP ROOTED CELERY

Grown for the edible root and not for greens. Start seeds like celery and transplant to garden.

Giant Smooth Prague. Celeriac forms a good, thick root, as much as four inches in diameter, and nearly globular. Makes a most delicious flavored salad. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

CARDOON

A vegetable with long, cut-edged leaves resembling those of the artichoke. Cultivated for its leaves and stems only, which are much esteemed when cooked. The long leaves must be thoroughly blanched like celery to bring out the delicate flavor possessed by the Cardoon.
Pkt. 10c; oz. 30c; ¼ lb. \$1.25.

CHERVIL

Can be planted any time in the early spring. The leaves should be kept cut, and if not allowed to run to seed, will keep green for a long time. Is more finely curled and handsome than parsley, and makes an excellent plant for garnishing.

Curled. Very finely curled, somewhat resembling parsley and used in same manner. Pkt. 10c; oz. 30c; ¼ lb. 90c.

CHIVES

A plant resembling a tuft of grass, but the leaves have the flavor of onions. The leaves are used in soups and salads, giving a mild onion flavor to same.

Pkt. 10c; crop failed. See plants of Chives listed under Vegetable Plants, page 36.

COLLARDS

This plant bears a large mass of leaves on the top of a stout stalk. It is a species of cabbage, and the flavor is the same. It bears leaves all through the winter, and is used especially in the South for cabbage greens. Leaves are tinged with purple. Young plants may be started in boxes in early spring and the young plants transplanted, allowing plenty of room for each plant. Set 20x18 inches.

TRUE GEORGIA. Grows 4 feet high and forms a very large, loose head. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

CORN SALAD OR FETTICUS

A delicious salad plant which may be cooked like spinach for greens. Used as a salad like lettuce or endive, it is even better. It does well in the winter and spring. On rich soil the leaves grow quickly and are exceedingly tender.

Large Leaved. Very tender leaves, which grow out rapidly after being cut. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.75. Write for prices in larger quantities.

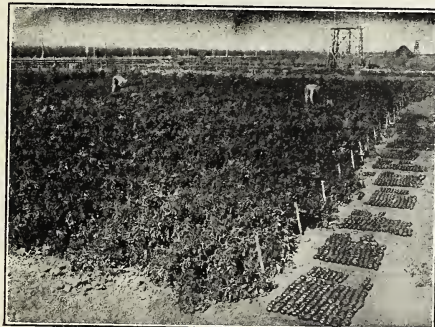
CRESS

There are two species of cress, as noted below. The first named should be sown in drills about 16 inches apart in rich ground, early in spring. Several sowings should be made at intervals to secure a succession. Watercress should be sowed along the banks of running water where there is good soil, and after the seed is up it needs no further cultivation, since the plants spread over the water and make a mass of fine, edible leaves.

Fine Curled (Pepper Grass). Leaves finely cut or curled like parsley. The leaves are pungent and are used to mix with lettuce. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

True Water. Forms a plant the leaves of which are used for salad or for garnishing. Thrives only when the roots and stems are submerged in water. Pkt. 10c; oz. 60c; ¼ lb. \$1.75; lb. \$6.00.

A sample of every lot of seed is grown at C. C. Morse & Co.'s Trial Grounds at San Carlos to see whether it conforms to their high standard for productiveness and quality.



Trial Planting of Tomatoes

Each tomato row represents from 50 to 100 plants. When ripe the fruit is picked once a week and spread on the ground, right side up. The size, weight and general appearance of the fruit, as well as the vine, are noted, and earliness or lateness, vigor of plant and every interesting detail is recorded.



Trial Planting of Cucumbers

About 25 hills of vines of each variety are tested, and the fruits are allowed to remain until dead ripe. Then, in the case of cucumbers, the fruits are picked and spread out along the row as indicated. In the picture will be seen the watermelon and muskmelon trials at the rear of the cucumbers and tomatoes.

With corn selling at \$1.00 per dozen ears last year, how many do you wish you had raised?

CORN

Sweet or Table Varieties

Contrary to the general belief corn is raised successfully in most of California. It makes a profitable field crop and sweet corn is a delicious garden vegetable. Nothing quite equals it. Corn is at its very best only when picked and eaten within an hour.

As corn is very sensitive to frost, it cannot be planted with any degree of safety until about the middle of April, except in sections that are notably free from late frost. Moist, rich soil is best for corn, and frequent hoeing or cultivating improves it. The small, but rich, mountain valleys seem especially favorable for good table corn.

In cutting corn for the table it is important that it be picked at just the right time, especially when not too old. Frequent small plantings of the several varieties in succession will keep a good supply available for the table all summer. Plant in hills three feet each way, and often four feet is better, and even five feet for some varieties. Do not let the plants overcrowd. Thin to 3 plants to a hill. Sow 15 lbs. per acre. Small plantings must be in a square block or the cobs will not fill evenly.

Write for prices in larger quantities than here quoted

Black Mexican. Although when ripe the seed is dark bluish or black, when ready for table use it is white. It is of especially fine sweet flavor and very tender; medium early. The cobs have 10 rows of kernels and the variety fills well. **Pkt. 15c; lb. 60c; 10 lbs. \$5.00.**

Country Gentleman or Shoe Peg

Has a long white cob, closely filled with long small "shoe peg" kernels. Is remarkably fine flavored and sweet, and is frequently used by canners. Many people consider Country Gentleman as about the best of the late cobs, and certainly is of the very highest merit. The stalk is tall. Plant other sorts for early and this for late. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

CROSBY'S EARLY. A fine, early variety, growing about four feet in height. Kernels smaller than on Cory, having 14 rows to each ear. A rattling good sort. **Pkt. 15c; lb. 35c; 10 lbs. \$3.25.**

Early Mammoth or Alameda This sort is very largely grown in Alameda county. The ears are long and very large, and well filled with 10 to 14 rows. The variety is medium early and of good quality. **Pkt. 15c; lb. 35c; 10 lbs. \$3.25.**

EARLY MINNESOTA. Between Crosby's and Cory's in earliness. Stalks about five feet high; ears long and eight-rowed. **Pkt. 15c; lb. 35c; 10 lbs. \$3.25.**

Early Red Cob Cory. **Pkt. 15c; lb. 35c; 10 lbs. \$3.25.**

Early Vacaville. Morse's. Splendid new sweet variety, especially valuable in foothill land. The cob is small and the flavor is especially delicious. **Pkt. 20c; lb. 50c; 10 lbs. \$4.00.**

Early White Cob Cory. An extra early variety with remarkably white grains, especially when cooked. Ears are six to seven inches long. Kernels are large and placed in eight rows to each ear. If you are badly troubled by the corn-ear worm, try this variety. **Pkt. 15c; lb. 45c; 10 lbs. \$4.00.**

Golden Bantam A very early variety. The ears are but medium size, but are thickly set with delicious yellow kernels. The quality of this variety is superb, and it has become a general favorite early sweet corn with all who have tried it. Golden Bantam and Golden Cream have a flavor distinct from other sorts, and if you have never tried these two sorts from your own garden you must plant them this year. Never mind if the color is yellow, the color so often associated with field cobs, the rich nut-quality is here. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

MORSE'S GOLDEN CREAM. The flavor of Morse's Golden Cream is rich, nut-like and delicious, and better than other cobs. It is good enough to eat raw. Morse's Golden Cream is early, prolific and a fine sort; seed yellow. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

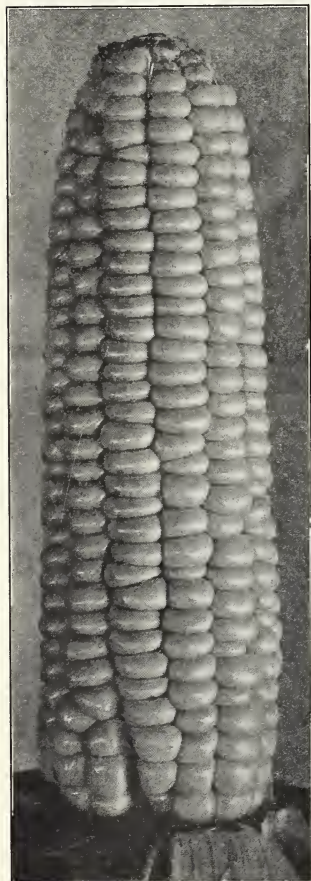
OREGON EVERGREEN. Earlier than Stowell's Evergreen, and like it, very sweet and fine. Kernels are white, ears large. Nothing better for canning or for late crop. **Pkt. 15c; lb. 35c; 10 lbs. \$3.25.**

STABLER'S EARLY. We recommend this as the finest small kernalled early sweet corn. Medium sized, prolific, white kernels, like pearly teeth; 14 rows to the ear. The kind of sweet corn which one most likes because the kernels are small and the skin white and tender. An excellent table sort. **Pkt. 15c; lb. 40c; 10 lbs. \$3.75.**

White Evergreen. Like Stowell's Evergreen, only snow white. **Pkt. 15c; lb. 35c; 10 lbs. \$3.25.**

STOWELL'S EVERGREEN. The most popular and best main crop variety, and a good all-round table variety. Of good, strong growth, about six feet high. Ears keep in condition for boiling for a remarkably long time. The quality is excellent. Stowell's Evergreen is a late sweet corn, taking a good time to mature; 12 rows to the ear; kernels long and meaty and of fine quality. Stowell's Evergreen is also used as a fodder corn on account of its succulent stalks. **Pkt. 15c; lb. 35c; 10 lbs. \$3.25.**

Early Vacaville Corn



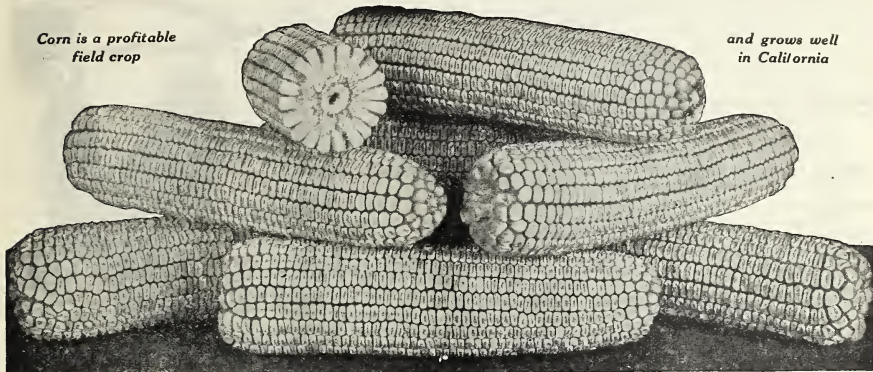
Early Mammoth Corn

FIELD CORN

Write for our Prices per 100 lbs. on any kind

Corn is a profitable
field crop

and grows well
in California



Stanford Yellow Dent

Stanford Yellow Dent Corn If you want a good yellow Dent corn try our Stanford strain. It was produced on the Stanford ranch at Vina, and no finer corn has ever been sent out anywhere, nor one which has given such universal satisfaction here. Each year we are sold out before the end of the season, and each year we increase our supply. California is raising corn, boys, these days. Per lb. 25c; 10 lbs. \$1.65; 100 lbs. write for price.

Morse's Hybrid Yellow Flint Corn This may be called the best corn to grow. It's acclimated and hears perfectly in California. The ears are solid and heavy and perfectly filled. The leaves are wide and large, making it a good silo corn. This is the best corn you ever planted and you will say so after measuring the crop. Per lb. 20c; 10 lbs. \$1.50; 100 lbs. \$9.00.

Early Adams. Although not a sweet corn, can often be used as such on account of its fine, white kernels, which are quite sweet and tender. Is very hardy and can be planted earlier than the early varieties of sweet corn. Pkt. 10c; lb. 30c; 10 lbs. \$2.50.

Early Eight-Rowed Canada, also known as the **Yellow Flint.** A rapid growing, early variety, and for this reason largely used for replanting. Very valuable where the seasons are short. Lb. 20c; 10 lbs. \$1.35.

Early Golden Dent, or Pride of the North. A very early Dent variety, and especially valuable on account of its extreme earliness. Deep yellow grains. Lb. 20c; 10 lbs. \$1.35.

King Philip. An old New England favorite. The ears are long and the variety is very early and a heavy hearer; copper red in color. Lb. 20c; 10 lbs. \$1.50.

Leaming A very popular, tall growing variety. Stalks are leafy, making excellent fodder. Kernels are long and deep golden yellow. Ears large and produced in abundance. Lb. 20c; 10 lbs. \$1.35.

White Cap Yellow Dent. An early and hardy variety, growing six to seven feet in height. Ears are 8 to 10 inches in length. Lb. 20c; 10 lbs. \$1.35.

SANFORD WHITE FLINT. An early, tall variety bearing large ears which are well filled with large, pure white kernels. Lb. 20c; 10 lbs. \$1.50.

Wisconsin White Dent. A tall-growing variety; larger eared; 16 to 18 rowed; grains large and white. Lb. 20c; 10 lbs. \$1.35.

POPCORN, White Rice. Very prolific; ears short, kernels long, resembling rice in shape; color white. Lb. 25c.

Kaffir Corn, Broom Corn, Egyptian Corn, Jerusalem Corn— See Field Seeds. Page 44.

Campbell, Calif.

Gentlemen:

Enclosed please find order for seed and check to cover same. I am also sending herewith a picture of our field of Morse's Hybrid Flint Corn grown last year—average height when cut for silo was 15 ft.—yield 120 tons on 3½ acres. No wonder I repeat my order.

Yours truly,
Orange Grove Farm.



Morse's Hybrid Yellow Flint Corn,
growing at Campbell, Cal.

MORSE'S CUCUMBERS

Cucumbers are sensitive to frost, and cannot be planted until the last of April. They require a great deal of water, and unless planted on very wet soil, will require frequent irrigation throughout the summer. Plant in hills four feet each way, dropping about twelve seeds in each hill. Later, when plants are well started, thin out, leaving only four or five of the strongest plants to each hill. Sow one-half inch deep. The soil should be made very rich with well-rotted stable manure, well spaded in.

Cucumbers are very easy to grow, and a few hills will produce an abundance for an average family. *Keep the crop picked when large enough for use, whether required or not; if left to ripen, they will stop bearing, but if kept picked they will keep on.*

Morse's Arlington White Spine

When you see this in your garden you will agree that we have here a selection that is a perfect cucumber. It is dark green in color, very straight and even in shape. Morse's White Spine is 7 to 8 inches long, is early and can be forced, and also is a most excellent garden cucumber. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

CHICAGO PICKLING. Is the most popular pickle variety about Chicago. Medium-sized, dark green. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

Cool and Crisp. A fine garden cucumber, deep green and crisp. Is of the White Spine type, pure white when ripe. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

Evergreen White Spine. A popular variety, having long, rich, dark-green fruits with very tender, white and crisp flesh. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

KLONDYKE. A variety very dark green when young, and medium early. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

Early Cluster. A very productive variety, bearing its fruit in clusters of two or three. The fruit is short and very dark green. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

EARLY SHORT GREEN, or Early Frame. A very desirable variety for either pickling or table use. Fruit straight, small at each end; bright green. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Everbearing. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.



Extra Early Green Prolific, or Chicago Pickling Cucumber

Boston Pickling. A very prolific variety, used principally for pickles. Fruit medium sized, bright green; very even and symmetrical. Gather the fruit when small and it will bear all summer. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Fordhook Famous. A long White Spine variety. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Gherkin, or West India Gherkin. An extremely small fruited variety grown exclusively for pickles. It has no value for slicing. Is very prickly, but tender and crisp if picked when young. Seed germinates slowly. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

Japanese Climbing. A good variety for training to a trellis. Form long fruit of rich, dark-green color. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Long Green Morse's strain has been selected to have extra length, and the cucumbers are a foot or more long. The seed cavity is small, and fruits are solid and of delicious quality. There is no finer table variety for slicing. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

LEMON. This little cucumber is not half appreciated for the home garden. It has a most delicate flavor, and never gets bitter or unfit for the most demanding taste. The vines are prolific—the fruit is small and always in good condition. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Telegraph Rollinson's: English Greenhouse Variety. These cucumbers are quite different from the ordinary sorts. They have very few seeds and very long, slender fruits, which are perfectly straight when grown suspended from vines in a greenhouse. Very few seeds to a packet; but all are carefully saved from English greenhouses from the finest strain only. Pkt. 25c.

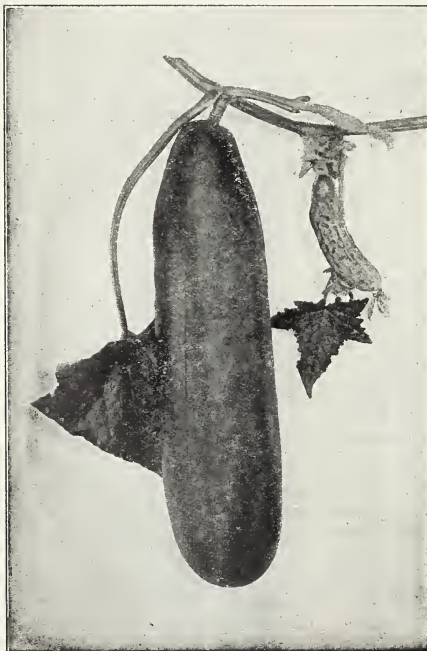
Wild Cucumber. A vine grown only for ornamental purposes. See Flower Seed List under Echinocystis.

Gather the cucumbers as soon as they reach the right size. This will keep the vines bearing over a long time.

DANDELION

Much esteemed for greens, which are cooked like mustard and spinach. The cultivated Dandelion is much superior to the wild one for greens. Sow the seed in May or June on good rich soil, and thoroughly cultivate, when the leaves will be ready to eat the following spring.

Improved Large Leaved. The largest leaved and best cutting variety. Plant is compact and leaves are thick. Pkt. 10c.



Long Green Cucumber

EGG PLANT

The seed germinates slowly and should be started under glass, with moderately high temperature, about March 1st. When about 3 inches high, transplant carefully to the garden or field, but not until all danger of frost is over. Egg plant flourishes in most of this state and wherever there is a good warm growing season. The plant bears most vigorously.

Black Beauty Rich purple black in color and a remarkable market variety. Is early and makes also a fine sort for the home garden. Pkt. 10c; ½ oz. 45c; oz. 75c; ¼ lb. \$2.25; lb. \$7.50.

New York Improved Large Purple The principal market variety; plants are large and spreading; fruit large and of deep rich purple. Pkt. 10c; ½ oz. 45c; oz. 70c; ¼ lb. \$2.10; lb. \$7.00.

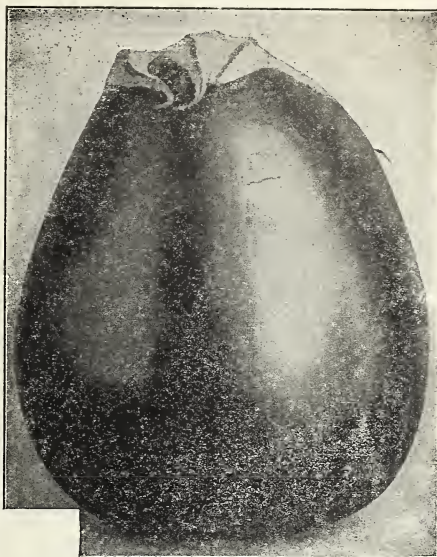
ENDIVE

A salad vegetable which is becoming very valuable for winter use. The seed should be sown in June or July in 18-inch rows, and thinned to about six inches apart. When quite well grown the outer leaves should be tied, thus blanching the inner leaves and the heart. It is hardly palatable until after frost, being rather bitter if used in summer.

Broad-Leaved Batavian or Escarole variety, having wide, thick leaves, straight at the edges and curved toward the center. Color dull green. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

GIANT FRINGED. One of the best market varieties. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Green Curled. Has very curly leaves, the midrib being white and blanching, and the outer edges very much indented and crested. A very attractive plant and one of the very best varieties. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.



New York Improved Large Purple Egg Plant

White Curled. A light yellowish-green variety; very curly and quite ornamental. A good variety for general use. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

FLORENCE FENNEL

Has a thickened leaf stem which is grown like celery and is much used in Italian cooking. Served boiled or sliced and cooked in soups. If you like it, you like it; I do. Pkt. 10c; oz. 30c; ¼ lb. \$1.20.

KALE OR BORECOLE

A species of cabbage, forming a mass of leaves, some varieties being very beautiful and curly. The leaves are cooked as greens. The seed should be planted in September, and the plants will be ready to use in the winter. It is hardy and will withstand frost and snow.

Dwarf Curled Scotch. Color bright green. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Green Curled Scotch, Tall Grows about 2½ feet high. Is very curly and makes a beautiful plant. Quality is best. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Dwarf Purple. Similar to Dwarf Curled Scotch, excepting the leaves are purple. Pkt. 5c; oz. 25c; ¼ lb. 90c; lb. \$3.00.

Jersey Kale or Thousand Headed A tall variety with smooth leaves. Especially used for feeding chickens. Furnishes lots of green feed. Pkt. 5c; oz. 15c; ½ lb. 35c; lb. \$1.15.

Giant Marrow A new sort with thick cut-stems and stalk. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

See page 8.



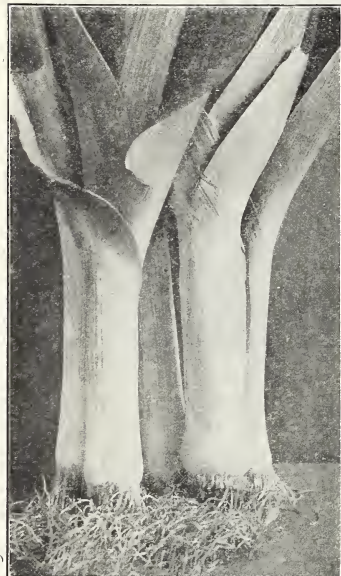
Tall Green Curled Scotch Kale

90-cent eggs look mighty fine to the producer and that is the price at the time of this writing. But there are lots of farmers who are not getting those eggs, and from just one reason, and that is the lack of green feed for the chickens. Grow Jersey Kale, Giant Marrow Kale, Morse's Chicken Lettuce or any other greens and save on grain feed, which is high-priced. Cut your feed bill and get eggs.

KOHL RABI

The secret of good Kohl Rabi is to keep the plants growing quickly and to use the roots when 3 to 4 inches in diameter and before fully grown. The bulb grows above ground and leaves come from its sides. Kohl Rabi has a flavor as much like a turnip as like cabbage. The seed should be planted in the open garden in 18-inch rows and the young plants thinned to four or six inches. It does not transplant well, unless when very small.

Early White Vienna The most desirable variety for general use. Is very early and has small tops. Color, light silvery green. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00

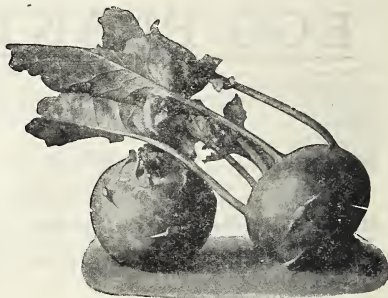


Leek, Giant Musselburgh

Leek, Giant Musselburgh heading, crisp type, represented by Hanson, Iceberg and Los Angeles; the curly and thin-leaved Bunching or non-heading type, as black Seed Simpson, Grand Rapids, Prize Head, The Morse, and the Cos or Celery type. There are early, medium early and late varieties of each type, as well as those specially adapted for greenhouse, hotbed, winter, spring, summer and autumn uses. There is so great a difference in localities in regard to value of lettuce that a uniform rule of culture cannot be adopted. For the ordinary house garden it is desirable to use one variety of each type, and several plantings should be made to secure a succession. The seed should be planted in rows 18 inches apart, as early as possible, and the young plants of cabbage varieties should be thinned to 8 to 10 inches apart. Varieties that do not head may be left quite thick and thinned out as used.

Big Boston Known also as Trocadero Cabbage in Europe. A popular market variety, used largely in the South to grow winter lettuce for Northern markets. A light-green cabbage variety, slightly tinged with brown in the head. Has a particularly fine golden buttery head. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

BLACK SEEDED SIMPSON. A hunching variety, forming no definite head. It has a large mass of fine brittle leaves of a light-green attractive color. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.



White Vienna, Kohl Rabi

Early Purple Vienna. Has a bright purple bulb, much liked in Germany. The leaf and stems are green and tinged with purple. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

Large Green. A popular table variety, having a light green bulb. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

MORSE'S LEEKS

A species of onion which has a mild and delicious root, stem or neck, but no bulb. It can be planted in 16-inch rows, and the young plants thinned to about six inches. When well grown, hill up with earth to get a long white stem. Seed should be planted in June for good plants in the fall and winter. Leek is a vegetable of unusual merit, and should be widely grown.

Morse's American Flag A very fine leek, with long, large, stems, which are sweet and white when properly blanched; vigorous grower. Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

Carentan. The largest variety, though the stems are not so long as some others. Leaves are very broad. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.

DOBBIE'S CHAMPION. A good leek, is delicious, and here is one with a very long neck, thick and meaty. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.

GIANT MUSSELBURGH. Thick, long stems, of sweet, mild flavor. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.00.

MORSE'S LETTUCES

Our strains of lettuce are superfine. This is one of our great specialties. Keep planting lettuce at all times for succession.

Lettuce is represented by **FOUR DISTINCT CLASSES OR TYPES**—by the thick-leaved, smooth-edged cabbage-heading type, such as Big Boston, California Cream Butter, May King and Salamander; the curly and thin-leaved, tight-



Lettuce, Big Boston—A butter head type

LETTUCE—Continued

Black Seeded Tennisball. An old, well-known variety. Very desirable for hothed culture in winter and for withstanding heat in summer. A light-green cabbage sort, forming hard heads. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

Boston Market. Light-green cabbage variety, slightly tinged with brown on the head. Forms a compact, huttery head. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

CALIFORNIA CREAM BUTTER, or Royal Summer Cabbage. A popular variety for autumn and winter use. Forms a very large head, which is very huttery, and of a rich golden-yellow inside. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

Chicken. A rough, tall lettuce grown for chicken feed only. Grows 4 feet tall and supplies lots of feed. Forms no head. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

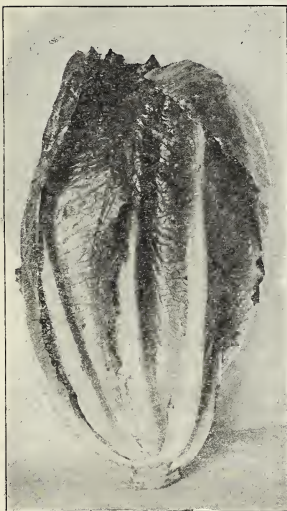
Deacon. A large cabbage variety, having thick, bright-green leaves; forms a large, huttery head; very bright golden-yellow inside. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

Drumhead, or Malta. Sometimes called "Chinese" lettuce. A very large, tight-heading variety. Leaves are rather coarse, but very brittle and good for heat-resisting. Is dark green and slightly curled. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

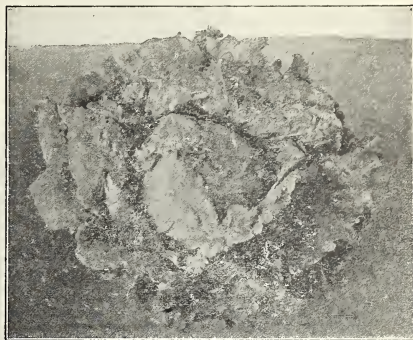
Early Curled Simpson. A loose-hunching sort, forming no definite head. Is crisp and tender; light green in color. Is very hardy and easy to grow. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

Grand Rapids. The well-known forcing variety for the Middle West, where butter-headed or cabbage varieties do not grow well under glass. Is a loose-hunching variety, forming no definite head. Seed will not grow if covered deeper than ¼ inch. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.**

Hanson A fine, large-heading variety. Leaves curled on the edges; light yellowish-green in color. The head is crisp and brittle and flavor excellent. Is the very best house garden variety in existence, and much the finest variety of its class. Hanson is similar to the famous Los Angeles lettuce listed below, but is larger and lighter green. Allow 12 inches for each head. **Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.**



Lettuce—White Paris Cos



Los Angeles Lettuce—Crisp type—white heart

Iceberg MORSE'S STRAIN. A large crisp lettuce, always tender. Iceberg stands hot weather remarkably. Give each head 14 inches in a row. The color is light green, lightly tinged with brown. Try this either for home or market garden. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

Los Angeles OR NEW YORK. Called in England, Wehh's Wonderful, and in Europe, Neapolitan Cabbage. A large, crisp, tight-heading lettuce which is a great favorite in the markets of Los Angeles and San Francisco. The quality is the finest and is an excellent lettuce for the garden. The chances are ten to one that those fine little sweet heads of lettuce you buy in the San Francisco markets are Los Angeles variety. We sell hundreds of pounds of this to the market gardeners. **Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.**

May King A very early new variety, forming fine hard heads within a few weeks after planting. It is medium sized, light green, with huttery but crisp heads. There is just a faint tint of brown on the head. May King is the quickest maturing hutterhead lettuce; quality the best. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

Mignonette. A new compact head lettuce for "The Islands." Small size, sweet flavor. **Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

PRIZE HEAD. One of the very best loose-hunching or non-heading varieties. Leaves brown, very curly and of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. It is probably the most easily grown lettuce in cultivation. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

Salamander. Medium size, very light green, and forms a hard, huttery head. Runs to seed easily. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

THE MORSE. A large, loose-hunching or non-heading variety, forming a large bunch of leaves, which are very crisp and of fine flavor. In color it is a light green and very attractive. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

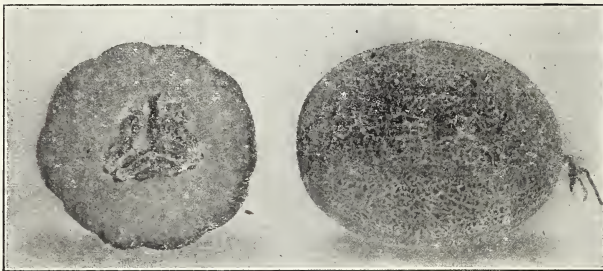
White Summer Cabbage. Forms a medium-sized hard head of fine quality. Color light green. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

White Paris Cos The best of the Cos or celery varieties. Forms a large light-green plant with the head well folded and quite solid. Cos lettuce is also called **Romaine**, and is very popular with our foreign population, for it is highly prized in England and France. The Cos type of lettuce has long upright leaves with heavy straight midribs. The flavor is different from ordinary lettuces and esteemed by many. Either tie the plants to blanch them, or plant them closely, 5 inches apart. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.**

California has forged ahead and is now the greatest lettuce-producing State in the Union. There are 5,900 acres devoted to growing this vegetable alone. Full car-loads leave daily during the winter and early spring for Eastern markets and bring top prices. The variety Los Angeles is the kind mostly shipped.

MUSKMELON OR CANTALOUPE

Plant hills in rich, moist land, using one ounce to 100 hills, or two to three pounds per acre. Six feet each way is a good distance for the hills. Sow the seed after all danger of frost is over and do not cover deeply. Thoroughly rotted manure should be deeply dug into each hill. Muskmelons require plenty of water, and if conditions are favorable, will make a strong, vigorous growth, and most varieties bear heavily. It is best to pick off the early runners to make the plant more stocky and thick. Wherever possible melons should be grown in the home garden, for the charm of a good melon is the flavor which only comes with melons fresh from the garden. Watch for plant lice and spray with tobacco. Experiment with several varieties, as some succeed better on heavy soils and some on light.



Burrell's Gem or Defender—Splendid orange-fleshed Melon

ACME, OR EARLY BALTIMORE. One of the best all-round melons in cultivation, and recommended for its uniform shape, medium size, and fine quality. The flesh is thick, green and without a musk flavor, and is very sweet. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Bay View. Fruit large (6 lbs.), oblong, heavily ribbed and netted. Flesh light green, with pinkish lining, musk-flavored and good. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Burrell's Gem or Defender The best bright orange-fleshed melon. The seed cavity is small and the flesh is colored clear to the rind; deeply netted, flavor equal to the best of any. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.40.

Extra Early Citron. Fruit ball-shaped, skin green and flesh light green. Very early, medium-sized. Very productive; fragrant and of remarkably fine flavor; slightly netted. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Emerald Gem. A salmon-fleshed variety of remarkably fine flavor and fine quality. Fruit small, globular, slightly flattened at the ends; skin only slightly netted; very thick and well ripened close to the rind. Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Extra Early Hackensack. An early variety with almost globular fruit, which is heavily ribbed and netted. Flesh thick and light green, medium size. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Golden Lined Rocky Ford Of a fine uniform shape and without ribs; slightly oval, meat thick, green, and light-gold toward center. Flesh very sweet and spicy. There is no better melon than this new sort. Selected stock. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Greeley Wonder Splendid new orange-fleshed melon from the melon-shipping district of Colorado. See Novelties of this year. Pkt. 15c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.

HACKENSACK, OR TURK'S CAP. The flavor is sweet and delicious. Hackensack has green flesh, flattened ends, thick irregular ribs and coarse netting. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

THE HOODOO. A first class late orange-fleshed melon. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

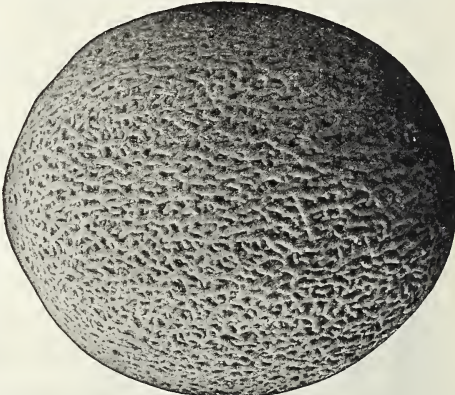
Montreal Market. A large-fruited variety, slightly oval. Skin dark green, heavily netted. Flesh light green and of excellent quality. Type same as Tip Top. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Rocky Ford OR NETTED GEM.

The most largely cultivated variety in use. Grown in great quantities for the market. Fruit is slightly oval, finely netted and slightly ribbed. Flesh thick, green, and of fine quality and of spicy, very sweet flavor. Rocky Fords are small to medium sized. Other melons too big to ship for market are often preferred for home gardens. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

In a ripe melon the netting is well brought out and is fully rounded. The picture of Gold Lined Rocky Ford shows a fine, ripe melon. Also, when ripe the stem can be broken off without having slivers.

Tip Top One of the best known of the deep yellow or salmon flesh varieties. The fruits are large, nearly round, slightly ribbed and lightly netted over a light slaty skin, very highly flavored of musk, which many people prefer in a melon. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.75.



Gold Lined Rocky Ford Muskmelon

"The products of the 1918 student garden, about one-quarter of an acre in area, netted the Berkeley Red Cross \$333.94."

That was a fine record and showed good gardening. The seed was from Morse's.

One of the instructors in the College of Agriculture, University of California, in writing of Morse's Seeds, says: "I find them all right."

That's all that needs to be said. He is an expert. He has tried them in California and he knows. And he says of Morse's Seeds: They are all right.

NEW AND HYBRID MUSKMELONS

The culture of these melons is the same as for muskmelons. Three or four weeks' longer time must be allowed for them to ripen.

Cassabas or Winter Muskmelons

These melons are more popular each season. Cassabas may be had in all the Eastern markets and they are on the bills of fare at the best restaurants. They may be kept as late as February, when all other fruits are rare. Cassabas have a distinct flavor, mild and hard to describe. They make an excellent base for salad, and are enjoyed either that way or as a fruit.

Golden Beauty Early fruits ripen continuously from July on till frost comes. The later fruits can be stored in a cool house or cellar and will ripen slowly, so that they can be marketed from time to time until late in January. Golden Beauty is bright yellow, about globular, with wrinkled skin, slightly pointed at the stem end. The fruits are about six to eight inches in diameter. The flesh is pure white and very thick. **Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.**

Winter Pineapple This is the best of the later ripening winter varieties. As it ripens late on the vines, it can be kept for a longer period in the cellar. The fruits are very solid and heavy, about 10 to 12 inches in diameter, thick at the base and tapering at the top. The color is deep sea green, with mottled white and green at the bottom. **Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.**

Persian Muskmelon

This is a large melon, from 8 to 10 inches in diameter, and is heavy for its size. The melons are heavily netted and are globular. Its color is bright orange. The flavor is different from other melons, and comes out delightfully when the melons are well ripened. Do not try to eat them until fully ripe. Many persons prefer Persian melons before all other sorts. **Pkt. 10c; oz. 45c; ¼ lb. \$1.35; lb. \$4.50.**



Persian Melon

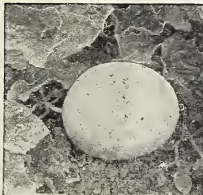
HONEY DEW MELON Hybrid Cassaba

THE SWEETEST MELON OF ALL

This new melon of last year won the very highest praise from all. We are glad that we could introduce to California such a wonderful melon. This year the price is within the reach of all. Plant Honey Dew for your home garden and plant it for the market. The better known this melon is, the more will be sold each year.

Honey Dew is a medium sized melon, 5 to 6 pounds in weight, about 6 inches in diameter and slightly oblong. The skin is smooth. The color, while growing, is nearly white, and when ripe is a creamy yellow, sometimes a lemon yellow.

Honey Dew has very thick flesh, light emerald green in color. It is fine grained, melting



Honey Dew Melon

and delicious, and is good clear down to the rind. Sometimes the older Cassabas have a bland or cucumber flavor not enjoyed by many. Honey Dew is a melon which needs to be well ripened. If you are growing them yourself you will see to this. Sometimes these melons are marketed when unripe and that gives them a bad name, which they do not deserve. Honey Dew is as sweet as sugar and with a very delicate flavor—not musky at all.

The vines are strong growers and are productive. The melons slip from the vines when ripe, but may be picked just before they are ripe and stored in a cool place and then they will keep until Christmas. **Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

MUSHROOM SPAWN

Write for our leaflet giving cultural directions.



Mushrooms grown from spawn

PURE CULTURE AMERICAN SPAWN. The very best spawn taken direct from the growing cultures. There is no chance for any "wild" spawn to get mixed in. Bricks weight 1¼ lbs. Brick 35c, postpaid; by express 10 bricks \$3.00; 100 bricks \$24.00.

MUSTARD

The leaves of these varieties of mustard, as listed here, make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves. Sow seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow fifty feet of row.

Chinese. A very hardy, broad-leaved variety. Leaves are thick and deeply savoyed, with broad white midrib. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

FORDHOOK FANCY. The dark-green leaves of this variety are more curled on the edges than any other sort, making most attractive green. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.**

Giant Southern Curled Large variety, forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. **Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.**

White English. See light yellow and pungent. **Oz. 10c; ¼ lb. 30c.**

With vegetables at such high prices why not plant more of a garden? What is your back yard worth to you?

WATERMELON

*Delicious if
thoroughly ripened
before picking*

Light, sandy or gravelly soil is necessary for the best watermelons. They seldom do well on heavy adobe or clay soils, and these lands should be avoided for watermelons as a farm crop. In the garden any soil can be made suitable by spading in each hill some as soon as the second or third leaf shows. Use about four ounces of seed to 100 hills, or as a farm crop, two to four pounds per acre.

Plant the seed about the middle of May, in hills about eight feet apart. Use five or six seeds to a hill and thin out to three plants as soon as the second or third leaf shows. Use about four ounces of seed to 100 hills, or as a farm crop, two to four pounds per acre.

A good watermelon is one of the finest fruits on earth. On a hot day—and it's always hot when watermelons are in bearing—there is nothing like a fresh, juicy, sweet watermelon. Some watermelons are much sweeter than others. There is no use in buying an old sort just because you are familiar with the name. Follow our advice as to the best melons, and you will write back and say: "I had the best melons I ever had this year, from your Seed." Varieties not listed here we don't think worthy of a place, be they new or old, but we can supply many for commercial planting.

For that prime requisite—sweetness, Klondyke, Kleckley Sweets and Halbert Honey are the best sorts, followed by Angelino, Tom Watson, Chilian and Golden Honey. These are all pre-eminently sweet.

For bright red flesh—Angelino and Chilian. This year we are going to describe a number of sorts as having "pink" flesh, which is nearer the color.

For shipping to local markets: Angelino, Chilian and Tom Watson. Other shipping melons will be found in our list below.

Angelino: A good all-round melon either for home or shipping. The skin is very dark green, and the flesh is bright red and of delicious quality. Melons usually weigh about 12 lbs.—just a nice size and one that is readily saleable. Soak seed in water an hour or two before planting to increase germination. Important only for Angelino and Chilian. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Chilian, White Seeded. Description same as Angelino, except for color of skin, which is a deep green, slightly mottled darker. Two of our best melons. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Chilian, Black Seeded. Do you prefer a black seeded sort? Some people think a melon does not taste right unless it has black seed. Has the same fine qualities of Angelino and Chilian. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Citron, Red Seeded. Not a watermelon, but a small hard melon which is used for pickles and preserves. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Citron, Green Seeded or Colorado Preserving. Solid melon for stock feed only. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 75c.

Excel. A new, very large black seeded shipping melon. It is a little smaller than Tom Watson, but you can ship it anywhere. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Florida Favorite. A large variety, with large, oblong fruit and light green skin, mottled with a deeper shade. Rind thin, flesh deep pink and of fine quality. Seed white. Fine shipper, also excellent for the house. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10.

Fordhook Early. Fruit almost globular; color deep mottled, with occasional faint stripes of lighter green; flesh bright pink and crisp. Early. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10.



Watermelon Angelino

Georgia Rattlesnake. One of the oldest and formerly most popular sorts, and frequently known as **GYPSY**. A large, oblong variety with decided stripes of light and deep green. Rind is tough, but flesh is of medium quality and bright pink; a good shipping and market melon. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10.

Golden Honey. A really delicious melon with yellow flesh. Golden Honey has a large heart, solid and sweet right up to the rind. The outside is a light green, striped dark green; fruit oblong, and medium sized. The flesh seems to have large granules of cool sugar water. The melon is like apricot ice cream. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Halbert Honey. Is especially sweet in flavor, crisp and brittle, and well ripened to a very thin rind. Oblong and extra fine quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10.

Harris' Earliest. Fine where earliness is the main object, but otherwise we recommend other varieties. Fruit is slightly oval, striped light and dark green; flesh bright pink, with black seeds. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10.

Kleckley Sweets OR MONTE CRISTO. A very desirable variety for the home garden or nearby markets. Fruit medium sized oval, and skin dark green; flesh bright red and very sweet. Skin is brittle. It is the very sweet, honey-like flavor that makes it especially desirable. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10.

KLONDYKE. This melon is exceptionally sweet and fine. It was bred in California and stays in perfect condition in this climate. A good shipper for nearby markets, and excellent in every home garden. The flesh is brittle; fruit oblong. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Tom Watson: A very large really fine melon, often growing to 40 and 60 lbs. or more. Tom Watson is sweet, has a large heart and small seed. The flesh is bright pink, contrasting with the dark green mottled skin. Tom Watson is an excellent sort to grow and ship. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.



Tom Watson Watermelon

MORSE'S ONION SEED

*Grow 2 Sacks
and store them
for winter*

HOW TO GROW ONIONS FOR MARKET

For general crop the seed must be sown during the month of January or before February 1st, and, if the location is a fairly dry one, it is best to sow about the middle of December. The seed should be sown with a seed drill in rows 14 inches apart, using 4 to 4½ pounds of seed per acre. In very weedy land the rows may be 18 to 20 inches apart, when less seed is required.

The land must be thoroughly worked before planting, and usually two good plowings, a good disking and a harrowing are necessary.

The crop must always be kept free from weeds, and it is usually necessary to weed out in the row by hand once or twice. Hoeing between the rows may be done oftener. It is not necessary to thin the plants in the row, since some thinning is naturally done during the hand weeding.

The land chosen for onions should be wet land, preferably loose, sandy loam or peat, and should always be kept well drained. Heavy adobe or clay soil is good, but needs to be irrigated in May, June and July. Steady, even growth is necessary to good onions, and a check in the growth, whether from disease or drought, causes them to run to seed badly. Onions are ready to harvest usually the latter part of August, when, with a good crop, the tops are pretty well ripened down. If the tops are still standing and green, it is well to run a light roller or plank over them to press the tops down, and the onions should be pulled in about ten days after this is done, whether the tops have dried off or not. It requires not less than two full weeks to properly cure onions after they are pulled.

There are 6,570 acres planted to onions in California this year, and the Government estimated yield is 137,791,800 pounds or 4,029 carloads. This is one-sixth of the onion crop for the entire United States. Most of the onion seed for the country is produced here in California. Our firm specializes in onion seed.

An average crop runs from 150 to 200 centals (15,000 to 20,000 lbs.) per acre.



California Early Red Onion



Australian Brown Onion

Alisa Craig. Alisa Craig grows to an immense size and not infrequently measures 18 inches around, and weighs two pounds. Color light yellow, grain fine, flavor mild and ripens early. Alisa Craig is the largest onion grown. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.**

AUSTRALIAN BROWN. Early and very hardy variety which does especially well in California. Should be planted early, on low, wet ground, to get large bulbs. The skin is thick and the color is a rich brown. Is especially noted as a long keeper, as it keeps well into spring without sprouting or shriveling, and much longer than other varieties. **Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.**

CALIFORNIA EARLY RED. If the seed is sown in beds in August and set in the field in November or December, good market onions can be had in May. It is not a good keeping variety, but is excellent for winter growing because it will not readily bolt to seed. Of very mild flavor and of fine quality. Much used for very early onions. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.25.**

Crystal White Wax. A pure white variety of the Bermuda type; Tenerife grown. The beautiful clear white onion seen in our markets in crates early in spring is this variety. Sweet. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.**

Extra Early Barletta. Extremely early variety. Seed planted in February will form ripe onions the last of July. Is a white onion, forming small bulbs about one inch in diameter. Valuable for home-made pickles. **Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.**

Extra Early Pearl. A very early variety with pure white skin, rather coarse grain and mild flavor. In shape it is flat and is unsurpassed for early sets or home-made pickles. **Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.**

Extra Early Red Flat. A very early, flat variety, with dark purplish-red skin. Forms a hard bulb with good keeping qualities. **Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.00.**

Mammoth Silver King. An early, large, white, flat onion; does not keep well. **Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.**

Ohio Yellow Globe The bulbs are remarkably uniform in size and shape, and being firm and hard, possess fine keeping and shipping qualities. Morse's Strain is particularly fine in all these desirable qualities. **Pkt. 5c; oz. 25c; ¼ lb. \$2.50**

Prize Taker A remarkably large onion. Skin light yellow, flesh sweet, flavor mild. Not a long keeper, but yields enormously; globe-shaped. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

Red Bermuda. Bulbs are pinkish-straw color. A companion to White Bermuda, which see for description. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; per lb. \$3.50.**

RED WETHERSFIELD. The best-known and most widely used red variety. In shape it is flattish, but thick, with very firm flesh. Is hard and an excellent keeper, as well as a heavy cropper. The color is a bright purplish-red. **Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

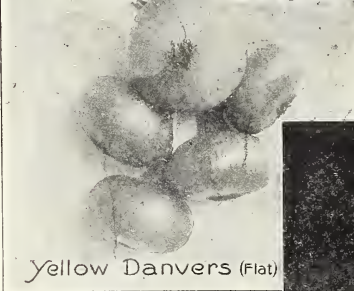
Southport Red Globe. A large, globe-shaped, bright purplish-red variety. Is a late sort and most excellent keeper. A very handsome variety and of fine quality. **Pkt. 10c; oz. 30c; ¼ lb. 85c; lb. \$2.75.**

SOUTHPORT WHITE GLOBE. A pure white globe-shaped variety. Forms handsome hard onions with wax-like, pearl-white flesh. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.**

Southport Yellow Globe. A fine, orange-yellow, globe-shaped variety. **Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.**

White Bermuda. A very early variety, used largely in the South as an early market onion, when the seed is sown in the fall and the onions harvested in the spring. It is mild and of particularly fine flavor. The color is a pinkish-straw, and the shape is flat. The seed we offer is grown in Teneriffe, Canary Islands, and is a fine pure strain. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.**

MORSE'S SUPERIOR STRAINS OF ONIONS



Yellow Danvers (Flat)

White Portugal or Silver-

skin The best known and most largely used white onion. Is flat on the bottom and thick toward the top. Very hard and firm and an excellent keeper. Is largely used for white onion sets as well as for bulbs for the best market trade and also for pickles. Pkt. 5c; oz. 30c; ¼ lb. 80c; lb. \$3.00.

White Queen. A very early white onion. Rather small and does not keep well. Is of fine, mild flavor, and largely used for home-made pickles. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

Yellow Danvers This is the best known and the most generally used flat, yellow onion. It is extra hardy and a very heavy yielder. Color bright orange-yellow; flesh white and firm. A good keeper, fairly early and of good size. It is also a good variety for transplanting to get early onion. One of the standard varieties on the San Francisco market, where it is often called "silverskin," although of a bright yellow color. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.25.

Yellow Dutch, or Straesburg. Similar to Yellow Danvers both in shape and size and color. It is a little flatter and makes a better sort to grow for producing onion sets. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.25.

Yellow Globe Danvers. Morse's Strain of Globe Danvers is especially selected on our farms to give an even ripening crop. The bulbs are all of fairly large size, small at the neck and perfectly and regularly formed. Morse's Globe Danvers is the most popular onion for market and for shipping. Is almost ball-shaped, but a trifle flattened at both ends. It is a heavy cropper and a good, firm variety. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.



Southport White Globe

ONION SETS

Onion Sets are miniature onion bulbs grown from seed. Plant near the surface in rows of 12 inches apart and six inches between the sets, using 250 pounds of sets per acre. When raised from sets, the onions can be used in the green state or may be ripened off for large onions, in which case they are fully six weeks earlier than when raised from seed. If used to grow large onions about one-half of the sets will run to seed instead of making bulbs. Break down the stems when the bulbs are of good size; this will make them ripen. Onion plants set out in April and May are better for late planting for onions. 40c per 100; \$3.50 per 1000. Prices are subject to market fluctuations as the season advances.

Brown or Yellow Onion Sets. Sept. to May. Lb. 25c.

White Onion Sets. Sept. to Dec. only. Lb. 30c.

Garlic Large quantities are furnished at prevailing market prices. Lb. 40c.

Shallots A yellow multiplying onion. Until May 1st only. Lb. 40c.

These prices are postpaid to the Fourth Zone.

These three pictures were all taken from the same distance and show the comparative sizes of these onions. It was Prizetaker which gave a crop of 780 full sacks per acre on one of our pieces last year.



Prizetaker

OKRA, OR GUMBO

The long, tender pods of okra are very delicious when sliced and cooked in soups. While this is its chief use, it is also boiled and served like other classes of vegetables. Okra should be planted in rows 8 feet apart and the plants 2 ft. in the rows. Plant in any good soil about April 15th after frosts have passed. The pods should be gathered daily when young, as they are then very tender, and if gathered the plants bear more. Do not cook in iron, copper or brass, as it discolors the okra.

PERKINS MAMMOTH LONG POD. Very early and prolific variety. Pods are long, slender, deep green and of fine quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

White Velvet. A medium-sized variety, bearing long, smooth, white pods, which are very tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

DWARF GREEN. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

From _____

P. O. _____ State _____

C. C. MORSE & Co.

GROWERS **SEEDS** DEALERS

SAN FRANCISCO,

CALIFORNIA.

729-741 FRONT STREET



PARSNIPS

Use the parsnips when they are of right size. Leave them in the ground only where it is good and cold. Parsnips are fine when used rightly. Makes a good stock feed, too. They prefer very wet soil, and will thrive where carrots will not grow. A sandy soil is good, since the roots are very long, and are difficult to dig in stiff soil. Sow the seed thickly in the spring in 18 to 24 inch drills, using one-fourth ounce to 100 feet. In the field sow in rows 24 inches apart, using three pounds per acre.

Hollow Crown The most popular and best variety for all purposes. Skin smooth and white and flesh tender, while the root grows 18 to 20 inches long. The best part of it is contained in the first eight inches from the top. Our strain of Hollow Crown is the thick shouldered type called "Student" by some dealers. It is particularly fine, smooth and regular. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Long Smooth, or Long Dutch. A very long variety with full crown. Very smooth white skin. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

PARSLEY

Used for garnishing dishes of meat, or cooked in soups. A few plants in the garden will yield sufficient for a family, providing the leaves are cut often and the plants not allowed to seed. Sow the seed in drills early in spring, using one-fourth of an ounce to 100 feet. Soak the seed two hours before planting and water frequently.

PARSLEY

Champion Moss Curled. A very finely curled, bright green and very ornamental variety. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Hamburg, or Turnip Rooted. A plain-leaved variety, forming a long, thick edible root. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Plain or Single. A very hardy variety. The leaves are flat and not curled. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Double Curled A curled variety, very hardy and easy to grow. Deep, rich green, and by many preferred to the extremely curly varieties. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Extra Triple Curled

Very finely curled variety of dark-green color. One of the best varieties for all purposes. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

A mulching over the parsley bed will prevent rapid drying out and consequent crusting of the soil. Parsley needs moisture. Keep the plants from running to seed. If this happens make a new planting.



Hollow Crown Parsnips



Double Curled Parsley

CULTURE OF PEAS

Peas are quite hardy and for early markets can be planted in the fall in protected places, and ripe peas can be had in February. They require moderately rich soil, but not excessively rich or wet, or they will run too much to vine and do not bear heavily. The seed needs to be planted thick, using from 80 to 150 pounds per acre for seed or vegetable crop, or one pound for 100 feet of row.

The dwarf varieties can be planted in rows 18 to 24 inches apart, and the tall ones three feet. By using the various classes of peas, and by making several sowings of each, good peas can be had for a long season. In the garden the pods should be kept picked, as the plants will then continue to bear. All varieties have wrinkled seed except Alaska, First and Best, Marrowfat and Melting Sugar.

Three Most Valuable Books for California

- The California Fruits and How to Grow Them. Price \$3.00; postpaid to Pacific Coast, \$3.15
- The California Vegetables in Garden and Field. Price \$2.00; postpaid to Pacific Coast, \$2.15
- California Garden-Flowers, Shrubs, Trees and Vines. Price \$1.50; postpaid to Pacific Coast, \$1.60

These three books are standard and authentic works on these subjects of fruit growing, vegetable raising, and general flower gardening about the home. Written by Prof. Edward J. Wixson—one who knows California conditions thoroughly.

The price of early green peas was 25c per pound last Spring. Better grow your own

MORSE'S PEAS

Tender Peas must be home-grown. They can't be bought

See preceding page for culture of Peas.

All charges are paid on Garden Seed to the 4th Postal Zone on amounts up to and including 10 lbs.

Our packets contain mostly four ounces of hand-picked peas. Don't compare them with one ounce packets sold by others at half price. Our packets are right size for minimum planting. Write for 100-lb. prices on all varieties.

EXTRA EARLY VARIETIES

ALASKA, or EARLIEST OF ALL. A smooth pea, well suited for extra early planting; vine 2½ feet high; pods small. Will not rot in cold, wet ground; popular with canners. Pkt. 15c; lb. 35c; 10 lbs. \$3.25.

AMERICAN WONDER. A dwarf or short-vine variety, growing about 12 inches tall, bearing short, well-filled pods; very early. Pkt. 15c; lb. 40c; 10 lbs. \$3.75.

BLUE BANTAM. This grand new pea recently introduced by us has given greatest satisfaction to many of our customers. Blue Bantam is a medium dwarf vine pea, early in bearing and having very long peas of a splendid deep-green color. Add to this productiveness the fact that Blue Bantam has the highest quality, and is tender and unusually sweet when cooked, and you see why this pea is such a favorite. Pkt. 15c; lb. 45c; 10 lbs. \$4.25.

At the first appearance of aphid or plant lice spray your vines with Black Leaf 40 or other nicotine solution.

FIRST AND BEST, or Extra Early.

One of the earliest tall varieties, with smooth, round peas, which ripen almost at one time. Grows 2 to 2½ feet high; seed yellowish white; pods straight, short and well filled. Quality best of smooth-seeded early varieties. Pkt. 15c; lb. 35c; 10 lbs. \$3.25.

LAXTONIAN. This is an ideal market and home garden pea, medium dwarf in habit of growth, but with very large pods, averaging five to six inches in length. Laxtonian seldom has any blank spaces in the pods. Pkt. 15c; lb. 45c; 10 lbs. \$4.25.

LITTLE MARVEL. An extra dwarf, extra early pea, which is wonderfully prolific. Each pod has six or seven large peas, closely crowded in. Yields heavier than any other in this class. Pkt. 15c; lb. 40c; 10 lbs. \$3.75.

NOTT'S EXCELSIOR. The earliest extra dwarf pea. Good flavor. Pkt. 15c; lb. 40c; 10 lbs. \$3.75.



Thomas Laxton Peas

MORSE'S PREMIUM GEM, sometimes called LITTLE GEM. Plant our selection of this pea, for it is extra productive; is early, has short pods and always filled right up; 15 inches tall; flavor is sweet. Pkt. 15c; lb. 40c; 10 lbs. \$3.75.

GRADUS, or PROSPERITY. Has the finest flavored peas of all. Tall, light vine; matures early. Peas and pods large size. Pkt. 15c; lb. 45c; 10 lbs. \$4.25.

THOMAS LAXTON. A fine, early, tall variety, similar to Gradus, but more hardy and not quite so early. Is yellowish green color and has large blunt pods that fill well with peas of finest quality. Pkt. 15c; lb. 45c; 10 lbs. \$4.25.

LATER OR MAIN CROP VARIETIES

ALDERMAN. A new pea like Telephone, only better. The vine is extra vigorous and the pods of Alderman are dark green and always well filled with fine large peas. This is the very finest and best peas of this class. You will thank us for calling your attention to Alderman. Pkt. 15c; lb. 40c; 10 lbs. \$3.75.

ABUNDANCE. A tall, productive variety much like Advancer. It matures evenly and is used largely by canners. Pkt. 15c; lb. 35c; 10 lbs. \$3.25.

McLEAN'S ADVANCER. Is especially productive and very popular with market gardeners. One of the best midseason peas. Pkt. 15c; lb. 35c; 10 lbs. \$3.25.

CHAMPION OF ENGLAND. One of the most popular tall late varieties. Is very prolific and hardy, and the peas are of especially fine, rich quality. Pkt. 15c; lb. 35c; 10 lbs. \$3.25.



Laxtonian Peas

PEAS—Continued

All hand-picked stock

HORSFORD'S MARKET GARDEN. A tall variety of medium height; very prolific; peas small and wrinkled, but pods well filled. Dark green and hardy and very popular as a canning variety. Pkt. 15c; lb. 35c; 10 lbs. \$3.25.

Improved Senator

A wonderfully heavy bearer. Peas of best quality and easily gathered. Each pod has 8 or 9 good peas. A tall vine pea and one of the best. Introduced by us last year. Pkt. 20c; lb. 50c; 10 lbs. \$4.50.

MELTING SUGAR, or EDIBLE POD. A tall variety bearing long, flat, brittle pods, which are cut or broken and cooked like string beans. Is a delicious vegetable and should be better known and more generally used. Pkt. 15c; lb. 50c.

LARGE WHITE MARROWFAT. A very tall, hardy variety. Very productive, but of inferior quality. These peas are not wrinkled nor are they sweet. Pkt. 15c; lb. 30c; 10 lbs. \$2.75.

TELEPHONE. Is tall and large; wrinkled peas of fine quality; large pods. We have an especially fine, pure stock of this excellent old favorite. Pkt. 15c; lb. 45c; 10 lbs. \$4.25. Write for prices on 100 lbs.

SENATOR. Introduced by us recently. Senator is literally loaded with large slightly curved pods, always well filled and unusually easy to pluck. Peas medium sized and of splendid quality. This pea is a most excellent one for the home garden on account of its extra prolificness, earliness and good quality. Pkt. 15c; lb. 45c; 10 lbs. \$4.25.

STRATAGEM MORSE'S SELECTED. A semi-dwarf variety with large leaves and large pods. The vines bear well and the pods are long, thick and well filled. This variety has a tendency to run out or revert to a small-podded type, and many stocks of Stratagem offered contain many small-podded plants. We offer an especially fine selected strain, free from small pods. Prices—re-selected strain: Pkt. 15c; lb. 40c; 10 lbs. \$3.75; 100 lbs.—write for prices.

YORKSHIRE HERO, or ALAMEDA SWEETS. A very hardy and prolific, semi-dwarf, late, wrinkled variety. The peas are large and of fine quality. Pkt. 15c; lb. 35c; 10 lbs. \$3.25.

PEPPER

There are varied uses for Peppers, and while they are more popular in the South among the Spanish and Mexican people, they are used very largely by all who like strong, hot condiments. The several varieties are used for stuffing when green for pickles, for pulverizing when dry, and for soups, etc. Our selection of varieties includes all of the very best.

Peppers do best in hot climates, but can be grown quite successfully in most places on any ordinary soil. The seed germinates slowly and should be started in boxes, and the young plants transplanted after all danger of frost is over. Set in 18-inch rows.

ANAHEIM CHILL. This Pepper is largely grown in Orange county, and is used dried and for canning. It is long, 7 inches or so, medium sized in width, and is thick fleshed. The flavor is mild for a Chill Pepper, and one liked by Mexicans and Americans alike. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

Chinese Giant. A very large, deep-red variety, very thick and blunt. It is fully twice as large as Large Bell, or Bull Nose, being four or five inches thick at the top and about six inches long. Plants are not prolific bearers. Pkt. 15c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.

Large Bell or Bull Nose Fruit large, round and blocky, and about three inches long and two inches thick. The color is deep green when fruit is young, but when fully ripened it is a rich, glossy blood-red. Plant grows about two feet high. Pkt. 5c; oz. 70c; ¼ lb. \$2.00; lb. \$7.00.

LONG RED CAYENNE. A strong, pungent variety, having long, pointed fruit, which is bright scarlet when ripe. A well-known and popular variety. Pkt. 5c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.

Pimiento Pepper This is a sweet Pepper—that is the difference—one which you will enjoy eating in salad, either fresh or canned. Cannery and market gardeners are planting Pimiento largely. Very thick flesh, wonderfully mild flavor. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Red Cherry. An ornamental as well as useful variety, the plant being tall and bearing profusely small, bright red fruit. The fruit is small, round, very hot, and is largely used for pickles. Pkt. 10c; oz. 80c; ¼ lb. \$2.40.

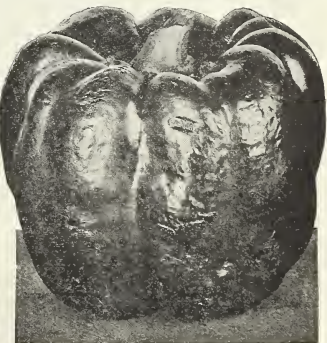
Red Chili. A rather small, bright-red variety, about two inches long and pointed. The pods are used in making Chili sauce, and very pungent and hot. Pkt. 10c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.

SWEET MOUNTAIN, or SPANISH MAMMOTH. It is a late variety, bearing large, thick fruit, which is frequently eight inches long and two or three inches in diameter. When mature it is a deep glossy-red, and the flavor is mild and sweet. Pkt. 10c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.



Anaheim Chili Pepper

Sweet Upright. A large thick variety, with mild, sweet flesh. Pkt. 10c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.



Large Bell or Bull Nose Pepper

Plant Peas every two weeks, also Beans, Beets, Carrots, Lettuce, Radishes, etc. Keep the soil well cultivated and you can have not one but a succession of fresh vegetables. There is no reason why the average home garden should not increase its yield three or four times. Make repeated plantings two or three weeks apart.

PUMPKIN

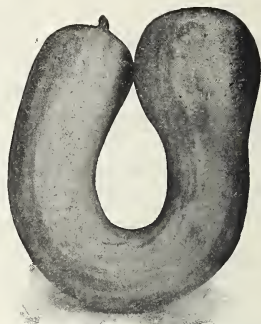
Enormous pumpkins can be grown on the fertile soils of the West. Weights of 160 to 180 lbs. are not unusual to be exhibited at State Fairs. Plant the seed in the open ground when it is well warmed and after all frosts have passed. Plant in hills about eight feet apart. Three to four pounds of seed will plant an acre, and eight ounces will plant 100 hills. Do not plant near squashes or melons; they are likely to mix. If large quantities are wanted write for special prices.

California Field The well known, ordinary pumpkin, largely used for stock feeding. The fruit is variously colored, in yellow, drab, red and orange, and varies also in size, but is usually very large. Is a heavy cropper and very early grown. Pkt. 5c; lb. 60c; 10 lbs. \$5.50; 100 lbs. \$50.00.

CONNECTICUT FIELD. A fine, large, orange-colored variety used for field culture and stock feeding. The skin is smooth and ribbed and the flesh is brittle and sweet. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Large Cheese, or Kentucky Field. A very large, flattened pumpkin, averaging about two feet through. When ripened the skin is a rich cream color. Flesh yellow and of fine quality. Some customers claim that this variety is not susceptible to the ravages of the squash bug. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Mammoth Golden Cushaw One of the best stock-feeding pumpkins. Is solid, yellow crookneck sort and is nearly all flesh, having a very small seed cavity. Pkt. 10c; oz. 15c; ¼ lb. 45c; lb. \$1.40.



Mammoth Golden Cushaw Pumpkin

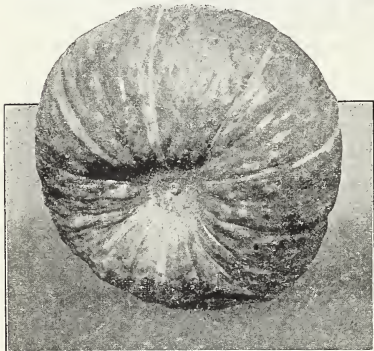
Green Striped Cushaw. Mammoth heavy yielding cattle pumpkin. This succeeds in the San Joaquin valley. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.

Mammoth King, or Potlron. Skin reddish yellow in color, and flesh rich orange. It runs very uniform in shape and color, and all are of immense size. Pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.50.

Morse's Marrow (Won a GRAND PRIZE at the P. P. I. E.). This grand pumpkin has proven all that we claim for it. It is an immense cropper, not only in fruits, but in weight. Twenty-tons to an acre is a good yield, but not exceptional. Good sized pumpkins are two feet across and weigh 150 lbs. each, and there are many such. Morse's Marrow is a very large, round, flat pumpkin, brilliant vermilion orange in color, and the handsomest pumpkin in existence. The flesh is very thick and solid and is bright orange-yellow in color. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Pie Pumpkin. A small, round yellow sort with fine, pinkish netting. Flesh is thick, sweet and of excellent quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

SMALL SUGAR or NEW ENGLAND PIE. A small round pumpkin of excellent quality. The flesh is rich yellow, very thick and sweet, and the skin is deep orange. We recommend this variety as the very best for pies. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.



Morse's Marrow Pumpkin

RHUBARB

A rich, sandy soil, wet but well drained, is best for rhubarb. While it is frequently propagated from seed, only a percentage comes true, but it is cheaper to grow from seed and discard untrue plants. The popular method, however, is to use young plants propagated from the crown. Set plants three feet by six. The best stems are produced the second year, but it continues to produce for several years. When the blossom stalk appears, it should be cut back well into the ground. Set the crowns of the plants so that they are two inches under the surface of the soil. This is important. Choose a place where the soil will be moist at all times.

If Rhubarb roots are ordered by mail, add postage at zone rates.

Crimson Winter This splendid rhubarb is noted for its earliness. It has been a great money-maker for growers because it was the first to come; is hardy and has good flavor. Produces small crimson stems very early in winter and spring and continues bearing till late.

Seed—Pkt. 10c; oz. 80c; ¼ lb. \$2.40; lb. \$8.00.

Small Roots—15c each; per doz. \$1.25; per 100 \$8.00. Weight estimated 2 lbs. per dozen.

Myatt's Victoria. A very large, late variety with green stalks. It comes fairly true from seed.

Seed—Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Roots—15c each; \$1.50 per dozen. (Weight estimated 2 lbs. per dozen.)

Strawberry (Lorenzo). A variety well adapted for California, and yielding very heavy crops. Largely planted for market purposes in San Lorenzo; stems large size; color light crimson.

Large Roots—25c each; 5 for \$1.00; per 100, \$12.00. (Weight estimated 1 lb. each.)

Wagner's Giant (Giant Crimson Winter). Average stem is 1½ feet long and weighs ¼ lb. This novelty has all of the good qualities of Crimson Winter plus large size. A sure money-maker and the very best variety.

Seed—Pkt. 15c; oz. \$1.25; ¼ lb. \$3.75; lb. \$12.00.

Roots—20c each; \$1.75 per doz. (Estimated weight, two lbs. per doz.)

See page 36 for other vegetable plants.

Morse's RADISH SEED

No garden is complete without radishes in succession at all times. They are no trouble, have no pests, and mature in a month and a half. **Crimson Giant Forcing**, **Icicle** and **Half Long** are all very solid varieties. Use two thirds ounce for 100 feet of row, and thin the very young plants somewhat to prevent crowding. Summer varieties can be sown all Spring and well into Summer. Winter varieties, however, require some time to mature, and the seed should be planted in August and September for good radishes in November and December.

Chartier. A very long variety and larger in diameter and general size than **Long Scarlet**. Color bright rose with lighter colored tip. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Chinese Rose Winter. A bright scarlet winter variety. About four inches long and stump-rooted. Like **Chinese White Winter**, only red colored and two weeks earlier. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

CHINESE WHITE WINTER OR CELESTIAL (or Cal. Mammoth White Winter). The well-known and popular winter variety. Clear white, about four inches long and half stump-rooted. Keeps firm and crisp until it runs to seed. Is a good cooking variety, and when cooked the flavor resembles turnip. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

Crimson Giant Forcing The best large solid radish; very crisp. The roots are top-shaped and 1 ¾ inches in diameter, and always remain solid. Superb sort for every garden. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.



Scarlet Turnip White Tipped Radish

Early Scarlet Turnip. A valuable variety for forcing or outdoor culture. Is a small, turnip-shaped variety, and in color entirely crimson. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Early Scarlet Globe A popular forcing variety, owing to its very quick growth and fine, bright scarlet color. Shape a trifle oblong. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

French Breakfast. Color, bright rose with bottom of root and the tail pure white; two inches long, larger than the globe varieties. A very attractive variety. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

HALF LONG, OR OLIVE SHAPED. The variety most largely used by gardeners in California. It is about three inches long, with half stump-root and sloping top. Color, carmine. Quick growing; hardy. Remains solid longer than most other varieties. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Half Long Deep Scarlet. Bright scarlet. Valuable for forcing. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Icicle See front cover for illustration. A handsome white variety, about five inches long, with sloping top and pointed root. Quick growing, brittle and mild in flavor. Icicle is early and very desirable for a home garden. Always solid. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

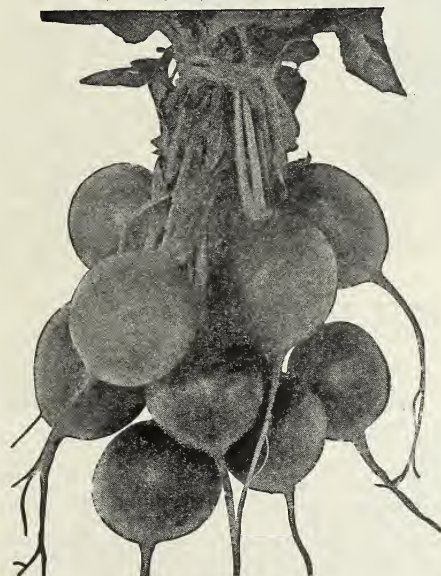
Long Black Spanish. A winter variety with almost black skin and white flesh. Roots about six inches long. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Long Scarlet (short top). The best known and most popular long variety. Color, bright carmine, and flesh brittle and firm. About six inches long, the top growing out of the ground about one inch. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.

Long White Japanese. A winter variety, growing frequently two feet long and about three inches in diameter. Skin, white; flesh, solid and tender; very pungent. Our seed is imported from Japan. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Scarlet Turnip White Tipped or **Rosy Gem.** One of the most popular and attractive short varieties. It is globe shaped, bright rose-carmine with bottom and tip clear white. Stems and leaves small. Very valuable for forcing as well as for the garden and market. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

White Vienna (or **Lady Finger**). A fine long mild flavored white variety; matures quickly. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.



Crimson Giant Forcing Radish

ROSELLE

The Currant Jelly Plant and which uses only one-half the amount of Sugar

Roselle makes a bright red jelly, that both looks and tastes like currant and would take an expert to tell the difference. **Roselle Seed** should be sown in April in the field where the plants are to remain in rows six feet apart and thinned to 2 feet in the row. The plants grow rapidly and thrive in the interior valleys. In making jelly it is best to remove the seed pod. Pkt. 10c.

SORREL

The large leaves when cooked like spinach make a very palatable vegetable. In California it grows luxuriantly, spreads rapidly from the root, and becomes an obnoxious weed unless given attention. A confined location in the garden is therefore recommended.

Large Leaved French. The variety having the largest leaves and therefore the most desirable. **Pkt. 10c; oz. 25c; ¼ lb. 75c.**

SALSIFY

Or Vegetable Oyster

A loose, light soil, especially sandy loam, is desirable for a long, smooth root. In stiff soils the roots are usually uneven and hard to dig. Use one ounce for 100 feet of row, and thin to two inches to prevent crowding. Plant in 12-inch to 15-inch rows.

MAMMOTH SANDWICH ISLAND. The improved large-rooted variety, growing about 12 inches long and being from 1 to 2 inches thick. **Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$2.75.**

SPINACH

Fine Winter and Spring Vegetable

An easily grown plant, the seed of which may be planted in the fall to secure good spinach early in the spring or even throughout the winter. The better and richer the soil, the larger and more tender the leaves will be. As a field crop for the market garden use 8 pounds of seed per acre. For the home garden use one ounce for 100 feet of row.



Bloomsdale Savoy Leaved Spinach

BLOOMSDALE SAVOY. The variety most generally used in the East and especially throughout the South for shipping. Leaves large, round and thick, very much savoyed and rich deep green. One of the earliest varieties. Seed round. **Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.**

Long Standing. A deep green variety, with rather elongated smooth leaves. Seed round. Stands a long time without running to seed even in hot weather. **Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.**

New Zealand. A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, and will stand heat wonderfully. **Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00.**

PRICKLY. The variety commonly used for market in California. Is very hardy and easily grown; bears large, smooth leaves, which are shaped like an arrow point. Color bright green. Seed irregular, with three or four sharp points. A fine winter and spring variety. **Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 90c.**

Round, Thick Leaved. A large-leaved bright green variety. Leaves rather smooth and rounded at the top. A good variety for late spring and summer. Seed round. **Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.**

VEGETABLE PLANTS AND ROOTS

We carry the following plants in the season shown and pack them very carefully for shipping. The purchaser takes the risk of their wilting or being damaged in transit. Postal charges at parcels post rates must be added if wanted by mail.

Artichoke Plants. January to May. **Doz. \$1.25.** Weight, 5 lbs. per dozen, really too heavy to mail.

Asparagus Roots. Two year old. January to April. **Doz. 25c,** (weight 4 lbs per 100); **100 \$1.10; \$6.00 per 1000.**

Cabbage Plants. Dwarf Flat Dutch variety only is carried, October to June. **Doz. 15c; 100 85c; 1000 \$7.00.** (Weight 1 lb. per dozen; 4 lbs per 100.)

Cauliflower Plants. California Wonder variety only is carried, November to June. **Doz. 20c; 100 \$1.00; 1000 \$7.50.** (Weight, 1 lb. per dozen.)

Celery Plants. March to May. **Doz. 25c; 100 \$1.75.** (Weight 1 lb. per dozen; 4 lbs. per 100.)

Egg Plant. March 15th to May 15th. **Doz. 30c.** (Weight, 1 lb. per dozen.)

Garlic. November to May. **40c per lb.** Postpaid to Fourth Zone.

Hop Roots. April to May only. Place your order in advance. **Each 5c; doz. 50c; (postpaid 55c doz.); 100 \$3.00.**

Horse Radish Roots. January to May. Cut and eat the tops. **Doz. 50c, postpaid; 100 \$1.50.**

Onion Plants. April and May. Young plants will make more good onion bulbs than sets. **40c per 100; \$3.50 per 1000.** (Weight, per 1000, 3 lbs.)

Pepper, Large Bell. March 15th to May. **Doz. 30c; 100 \$1.75.** (Weight, 1 lb. per dozen.)

Pepper, Cayenne. March 15th to May. **Doz. 30c; 100 \$1.75.** (Weight, 1 lb. per dozen.)

Rhubarb Roots. See full list of varieties under Rhubarb on page 34.

Rhubarb, Roots, Strawberry. Each 25c; 5 for \$1.00; per 100 \$12.00. (Weight, 1 lb. each root; 12 lbs. per dozen.)

SHALLOTS. Until May 1st or sold out. **Lb. 30c.** Postpaid to Fourth Zone.

Sweet Potatoes. May and June. **Doz. 20c; 100 \$1.00; \$6.00 per 1000.** (Weight 1 lb. per dozen; 2 lbs. per 100.) Plants are not ready until about May 10th. Don't expect them too early.

Tomato, Extra Early Plants. March. **Doz. 30c.**

Tomato, Stone, etc. April to June. **Doz. 25c; 100 \$1.75.** (Weight, 1 lb. per dozen; 3 lbs. per 100 taken from flats.)

HERBS, Chives, Mint, Sage, Sweet Marjoram, Thyme, from January 1 to June 1. Two plants of any kind or assorted for **25c; postpaid, 95c.** Tarragon until May 1. **25c each.**

SQUASH

If you have six hills of bush squashes you will get all you require for a family. The squashes keep coming one after the other during the entire summer. Don't set them out too early. Wait until thorough warm and frostless weather has come.

Put a spadeful of well-rotted manure in each hill and dig it in well. Sow 8 or 10 seeds in a diameter of a foot and later thin to the best 3 plants. Bush squashes should be in hills 4 ft. apart; use 4 oz. of seed to 100 hills. Winter varieties with long vines should be planted in hills 6x8 feet apart; 8 oz. of seed will plant 100 hills; 2 to 3 lbs. per acre. The winter squashes do not mature until late in the fall, and, having a very firm, hard shell, keep well, and with a little care squashes can be had all winter and until late in the spring. In gathering winter squashes, it is important to keep the stems from being broken off.

SUMMER VARIETIES *Eat When Young*

Early White Bush Scallop A very early variety, with flat, creamy white, scalloped squashes, 4 to 6 inches in diameter. The vine is bush in habit and rather dwarf. This variety is the common "patty pan" squash. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

Vegetable or Italian Marrow **COCOZELLE BUSH.** The very earliest of all the Squashes. Although usually eaten when quite small, still it is good for the table when nearly full grown; has a distinct flavor. The color is dark green at first, but changes to a lighter green as it matures. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

Yellow Summer Crookneck The well-known Summer variety. Fruit long, skin very much warted; bright golden yellow. Very fine and tender when young. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

WINTER VARIETIES

Boston Marrow A popular variety, with large oval fruit. Skin bright reddish orange with light cream netting. Flesh orange. Fine grained and of excellent quality. This is the most popular variety for canning. The California canners plant several hundred acres annually and the fruit makes a rich orange-red, and delicious flavored dish. **Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.15.**

Delicious. This is a splendid variety, more like the Hubbard than any other, but surpasses it in some respects for home use, as it is not quite so large. The shell is not so hard, the meat is thicker and of extra fine quality. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

Essex Hybrid, or Hard Shell Turban. An early quick-growing variety, with very hard shell. Is broad, with large nick or "Turk's Cap" at blossom end. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

Fordhook. A good variety for early winter or even summer use. The fruit is oblong, slightly ridged; is creamy yellow outside and the flesh is thick, and when cooked is of most delicious flavor. Is solid and is a splendid keeper; 10 in. long. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.**

Golden Hubbard. An exceptionally attractive variety of the true Hubbard type. At maturity the color is red and the flesh bright orange. The vine is productive and the fruit is fit for use earlier than the Hubbard. **Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.**

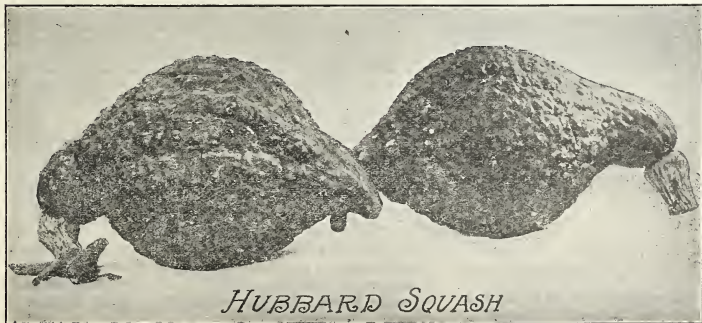


*YELLOW
SUMMER
CROOKNECK
SQUASH*

Hubbard The most popular and widely used of the winter squashes. Fruit is oblong and pointed, heavily warted, dark green in color, with orange-colored flesh. Is remarkable for its keeping qualities. **Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.**

PERFECT GEM or CREAM. Long-keeping winter squash, 4 to 6 inches in diameter; apple-shaped, distinctly ribbed with smooth, cream-colored skin. Is solid and rather hard, but bakes to a delicious soft consistency on the inside. Although a small variety, it is a great keeper. It is used

both as a summer squash and as a winter sort. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.**



HUBBARD SQUASH

Besides our Vegetable Seeds, Morse's Sweet Peas are famous

Wonderful new prize-winning Dahlias are offered on Pages 73 and 74

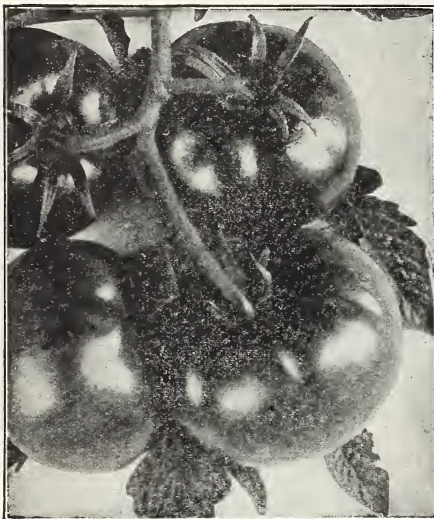
These Dahlias are exceptionally fine and for four years have won the Silver Cup at Exhibits of Dahlia Society of California in competition with all others

TOMATO

Just a few plants will supply a household

Tomatoes should be in our home gardens. They bear continuously from mid-summer until cut down by frost, and they are wonderfully productive. Several good plants will supply a family with an abundance of fruit. As tomatoes are very sensitive to frost they cannot be set in the open field until about May 1st. The seed must be sown in well-protected hotbeds, sowing same about March 1st. A hardy and stocky plant is had by transplanting the small plants in the bed a few weeks before transplanting to the field. Or when about four inches high the top may be pinched off and the plant grows stockier.

Sow the seed broadcast in a prepared bed, using one ounce to about 30 square feet of area, which will yield plants enough to set an acre. In the field set tall varieties six feet apart and dwarf varieties four feet apart. A slight trellis is advisable in the garden. Good soil produces the best fruit, but it is not necessary that it be excessively rich. Too frequent watering, especially spraying the plant, is injurious to tomatoes in the home garden, but a moderate amount of water should be applied at the roots at regular intervals.



Stone Tomato

Beauty. A rather early, tall variety; very prolific, with a good-sized, smooth fruit of a purplish carmine color. Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$3.75.

Bonny Best. An early scarlet-fruited tomato which has proven a success all over the country. It is smooth, very even in size, very solid and also very prolific. Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$3.75.

Chalk's Early Jewel A wonderful new variety in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform and well ripened clear to the stem, and the flavor and quality are especially fine. Color bright scarlet. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$3.75.

Dwarf Champion. A dwarf variety, sometimes called the tree tomato on account of its upright growth and its ability to stand alone without trellising. Fruit medium-sized, smooth, uniform and of a purplish-carmine color. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

Don't be misled by a cheap price on tomato seed which probably has been saved from the refuse of a catsup factory. All of our Tomato Seed is specially grown and selected for earliness and yield, etc., in the field. To buy Morse's Seed WILL PAY YOU. See page 7.

Dwarf Giant. It is deep purplish crimson in color and belongs to the later-fruited types. Plant is dwarf. We recommend a main crop sort like Stone. Pkt. 10c; oz. \$1.00. Crop short.

Earlana (Sparks). A large, smooth, bright scarlet tomato. Very valuable for early market use. Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$3.75.

EARLY DETROIT. A new tomato of merit; fruit smooth, uniform, nearly globe-shaped, firm and of fine quality; color purplish-pink; season early. Is a fine shipping variety. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

Golden Queen. A large-fruited, tall variety, bearing smooth, bright yellow fruit of fine quality. Pkt. 10c; oz. 45c; ¼ lb. \$1.35; lb. \$4.50.

Husk Tomato, or Ground Cherry. A small variety that is covered by a loose covering or husk. The true edible variety is yellow and is used for preserves. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

Livingston's Globe Perfectly round medium size; flesh solid, and a great shipper. The color is purplish-red. A main crop sort raised for market. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

MATCHLESS. Fruit smooth and uniform, and bright cardinal red. A heavy cropper and of excellent flavor. Extra selected strain. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

Ponderosa, or Beefsteak Tomato. An extremely large, irregular-fruited variety. Vine tall and fruit very solid and purplish-carmine in color. Rather coarse and late. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.50.

Red Pear Shaped. As the name implies, the fruit is shaped like a pear. It is about two inches long. Color scarlet. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

San Jose Canner Morse's. San Jose Canner is scarlet in color, of giant size, and yields an enormous tonnage. See full description on page 7. Pkt. 15c; ½ oz. 45c; oz. 70c; ¼ lb. \$2.00; lb. \$7.00.

JOHN BAER. An early bright scarlet new tomato. It is similar to Bonny Best and Chalk's Early Jewel; prolific and of best quality. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.

Stone The best main-crop tomato for all purposes, and largely used for canning and shipping. Second only to Morse's San Jose Canner in yield. Our strain of Stone is something superior. Vine tall and prolific, fruit smooth, large and uniform. Color bright scarlet. Pkt. 5c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

TROPHY. An old favorite and much esteemed for its productiveness and hardness. The true stock is scarlet in color and the fruit shows a distinct navel at the blossom end. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50.

Yellow Pear Shaped. A small-fruited variety, which is golden-yellow. It is very useful for salads, when the fruit is simply cut in two lengthwise. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Yellow Plum. A fine size for preserves, as the cherry size is too small to pick. Fruit is bright-yellow and oblong, about 1 ½ in. long. Pkt. 5c; oz. 60c; ¼ lb. \$1.80.

TOBACCO

Sow early in frames or seed beds and transplant when weather has become warm and frost has passed. Set in 4-ft. rows, 30 in. apart.

CONNECTICUT SEED LEAF. Is the hardest variety in cultivation. Pkt. 10c; oz. 40c; ¼ lb. \$1.20; lb. \$4.00.

Havana (Domestic). Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Vuelta de Abajo (Imported Havana). Pkt. 15c; oz. \$1.50.

White Burley. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

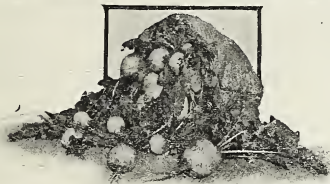
Yellow Pryor. Pkt. 10c; oz. \$1.00; ¼ lb. \$3.00; lb. \$7.00.

Kentucky Yellow. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; lb. \$6.00.

Turkish. Pkt. 15c; oz. \$1.00.

TURNIPS

Turnips grow quickly so that they are tender, make a delicious vegetable. The home gardener can give them easily that extra care needed to bring them to perfection. The requirements are for a rapid, uninterrupted growth, and for moist, well-worked soil. In Alaska turnips reach perfection, and all over our coast they are excellent. Sow in early spring and again in August. This latter gives roots for winter. Put the rows 12 to 18 inches apart, and thin to 5 to 8 inches. Do not transplant except when very young and that should not be necessary. 1 ounce of seed sows 250 feet of row.



Early Snowball Turnips

Amber or Yellow Globe. Skin is a clear yellow. Is of large size and fine flavor. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.15.

EARLY SNOWBALL. A medium globe-shaped variety of pure white. Very solid and of the finest quality for table. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Early White Flat Dutch (Strap Leaf) A medium-sized flat variety; clear white, early, and of fine flavor. A fine table variety. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Extra Early White Milan. A very early variety, medium sized, flat and clear white. A fine home-garden variety. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

Extra Early Purple Top Milan. A very early variety, medium sized, very flat and white with purple top. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00.

LONG WHITE OR COW HORN. A long, pure white variety resembling a white carrot. The flesh is tender and sweet and it is quite popular as a market variety on this account. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Orange Jelly, or Golden Globe. A globe-shaped, yellow variety with firm and crisp yellow flesh. A very fine table variety. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Pomeranian White Globe. Large white variety, used largely for stock feeding. Is globe-shaped; large leaves; hardy. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.20.

PURPLE TOP WHITE GLOBE. Fresh white, firm and tender. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.15.

Purple Top Flat Dutch (Strap Leaf) In Colombo Market where the vegetables for San Francisco are handled, you will see more of purple top Flat Dutch than of any other sort. It forms early a fine root, even in shape, and of best quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.15.

Purple Top Yellow Aberdeen. A medium-sized variety, generally used for stock feeding. Is yellow, with purple top, flesh light yellow. A winter variety, seed of which can be sown in summer. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

Seven Top (for greens). Cultivated for its leaves. Cooked same as spinach and mustard. The root is small and not used. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

White Egg. Small, early and fine. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.

RUTA BAGA OR SWEDES

These are grown very exclusively for stock feeding and make an excellent and valuable crop. Treatment same as for winter turnips, but require a longer season to grow, and the seed should be planted early in July. The rows should be at least 2½ feet apart, and the plants thinned to 8 or 12 inches. The roots frequently grow to enormous size.

American Purple Top or Long Island

One of the best and most popular varieties, with yellow flesh. It is yellow below ground, with purple top above, and the leaves are small. A good stock feeding or table variety. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.15.

LARGE WHITE. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. 1.25.

Monarch, or Tankard. Roots ovoid in shape and very large. Flesh, yellow; skin, yellow below ground and purple above. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

Yellow Purple Top Swede. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.30.



Early White Flat Dutch Turnips

AROMATIC, MEDICINAL AND POT HERBS

Anise. Pkt. 5c; oz. 35c.

Balm. Pkt. 5c; oz. 35c.

Basil, Sweet. Pkt. 5c; oz. 50c.

Bohnenkraut Is Summer Savory.

Borage. Pkt. 5c; oz. 35c.

Caraway. Pkt. 5c; oz. 25c.

Catnip. Pkt. 10c; oz. \$1.40.

Coriander. Pkt. 5c; oz. 20c.

Dill. Pkt. 5c; oz. 20c; ¼ lb. 60c.

Fennel, Sweet. Pkt. 5c; oz. 30c.

Horhound. Pkt. 5c; oz. 35c.

Hyssop. Pkt. 5c; oz. 55c.

Lavender. Pkt. 10c; oz. 70c.

Rosemary. Pkt. 10c.

Rue. Pkt. 10c; oz. 60c.

Sage. Pkt. 5c; oz. 35c.

Summer Savory. Pkt. 10c; oz. 65c.

Sweet Marjoram. Pkt. 5c; oz. 65c.

Winter Savory. Pkt. 5c; oz. 65c.

Tansy. Pkt. 10c; oz. 65c.

Tarragon. The true Tarragon does not seed, but what is offered is Russian Tarragon and flavorless. True Tarragon in plants below. Russian Tarragon, pkt. 15c.

Thyme. Pkt. 10c; oz. \$1.00.

Wormwood. Pkt. 5c; oz. 95c.

HERB PLANTS. From January until June 1 we can supply plants of the following herbs: Chives, Mint, Sweet Marjoram, Sage, Thyme. Two plants of any kind or assorted for 25c; packed and postpaid, 35c.

Tarragon plants from Jan. to May 1, each 25c; postpaid, 30c.



THE BOWLING GREEN IN GOLDEN GATE PARK. It's a favorite place of the Scotchmen

GRASSES FOR LAWNS

(One pound of seed sows 200 to 250 square feet of lawn. Directions on next page.)

Good lawns come from good seed such as ours, and good seed must be planted in suitable soil. We have several lawn mixtures adapted to different soils—the finest is “Morse’s California Lawn Mixture,” and the most popular the “Golden Gate Park Lawn Mixture,” quick growing and succeeding on sandy soils. The high merit of Morse’s lawn grasses is recognized by its users, including many golf clubs and the Golden Gate Park. Your lawn, properly cared for, will be the equal of any if you sow the right grass. Our Putting Green Mixture is splendid for furnishing a close compact turf which can be kept closely clipped.

Australian Rye Grass. The Australian Rye Grass makes a very hardy, bright green, satisfactory lawn. It will grow and flourish on sandy soils, and we recommend this for lawns in San Francisco. Per lb. 25c; per 10 lbs. \$2.30; per 100 lbs. \$18.00.

Kentucky Blue Grass makes an excellent lawn of a dark-green color. It forms a fine mat, and with care and water is the best lawn grass for all soils except sandy ones. Per lb. 45c; per 10 lbs. \$4.00; per 100 lbs. \$36.00.

“Morse’s Golden Gate Park” Lawn Mixture contains the more hardy grasses which are used to make the sod for the park playgrounds where the grass has to endure much trampling over. The mixture also contains a very little white clover. Per lb. 40c; per 100 lbs. \$30.00.

Morse’s Terrace Mixture. Just the mixture for those dry terrace slopes. Per lb. 50c.

Pacific Rye Grass (Morse’s). The best grass for a straight lawn in any sandy soil. Per lb. 25c; per 10 lbs. \$2.25; per 100 lbs. \$20.00.

Morse’s California Lawn Mixture.

Our best general mixture for fine lawns; contains only the finest leaved grasses in the correct proportion to make a good, fine turf which will wear as no other can and will still look well summer and winter. Per lb. 50c; 10 lbs. \$4.50; 100 lbs. \$40.00.

Morse’s Putting Green Mixture. This makes a very springy, fine turf, which will mat and stand lots of hard wear. Per lb. 60c; per 10 lbs. \$5.70; per 100 lbs. \$53.00.

Morse’s Special Shade Mixture.

We cannot get the proper grasses for this mixture on account of the war, and we will not reduce its quality by substitution. Therefore we do not offer this mixture this year.

Morse’s Velvet Lawn Mixture. A lawn grass for wet places. Per lb. 45c; 100 lbs. \$35.00.

White Clover. This is the little dwarf growing clover used for lawns either alone or in grass mixtures. Per lb. 75c; per 10 lbs. \$7.30.

GRASSES

These prices fluctuate and are not guaranteed. Write for current prices.

Pound and 10-lb. prices are postpaid to the 4th Zone. Other prices are f. o. b. San Francisco.

AWNLESS BROME GRASS (Bromus Inermis). Will stand droughts and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardest grasses and succeeds on our dry hillsides. Sow 35 lbs. per acre. **Lb. 50c; 100 lbs. write for prices.**

Bermuda Grass (Cynodon Dactylon). Is a dwarf perennial plant and spreads by means of long and many jointed root stalks, and for this reason is hard to eradicate once it has secured a foothold; thrives during the hottest part of the year, and will live under water for a long time. Makes a durable lawn and is also used to hold embankments. This grass is much used for lawns about Sacramento. The seed is very slow to germinate and requires heat and moisture. Sow 10 lbs. per acre. **Per lb. 75c; 10 lbs. \$6.70.**

Chewing's Fescue (Festuca Durivuscula). A variety of Hard Fescue, and used by most of the golf clubs in their mixtures. Forms a compact mat, stems are hard, the grass succeeds well even under poor conditions. A good pasture grass for dry lands. **Lb. 60c; 10 lbs. \$5.50.**

Creeping Bent Grass (Agrostis Stolonifera). Being of fine texture this grass is most valuable for lawns, and ideal for putting greens. It is of rapid growth and spreading habit, and makes a strong, enduring turf. Sow 40 lbs. per acre. **Lb. 75c. Write for prices.**

Crested Dog's Tail (Cynosurus Cristatus). Should enter in moderate quantities in permanent pasture and lawn mixtures. It does well in the shade, roots deeply, is stoloniferous and perennial, valuable in mixtures for lawns, putting greens and for pasture. If sown alone 30 lbs. should be used per acre. **Lb. 55c; 10 lbs. \$4.80.**

Dallis Grass. See Paspalum Dillitatum. Page 43.

Italian Rye Grass (Lolium Italicum). Thrives in almost any soil and yields early and abundant crops. Sown in the fall, will produce an excellent hay crop the following season, but lasts only one year. Much sown in Humboldt County for pasture and hay. Not recommended for lawns. Sow 50 lbs. per acre. **Lb. 25c; 100 lbs. \$19.00.**

KENTUCKY BLUE GRASS (Poa Pratensis). Fancy or double, extra clean. As this grass takes some time to become established it is preferably sown in mixtures for pasturage. Is truly perennial and prefers fine soils. As a lawn grass it is the finest there is—spreading habit, even texture permanent, fine leaf and dark color. For pasture sow 50 lbs. per acre; for lawns, four or five lbs. per 1000 square feet. **Lb. 45c; 10 lbs. \$4.00; 100 lbs. \$38.00.**

Meadow Fescue, or English Blue Grass (Festuca Pratensis). A valuable grass for permanent pasture and for meadows for cutting which are rather damp. Makes a quick second growth, but does not do so well on dry soils. If sown in mixtures, Sow 30 lbs. per acre. **Lb. 35c; 100 lbs. \$23.00.**

Meadow Foxtail (Alopecurus Pratensis). One of the best grasses for permanent pasture, early and of rapid growth. Is never sown alone, but always in mixtures, using about four lbs. per acre. **Lb. 60c; 10 lbs. \$5.50.**

Mesquite (Holcus Lanatus). Valuable on the cleared redwood and pine lands of California and Oregon, giving large crops of hay and good pasture. Sow 35 lbs. per acre. **Lb. 30c; 10 lbs. \$2.40; 100 lbs. \$20.00.**

ORCHARD GRASS, or COCKSFOOT (Dactylis Glomerata). One of the most valuable of all pasture grasses; produces an immense quantity of forage, and hay of best quality. After being mown, comes up quickly and yields very heavily. Suitable for pasture under trees. Sown in the ashes on cleared redwood land in Humboldt County. Not suitable for lawns, as it grows in tussocks. Sow 35 lbs. per acre. **Lb. 45c; 10 lbs. \$4.00; 100 lbs. \$35.00.**

Pearl Millet (Pennisetum). A perennial plant for fodder. Grows tall and yields an enormous amount of corn-like leaves. Sown in drills or broadcast, using three to five lbs. per acre if in drills, or 25 lbs. broadcast. **Lb. 35c; 10 lbs. \$3.00.**

Perennial Rye Grass (Lolium Perenne). It grows rapidly and makes a good showing within month from time of sowing. The great pasture and meadow grass of Great Britain. Valuable for planting early on dry hillsides, as it grows so very quickly. A good lawn grass, but a little coarse. Sow 60 lbs. per acre. **Lb. 25c; 100 lbs. \$18.00.**

AUSTRALIAN RYE GRASS. Especially selected and re-cleaned for lawns; does especially well on sandy soils. Sow five lbs. per 1000 square feet. **Lb. 25c; 10 lbs. \$2.30; 100 lbs. \$18.00.**

Red, or Creeping Fescue (Festuca Rubra). Cannot supply at present. Write for prices.

RED TOP (Agrostis Vulgaris). Herd's Grass. Second only to Timothy as hay grass, and better if the ground is to be pastured afterwards, for Red Top makes one of the best permanent pastures. Succeeds on all soils, though doing best on moist and even swampy land. A permanent grass and valuable as a lawn grass, giving quick effect. Fancy, free from chaff. Sow 15 lbs per acre. **Lb. 35c; 10 lbs. \$2.70; 100 lbs. \$22.00.**

Rhode Island Bent Grass (Agrostis Canina). Like Red Top this grass accommodates itself to all soils. Especially valuable for lawns on sand at the sea coast; from it the lawns at Newport are largely made. Is perennial, dwarf, and makes a beautiful, fine, close turf. For lawn sow 50 lbs. **Lb. 60c; 10 lbs. \$5.50; 100 lbs. \$50.00.**

Rough-Stalk Meadow Grass (Poa Trivialis). Excellent for pastures and meadows, particularly on damp soils. As a lawn grass it forms a fine turf and does well in shaded locations. Sow 20 lbs. per acre. **Lb. 75c; 10 lbs. \$7.00.**

Sheep's Fescue (Festuca Ovina). Short and dense in growth, excellent for sheep pasture, because it will thrive on poor, gravelly, shallow or hilly soils where other grasses fail. Not recommended for lawns under ordinary conditions because it bunches. Sow 35 lbs. per acre. **Lb. 60c. Write; seed very scarce.**

SUDAN GRASS. No more important addition has been made to the hay crop of this State than Sudan Grass. It yields from 2 to 8 tons of hay per acre, depending upon whether irrigated or not. Two cuttings are assured and in places four have been taken. The hay is of superior quality and relished by all stock. Cut with a mower just after full bloom. Plant late in spring after frost is past. If drilled in 36-in rows, you will require 2 to 4 lbs. of seed; if seeded 18 to 20 inches, 4 to 6 lbs; if broadcast, 15 lbs. If second grade is wanted, write us. We can meet prices. Ours is the best strain of this wonderful grass. **Lb. 30c; 10 lbs. write for prices.**

Sweet Vernal, True Perennial (Anthoxanthum Odoratum). Emits an agreeable odor, which it imparts to hay or to the lawn when being cut. Sow only in mixtures, using two or three lbs. per acre. **Lb. 80c; 10 lbs. \$7.50.**

Tall Meadow Oat Grass (Avena Elatior). Of rapid luxuriant growth, recommended for soiling and in permanent hay mixtures, also for winter grazing. This variety is not a lawn grass. Sow 50 lbs. per acre. **Lb. 50c; 10 lbs. \$4.60.**

TIMOTHY (Phleum Pratense). The grade we sell is particularly "choice," free from weed seeds and of high germinating power. Timothy is the great standard hay grass of the Eastern part of the country. It makes hay of the best quality, and produces a larger crop on good soil than any other grass. Not adapted for pasture, as there is little growth after cutting, and tramping of stock soon destroys it. Not a lawn grass and not adapted to dry soils; height two to three feet. Often sown with red top and red clover. Sow 15 to 20 lbs. **Price fluctuates. Lb. 30c; 10 lbs. 2.20; 100 lbs. \$17.00.**

Wood Meadow Grass (Poa Nemoralis). Cannot supply.



Timothy

WE ARE HEADQUARTERS FOR ALFALFA, CLOVERS AND GRASS SEED



ALFALFA

Inoculate this Seed with **FARMGERM.**

Put some land into Alfalfa and reap the profits of present high prices. The land should be prepared by deep plowing and thorough harrowing, and should be well drained, for Alfalfa will not stand moisture too close to the surface.

It can be either drilled or broadcasted in, and from 15 lbs. to 25 lbs. per acre is required. It is best to sow in the fall or spring. Our Alfalfa Seed is grown out of the State, on high land, and before putting it on sale we determine the purity by government test to make certain that it is absolutely free from any injurious weeds. Our large trade is built up on supplying the best seed. Prospective customers can secure samples and have tests made free of charge at the Branch Seed Testing Laboratory, University of California, Berkeley, Cal.

Extra Choice Reclenanced Alfalfa. Known also as Chilian Alfalfa.

The best acclimated sort, and recommended for all-round growing. We are always prepared to quote the lowest market prices for seed. **Lb. 55c; larger quantities at market price; write or wire.**

Grimm. This is the hardest strain of Alfalfa there is and will stand the cold winters even of Minnesota. Ours is the genuine stock. Grimm Alfalfa is drought-resisting, winters perfectly, thrives on all soils except undrained meadow land and is unaffected by extreme hot, cold, wet or dry climate. Sow 12 lbs. of seed per acre. **Lb. 85c; 10 lbs. \$8.00; 100 lbs. \$75.00.**

Peruvian Alfalfa, Smooth Strain. Grows very quickly and yields heavily. **Lb. 55c; 10 lbs. \$5.00; 100 lbs. \$45.00.**

Hairy Peruvian This is a wonderful new alfalfa. It yet cool and makes one or more additional cuttings a season. This gives an additional tonnage—sometimes 90% additional. The leaves and stems are covered with the fine downy hairs. Also the stems are soft and do not become woody. **Lb. 60c; 10 lbs. \$5.20; 100 lbs. \$47.00.**

Turkistan or Dry-land Alfalfa. The true strain is impossible to secure now. **Unable to supply.**

CLOVER SEEDS

Inoculate this Seed with **FARMGERM.**

The prices of some varieties of Clover, Grass and Field Seeds may change as the season advances. Prices now given are those prevailing when this catalog was published. Kindly write for samples and special current prices before ordering in large quantities.

Alsike or Swedish Clover (Trifolium Hybridum). A perennial variety, sometimes preferred to Red Clover, as it is generally finer and makes better hay for horses. The blossoms are also valuable for bees. Alsike succeeds on wet, cold and stiff soils. Sow 8 to 10 lbs. per acre. **Lb. 85c; 10 lbs. \$6.00. 100 lbs. write for prices.**

Bokhara, or Sweet Clover (Melilotus Alba). Grows three to five feet high, covered with small white flowers of great fragrance. Very valuable for bee pasture. Also for cattle pasture. Bokhara roots deeply and is a very hardy grower. It grows abundantly in Nevada. It is a biennial which reseed itself. Sow 10 lbs. to the acre. **Lb. 40c; 10 lbs. \$3.50; write for prices on larger quantities.**

Burr Clover (Medicago Denticulata). **Lb. 50c; 10 lbs. \$4.20. Crimson, or Italian** (Trifolium Incarnatum). An annual variety, growing 20 to 30 inches high. **Lb. 40c; 10 lbs. \$3.20.**

Mammoth Red, or Sapling (Trifolium pratense). Similar to Red Clover, but coarser, taller and more hardy. Sow from 12 to 15 lbs. per acre. **Lb. 70c; 10 lbs. \$6.70; write.**
Mellilotus Indica (Bitter Clover). An annual quick-growing cover crop. Not good for forage or hay. Starts early to grow and is of good size when ready to plow under. Sow 10 to 15 lbs. per acre. **Lb. 20c; 100 lbs. \$10.00.**

Red Clover (Trifolium Pratense). Standard clover for all purposes. Yields the heaviest crop of any variety except alfalfa; makes superior hay, especially if mixed with Timothy. Sow from 12 to 15 lbs. per acre. **Lb. 70c; 10 lbs. \$6.20; write.**

White Dutch (Trifolium Repens). Dwarf spreading vine-like variety, with white blossoms; used largely for bee pasture. It is also an excellent pasture plant for either sheep or cattle; also makes a beautiful lawn. Sow 10 lbs. per acre. **Lb. 76c; 10 lbs. \$7.30. If interested in cheaper grades write us.**

MISCELLANEOUS FIELD SEEDS

- Ailfaria (Erodium cicutarium).** One of the most nutritious of fodder plants and well liked by cattle and horses. Ailfaria will thrive and make good pasture on dry hillsides. May be found on Mt. Tamalpais as a pasture. Seed mats and must be hand sown. Sow 20 lbs. per acre. **Per lb. 75c.**
- Australian Salt Bush (Atriplex semi-bacata).** A valuable forage plant for poor soils, especially those containing alkali. Sow seed in the fall to get the benefit of early rains, using one to two lbs. per acre. After the plant gets a good start it will grow with very little moisture. In cutting fodder be careful not to injure the crown of the plants. **Oz. 10c; lb. 75c; 10 lbs. \$7.00.**
- Buckwheat (Common).** The best and most profitable variety. It is earlier than Silver Hulled and usually more productive. Is also excellent for bee pasture. Sow 25 lbs. per acre. **Lb. 15c; larger quantities on application.**
- Canada Field Peas.** A strong, vigorous pea often planted for green manure to plow under in the spring. Makes an excellent winter growth when sown in fall; very useful for fodder. Sow 75 lbs. per acre broadcast. **Lb. 20c; larger quantities on application.**
- Cow Peas, Black Eye.** This is the common Cow Pea extensively grown in the interior valley. It has a long root and stands heat well. Cow peas are partly hardy to frost—more so than beans. The seed of this sort looks like a bean and is often called Black Eye Bean. Sow 60 lbs. per acre if drilled or 100 lbs. broadcast. **Lb. 15c; market varies. Write for prices on larger quantities.**
- Cow Peas, Whippoorwill or Speckled.** Largely sown to make a rich succulent growth to plow under to enrich the soil. This makes a good, long vine. Mixed with Soy beans they make an excellent crop. Will grow in an acid soil. Sow 60 lbs. per acre. **Lb. 20c. Write for other prices.**
- Emmer.** A valuable grain from Russia. Grown in the United States for several years. It is adapted to a wide range of soils and climate, and is of superior feeding value, yielding much more heavily than oats and barley. This grain grows tall, like rye, and matures as early as barley, and yields from 40 to 80 bushels to the acre, and from four to six tons of straw-bay. Tough and hardy, it stands the drought better than any other grain, making it a sure crop. Prepare your land as you would for wheat or oats, and sow at the rate of 75 to 100 lbs. per acre. Sow very early in the spring or fall, and do not let it stand until it gets too ripe before cutting, as any grain that yields well, shells easily. In the green state it makes an excellent pasture. **Lb. 15c; 100 lbs. \$7.50.**
- Espacette or Sanfoin (Onobrychis sativa).** **Lb. 40c.**
- Hairy Vetch, or Sand Vetch (Vicia Villosa).** **Lb. 50c; 10 lbs. \$4.20.**
- Hemp (Kentucky Hemp).** A staple crop for manufacturing sown broadcast, using 25 lbs. of seed per acre. For a seed crop should be sown in bills four feet apart. Grows 12 to 14 feet high, with deep cut, dark-green leaves, which are rather fragrant. Makes a stately row along a walk, and is an interesting garden annual. The seed is used for birdseed. **Lb. 15c; larger quantities on application.**
- Kale, Jersey or Cow.** A tall-growing variety having a large bunch of cabbage-like leaves on top of a stout stem. Is much grown for chicken and cow feed. The green feed from these plants is very great, and is borne continuously. **Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.15.**
- OWING TO FREQUENT FLUCTUATIONS ON CLOVER AND FIELD SEEDS, WE WILL NOT LIST THE 100-LB. PRICE, BUT REQUEST THAT YOU WRITE US FOR SAMPLES AND PRESENT QUOTATIONS. WE CARRY ALL FIELD SEEDS IN IMMENSE QUANTITIES AND ARE ABLE TO QUOTE LOW PRICES**

PASTURE MIXTURES OF GRASSES

We have two mixtures of grasses which are excellent for pasture. They contain all of the best grasses for feeding, including those highly priced. No effort or expense has been spared to get the best. Sow 40 pounds per acre.

MORSE'S DRY PASTURE MIXTURE, per lb. 40c; per 100 lbs. \$30.00.

MORSE'S WET PASTURE MIXTURE, per lb. 40c; per 100 lbs. \$30.00.

Grasses and clovers and field seeds have prices that fluctuate, so write for samples and market quotations.

GRAINS

We carry specially reselected for seed the following grains: Common Barley, Winter Rye Grain, Black, Red or White Oats. Write for prices on these grains.

SORGHUMS

For Forage and Grain

Cultural Directions—Deep plowing, thorough harrowing so as to secure the best possible seed bed; four lbs. of White M. should be ample per acre; three to four lbs. of Feterita; planting should not be done until the ground has warmed up, which would generally be about the last of April. If a corn planter is used, the seed should be dropped about 18 inches apart, in the row, the rows being 40 to 44 inches apart. All varieties are non-saccharine except Honey and Early Amber Sorghum.

Dwarf White Milo and Feterita.—Under ordinary conditions the crop should mature in 90 to 100 days from the time of planting. If sufficient water is available for two irrigations, we believe that two complete crops of both seed and fodder could be obtained under normal conditions. In our own crop growing this season the Feterita started to head out 40 days after the time of planting. We have a good supply of hand-selected seed, grown particularly for seed purposes, carefully re-cleaned and graded, which we are offering as follows:

DWARF WHITE MILO. Succeeds under a wider range of conditions than others of its class. Yields very heavily in grain and also heavily in fodder or silage. Our seed is especially grown and selected for heavy yield. **Lb. 15c.** Write for prices. The prices for Sorghums are not available at the time of going to press.

Broom Corn (Improved Dwarf Evergreen). Used for making hooch, and extensively used on account of its green color and fine long straight brush. It grows about seven feet high. **Sow 10 lbs. per acre. Per lb. 20c.** Write for prices.

Egyptian or Jerusalem Corn. Belongs to non-saccharine sorghums. It is considered a good grain for dry sections and seasons. It produces several small heads on side shoots, often as many as eight heads on a stalk. The seed makes excellent chicken feed. Plant eight lbs. per acre. **Lb. 15c; 10 lbs. \$1.00.** Write for prices per 100 lbs.

HONEY SORGHUM (Saccharine)—For Forage and Silage. Anywhere that Indian Corn can grow this crop can be successfully raised and will stand more drought and heat.

Honey Sorghum is the new heavy yielding forage crop, and the sure one to fill the silo. It grows from 3 to 12 ft. high and produces rather slender leafy stalks. In tonnage this new Honey Sorghum gave 27 tons per acre without irrigation, outyielding its nearest competitor by a third, or to put it another way, Honey Sorghum yielded one-half more.

Honey Sorghum is late in maturing, taking from 140 to 150 days. If you are following a crop of harley and time is an object plant Early Amber, which yields less but matures in four months.

Sow in 3-6 ft. rows, using 3 to 4 lbs. per acre. "Forage and especially silage is essential to the success of the dairy industry." University of California Bulletin No. 293. Send to the University of California for this Bulletin and read the detailed tests made with Honey Sorghum. This bulletin's title is "Sweet Sorghum for Forage." It tells the proper time to harvest. Our Honey Sorghum is specially grown and selected for seed.



Honey Sorghum. This crop made 27 Tons per acre—no irrigation.

The Pacific Rural Press in their issue of Nov. 2nd says: "Honey Sorghum in Stanislaus county is reported to be a profitable crop. Some farmers are getting from 100 to 300 gallons of molasses per acre. In several districts thirty tons of sorghum is being taken per acre. Many of the farmers are using their sorghum for silage and the surplus is being put into molasses."

Per lb. 20c. Write for prices on larger amounts.

FETERITA. Birds do not eat this grain Sorghum to the same extent that they do others, and this is a great advantage in some localities. Feterita yields heavily in grain. Plant in May. **Lb. 15c; 10 lbs. \$1.00.** Write for prices.

Kaffir Corn, White. Grows from 6 to 10 feet high and thrives in hot, dry climates. Makes good fodder for cattle and the seed is used for stock and chicken food. Sown in rows three feet apart, using three to five lbs. per acre. **Lb. 20c; 10 lbs. \$1.50.** Write for prices.

Shallu or Egyptian Wheat. A tall-growing sorghum which has many stalks from one root. Sow in rows for grain, using 3 to 5 lbs. per acre or broadcast, using 30 lbs. for fodder. **Lb. 20c.** Write for prices.

Sudan Grass. For hay or forage. Has slender stalks. See page 41. **Sweet Fodder Sudan.** Novelty. See page 9.

Sugar Cane Sorghum, Early Amber. A good fodder if cut when the heads form, or good silage if cut when full grown. Early Amber is quick maturing and therefore best for late sowing. Several cuttings may be had if the season is long enough. Is nutritious and yields a heavy crop. Syrup can be made from this variety. Sow late in April or after, using five lbs. of seed per acre in drills or 25 lbs. broadcast. **Lb. 15c.** Write for prices.

Inoculate this Seed with FARMGERM.

COVER CROP AND GREEN MANURE CROPS

There is no way so good to improve soils as to grow a cover crop of some leguminous plant and then to plow it in when just coming into flower, or at the time of the last spring rains. This growing of cover crops is being done very largely in the orange orchards in the South and each year more is being planted in the North.

For orchard work the best time to plant cover crops is in the Fall; the best way to get a fine, healthy growth of plants is by inoculating the seed at the time of sowing with Farmgerm. The highest returns, in nitrogen added, come from crops inoculated. Nitrogen is fertilizer when added as above, improving your soil and adding dollars to your crop. This is no experiment; it has been proved.

MELILOTUS INDICA (Bitter Clover). The crown of the plant has many stalks leading out from it. Sow shallow. Flowers yellow. See page 42. **Per lb. 20c; 100 lbs. \$10.00.**

BURR CLOVER (Medicago Dentulata). **Per lb. 50c; 10 lbs. \$4.20.**

SPRING VETCH (Vicia Sativa). Carloads of this are planted for cover crop each year. Vetch does not grow luxuriantly until the coldest weather has passed. Greatly needs inoculating. **Per lb. 20c; 100 lbs. write for prices.**

CANADA FIELD PEAS. Excellent for cover crop or for forage for cattle. Makes a good growth even if planted late. Sow 70 to 80 lbs. per acre. Inoculated soils are essential. **Per lb. 20c; larger quantities on application.**

SWEET CLOVER or BOKHARA (Melilotus Alba). See page 42.

SOY BEANS or SOJA BEANS and COW PEAS (Black Eye and Whippoorwill). See page 43.

CALIFORNIA TREE AND SHRUB SEEDS

The vitality of tree and shrub seeds cannot be tested before the sale, but only such seeds are sent out as we believe will give complete satisfaction. No guarantee of genuineness or germination can be given, and we presume that parties ordering have read the above and agree to the conditions.

Prices per packet, 10 cents, except where noted.

Ables Douglasii (Douglas Spruce). A very large and important timber tree, 200 to 300 feet high; of pyramid shape. Found throughout the Rocky Mountains, from Oregon to Mexico. Very hardy. **Oz. 50c; lb. \$5.00.**

California Fan Palm (Washingtonia Filifera). Our well-known hardy fan palm with threads on the leaves. The leaves hang on after they have dried. **Oz. 15c; lb. \$1.50.**

Cupressus Arizona (Blue Cypress). A handsome tree with horizontal branches and open head. Forty feet high and very blue in color. **Oz. 40c; lb. \$4.00**

Goveniana (Goven's Cypress). 30 to 40 feet high, very ornamental; found in the Coast Ranges of Monterey. **Oz. 40c; lb. \$4.00.**

Lawsoniana (Lawson's Cypress). A handsome tree with white fragrant wood, free from knots; easily worked and durable. **Oz. 40c; lb. \$4.00.**

Macrocarpa (Monterey Cypress). A tree 40 to 60 feet high, rough bark; spreading, horizontal branches, rich green foliage; very ornamental for lawns or parks; also used extensively for hedges. **Oz. 20c; lb. \$2.00.**

Pyramidalis (Italian Cypress). This variety is of upright pyramidal growth, and is much used in cemeteries. **Oz. 40c; lb. \$4.00.**

Grevillea Robusta (Silk Oak of East Australia). Beautiful fern-like foliage; of rapid growth, flowering when about 20 feet in height; covered with bright orange-scarlet flowers. **Pkt. 15c; oz. 75c.**

Libocedrus Decurrens (Thuja Craligiana). A fine hardy timber tree, known as White Cedar of California. **Oz. 40c; lb. \$4.00.**

Picea Grandis (Western Balsam Fir). Grows 200 to 300 feet high; 4 to 6 feet in diameter; grows rapidly in rich, moist soil; valuable timber tree. **Oz. 40c; lb. \$4.00.**

Picea Magnifica. The Red Fir of the Sierras, found at an altitude of 7000 feet; very hardy. **Oz. 50c; lb. \$5.00.**

Date Palm (Phoenix Canariensis). A beautiful long-leaved variety, growing to an immense height. **100 seeds for 20c; 1000 seeds for \$1.25; per lb. 60c.**

Pepper Tree (Schinus Molle). Handsome shade trees, with feathery leaves and red berries. **Oz. 15c; lb. \$1.50.**

Pinus Insignis (Monterey Pine). A very ornamental tree for parks and lawns, grows from 60 to 70 feet high; of rapid growth; has beautiful green foliage. **Oz. 35c; lb. \$3.00.**

Jeffrey. A magnificent tree, usually found at an elevation of 5000 feet; very hardy. **Oz. 35c; lb. \$3.50.**

Lambertiana (Sugar Pine). A hardy tree of gigantic dimensions, found on both slopes of the Sierras. A very fine timber tree. It bears long large pine cones at the tips of its branches. **Oz. 30c; lb. \$3.00.**

Ponderosa (Yellow Pine). One of the largest pine trees known. It is a valuable timber tree found in the Sierra mountains. Its trunk is straight and tall. Very hardy. **Oz. 30c; lb. \$3.00.**

Sabiniana (Nut Pine). Abundant over the dry and hot hills of the Coast Range. Very hardy. **Oz. 30c; lb. \$3.00.**

Sequoia Gigantea (Wellingtonia Gigantea). The mammoth tree of California. This is the largest tree known to exist on the American continent. **Pkt. 25c; oz. \$1.00; lb. \$9.00.**

Sempervirens. Usually known as California Redwood. The most valuable timber of the California forests. **Oz. 40c; lb. \$4.00.**

ACACIA AND EUCALYPTUS TREE SEEDS

In a few years large trees will grow from seeds. Sow Eucalyptus seed near the top of the ground and have leaf mould worked into the soil. Shade with a cheese cloth screen 2 feet above bed. Eucalyptus seedlings are apt to damp off so water lightly and in the forenoon. Pour hot water over acacia seeds before sowing.

Price per Packet, 10 cents, except where noted.

ACACIA Balleyana. A handsome tree, with bluish-green foliage. One of the most beautiful of the Acacias. **Oz. 40c; lb. \$4.00.**

Decurrens (The Black Wattle of Australia). In California it has grown over 50 feet in eight years. **Oz. 40c; lb. \$4.00.**

Lopantha. One of the rankest growing sorts, makes a bush 15 to 20 feet high with spreading leaves. Largely used in Golden Gate Park. **Oz. 25c; lb. \$2.50.**

Melanoxylon. Makes a sidewalk tree which can be trimmed to a nice round compact growth; foliage dark green; flowers yellow. **Oz. 35c; lb. \$3.50.**

Mollissima. A fine, erect, rapid-growing tree, with bluish green, feathery foliage; flowers yellow and borne profusely in racemes. **Oz. 40c; lb. \$4.00.**

EUCALYPTUS Amygdalina (Giant Gum Tree). Is one of the best for subduing malarial effluvia in fever regions, although it does not grow with quite the same ease as the Eucalyptus globulus. **Pkt. 15c; oz. 75c; lb. \$7.50.**

Citriodora. The well-known lemon-scented gum, a popular favorite. **Pkt. 35c; oz. \$2.00.**

Corynocalyx (Sugar Gum). This variety will stand more frost (22°) than any other Eucalyptus and will also stand more drought. Quick growing timber variety. **Oz. \$1.00; lb. \$9.00.**

Ficifolia Scarlet. Very ornamental for lawn or avenue planting; has beautiful crimson flowers. **25c per packet of 25 seeds.**

Globulus (Blue Gum). A very rapid-growing tree making valuable timber. The common variety—the one most generally planted. **Oz. 50c; lb. \$5.00.**

Leucoxylin Pink (Ironbark Tree). The culture of this variety is desirable on poor, stony land, where other Eucalypti would be unsatisfactory; flowers are a beautiful cerise pink. **Pkt. 15c; oz. \$1.50.**

EUCALYPTUS Marginata (Jarrah of Western Australia). A very excellent timber. Resists teredo, on which account it is largely used for piles. **Oz. \$1.00.**

Polyanthema.. A fine street tree, round leaf and slow grower. **Pkt. 15c; oz. \$1.00.**

Populifolia. Grows 30 to 40 feet tall; leaves drooping, wide and crinkled; excellent street tree. **Pkt. 15c; oz. \$1.00.**

Punctata. Fine tall timber tree, grows to 100 feet; shiny dark green foliage, smooth trunk. **Pkt. 15c; oz. 50c; lb. \$5.**

Robusta (Swamp Mahogany). Thrives best on low grounds, especially near the sea coast; makes a good tree for street planting. **Oz. 60c; lb. \$6.00.**

Rostrata (Red Gum). A rapid-growing tree; stands heat and considerable cold without injury. Imported, **oz. 75c; lb. \$7.50; domestic, oz. 40c; lb. \$4.00.**

Stuartiana (Apple-scented Gum Tree). Seems to do equally well on rather dry and sandy as on humid soils. The wood is of a handsome dark color and takes a good polish. **Pkt. 15c; oz. \$1.00.**

Tareticornis (Gray Gum). A very hardy, quick-growing Eucalyptus; largely used for railroad ties, etc. One of the sorts most often planted for timber; makes a hardwood which is reddish in color and can be stained and used as a substitute for mahogany. **Oz. 40c; lb. \$4.50.**

Viminalis. In poor soil it grows to moderate height; in rich soil it attains gigantic size. **Oz. 50c; lb. \$5.00.**

We import seed of the following desirable varieties of Eucalypti, and offer at the uniform price of 15c per packet, \$1.00 per ounce.

- | | | |
|---------------------|------------------------|--------------------------------------|
| E. Cambagel. | E. Hemiphloia. | E. Saligna. |
| E. Coriacea. | E. Maculata. | E. Resinifera. |
| E. Crebra. | E. Melliodora. | E. Rudis. A fine street tree. |
| E. Goncalyx. | E. Obliqua. | E. Piperta. |
| E. Gunnill. | E. Platyphilla. | E. Siderophloia. |

See under the head of Eucalypti—in our Nursery Department—for varieties we can furnish in plants.

FLOWER SEEDS

There are no more satisfactory flowers than those grown from seed, especially the easily grown and brilliant flowered annuals. The beautiful shrubs and lilies, of course, have their place, but are far more expensive than a paper of seeds which will furnish a large number of plants with usually enough for one's garden and some to spare.

Aim to have your garden one artistic unit, with some flowers in bloom at all seasons, with colors which harmonize, and with plants in size grading from the dwarf border, to the very large single and double flowers, and then to the tallest plants which usually should stand next to the house or other confines of the garden or lawn. A garden carefully thought out and planned gives very much more pleasure than a haphazard one.

A perfect garden could not be made from seed alone; the grounds must have some shrubbery for its permanent character. We are connected with The Valencia Nursery of Oakland, Cal. who will supply every need for private grounds of all dimensions; see our list of trees and shrubs in the succeeding pages of this Guide. On the other hand, no garden would be pretty or satisfactory which did not have a good number of flowers from our flower seed list most carefully chosen and placed in the garden.

There is doubt with many as to the best time to plant the different flower seed. There is a new book by Prof. E. J. Wicks on size grading from the dwarf border, to the very large single and double flowers, and then to the tallest plants which usually should stand next to the house or other confines of the garden or lawn. A garden carefully thought out and planned gives very much more pleasure than a haphazard one. There is no doubt with many as to the best time to plant the different flower seed. There is a new book by Prof. E. J. Wicks on size grading from the dwarf border, to the very large single and double flowers, and then to the tallest plants which usually should stand next to the house or other confines of the garden or lawn. A garden carefully thought out and planned gives very much more pleasure than a haphazard one. We will mail postpaid for \$1.20.

WHEN TO PLANT FLOWER SEED

In describing many of the different flowers we have used the terms "annual," "hardy annual," "tender annual," "perennial," "tender perennial," etc. These may have seemed to you tiresome descriptions, but properly understood they tell much about planting. The dates in the following brackets will vary with the time that heavy frosts come in different places. While they show the best months for San Francisco, planting may be extended much later in all cases. In most of California perennials and hardy annuals will do best if planted in the Fall.

TENDEE or **Greenhouse**, means the plant will not stand the least frost. All such must be planted late in spring (May) or in a greenhouse.

HALF HARDY means the plant will stand any light frost, but needs protection against very cold weather. These should be planted in the spring (March and April), not in the fall.

HARDY means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (October to May). If sown in the fall they will come into bloom earlier than if sown in the spring, even if the plants do not make much progress during the cold weather.

ANNUALS are plants that bloom the first year from seed, and the plant dies after one season. Tender annuals must be sown in spring (April to June) and hardy annuals may be sown in either spring or fall (October to May).

BIENNIALS are plants that bloom the second year from seed, and the plant dies after the second year. In California many of these will bloom the first year if sown early. Sow under same conditions as perennials.

PERENNIALS are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February to April 15) many perennials will bloom the first year from seed. Tender and half-hardy perennials are best sown in spring after frost is over (April 15 to June). Hardy perennials are best sown in the late summer and early fall (July to October) for the next year's flowers.

HOW TO SOW FLOWER SEEDS

The success from sowing seeds depends upon three things: the right amount of water, of air, and of heat, which means practically have your soil right as to moisture and texture, your seed sown at a proper depth and where the sunshine can furnish the heat. Soil that is hard and going to bake is not right to start seeds in. Take such soil in the fall and spade in manure or leaf mould and let it rot for several months, and then work up fine. In spring add to a heavy, that is clayey soil, peat or decayed leaf mould, and sand (sharp, fresh-water sand), so that there is one-third loam, one-third sand, and one-third leaf mould. This makes an excellent soil for starting fine seeds. Or potting add a small amount of old sheep or cow manure.

SEEDS IN THE OPEN

Seeds of hardy annuals are sown directly in the bed where they are to remain, or they may be sown in boxes and transplanted. Have the ground well worked up and mixed with peat or leaf mould (both may be secured from us) if needed. The soil should be well moistened, not wet and soggy, and not, by any means, dry when the seeds are sown. Put all medium-sized seeds at a depth of one-quarter to one-half inch. Sweet Peas should go deeper. Very fine seeds should be pressed into the soil and a little sand or dry sphagnum moss sifted over them. Water more frequently if the seed is close to the surface and if necessary protect with cheesecloth while watering. Always press or firm the soil after sowing any seeds. These seeds are best sown in the open, so as not to be transplanted. Eschscholtzia, Nasturtium, Poppy, also very many others, may be profitably so sown. If the seed be sown directly in the garden, it should be sown in the spring after the soil is well worked and when in moist condition. A slight depression should be made with a stick, the seed sower and their covers with sandy loam about twice the depth of the diameter of the seed. The sand will prevent the crusting over of the soil after watering.

When up, the plants must be thinned from two to twelve inches, depending on the variety, otherwise they will be weak and spindling. It is a common mistake in the garden to leave plants altogether too thick. Always keep the weeds out.

SEEDS IN BOXES

Always use care in getting a good loam as described above. Use no manure in any seed bed. Boxes 4 inches deep and 18x24 inches is the usual size. See that good drainage is provided by being high at the bottom; fill with the fine prepared soil, which should be well moistened, not wet and soggy, and not, by any means, dry when squeezed with the hand. Sow the seed about one-quarter inch deep, except fine seeds. Water so as to keep the soil always just moist. Water carefully and regularly. A pane of glass over the box adds more heat, protects from draught, prevents drying out, and is not necessary except for difficult seeds. The box should be in the sunlight. When the plants are in third or fourth leaf they should be pressed in another box with plenty of room, for it is important that the plant be of good size, strong and sturdy, when finally transplanted in the garden.

Special care is required by the seeds of tuberous begonias, calceolarias, gloxinias, petunias and primulas, which are fine and delicate seeds. Fill a good-sized flower pot first with some crock or coarse drainage material, then with a little moss or peat, and mainly with prepared soil as described above. Firm the soil, which is of course moist, sow the seeds on the surface, press it in, and sift a light layer of sphagnum moss over the top. Do not water this pot, but put it in a box filled with sphagnum moss on all sides and keep this moss wet. The moisture will seep through the sides of the pot in sufficient quantity to germinate the seed. Cover the pot with a pane of glass, which remove gradually later from the young plants. Surrounding by wet moss is also a good expedient to keep moisture even for seeds which require a long time to germinate.

Another mistake in sowing flower, as well as other seeds, is covering too deep. As a general rule, cover only to the depth of the thickness of the seeds, or, with medium-sized seeds, like Balsam, Zinnias, etc., one-quarter to one-half inch is the proper depth. Such fine seeds as Portulacae, Nicotiana, etc., need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier annuals may be sown where they are to grow; but, often, it is preferable to transplant. When the seedlings are first set out they should be watered frequently and should be protected from too much sunlight and from heavy rains. Provide some support for all such annuals as require it.

On account of the long, dry summers in California, it is necessary to apply water very often. Most of our gardens suffer for want of sufficient water. Where possible, it should be applied to the roots only. Do not over water, but water frequently enough and with such quantity that it reaches the roots.

With a little study of the garden and the colors and habits of the flowers, a garden as beautiful as those at the Exposition can be had from the use of MORSE'S SPLENDID FLOWER SEEDS at very little cost.

GLADIOLUS

Morse's Collection of Gladiolus which follows contains new and old varieties, and all of them are fine. Some of the old varieties have not been improved upon and they are offered at cheap prices because they have been for years before the public. Our aim is to offer the best sorts without regard to price. This we have done and have kept the prices within moderation. The quality of these bulbs, and the size of flowers, purity of color, bold effect of the flower spike, cannot be improved upon. Morse's Collection contains the best only.

Gladioli do well in San Francisco, standing against the cold summer winds, and blossoming most freely for weeks. These best sorts are very tall and erect, often 4 to 5 feet high, with spikes of bloom over 2 feet long.

The culture of the Gladiolus is of the easiest. Set the bulbs about 3 inches deep and 7 or 8 inches apart each way.

(If wanted by mail add postage at parcel post rates. Weight of 1 doz. 1½ lbs.)

America. A very popular sort and most deservedly so. The flowers are a soft lavender pink, or a light flesh pink, with a lavender tint; the blossoms all face one way and are very large. **Each 6c; doz. 60c; per 100 \$4.00.**

Augusta. Lovely pure white, with blue anthers. **Each 6c; doz. 60c; per 100 \$4.00.**

Baltimore. A splendid variety with 12 to 14 flowers to a stem, all facing one way and large—4 in. or more across. The color is a beautiful coral pink with darker blotch at the throat. **Each 12c; doz. \$1.25; per 100 \$8.00.**

Baron Joseph Hulot (Blue King). Without a doubt the finest blue Gladiolus. It is a rich deep color, of an indigo shade; much superior to Blue Jay. If you have never seen a good blue Gladiolus, try this one. **Each 10c; doz. 85c; per 100 \$6.00.**

Bortrex. Extra super white. Flowers are large and of strong texture. They come in two rows with seven open at once. Spike tall, straight, branching, winner of a silver cup. **Each 25c; doz. \$2.50.**

Chicago White. Fine white with flowers of unusual substance. **Each 10c; doz. \$1.00; per 100 \$9.00.**

Electra. This variety attracts attention at once. It is a very large, wide open, light scarlet—the center is diffused and lighter, not darker. **Each 15c; doz. \$1.30; per 100 \$9.00.**

Golden King. Rich golden yellow with crimson blotch. **Each 12c; doz. \$1.10.**

Halley. No shade is finer either in daylight or under artificial light. Halley is a delicate salmon and blossoms early. **Each 6c; doz. 60c; per 100 \$4.00.**

Herada. A very rare color and one not often found even in the best collections. It is a clear mauve and most striking. All the flowers face one way. Tall, new and splendid. **Each 25c; doz. \$2.50.**

Liebesfeuer (Love's Fire). A most striking new Gladiolus of a bright coral shade. The flowers and spike are fine. **Each 25c; doz. \$2.50; per 100 \$17.00.**

Mrs. Francis King. A lovely light scarlet or flame color. The flowers are unusually well arranged. A variety much used for commercial planting on account of its pleasing tone of color and fine large size. **Each 5c; doz. 60c; per 100 \$4.00.**

Mrs. Frank Pendleton. Bright rose pink, shading to a deeper pink at center of petals; very large flowers and tall spikes. **Each 15c; doz. \$1.50; per 100 \$10.00.**

Mrs. W. E. Fryer. Brilliant, fiery orange scarlet, with blotch at throat. **Each 25c; per doz. \$2.50.**

Mrs. Watt. Deep wine color, one solid color and one of the most beautiful new varieties. This shade is unique in this variety. **Each 25c; doz. \$2.50.**

Niagara. Extra fine light yellow; large flowers and strong stems. Tall and of striking beauty. **Each 10c; doz. \$1.20; per 100 \$8.50.**

Panama. A beautiful deep pink, with large, well-expanded flowers and a tall spike. Panama is a deep pink, companion to America, now the most popular pink. Panama is deeper and is a grand acquisition to every collection of Gladiolus. **Each 8c; doz. 75c; per 100 \$5.00.**

Peace. Large flower; white with large pale Cateleya-like feathering on the petals; flowers well placed on the stem. **Each 10c; doz. \$1.15; per 100 \$8.00.**

Prince of Wales. I must confess a partiality for this variety, for its color is so pleasing. I like it the best of all the pinks. The color is a warm light salmon. The flowers open wide and the variety blooms early. **Each 20c; doz. \$2.00; per 100 \$12.50.**

Princepine. Bright red with pure white blotches on lower petals. **Each 10c; doz. 75c; per 100 \$5.00.**

Schwaben. Delicate pale yellow, with dark blotch of a brownish carmine color in the throat. **Each 10c; doz. \$1.10; per 100 \$7.50.**

Yellow Hammer. Clear sulphur yellow of a beautiful appearance, very tall and striking. A new variety. **Each 15c; doz. \$1.50; per 100 \$10.00.**

Collection of one each of the above kinds; 22 bulbs for \$3.00.

(Estimated parcel post weight, 2½ lbs.)

MIXED GLADIOLI

All Kinds Mixed, including many fine sort. **Doz. 75c; per 100 \$5.00.**

Superfine Mixture of finest kinds. **Doz. \$1.25; per 100 \$8.00.**

LILIES

For January, February and March planting. Send our bulb catalogue, which lists them all.

TUBEROSES

(Postage additional, or 1½ lb. weight per doz. Ready in March.)
Excelsior Double Pearl. Extra large bulbs. **3 for 20c; doz. \$1.10; per 100 \$8.00.**



Gladiolus Bertrex

THE YELLOW CALLOW LILY

(Postage additional, weight 1½ lbs. per dozen.) Plant in a well-drained warm spot. **40c each; \$4.00 per doz. Small size 35c each; \$3.50 per doz.**

BULBS

Besides the above we have usually in stock during December and January bulbs of **Tuberous Begonias**, single mixed, each **30c; doz. \$3.00.** **Tuberous Begonias**, double mixed, each **35c; doz. \$3.50.** **Caladiums**, each **30c; doz. \$3.00.** Bulbs may be still planted. Write for catalogue.

OUR FALL CATALOGUE OF BULBS is issued each October, fully describes the splendid bulbs which we import each year. Ask to have this catalogue sent to you in the Fall if you reside outside of Pacific Coast States.

Novelties in Flower Seeds

ESCHSCHOLTZIA, CHROME QUEEN

Delicately frilled and of the prettiest light yellow with just an apricot shading, this new Eschscholtzia is one of the very prettiest of these flowers.

Our state flower is the native Eschscholtzia, of which this is a most charming variation and improvement in size and form.

Per Pkt. 10c.

MIGNONETTE, GOLIATH

No one who has seen this mignonette properly grown will forget his first surprise at seeing such a truly large mignonette. The spikes when well grown are 12 inches tall, and the flowers are in proportion. A new and desirable acquisition to the lovers of this fragrant flower.

Per Pkt. 10c.

WALLFLOWER, GOLDEN MONARCH

Wallflowers can be had in bloom in either summer or winter, according to the time the seed is sown. Golden Monarch is an exceptionally bright, large-flowered, pure yellow new variety.

Per Pkt. 10c.

WALLFLOWER, VULCAN

A new improved bright crimson, to go with Golden Monarch.

Per Pkt. 10c.



Rose Queen Columbine

COLUMBINE, ROSE QUEEN

There is no prettier flower in the garden than the Columbine. Especially are the new sorts desirable, for the outer row of petals is large and spreads out showily.

Rose Queen is a beautiful pink with large flowers borne on stems well above the plants. Plants are perennial, and in bloom a long time.

Per Pkt. 15c.

STATICE, RUSSIAN

This new and rare flower was in San Francisco flower shops last year, and few knew its name. Russian statice has long spikes of small pink flowers, which keep splendidly as a cut flower. When dried it is everlasting. The flower spikes are slender, pretty, and graceful. Seed is difficult to procure.

Per Pkt. 20c.

SWEET WILLIAM, PINK BEAUTY

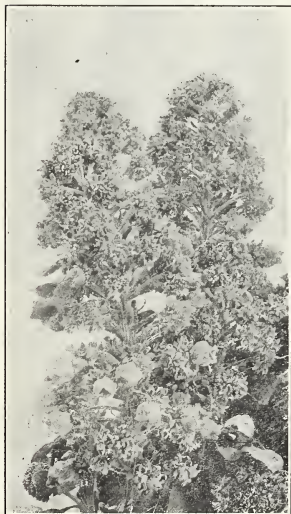
A really good strain of Sweet Williams, with large improved flowers clear pink. Sweet Williams are too well known to need describing, and these new and improved sorts will be most welcome in thousands of gardens.

Per Pkt. 10c.

SWEET WILLIAM, SCARLET BEAUTY

Intensely deep with scarlet, and a companion to the above. Excellent for flower beds or for cutting.

Per Pkt. 10c.



Goliath Mignonette

Novelties in Sweet Peas

Morse's New Early Flowering Long Season Spencer

SWEET PEAS

Wonderful Novelties. Flowers Six Weeks Ahead of All Older Types

These new Sweet Peas were all originated on our Seed Farms. They are new and distinct from the older sorts because of the extremely short time they take to come into flower. They are fully six weeks ahead of the older Sweet Peas, and in taking on this new characteristic they have not lost any of the giant size or refinement of form which make the Sweet Peas such favorites for home growing.

No flower is more grown or will give more pleasure than these dainty Sweet Peas. If you plant some of our early Sweet Peas as well as the Spencer late sorts you will have bloom for a very long time.

Not everybody is fortunate enough to live where Sweet Peas will flourish, and, strange as it may seem, this new class of Sweet Peas is useful, both where the seasons are too hot for Sweet Peas ordinarily, and too cold. Morse's Early Flowering Long Season Sweet Peas will flower well in central and southern California in, Arizona, Texas and the South, also in the Hawaiian Islands, the Philippines and the Orient, and are the best varieties for greenhouse forcing everywhere. In climates which are cold and where frosts come early, these same Sweet Peas, by taking less time to come into flower, will give a month more bloom than the ordinary late varieties.

Morse's New Early Flowering Long Season Spencer Sweet Peas are all of the largest size and best form. Three or four great wavy flowers come on each stem.

Seed planted in early September in San Francisco will produce flowers about Christmas time. Seed planted in October and November will have fine large flowers in February and March.

We do not mean that these New Early Sweet Peas should take the place of the magnificent Late Flowering Spencers, but they are an addition to the garden of those who wish flowers early and late. If you have friends in the Orient, Hawaiian Islands or elsewhere where these new Sweet Peas will flourish, why not send them six or more packets, which would be a most acceptable gift for any flower lover.

Collection—6 pkts. of early varieties at 15c, our selection of good sorts for 75c. Entire 15 packets for \$1.90.

EARLY HERCULES. A giant flower of finest form. Color is bright rose pink of a very pleasing shade on white ground. Flowers are beautifully waved. Fine new sort. Pkt. 20c.

EARLY PINK AND WHITE. A new bright bicolor similar to the fine variety, Blanche Ferry; standard deep rosy pink and wings white with a suggestion of rose color. Pkt. 20c.

EARLY HEATHER BELL. The color is a rich and pleasing mauve, but after standing in water the color becomes a beautiful mauve lavender. Pkt. 15c.

EARLY LIBERTY. Nothing yet introduced has approached this deep sun-proof crimson or blood red. It is the color of "King Edward Spencer." Florists have wanted this shade. The vines are vigorous and bear quantities of fine large flowers. Pkt. 15c.

EARLY MEADOW LARK. A deep, rich cream Sweet Pea. Many of the flowers are duplex and are well waved, and come in threes and fours on strong vines, as do the other varieties we are now introducing. Pkt. 15c.

EARLY MELODY. A deeper shade of pink than Early Song Bird; a good pink closely resembling Countess Spencer. The flowers are borne on long stems and mostly four large, well-waved blossoms to each stem. Pkt. 15c.

EARLY MORNING STAR. Quite the most striking in color of the varieties introduced last year. Morning Star is practically the same color as the much-admired Thomas Stevenson; that is, a deep orange scarlet or plain color in the standard and orange pink in the wings. Pkt. 15c.

EARLY PEACE. A giant cream pink variety. The color is much deeper than Spring Maid. Pkt. 15c.

EARLY RED WING. A rich crimson magenta. The color purples with age out of doors in hot weather, but under glass is bright and clear. Pkt. 15c.

EARLY SNOW FLAKE. As its name indicates, this is pure white and is quite the best early flowering White Spencer. Flowers come on long stems. This variety is appreciated by all florists. Pkt. 15c.

EARLY SONG BIRD. A splendid light pink, the color of "Florence Morse Spencer." This is one of the very popular colors with all Sweet Pea raisers, and this variety has flowers splendidly shaped and placed. Pkt. 15c.

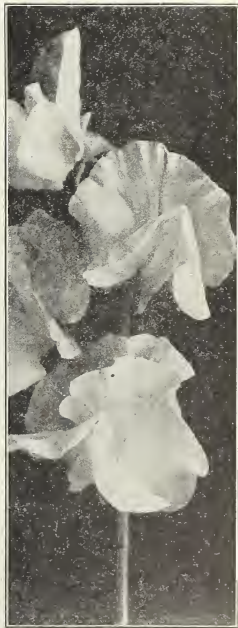
EARLY SONGSTER. A splendid lavender, the color of "Masterpiece," and quite the best lavender. The flowers have less mauve than in our well-known variety "Asta Ohn." They are of perfect form. Pkt. 15c.

EARLY SPRING MAID. Like our other Early Flowering Spencers, this carries a great wealth of blossoms borne in fours on long stems. The color is light flesh pink, about like Mrs. Hugh Dickson. Pkt. 15c.

EARLY SUNSET. A pastel shade of great beauty, especially when grown under glass. The color is a rich mauve pink on a white ground. Pkt. 15c.

EARLY WARBLER. Most people who have visited our workshop considered that in Early Warbler we had a gem for the florists and amateur growers. The color is rich mauve purple, somewhat similar to the late flowering variety "Tennant Spencer." The flowers are extra large and beautiful in form. Pkt. 15c.

Collection of one packet each of the above fifteen varieties, \$1.90.



Early Meadow Lark

These Novelty Sweet Peas are all true Spencer type.

Exhibits made from our Sweet Peas took the First Prize at Shanghai, China.

For our big list of Sweet Peas see pages 70, 71 and 72

MORSE'S Flower Seeds 1920

We use the following abbreviations: "h." for hardy; "h. h." for half hardy; "t." for tender; "a." for annual; "b." for biennial; "p." for perennial; "h. a." would be hardy annual, etc.

Cultural directions are given on page 46.

- ABRONIA (Sand Verbena).** h. a. A native of California. Thrives in dry situations and is valuable for rock-work; trailing.
Umbellata. Rosy lilac. Pkt. 5c.
- ABUTILON (Flowering Maple or Chinese Bell-Flower).** h. h. p. A shrub, used generally in greenhouses, but growing into small trees in California. The flowers are beautifully bell-shaped, and appear in white, yellow, rose and orange. Mixed colors. Pkt. 10c.
- ACHILLEA Ptarmica, Double, "The Pearl."** (Sneezewort or Double White Yarrow). One of the best hardy perennials; bears a profusion of small, double, white flowers during the entire season. Fine for cutting and cemetery decoration. Height, 2½ feet. Pkt. 15c.
- ACROCLINIUM.** These are the "Immortelles," so desirable for wreaths and winter bouquets. One foot. Colors light pink and white. h. h. a.
Double mixed, pkt. 5c. *Single mixed,* pkt. 5c.
- ADONIS (Floss Adonis, or Pheasant's Eye).** h. a. 12 inches; flowers crimson and small. Seed should be sown in the autumn. Pkt. 5c.
- AGERATUM (Floss Flower).** Valuable for bedding, as it is literally covered with blossoms all summer. Sown the seed early in the spring, either in boxes to transplant, or out of doors, and thin to four or six inches. h. a.
Blue Perfection. Deep blue, one foot high. Pkt. 5c.
Mexicanum, Imperial Dwarf Blue. Eight inches high, flowers blue. Pkt. 5c.
Mexicanum, Imperial Dwarf White. Eight inches high, flowers white. Pkt. 5c.
Little Dorrit. A perfect mass of blue flowers; plant is six inches high and a foot through. Pkt. 5c.
"Little Blue Star." Very dwarf. Pkt. 15c.
- AGROSTEMA (Rose of Heaven).** This plant has silvery white leaves and red flowers, borne on long slender stems; flowers resemble a single pink; two feet; h. p. *Mixed colors,* pkt. 5c.
- ALSONSOA Warscewiczii Campacta.** Bright scarlet annual about 10 inches high. h. h. a. Pkt. 10c.
- AMARANTHUS.** Hardy annuals, grown especially for their brilliant foliage.
Caudatus (Love Lies Bleeding). Light yellowish-green foliage; long, drooping, crimson flower spikes. Plant three to four feet high. Pkt. 5c.
Oruentus (Prince's Feather). Tall spikes of feathery red flowers. Three feet. Pkt. 5c.
Tricolor (Joseph's Coat). Plant three feet high, with brilliant leaves in variegated, red, yellow, green, etc. Pkt. 5c.
- Ampelopsis Veitchii.** See Boston Ivy.
Angel's Trumpet. See Datura.
Antirrhinum. See Snapdragon.
Aquilegia. See Columbine.
- ANCHUSA, Capensis.** h. a. A clear, bright blue flower with small white eyes, resembling a tall and larger forget-me-not of brighter color; 2 ft. high. Pkt. 10c.
Italica (Dropmore Variety). h. p. 4 ft. Flowers are of deepest gentian blue and are borne continuously. Dropmore is an improvement on the other type. Pkt. 15c.
- ALYSSUM (Maritimum).** A fragrant, hardy annual, having the odor of honey and bearing spikes of small, white flowers in great profusion throughout the summer and autumn.

Common Sweet Alyssum. One foot high, very sweet honey fragrance. Pkt. 5c; oz. 35c.

"Carpet of Snow" or Little Gem. Pure white, very dwarf and sweet scented; the best white flowering border plant; 4 inches tall. Pkt. 10c; oz. 75c.
Saxatile. A yellowish sort; 18 inches tall; h. p. Pkt. 5c.

ANEMONE, Single Giant de Caen. h. h. p. Cup-shaped flowers in blue, red and white in May and June. 9 inches. Pkt. 10c; ¼ oz. 50c.
St. Brigid (Irish Anemone). Enormous blooms, the size of tulips, with great variety of striking colors. Semi-double. Pkt. 15c.

ARCTOTIS GRANDIS (The African Lilac Daisy). A remarkably handsome annual from Africa, forming branched bushes two to two and a half feet in height and breadth; are pure white on the upper surface, reverse of petals pale lilac. Pkt. 10c.

ARISTOLOCHIA SIPHO (Dutchman's Pipe). Strong growing, hardy climber, with large, thick, shining foliage and curious yellowish-brown, pipe-shaped flowers. Seed takes two to three months to germinate. Pkt. 10c.

ASPARAGUS. Seeds start slowly and should be soaked in good warm water before sowing.

Pilosus Robustus. The tall asparagus fern with delicate feathery foliage. Pkt. 10c; 100 seeds 75c.

Pilosus Nanus. A dwarf variety and sometimes preferred on account of its beautiful dense sprays of feathery green. Pkt. 10c; 100 seeds 75c.

Sprengeri (Emerald Feather). Feathery-leaved variety, with drooping branches The variety for hanging baskets. Pkt. 10c; 100 seeds 50c.

AURICULA (Primula auricula). A great favorite in England, where flower shows are held of this plant alone. From a private collection. Pkt. 35c.

AUSTRALIAN PEA VINE (Dolichos Lignosus). A rapid growing evergreen climbing perennial, flowering freely in clusters of rose pea-shaped flowers. For covering arbors, trellises, etc., they have no superior; h. h. Pkt. 10c; oz. 60c.



Ageratum, Blue Perfection

ASTERS

Asters are the queen of late summer flowers—they are equally good for cut flowers and for bedding. Morse's varieties are all of the fine large American kinds with flowers 4 to 5 inches across. An aster bed is a mass of color, delicate pink or blue or other shade. Sow Aster seed in boxes in January and transplant to the garden about April 1-15th, or sow in the open in April; half hardy annual.

CREGO'S GIANT ASTERS

No garden is complete without its Asters. Crego is a giant shaggy petaled kind, with largest flowers of long twisted petals. The stems are long and the variety is early and branching. Crego is an exceedingly popular aster. Morse's strain has exceptionally fine flowers.

Crego's Giant, Crimson.	Crego's Giant, Rose Pink.
Crego's Giant, Lavender.	Crego's Giant, Shell Pink.
Crego's Giant, Purple.	Crego's Giant, White.
Crego's Giant, Mixed.	

All of the above, per packet 10c; any 3 packets for 25c.

MORSE'S MAMMOTH ASTERS

Twisted Petal Type

Morse's Mammoth Asters have petals just a little broader than Crego's and less twisted. Their growth is fairly compact like the old comet variety. The flowers are large and fine and the stems are long. Morse's Mammoth Asters have fine large flowers, over 4 inches across and sometimes 5 inches. Morse's Mammoth Aster is entirely new and is different from all of the other Asters, and has a great charm in the delicacy of the flower. Every garden needs some of these new Asters.

Morse's Mammoth White.	Morse's Mammoth Lavender.
Morse's Mammoth Shell Pink.	Morse's Mammoth Rose.
Morse's Mammoth Purple.	

Per pkt. 20c each; or any two for 35c. Collection one packet of each of the 5 kinds for 80c.

MORSE'S "STANFORD." It's just the Stanford University color—a dark coppery red. This color is most unusual in Asters and is one often sought. The type is branching, 12 inches tall. It is excellent for bedding. **Pkt. 10c.**

PINK ROCHESTER (Mikado). This variety is the first to bloom of the very large asters. Flowers often 4½ inches across; are borne on very long, graceful stems. The flowers are white when first open, changing to a soft pink. **Pkt. 10c.**

SEMPLES, or GIANT BRANCHING. MORSE'S STRAIN. The plant grows 18 inches high and about 18 inches in width, and the blossoms, which are large and full petaled, are borne on long stems or branches. Comes into flower 10 days after the other Asters. The petals are straight and the flower is beautiful. Best colors. Any color, pkt. 10c; ¼ oz. 50c.

Pink or Rose, Lavender, White, Violet King, Light Blue, Crimson, Purple, Mary Semple (very light pink). Collection eight varieties, 60c.

Mixture of above colors, pkt. 10c; ½ oz. 50c.

ASTER, New England Perennial (Michaelmas Daisies). In splendid assortment, four to five feet high; fall blooming. Blue, lilac and pinkish. **Mixed, pkt. 15c.**

Bachelor's Button. See Centaurea Cyanus.

BALLOON VINE, or LOVE-IN-A-PUFF. Climbing annual. **Pkt. 5c; oz. 40c.**

BALSAM, or LADY'S SLIPPER. A tender annual, with brittle stems and foliage. Grows about 12 inches high. Flowers both single and double, in bright colors and variations; are wax-like and grow close to the stem.

Camellia Flowered. Mixed. The largest double variety. **Pkt. 5c.**

Camellia Flowered. White. **Pkt. 10c.**

DOUBLE VARIETIES, AS BELOW, ALL Pkt. 10c.

Red and White Spotted. Light scarlet and white.

Peach Blossom. Flesh pink.

Snowball.

Mixed Tall Doubles. **Pkt. 5c.**

Dwarf Double. **Pkt. 10c.**

BARTONIA AUREA (Golden Bartonla). h. a.; 2 feet tall; is a native of California. Bright yellow single flowers, 2 inches across. Sow the seed where the plants are to remain, since it does not transplant easily. **Pkt. 5c.**

BEAN, Scarlet Runner. **Pkt. 15c.**

BEGONIA

EGONIA. Tender perennial, usually grown in the greenhouse. Some varieties are especially attractive on account of their foliage, but most varieties have exquisitely beautiful wax-like flowers, both single and double. The seed is very small and rather difficult to germinate. It is also very expensive, some strains being worth far more than their weight in gold.

FIBROUS ROOTED VARIETIES

For outdoor culture, having beautiful leaves and bearing clusters of small waxy flowers.

Vernon. Deep-red flowers and dark-purple foliage, often used for borders and for bedding; half-hardy. **Pkt. 10c.**

TUBEROUS ROOTED VARIETIES

For greenhouse and pot culture, having large, beautiful flowers with four petals in brilliant colors. Many prefer to start bulbs in December and January.

Double Varieties. Mixed. **Pkt. 50c.**

International Prize. The finest large flowered single mixture. **Pkt. 50c.**

Single Varieties. Mixed. **Pkt. 35c; ½ pkt. 20c.**



Morse's Mammoth Asters



Calliopsis, Golden Wave

BELLIS PERENNIS (Double Daisy). Often called English Daisy. This daisy makes a fine border and is often seen dotted in a grass lawn; h. a.; six inches.

Extra Double White, or Snowball. A clear white variety. Pkt. 10c; ½ oz. 65c.

Longfellow. Double dark rose. Pkt. 10c; ½ oz. 65c.

Extra Double. Mixed. Pkt. 10c; ½ oz. 60c.

Giant Ranunculus Flowered. A new and giant-flowered daisy which is quite distinct from the little lawn daisy. The flowers are two or three inches across and may be used as cut flowers. Colors, pink or white. Pkt. 15c.

Border Pinks. See *Dianthus Plumarius*.

BOSTON IVY OR JAPANESE IVY (Ampelopsis Veltchi). The popular ivy which covers so many buildings. It clings to brick and wood without support. The leaves are heart-shaped and are off the vine for only two months in the winter. Pkt. 5c; oz. 60c.

BRACHYCOMME (Swan River Daisy). Produces an abundance of pretty blue and white flowers. h. a., 8 in. Pkt. 5c.

BROWALLIA. A half hardy annual, making a fine bedding plant. Blooms profusely. The flowers are bright ultramarine blue, and also sky blue with white center. Mixed pkt. 5c.

CACALIA (Tassel Flower). Hardy annual; scarlet flower. Pkt. 5c.

CALAMPELIS (Bugle Vine). A well known beautiful annual climber; trained to a trellis or south wall it is an ornamental object throughout the summer, its bright orange tubular flowers contrasting effectively with the delicate green of the foliage. Pkt. 10c.

CALANDRINIA Umbellata. Portulaca-like plants, fond of sunshine, well suited for rock-work. Vivid crimson violet. Height ¼ ft.; p. Pkt. 10c.

CALCEOLARIA. A tender perennial, used largely in green-houses and conservatories.

Grandiflora. Large-flowered, self-colored, profuse pocket-shaped flowers. Pkt. 50c; ½ pkt., very few seeds, 30c.

Tigered and Spotted. Mixed. Pkt. 50c.

CALENDULA (Pot Marigold). Very hardy annual, one foot high, blooming freely at any time of year, including winter, and for several months. Is of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive.

CALENDULA—Continued

Double Mixed. A good mixture of 8 or 10 different shades of yellow, some clear colors and some shaded and striped. Pkt. 5c; oz. 20c.

Lemon King. Large double lemon flowers. Pkt. 10c.

Meteor. Yellow flowers, striped with orange. Pkt. 5c.

Prince of Orange. A fine deep orange; double. Pkt. 10c.

California Poppy. See *Eschscholtzia*.

CALLIOPSIS. h. a. Blossoms single and about two to four inches in diameter.

Atrosanguinea. Dark maroon. Plant is tall and flowers are small; one of the old-fashioned varieties. Pkt. 5c.

Golden Wave. A large flowering light yellow variety with maroon eye. Pkt. 5c; ½ oz. 25c.

Bicolor Hybrida Semiplena. Semi-double flowers of garnet and yellow. The old-fashioned small *Coreopsis*. Pkt. 5c.

Mixed. A gorgeous mixture of golden yellow, brown, maroon and other shades. Pkt. 5c.

Lanceolata. See *Coreopsis*.

Tiger Star (Nana Compacta Radiata). Pkt. 10c.

Tom Thumb Beauty. Darker yellow than Golden Wave and with a large crimson center. The plants are dwarf and compact. Pkt. 10c.

Tom Thumb Crimson King. A companion to Beauty in habit and growth. The flowers are a rich dark crimson and of large size. Pkt. 10c.

CANDYTUFT (Iberis). Very hardy and easy to grow and very fragrant; annual 6 to 15 inches tall. The blossoms are borne on variously long spikes, and the newer varieties are quite large flowering and very fragrant. Valuable for bedding or massing and for cutting.

Common Sweet Scented. Small white flowers. Pkt. 5c.

Carmine, branching. Pkt. 5c. Lilac, branching. Pkt. 5c.

Purple, branching. Pkt. 5c.

Dwarf or Tom Thumb. White. Very dwarf. Pkt. 10c.

Dwarf or Tom Thumb. Hybrids. Various shades of white, rose, purple and crimson. Pkt. 10c.

White Rocket. Long spikes and large flowers. Pkt. 5c.

Giant Hyacinth Flowered, or Improved Empress. Very large heads and long spikes of white flowers. An improved strain of Giant Empress and excellent for cut flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c.

Gibraltarica, Perennial Lilac. Shading to white. Pkt. 10c.

Mixture of all colors. Pkt. 5c.



Candytuft, Giant Hyacinth Flowered

CANARY BIRD FLOWER (*Tropaeolum Canariense*). A tender climbing annual of the *Nasturtium* family. Blossoms have curiously winked petals and are light yellow. Soak seed over night before planting. **Pkt. 5c; oz. 40c.**

CANNA. Mixture of the popular varieties. Flowers in red, yellow, and all plants have large ornamental leaves and give a tropical effect. **Mixed, pkt. 5c.**

Bronze Leaved. Pkt. 10c. Green Leaved. Pkt. 10c.

CARNATIONS

Carnations may be had in all gardens. The florists' varieties are propagated from plants. Sow the seed early in the year and transplant in March or April. For florist varieties see our plant department. h. h. p.

Chabaud's Everblooming. Earliest dwarf French type of perpetual, flowering in five to six months after seed is sown. The flowers are double. In mixed colors. **Pkt. 15c.**

Malmison Giant.. Mixed colors. Pkt. 15c.

Picotee. Extra fine double mixed. White, edged with colors, or striped and splashed. Contains many rare sorts never seen at a florist's. **Pkt. 25c.**

Vienna. Double dwarf mixed, double border carnations; early flowering. All colors. **Pkt. 10c.**

MARGUERITE. An extra vigorous race, especially adapted for out-of-door culture. The plants are trim in habit, perpetual, and flower abundantly in five months from sowing the seed. Marguerite Carnations are highly fragrant, and have beautiful double flowers.

White. Pkt. 10c. Striped Varieties. Pkt. 10c.

Light Red and Pink. Pkt. 10c. Dark Red. Pkt. 10c.

Yellow and Yellow Ground. Pkt. 20c.

Collection. One pkt. of each of above, 5 for 45c.

Mixed. Pkt. 10c; ½ oz. 75c.

MARGUERITE GIANT, MORSE'S. An improved strain, with flowers frequently 2½ inches to 3 inches across; strong growers, free blooming.

White Perfection, pkt. 15c. Scarlet, pkt. 15c.

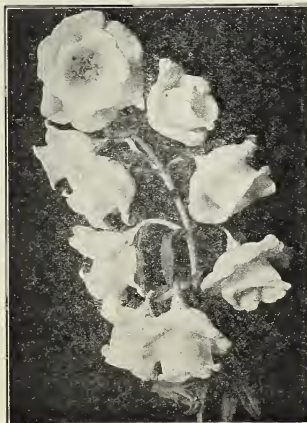
Yellow, pure. Pkt. 15c.

CANTERBURY BELLS

(*Campanula Medium*.) A hardy biennial, blooming the second year from seed, or the first year, if sown early. Easily grown and preferring rich, moist soil. Grows about 3 feet high and bears double and single varieties of blue, white, purple and red flowers.

Single Mixed, pkt. 5c. Single White, pkt. 10c. Single Pink, pkt. 10c. Single Blue, pkt. 10c.

Double Mixed, pkt. 5c.



Canterbury Bells—Cup and Saucer Type



Carnation—marguerite white

Carpatia (Carpathian Harebell). A dwarf perennial; nine inches; for rockeries, edges and beds. Blue and white. **Mixed. Pkt. 5c.**

CUP AND SAUCER TYPE. In this variety the outer petal forms a rim like a saucer. **Mixed, pkt. 10c.**

Light Blue, pkt. 10c. White, pkt. 10c. Pink, pkt. 10c.

Persicifolia. Peach-bell. Perennial; four feet; large flowered. **Mixed, pkt. 10c.**

Pyramidalis. (Chimney Bellflower.) Large flowers on tall (six foot) spikes; blooms late; perennial. **Blue, pkt. 10c. White, pkt. 10c.**

CASTOR OIL BEAN (Ricinus). This has large leaves and a tropical appearance. All it requires to flourish is heat. It is a quick growing annual 6 to 15 ft. tall. Leaves are green or reddish. Commercial castor beans are of a different variety.

Gibson's dark red. Pkt. 5c; oz. 25c.

Sanguineus. Tricolor. Has hood-red stalks and green leaves, with red veins. **Pkt. 5c; oz. 25c.**

Zanzibarensis. Mixed. A very large-leaved variety, deep green and bronze, growing 10 to 15 feet high. **Pkt. 5c; oz. 20c.**

Mixture of all varieties. Pkt. 5c; oz. 20c.

CELOSIA CRISTATA, or COCKSCOMB. A half hardy annual, growing six to eight inches high, bearing a wide, wavy blossom that resembles a cock's comb. In brilliant colors and fine for massing or border work.

Dwarf Mixed. Several shades of red and yellow, mixed. **Pkt. 10c.**

Dwarf New Giant Empress. A rich, crimson variety, with dark foliage and very wide combs. **Pkt. 15c.**

Glasgow Prize. One of the best strains. **Pkt. 15c.**

CHINESE WOOL FLOWER. New variety. Has a crimson, globe-shaped head, like a wool of crimson silky wool. **Pkt. 20c.**

CELOSIA PLUMOSIS, or Feathered Cockscomb. The plumes are splendid and 2 to 3 ft. tall. Morse's strain is fine; colors bright red and bright yellow. **Mixed. Pkt. 5c.**

Magnificent (Thompson's). A new variety, superior to the older sorts, bearing grand spikes; flowers in midsummer. **Mixed. Pkt. 10c.**

Magnificent Crimson. A bright shade. **Pkt. 10c.**

Magnificent Golden Yellow. A fine contrast to the crimson. **Pkt. 10c.**

CENTRANTHUS. Flowers come in heads on good tall spikes. **Mixed. Pkt. 10c.**

CENTAUREA

Centaureas embrace a number of species, some being grown only for their foliage. One and a half to two feet high. Sow the seed early in boxes and transplant in March or in the open in April. Except the white-leaved sorts, all make excellent cut flowers.

Cyanus (Bachelor's Button, or Bluebottle, or Corn Flower). Of easy culture. Sow the seed where it is to remain and thin to three or four inches.

Mixed. Pkt. 5c; oz. 25c.

Blue Single; the most popular blue cut flower. Pkt. 5c.

Blue Double. New and extra fine. Pkt. 10c; ½ oz. 50c.

Pink, pkt. 5c. White, pkt. 5c.

Imperialis (Royal Sweet Sultan). The finest of all Sweet Sultans; the plants are very strong and bear giant flowers on stiff, long stems; excellent for cutting, and lasting a week when cut. Mixed, pkt. 5c; ½ oz. 50c. Purple Shades, pkt. 10c. White, pkt. 10c.

Moschata, or Sweet Sultan. A well-known type. In white, yellow, lavender and purple. Blossoms very fragrant. Mixed, pkt. 5c.

Suaevolens. Yellow Sweet Sultan. Pkt. 10c.

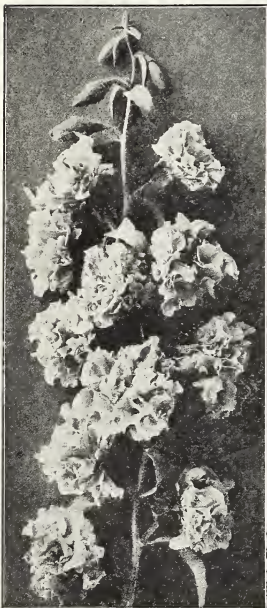
Gymnocarpa. Called Dusty Miller; leaves silvery gray; deeply cleft; 1½ feet; perennial. Pkt. 10c.

Candidissima, White Leaved or Dusty Miller. Grown for its silvery white foliage; leaves broader and less cleft; 8 inches tall; perennial. Pkt. 10c.

CHERANTHUS ALLIONI. This has gorgeous orange flowers resembling a wallflower. Although a perennial, it flowers easily from seed the first summer. Beautiful for a border or in a rockery; 12 inches high. Pkt. 10c.

CHRYSANTHEMUM

The double perennial Chrysanthemum so much admired at the florists is the sort we call Japanese Hybrids. We sell plants of these late in the spring. The annual varieties are smaller flowered, upright in growth and of easiest culture, coming into bloom early.



Double Clarkia Vesuvius



Centaurea, Double Blue

ANNUAL VARIETIES. Growing 1½ to 3 feet high. Seeds should be planted early and the plants set out in April. Single varieties sometimes called "Painted Daisies." Very attractive. Mixed, pkt. 5c.

Coronarum Double. Mixed. Pkt. 5c.

Coronarum White. Beautiful for cut flowers. Pkt. 10c.

Coronarum Yellow. Flowers early and very freely. Pkt. 10c. The tricolor type has large single flowers with different colors in rings.

Tricolor Burridgeanum. Yellow center, crimson maroon band and white tips. Pkt. 5c.

Tricolor Eclipse. Golden yellow with purple ring; very striking. Pkt. 5c.

Tricolor Mixed. Pkt. 5c.

Evening Star (Helios). This is a tall plant with large Marguerite-like flowers of pure golden yellow, three inches in diameter. Flowers are borne singly and are excellent for cutting. Pkt. 10c.

Morning Star. Like Evening Star, only of different color. This is a soft yellow or primrose color. Pkt. 10c.

Northern Star. Another variation of these beautiful Marguerites. Fine large ivory white flowers with sulphur zone. Pkt. 10c.

PERENNIAL VARIETIES. Growing 2½ to 3 feet high. Hardy and of easy culture.

Japanese Hybrids. A mixture of the large-flowering, florists' varieties. These mixtures are the large, autumn flowers used in exhibitions and by florists. They are usually grown from cuttings and do not come true from seed. Pkt. 25c.

CLARKIA

This hardy annual is of easy culture, bearing bright rose, white, or purple flowers in great profusion. The single type is native to California and is a wild flower. Seed sown in the fall will give early blossoms in the spring. Seed can be sown almost any time. The Elegans varieties grow 2 feet tall in spikes; the seedlings should be pinched back twice to make bushy plants, once to 3 inches and again to 9 inches.

Carmine Queen; Elegans. Just loaded with light carmine double flowers along the stems. Pkt. 10c.

Double White; Pulchella Tom Thumb. Perfect mass of round double fluffy white bloom. Very fine indeed. Pkt. 10c.

Mrs. Langtry; Pulchella. This is a large single Clarkia, with four petals arranged like a Greek cross. Its color is white with light purple center. A handsome flower. Pkt. 5c.

Double Elegans Mixed, pkt. 5c. **Single Elegans Mixed,** pkt. 5c.

Vesuvius; (Elegans) 15 to 18 inches high. This flower is a bright coral pink, shading deeper and more intense at center. The flowers are double like rosettes, borne an inch apart on the stiff stems. The stems are red and set off the color of the flower nicely. Flowers are 1½ inches across. Pkt. 10c.

CLEMATIS. A popular hardy perennial climber. An old favorite, and justly so, for there are few garden climbers that give more satisfaction.

Paniculata. Small flowered white Clematis. Pkt. 10c.

Large Flowered Mixed. Pkt. 10c.

CLEOME, or GIANT SPIDER PLANT. A hardy annual, growing four to five feet high and bearing in profusion rose-purple blossoms that are shaped something like a spider. Pkt. 5c.

COLEUS. A tender perennial, growing about 10 to 18 inches high, and grown for its beautiful, bright-colored, velvety leaves. Valuable for window garden or pots, and can also be grown out of doors if taken up in winter.

Extra Large Leaved Mixed. Pkt. 15c.

Ornatus. The best large-leaved variety. Pkt. 15c.

Morse's Exhibition. A beautiful and gorgeous strain. Pkt. 25c.

COLLINSIA. A free-flowering and easily-grown annual, growing from one to two feet; flowers white, crimson, purple, etc. A California wildflower. Mixed, pkt. 5c.

CINERARIA. This is the plant with heads of daisy-like flowers in purple, red, blue or white, with a dark eye surrounded by a ring; does very well in shaded positions, under trees, etc. Cinerarias are much prized as pot plants and do well in a cool greenhouse, tender. Sow seed in summer in boxes or cool house. One to two feet high; t. b.



Cosmos, Lady Lenox, Pink

Hybrida Mixed. The best variety, having large flowers and brilliant colors. Pkt. 25c.
Grandiflora Dwarf. Mixed. Pkt. 35c.
Grandiflora Stella. With twisted petals. Pkt. 35c.
Maritima Candidissima. Dusty Miller. Silvery foliage; hardy border plant 2 1/4 feet high. Pkt. 10c.
COBAEA SCANDENS. A fine, large purple flowered vine; h. h. p. Pkt. 10c.
Cockscomb. See *Celosia Cristata*.

COLUMBINE (AQUILEGIA)

A hardy perennial growing about two feet high and bearing an immense variety of colors on long, smooth stems. Stands partial shade very well.

California Hybrida. Large yellow flowers, orange spurs, an improvement on our native sort. Pkt. 15c.
Chrysantha. Pure golden yellow, single long spurs; three feet. Pkt. 10c.
Coerulea (Rocky Mountain Blue Columbine). Fine deep blue and white; long spurs. Pkt. 10c.
Skinner (Mexican Columbine). Very handsome and quite distinct; spurs and sepals long, crimson and light green; three feet. Pkt. 10c.
Long Spurred Hybrids Mixed. Showy. Pkt. 10c.
Collection of five fine sorts above for 45c.
Single Mixed (A. Vulgaris). Pkt. 5c.
Double Mixed (A. Vulgaris). Pkt. 5c.

COSMOS

COSMOS. One of the very finest late summer and fall flowers; excellent cut flowers. The bushes grow tall, six to eight feet, and are loaded with large showy blossoms, five inches in diameter, in white, pink or crimson. Cosmos should be in every garden. Sow the seed early and transplant, or later in spring where it is to remain. Hardy annual.

DOUBLE PINK BEAUTY. Clear pink, with double crest of same. Pkt. 15c.

DOUBLE WHITE QUEEN. Pure white. Pkt. 15c.

EARLY CRIMSON. Morse's strain of these is truly giant and very early. Flowers in 75 days from seed. Pkt. 10c.

Early Pink. Pkt. 10c.

Early White. Pkt. 10c.

Early Mixed. Pkt. 10c.

GIANTS OF CALIFORNIA. Pink, pkt. 5c; oz. 50c. Crimson, pkt. 5c; oz. 50c. White, pkt. 5c; oz. 50c. Mixed, pkt. 5c; oz. 35c.

Klondyke. A late blooming variety. With bright yellow blossoms. Pkt. 10c.

Lady Lenox Pink. Extra large bright pink; plant not so tall. Pkt. 10c.

Lady Lenox White. Pkt. 10c.

CYCLAMEN.
Persicum Giganteum. Mixed. Very large flowers and very free blooming. Pkt. 25c.

Album. Pure white. Pkt. 35c.

Rubrum Red. Pkt. 35c.

Crimson King. A new variety. Pkt. 35c.

Papilio. Butterfly type, fringed edges. Pkt. 35c.

CYPRESS VINE (Ipomoea Quamoclit). A tender, climbing annual, with soft fern-like foliage and small star-like flowers in red and pink, or white.

Scarlet, pkt. 5c. **White,** pkt. 5c.

Mixture of several colors, pkt. 5c.

DAHLIA.
Cactus. Mixed. Double, with pointed petals. Pkt. 10c.
Double. Mixed. Pkt. 10c.

Single. Mixed. The most easily grown and also the most satisfactory from seed. Pkt. 10c.

MORSE'S HYBRIDIZED MIXED. Pkt. 35c.

DAISY, SHASTA DAISY. A fine perennial plant, bearing large white single blossoms, with yellow centers; an excellent cut flower and admired everywhere. Soak seed in warm water before sowing. Pkt. 10c.

Alaska. One of Burbank's new selections. Pkt. 15c.

Daisy, Double. See *Bellis Perennis*.

DATURA (Trumpet Flower, or Horn of Plenty). A tender annual, growing three feet high. Flowers large and trumpet-shaped; very fragrant.

Chlorantha Fl. Pl. Double golden-yellow blossoms. Pkt. 5c.

Cornucopia. Blossoms single, white inside, shading to purple. Pkt. 5c.

Delphinium. See *Larkspur*.



Cineraria Hybrida Mixed

Convolvulus. See *Morning Glory*.
COREOPSIS. No flower is longer in bloom during the whole season than *Coreopsis*. It is a most excellent cut flower, lasting well; color, bright yellow; flowers large and showy. Hardy perennial, easily grown from seed; 2 feet.
Lanceolata Grandiflora. Pkt. 10c.

DIANTHUS OR PINKS. Hardy annuals, about one foot high, and bearing beautifully colored single and double blossoms in profusion all summer. Sow seed early in boxes and transplant, or sow in rows where the plants are to remain and thin. See also Carnation.

Chinensis (China or India Pink). Double White, pkt. 10c; Double Mixed, pkt. 5c.

Heddewigl (Japanese Pink). Finest single, mixed, pkt. 5c. Finest double, mixed, pkt. 5c.

Diadematus Fl. Pl. (Double Diadem Pink). Large double flowers in many colors. Pkt. 5c.

Mourning Pink. Very dark crimson, margined pure white. Pkt. 5c.

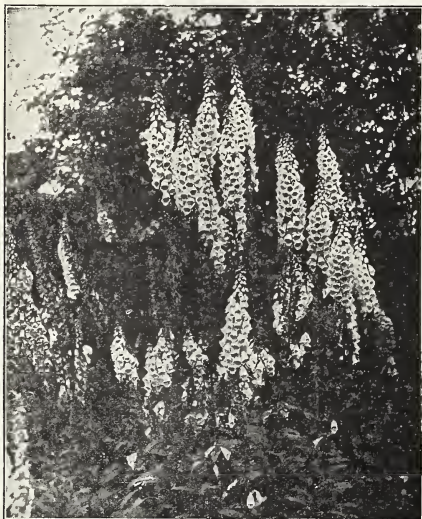
Laciniatus. Single-fringed varieties. Pkt. 5c.

Mixture of all single varieties. Pkt. 5c; ½ oz. 50c.

Imperialis (Double Imperial Pink). Very large. Pkt. 5c.

Plumarius (Grass Pink, Pheasant Eye or Scotch Pink). A single hardy perennial pink with light colored flowers, with a darker center; various colored. The old-fashioned garden favorite. This makes a fine border or flowering bed. Constantly in bloom. Pkt. 10c.

Plumarius Double (Double Glove Pink). A double-flowered sort, in various colors like the single. The foliage makes a pretty border, while the flowers are delightfully fragrant, like cloves. Pkt. 10c.



Digitalis, or Foxglove

Dianthus, Barbatus. See Sweet William.

Dianthus, Caryophyllus. See Carnation.

DIGITALIS, or FOXGLOVE. This handsome perennial, blooming the second year from seed. Grows usually about 3½ feet, although in very rich soil sometimes 6 feet. The bell-shaped flowers are borne on long spikes, and come in shades of purple, lavender, rose and white; all spotted lightly inside the blossom. Thrives best in cool, shady locations. Hardy. Fine mixed, pkt. 10c; ½ oz. 50c.

DIMORPHOTHECA AURANTIACA (African Golden Daisy). Has handsome golden-orange flowers, with black zone at base of petals, which are borne most profusely. 2½ inches across; plants 12 to 15 inches high and does well in dry situations. Pkt. 10c.

Dimorphotheca Aurantiaca Hybrida. A recent novelty. Beautiful flowers in all shades from white, cream, yellow salmon, and others; h. a.; 12 in. Sow seed in the open ground early in the spring. Per sealed pkt. 15c.

DOLICHOS, or HYACINTH BEAN. Tender, climbing annual grows rapidly and is valuable for covering a trellis. Flowers in purple or white; are borne on long stems, the individual blossoms resembling the bean flower and the ornamental pods resemble bean pods. Sow seed in open ground late in April.

Daylight. The best white. Pkt. 5c.

Darkness. The best purple. Pkt. 5c.

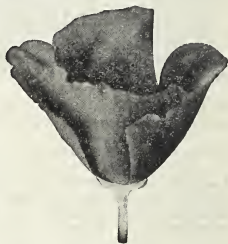
Lablab. Mixed. Pkt. 5c.

Dusty Miller. See Centaurea and Cineraria.

ESCHSCHOLTZIA

OR CALIFORNIA POPPY

The California Poppy is an exceptionally bright and handsome flower. It adorns the fields and railway embankments. If your premises have a wild or uncultivated plot by all means plant some Eschscholtzia seed. It grows easily and once seeded will reseed itself. Sow the wild sort by the pound over the hillsides. Multiply the native flowers by a thousand. The leaves of Eschscholtzia are fine cut and feathery. Sow in the fall out in the open for the plants do not transplant well. h. a. 1 to 1½ ft.



Californicus. The bright, orange-yellow, wild variety. Pkt. 5c; oz. 30c; lb. \$2.75.

Carmine King. There is nothing prettier than this Eschscholtzia, which is a rich carmine rose. Pkt. 5c; oz. 60c.

Crimson Flowering. Pkt. 5c.

Crocea. Pure deep orange. Pkt. 5c; oz. 50c.

Erecta Mandarin. Brownish gold, erect plant. Pkt. 5c.

Extra Golden Morse's. A fine selection of the dark wild California Poppy. This is the finest colored Eschscholtzia and its richness of color is unequalled. Should be in every garden. Pkt. 5c; oz. 30c; lb. \$3.00.

Golden West. Very large, orange-colored blossoms, shading to canary-yellow at the edges. Pkt. 5c; oz. 40c.

Mandarin. Blossoms are copper colored outside and bright yellow inside the petals. Pkt. 5c; oz. 40c.

Rose Cardinal. White inside, light pink outside. Pkt. 5c.

Vesuvius. Splendid flame color and red gold. Pkt. 10c.

White. Large Ivory white. Pkt. 5c; oz. 30c.

Collection one pkt. each of 11 kinds for 50c.

Mixture of all varieties. Pkt. 5c; oz. 30c; lb. \$3.00.

Bush Eschscholtzia. See Hunnemania.

ECHINO CYSTIS (Wild Cucumber Vine). One of the quickest growing vines we know of, attaining a height of 30 feet in a season; white fragrant flowers, borne in great profusion, followed by an abundance of ornamental prickly seed pods; foliage very dense. Pkt. 5c; oz. 30c.

EVERLASTING FLOWERS. See Aroclonium, Gomphrena, Helichrysum, Honesty, Rhodanthe, Statice, Xeranthemum. Evening Primrose. See Oenothera.

Everlasting Pea. See Lathyrus Latifolius.

Flax. See Linum.

FEVERFEW. Matricaria Capensis. Called Double Feverfew.

A plant growing 18 inches high and bearing profusely pure white, very double flowers. Pkt. 5c.

See also Pyrethrum for edging varieties.

Flowering Maple. See Abutilon.

Flowering Sage. See Salvia.

FOUR O'CLOCK. (h. a.) Seed should be sown in the open and thinned to one foot. An old-fashioned favorite, with trumpet-shaped flowers freely borne.

Mixture of all colors. Pkt. 5c; ½ oz. 25c.

Tom Thumb. Dwarf plant, mixed colors. Pkt. 5c.

Variegated and striped leaved. Mixed. Pkt. 5c.

FOXGLOVE. See Digitalis.

FUCHSIA (Ladies' Eardrop). A well-known plant of easy culture in pots for the conservatory, parlor decoration, or the open ground. Start seed early under glass.

Single mixed. Pkt. 60c.

FORGET-ME-NOT

FORGET-ME-NOT (Myosotis). A favorite old-fashioned flower, bearing in profusion, especially in fall and spring, clusters of dainty blue five-petaled blossoms. It thrives well in the shade or open border, but flourishes best in a moist, shady situation; h. p. *Rosea*, pink-flowering. **Pkt. 5c. White. Pkt. 5c.**

Alpestris. Blue. **Pkt. 10c; ¼ oz. 40c.**

Indigo Blue. A new dark indigo color. **Pkt. 10c.**

Victoria. Large flowers in heads of bright azure blue; plant symmetrical, dwarf and strong grower; good for edgings. **Pkt. 10c.**

Disitiflora Perfection. Of dwarf compact habit, flowering profusely; looks like a sheet of blue. One of the best Forget-Me-Nots. **Pkt. 15c.**

Collection of six kinds, one pkt. of each, **45c.**

GALLARDIA. A very showy garden plant, with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn. Grows one and one-half to two feet high, and the blossoms are borne on long, slender stems. Both single and double varieties are hardy.

Fine single mixed, annual. Pkt. 5c.

Double mixed, annual (Picta Lorenziana). Pkt. 5c.

Grandiflora. Single perennial variety of varying shades of reddish brown and yellow. **Pkt. 10c.**

GENTIANA Acaulis. Gentian. Intense blue flowers with yellow spot; four inches high; hardy perennial. **Pkt. 10c.**

GERANIUM. The very well-known Geranium—the one commonly seen is the variety *Zonale*. Plants of the different varieties are offered in our Nursery Department; h. h. p.

Apple Scented. Very fragrant leaves. **Pkt. 25c.**

Lady Washington or Fancy Pelargonium. Handsome large flowered sorts in many colors and with beautiful markings; h. h. p. **Pkt. 25c.**

Zonale. Mixed. Beautiful scarlet shades. **Pkt. 10c.**

Gerbers. See Transvaal Daisy.

GEUM, Mrs. Bradshaw. A brilliant scarlet-cardinal flower the size of a large carnation, which it somewhat resembles. **Pkt. 10c.**

GILIA. A hardy annual growing one foot high, with white, lilac or rose-colored flowers. A native of California. Valuable for rock-work or borders. Sow seed in the fall. Mixed. **Pkt. 5c.**

Achilleaefolia. This pretty gilia is common about San Francisco on the hills and sandy ground. Flowers come in clusters 1½ inches across and often give a blue look to the fields; one foot; hardy annual. **Pkt. 10c.**

Gillflower. See Ten Weeks' Stocks.

GLOXINIA. Beautiful hot-house plants, with large, bell-shaped blossoms, which come in rich, velvety-deep and bright colors. **Grandiflora, mixed, pkt. 50c; Tigered and Spotted, mixed, pkt. 50c.**



Gaillardia Grandiflora

GODETIA. Valuable for bedding or massing. Sow seed early in the year. Hardy, very free blooming annual.

— **Tall Sorts.** Fine mixed. **Pkt. 10c.**

Dwarf Varieties. Mixed. **Pkt. 5c.**

Amoena. Deep rose-colored flowers; plants 12 to 30 inches. Our pretty wild flower known as "Farewell to Spring." **Pkt. 10c; oz. 75c.**

Duchess of Albany. Tall. White. **Pkt. 10c.**

Lady Albarmarle. Tall. Dark crimson. **Pkt. 10c.**

Schamini; Fl. Pl. This plant is covered with clear light pink blossoms. Flowers are semi-double. Stems 2 ft. tall; flowers 2½ inches across; a charming flower. **Pkt. 10c.**

GOLDEN-ROD (Solidago Canadensis). Well-known golden-yellow hardy perennial, flowering late in summer. Three feet. **Pkt. 10c.**

GOMPHRENA, or GLOBE AMARANTH. (h. a.) Everlasting with round beads about 1 in. in diameter; rose, yellow or white; 8 in. tall. **Mixed, pkt. 5c.**

GOURDS. Some varieties, besides being odd, are very ornamental.

Mixed ornamental varieties. Small sorts. **Pkt. 5c.**

Calabash, or Pipe Gourd. Pkt. 5c.

Chinese Bottle. A useful variety, large bottle-shaped shell. **Pkt. 5c.**

Dish Cloth, or Luffa. The inside lining makes a sponge; very useful. **Pkt. 5c.**

Dipper, or Syphon. Can readily be made into a dipper. **Pkt. 5c.**

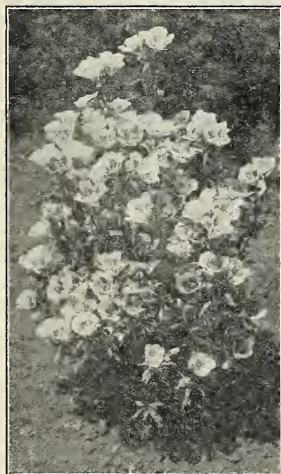
Hercules Club. 4 ft. long, club-shaped. **Pkt. 5c.**

Nest Egg. Like a hen's egg and are frequently used for nest eggs. **Pkt. 5c.**

Sugar Trough. Useful for buckets, holding from 2 to 10 gallons. **Pkt. 5c.**

Turk's Turban. Red, green, striped, etc. Small sized. **Pkt. 5c.**

Collection one pkt. each of nine kinds for **35c.**



Godetia, Dwarf Mixed

ORNAMENTAL GRASSES

AGROSTIS NEBULOSA. A very graceful and pretty grass—charming for borders; h. a.; 1½ feet. **Pkt. 5c.**

AVENA STERILIS (Animated Oate). Drooping, very graceful; h. a.; 2 ft. **Pkt. 5c.**

BRIZA MAXIMA (Quaking Grass). Very pretty. Annual. 1½ feet. **Pkt. 5c.**

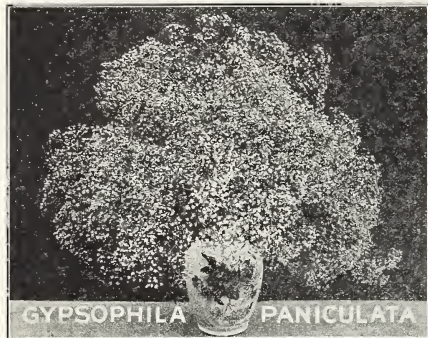
BRIZA GRACILIS (Small Quaking Grass). Delicate and graceful; a.; 1 ft. **Pkt. 5c.**

BROMUS BRIZAEFORMIS. An elegant Briza-like grass. **Pkt. 5c.**

COIX LACHRYMA (Job's Tears). Grows two feet high. **Pkt. 5c.**

ORNAMENTAL GRASSES—Continued

- Eragrostis Elegans (Love Grass).** A very graceful and beautiful annual. One foot. Pkt. 5c.
- Eulalia Japonica.** One of the most beautiful of the tall-growing grasses. Five feet. Pkt. 5c.
- Gynerium Argenteum (Pampas Grass).** The finest ornamental grass in cultivation. h. h. p. 10 feet. Pkt. 10c.
- Zea Japonica.** White and green striped corn. Pkt. 10c.
- GLADIOLUS.** See page 47 for bulbs. Pkt. 10c.
- GYPHOPHILA (Baby's Breath).** Florists all use this to make up their bouquets. The plant is feathery and has small white flowers. Most easy to grow; h. a. or p.; 2-3 ft.
- Muralis.** Border plant; six inches; pink flowers. Pkt. 5c.
- Paniculata.** Fine for bouquets; white flowers; h. p. This is especially feathery and delicate. Pkt. 5c.
- Elegans Grandiflora White.** This is an improved Elegans with larger flowers and pure white. Pkt. 5c.
- Pink (Elegans Rosa).** A beautiful soft pink. Pkt. 5c.



- HELIENIUM, Autumnale Superbum.** A showy perennial, five to six feet tall, producing large, deep-yellow single flowers during summer and fall; fine for cutting. Pkt. 10c.
- Helianthus.** See Sunflower.
- HELICHRYSUM (Everlasting Flower).** Is the best and most satisfactory of the everlasting flowers and makes a very handsome dried bouquet; 3-4 feet; h. a. Monstrous Mixed. Pkt. 10c.
- HELIOTROPE.** Beautiful porch climber 4-8 ft. tall. Flowers are delightfully fragrant, are small and come in clusters. Blooms the first season from seed if sown early. Forms a large plant and requires a roomy situation. Can also be grown as a pot plant; h. h. p. Finest mixed, pkt. 10c.
- Hesperis.** See Sweet Rocket.
- HIBISCUS, Giant Golden Bowl.** Very large flowers, six to eight inches, of a deep cream color, with velvety maroon center. Plants grow from three to five feet and are perennial and bear profusely. Pkt. 10c.
- Crimson Eye.** The flowers of this perennial are pure white with a crimson eye; six inches across. Pkt. 10c.
- HOLLYHOOK.** Some grow to the top of the second story windows and in some gardens they only grow 8-10 ft. tall. The double ones are usually about 6 ft. tall. Hollyhooks were in all the old gardens. Nothing makes a better boundary. Our doubles are very fine indeed; hardy, perennial.
- DOUBLE VARIETIES.** Mixed, pkt. 10c.
- Black, pkt. 10c.
- Blood Red, pkt. 10c. Canary Yellow, pkt. 10c.
- Rose Pink, pkt. 10c.
- SINGLE VARIETIES.** Mixed. The old-fashioned blossoms in all colors. Pkt. 5c.
- Allegheny.** Mixed. The semi-double, fringed variety. An artistic and pretty sort. Pkt. 10c.

- HONESTY (Satin Flower; Money Plant).** The flat silvery seed pods are used for winter decoration in the house; pretty and different from anything else; two feet; h. b. Pkt. 10c.
- HUMULUS, or JAPANESE HOP.** A rapid-growing, tender climbing annual with dense leaves. Will grow 20 to 30 feet. Japonicus. Bright-green foliage. Pkt. 5c.
- Japonicus Variegatus.** The leaves are variegated or splashed white and green. Pkt. 10c.
- HUNNEMANNIA, or BUSH ESCHSCHOLTZIA.** Here is a lemon-colored poppy-shaped flower which will bloom all summer. Foliage fine-cut and feathery; flowers 3 in. across; t. a. Plant this. Known also as the Santa Barbara Poppy.
- Fumariifolia.** Pkt. 5c.
- Hyacinth Bean.** See Dolichos.
- ICE PLANT (Mesembryanthemum Crystallinum).** The thick leaves seem to be covered with crystals, and are 1½ in. broad. Pkt. 5c.
- IMPATIENS SULTANI (Zanzibar Balsam).** Much prized for window culture. The foliage is waxy green, and with the semi-transparent branches makes a plant in itself attractive. The bright rosy carmine flowers are always in bloom. Pkt. 20c.
- INCARVILLEA DELAVAYI.** Flowers are old rose colored, borne on spikes 18 in. tall. The leaves are much cut and are decorative in themselves. Resembles a gloxinia. Pkt. 10c.

IPOMOEA

- IPOMOEA.** Beautiful annual outdoor climbers of luxuriant growth for covering verandas and arbors, or for screening unsightly objects. The seed of several varieties, especially the moon flower, should have the outer shell punctured and then soaked in water for 8 hours or more to hasten germination. 10-15 ft.; t. a.
- Bona Nox (Evening Glory or Good Night).** Large fragrant violet hiossoms, expanding in the night. Pkt. 5c.
- Coccinea, or Star Ipomoea.** Small scarlet blossoms; vines about 10 feet. Pkt. 5c.
- Grandiflora Alba (Moon Flower).** Large white hiossoms, five to six inches across, which expand at night. The vine grows very rapidly, as much as 50 feet in a season, and is covered at night and in the early morning with a multitude of fragrant white flowers; leaves large. Pkt. 10c; oz. 75c.
- Sky Blue Moon Flower.** Large, beautiful flowers, four inches across, of the softest corerulean hue, shading to white at the edge. Pkt. 10c.
- Heavenly Blue (Rubro-coerulea).** A tall climber with large, light blue flowers, yellow throated and measuring 4 to 5 inches across. Pkt. 10c.
- Learli.** Large dark blue flowers, on a perennial vine. Pkt. 15c.
- Setosa, or Brazilian Morning Glory.** The vine has large overlapping leaves, 8 to 10 inches across, which makes a dense shade; useful for covering porches or garden fences; annual. Flowers delicate light-reddish purple with pink star in the center. Flowers come in clusters. Pkt. 10c.
- Collection of the 7 varieties for 50c.**
- Imperial Japanese.** See list under Morning Glory.
- Ipomoea Quamoclit.** See Cypress Vine.
- Japanese Hop.** See Humulus Japonicus.
- KAULFUSSIA, AMELLOIDES.** The whole effect of this plant is a medium sized intense blue daisy; fine for hedging; is clear, even light blue in color; 10 in. high, 1½ in. across; annual. Pkt. 10c.
- KENILWORTH IVY.** A hardy perennial trailing plant, especially adapted for hanging baskets, window boxes or for trailing over walls. Pkt. 10c.
- KOCHIA TRICHOPHYLLA (Summer Cypress).** Annual plant, forming dense oval bushes, 2 to 2½ feet high, of small, feathery, light-green foliage. As summer advances the changes to a carmine hue and finally to a fiery red. Also called "Burning Bush." Pkt. 5c.
- KUDZU VINE (Pueraria Thunbergiana).** Called also Jack-and-the-Beanstalk; h. p. The first year it will do 10 feet, and the next up to 50. Fine for a permanent vine. Pkt. 10c.
- LANTANA.** A tender perennial, often becoming shrub-like, two to three feet high, bearing verghena-like clusters of flowers, in orange, rose and other colors. Blooms constantly all summer. Fine mixed, pkt. 10c.

LARKSPUR

OR DELPHINIUM

There are two classes of the Larkspur which are quite distinct—the annual and the perennial. Both are very fine flowers.

HARDY ANNUAL VARIETIES. These Larkspurs grow about one and one-half to two feet high. A great variety of bright colors; of easiest culture, doing well in any soil.

Azure Fairy. Like Blue Butterfly, only the finest shade of azure blue. **Pkt. 25c.**

Blue Butterfly. A very handsome Salvia blue Larkspur with single flowers carried abundantly well out from the plant; 15 to 18 inches high. Quite new and very fine. **Pkt. 15c.**

Dwarf Rocket. Mixed. Dwarf plant, 12 inches for bedding; double flowers. **Pkt. 5c.**

DOUBLE STOCK FLOWERED. Very double annual Larkspurs with many branches. It gives a mass of bright color and is fine for cutting during all summer. Flowers come all round the spike; 2½ to 3 ft.

Dark Blue, pkt. 10. **Lilac,** pkt. 10c.

Lustrous Carmine, or Newport Pink, pkt. 10c.

Shell Pink, pkt. 10c. **White,** pkt. 10c. **Mixed,** pkt. 5c.

Collection of 5 kinds above for 40c.

HARDY PERENNIAL LARKSPURS (Delphiniums)

These are taller than the annual sorts and their brilliant flower spikes arrest your attention even at a distance. The foliage is attractive and the plants strong and neat in habit. By keeping the plants well watered and the flowers cut, a second crop of bloom may be had, and from some a third. The seed is a little difficult to start, so we advise sowing in a box in prepared soil and under a glass.

Cardinale. This is the grand "Southern Scarlet Larkspur," one of the brightest and finest of California's wild flowers; 3 to 5 feet. **Pkt. 20c.**

Chinese Mixed. Large single flowers on spikes; two to three feet. Flowers early from seed sown in the spring. **Pkt. 10c.**

Elatum Hybridum. Blue, of various shades, with black center; very handsome; three to five feet. **Pkt. 10c.**

Formosum. Bright blue flowers with white center. **Pkt. 10c.**

Morse's Giant Hybrids. A very fine strain of large flowered Larkspurs, with a range of colors from light to dark and in colors from a pale lavender to a deep violet. **Pkt. 15c.**



Lion's Tail

LATHYRUS LATIFOLIUS (Perennial, or Everlasting Pea). A hardy perennial climber, thriving in any good soil.

Pink Beauty. The ground of the petals is white, edged and shaded with pink. **Pkt. 10c.**

Crimson, pkt. 10c. **Mixed,** pkt. 5c.

White. The best variety for cutting, especially for florists' use. **Pkt. 10c.**

LAVATERA (Tree Mallow). A showy hedge plant, growing about six feet high and covered with shrimp-like cup-shaped flowers. Much used for windbreaks about San Francisco. Sow in May in the open ground and thin young plants to 12 inches apart. **Arborea.** **Pkt. 10c.**

Rose Splendens. A bright pink h. h. annual, with large single flowers. A great favorite in England. **Pkt. 10c.**

White Splendens. Annual, as above. **Pkt. 10c.**

LAVENDER. Delightfully fragrant flowers; p. **Pkt. 10c.**

LEMON VERBENA. The leaves of this fine old favorite are delightfully fragrant and refreshing. Grown easily from seed; h. p. **Pkt. 10c.**

LEPTOSIPHON French Hybrids. Canary, terra cotta and white. Clusters of small flowers ¼ inch across; leaves linear. Very bright for a border 8 in. high, for massing or for rock work; h. a. **Pkt. 10c.**

LEPTOSYNE MARITIMA (Sea Dahlia). This is in full flower in winter, with yellow daisy-like flowers, 3 in. across. The plant is about two feet high and has succulent divided foliage. Get acquainted with this flower. It grows wild on the sea coast. **Pkt. 10c.**

LINARIA Excelsior; Hybrida. Flowers are on open heads on long upright stems. The colors are mostly violet and light purple. **Pkt. 10c.**

Reticulata. The flowers are small on good spikes and are of great contrast in color, being bright yellow and purple; a. **Pkt. 5c.**

LINUM, or FLOWERING FLAX. Can be sown early out of doors and thrives well in good soil; h. a.

Rubrum (Scarlet Flax). **Pkt. 5c; oz. 50c.**

Perennial Flax. Blue. **Pkt. 5c.**

LION'S TAIL. *Leonotis.* A woody shrub growing 5 ft. tall. Blossoms in late summer. Flowers orange. **Pkt. 15c.**

LOBELIA

A hardy annual and hardy perennial. The annual grows four to six inches high, is of compact growth and literally covered with small bright flowers. By cutting back the plants during the summer and giving plenty of water they may be kept in flower all summer. Used for ribbon work and borders or hanging baskets.

Celestial (Compacta). The finest intense blue for edging. Flowers are borne well on the top of the plant, completely covering it with a mass of intense blue. **Pkt. 15c.**

Crystal Palace Compacta. Deep blue flowers and dark foliage, six inches; a constant bloomer. Fine for dark-blue borders. **Pkt. 10c; ½ oz. 50c.**

Light Blue. A fine bright blue; excellent for blue borders; foliage light green; plant compact. **Pkt. 10c; ½ oz. 50c.**

Golden Queen. Dwarf; blue flowers; yellow leaves. **Pkt. 10c.**

Gracilla. Light blue, trailing, light green foliage. Excellent for hanging baskets. **Pkt. 5c.**

Prima Donna. Maroon, with white eyes; trailing. **Pkt. 10c.**

Snowball (Compacta). A very large flowering pure white Lobelia for edgings. A white companion to Celestial. **Pkt. 15c.**

Speciosa. Deep blue flowers; dark foliage; trailing. **Pkt. 10c.**

White Gem (Compacta). Snow-white. **Pkt. 10c.**

Mixed Compact Varieties. **Pkt. 10c.**

Perennial Lobellias are hardy and three feet high. The blossoms are produced on tall showy spikes.

Cardinalis, or Cardinal Flower. Brilliant scarlet flower spike. Worthy of a more extensive cultivation. This plant loves a wet, boggy place, so water extra. **Pkt. 15c.**

LOPHOSPERMUM SCANDENS. Tender climbing perennial, growing 10 to 12 feet long, with showy purplish-rose blossoms, something like Foxgloves. **Pkt. 5c.**

Love-in-a-Mist. See *Nigella*.

Love Lies Bleeding. See *Amaranthus Caudatus*.

LUPINUS, OR LUPINS

Hardy native California annuals, in great variety, growing from one to three feet high, and bearing spikes of pea-shaped flowers. Hartwegii Lupins are much improved, large flowering annuals. These come into flower early and bear fine spikes 2 feet tall. Of the easiest culture. Sown in the open ground and thin to six inches apart.

Cruikshankii. Dark blue. Long racemes. **Pkt. 5c.**

Hartwegii Albus. Pure white; fine. **Pkt. 5c.**

Hartwegii Albo Coccineus. Crimson tipped white, the whole effect being pink. **Pkt. 5c.**

Hartwegii Atroviolaceus. Dark violet. **Pkt. 5c.**

Hartwegii Blue. Clear deep blue. **Pkt. 5c.**

Hartwegii Coelestinus. Fine azure or very light blue of even color. Thoroughly charming. **Pkt. 10c.**

Hartwegii Roseus. Pink. **Pkt. 5c.**

Hartwegii Superbus. Rosy purple and white. **Pkt. 10c.**

Pink (Hybridus Roseus). Long spikes of bright pink flowers. **Pkt. 10c.**

Nanus. Our little blue and white wild flower. It carpets the fields in late May. Plant by the pound over your grounds. **Pkt. 10c; oz. 20c; lb. \$2.00.**

Polyphyllus. This is an extra handsome Lupin. The flower spikes are tall (1½ ft.) and the leaves are rich bright glossy green. Attractive at all times; p. **Mixed. Pkt. 5c; oz. 40c.**

Mixture of all colors, pkt. 5c.

LYCHNIS. Hardy perennial, growing about 3 feet high.

Chalcedonica. Scarlet flowers. **Pkt. 5c.**

Haageana. Orange, crimson and scarlet. **Pkt. 10c.**

MANDEVILLA SUAVEOLENS (Chili Jasmine). Fine summer climber, with great clusters of large, waxy, star-shaped blossoms, exquisitely fragrant, resembling the single tuberosa in shape. **Pkt. 10c.**

MARIGOLDS

MARIGOLD. Some sorts for bedding are very dwarf and others grow to 3 ft. tall; flourishes in all gardens. Foliage bright green, deeply cut and graceful.

Eldorado. Called "The African Marigold." The best tall variety, with large, very double blossoms in shades of yellow. **Mixed, pkt. 5c; ½ oz. 30c.**

Morse's Lemon King, African type. Perfectly superb, light yellow flowers 4½ to 5 inches across; very double and finely finished. This is very much admired. **Pkt. 15c.**

DWARF FRENCH MARIGOLDS

Golden Ball. Extra dwarf, is very double; 15 inches tall. A new compact, bright golden Marigold. **Pkt. 10c.**

Gold Edged. The flowers are orange and maroon. Pretty and unusual. Like Golden Ball, is good for bedding; double. **Pkt. 10c.**

Pigmy Spotted. The petals of these double flowers are light yellow, with maroon center on each petal. The same height as Golden Ball and Gold Edged. **Pkt. 10c.**

Dwarf French, Legion of Honor. Single brown and yellow. **Pkt. 5c.**

Dwarf French, Striped. **Pkt. 10c.**

Dwarf French Mixed. Small flowers. **Pkt. 5c; ½ oz. 40c.**

Tall French Mixture. A mixture of tall double; colors in yellow, brown and stripes. Small flowered. **Mixed, pkt. 5c.**

Morse's Selected Striped. Tall French type, 2-6 to 3 feet high and just loaded all the season with most striking flowers 2 inches across. They are broadly striped yellow and brown. This Marigold should be everywhere. **Pkt. 15c.**

Pot Marigold and Cape Marigold. See *Calendula*.

Marvel of Peru. See *Four o'Clock*.

MATICARIA (Double White Feverfew). White double button-like flowers; useful for cutting; p. **Pkt. 5c.**

Mattholia Bicoloris. Evening-Scented Stock. Purple flowers, not the handsome Ten Weeks' Stock, which see Hardy annual. **Pkt. 5c.**

MAURANDIA (Giant-Flowering). Beautiful climber for either garden or greenhouse decoration and for hanging baskets; gemmed with Gloxinia-shaped flowers of rich purple, white and rose; t. p. **Mixed colors. Pkt. 10c.**

MICHAELMAS DAISY. See *Aster*, New England perennial.

MIMULUS. A half-hardy perennial, growing from six inches to one foot high. Blooms freely and exists in a large variety of colors. Useful for window gardens and pot work, or for gardens in a moist, shady situation.

Moschatus, or Musk Plant. Fragrant plant, with small, yellow blossoms, spotted lightly with brown. **Pkt. 10c.**

Tigrinus, or Monkey Flower. Large flowers of several colors and spotted. **Pkt. 10c.**

Queen's Prize. The flowers are large and most brightly colored and spotted; the colors are yellow, orange, coppery red and pink. Perennial, 12 inches high and does well, preferring cool location. **Pkt. 15c.**

Cardinalis. Scarlet flowered perennial, 18 inches high; useful for a border; free flowering. **Pkt. 10c.**

MINA LOBATA. A fine annual climber which grows very rapidly to a height of 20 or 30 feet in a season. Orange red. Useful for arbor, trellis, etc. **Pkt. of 20 seeds, 10c.**

MOMORDICA, Balsamina, or Balsam Apple. A climbing annual, growing about 10 feet long. Has graceful and ornamental foliage, yellow flowers and warted golden-yellow fruit; with large carmine-red seeds. Balsam Apple and Balsam Pear are climbers which thrive in hot locations and are much planted around Bakersfield. **Pkt. 10c; oz. 50c.**

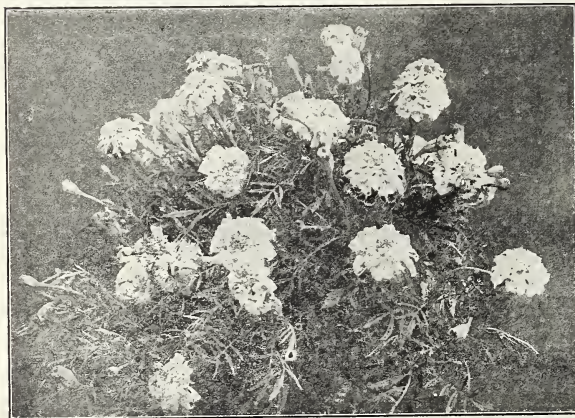
Charantia, or Balsam Pear. Same as the Balsam Apple, but fruit is pear-shaped and foliage larger. **Pkt. 10c.**

Moonflower. See *Ipomoea Grandiflora Alba*.

Mourning Bride. See *Scabiosa*.

Musk Plant. See *Mimulus Moschatus*.

Myosotis. See *Forget-Me-Not*.



Marigold, Dwarf French Mixed

MIGNONETTE

A well-known favorite in all old-fashioned gardens. Cultivated for its fragrant flowers, which come thickly. Set on compact spikes. May be sown at any time of year about San Francisco. In other places sow in early spring. 1 ft. h. a.

Allen's Defiance. Long spikes of whitish flowers and compact growth. **Pkt. 10c.**

Golden Machet. A compact-growing variety, with medium long, thick spikes of yellow flowers. **Pkt. 5c; ½ oz. 40c.**

Pure Machet. A compact-growing variety, with thick spikes and large size flowerets. **Pkt. 5c; ½ oz. 25c.**

Sweet Scented (Reseda Odorata). **Pkt. 5c; oz. 30c.**

MORNING GLORY (Convolvulus Major. See also *Ipomoea*). No climber is more popular than is the Morning Glory; for covering trellises or unsightly back fences they and climbing Nasturtiums are most often planted. Morning Glories grow quickly to a vine 15 feet long and bear very abundantly brilliant flowers, funnel-shaped, of various colors, blue predominating. Soak the seed for two hours in warm water to hasten germination; of easy culture. See *Ipomoeas* for Brazilian Morning Glory and for sorts not listed here.

Tall, or Climbing Varieties. Mixed. **Pkt. 5c; oz. 20c; lb. \$1.75.**

Imperial Japanese. These are much the handsomest flowers in Morning Glories, of gigantic size and in colors ranging from snow white to carmine, through every shade of blue and purple. The vine is not quite so vigorous a climber as the above. **Pkt. 5c; oz. 25c.**

Dwarf, or Bush Varieties (Convolvulus Minor). Useful for beds, edges or hanging baskets. Mixed. **Pkt. 5c.**

NEMESIA. Nemesis come 1 foot high and are a mass of flowers, bedding annual.

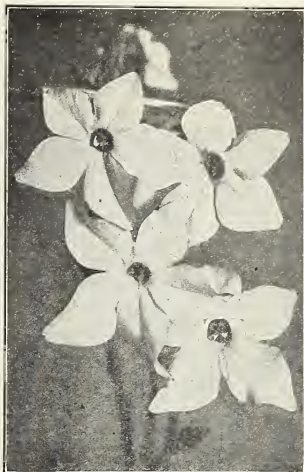
Triumph Mixed. This has flowers in light blue, red, yellow and terra cotta. Compact form. **Pkt. 15c.**

Blue Gem. Compact. Clear forget-me-not blue of the most pleasing color in fine compact heads; 12 inches high. This is a beautiful bright-blue flower. **Pkt. 20c.**

NEMOPHILA, or LOVE GRASS. A hardy annual California wild flower, growing about six inches high. Has small cup-shaped blossoms about one inch in diameter, in white and shades of blue. **Mixed, pkt. 5c.**

Insignis (Baby Blue Eyes). Its flowers are of a most beautiful light blue, shading lighter toward the center. A pretty wild flower. **Pkt. 5c; oz. 35c; lb. \$3.25.**

Maculata. White, with each petal spotted violet at tip. **Pkt. 5c.**



Nicotiana glauca

NICOTIANA, or FLOWERING TOBACCO. A half-hardy annual, growing 3 feet high, with slender tubular flower. Belongs to the tobacco family. Requires plenty of room in the garden.

Affinis. White and very fragrant. Flowers open in evening and cloudy days. **Pkt. 5c.**

Affinis Hybrids. Splendid new hybrids of the popular *N. affinis*; they possess the delicate fragrance of the parent; colors blue, red, rose, white, etc. **Pkt. 10c.**

Sanderana. Various bright colored blossoms are freely borne on this plant, which opens during the day. **Pkt. 10c.**

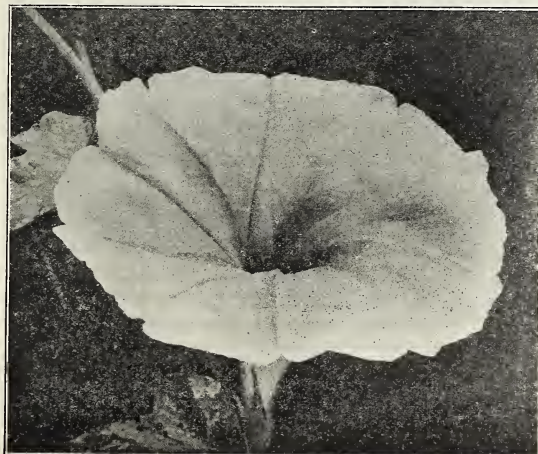
NIGELLA, or LOVE-IN-A-MIST. A hardy annual, one foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture. **Damascena. Pkt. 5c.**

GENOTHERA, or EVENING PRIMROSE. Good flowering shade plants are rare, especially for ones in bright colors. Evening Primrose like the half shade best and its color is yellow; h. b. a. and p. The blossom is fully expanded only late in the afternoon.

Annual Varieties. Mixed. Pkt. 5c.

Yellow (Lamarckiana). A bright yellow evening primrose, three feet high; perennial; of great beauty. The yellow evening primrose is found wild in many parts of California. **Pkt. 5c.**

California. Our new red-budded variety, introduced last year for the first time. Flowers are large bright yellow. **Pkt. 10c.**



Japanese Morning Glory

Send in a photo of your garden and write us how things are growing. Your success is ours.

Our Nursery Department, now The Vallance Nursery, has a fine selection of the best roses, flowering plants, etc., also berries, fruit trees and ornamental trees. See pages from 75 on.

NASTURTIUMS

Sow the seed where it is to remain late in the spring and after danger of frost is over. It is seldom necessary to thin the young plants, as they will bear standing close together. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and their flowers in such locations in greater profusion than in a rich garden where they run too much to leaves. This adds to their value for planting over many unsightly places.

Tender annual, in two distinct classes—Dwarf, and Tall or Climbing



Tall Nasturtium, Gold Garnet

TALL OR CLIMBING VARIETIES

Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. On cloudy days when "high fog" is overhead yellow flowers such as nasturtiums are particularly grateful. A cheerful tone runs through all the shades and the colors are exceptionally bright.

Butterfly. Light yellow, with blotch of deep red on lower petal. Pkt. 5c; oz. 25c.

Chameleon. A mixture of changing and inconstant shades, all richly colored and on the same plant. Pkt. 5c; oz. 25c; ¼ lb. 75c.

Dark Crimson, and dark foliage. Pkt. 5c; oz. 25c.

Fulgens. Extra bright crimson, foliage dark. Pkt. 5c.

Gold Garnet. Orange yellow with garnet blotches. Pkt. 5c.

Jupiter. Large, bright, golden yellow. Pkt. 5c; oz. 25c.

King of the Blacks. Dark-red flowers and dark foliage. Pkt. 5c; oz. 25c.

Lueifer. Blossoms deep crimson; leaves brownish green. Pkt. 5c; oz. 25c.

Moonlight. Immense creamy-yellow flowers. Pkt. 5c; oz. 25c.

Orange. Pkt. 5c; oz. 25c.

Pearl, or White. Light lemon or primrose. Pkt. 5c.

Regina. Salmon-red, changing to almost cream color. Pkt. 5c; oz. 25c.

Rose. Pkt. 5c; oz. 25c.

Ruby. Very deep rose pink. Pkt. 5c; oz. 25c.

Scarlet. Pkt. 5c; oz. 25c.

Spitfire. Brilliant flame color scarlet. Pkt. 5c; oz. 25c.

Yellow. Pkt. 5c; oz. 25c.

MIXTURES

Tall Varieties Mixed. All the named varieties, besides many others, in a splendid mixture of all colors and shades. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

Hybrids of Madam Gunter. Mixed. A splendid mixture of blotched, shaded and variously marked petals, in bright, glowing tints. Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. \$2.00.

Ivy Leaf Mixed. Bright flowers and with leaves like an English Ivy. Pkt. 15c.

Lobb's Varieties Mixed. The flowers are more slender and slightly smaller; free flowering and attractive. Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50.

VARIEGATED QUEEN, OR TALL VARIEGATED LEAVED MIXED

Every leaf is variegated with yellow, white and green. This gives a new and very handsome appearance to the plant.

The flowers are of all colors. It comes entirely true from seed. Pkt. 10c; oz. 30c.

DWARF NASTURTIUMS

The plants form a small, round bush 12 to 16 inches high, which is a mass of bloom all summer. Do not water too much nor sow on rich ground for abundance of bloom. Dwarf Nasturtiums are excellent to line roadways or wherever a tall border is pretty.

Aurora. Yellow, veined carmine. Pkt. 5c; oz. 25c.

Chameleon. Mixed. A dwarf mixture of blotched and inconstant shades on one plant. Pkt. 5c; oz. 25c; ¼ lb. 75c.

Crimson. Pkt. 5c; oz. 25c; ¼ lb. 75c.

Crystal Palace Gem. Sulphur-yellow, spotted with carmine. Pkt. 5c; oz. 25c.

Empress of India. Intense scarlet, with foliage dark brown and green. Pkt. 5c; oz. 25c.

Golden King. Rich golden yellow. Pkt. 5c; oz. 25c.

King of Tom Thumbs. Dark scarlet and dark-green leaves. Pkt. 5c; oz. 25c.

King Theodora. Very deep crimson and dark foliage. The darkest of all, nearly black. Pkt. 5c; oz. 25c.

Rose or Pink. Fine, distinct color. Pkt. 5c; oz. 25c.

Rosy Morn. This beautiful new variety of Nasturtium is a remarkably bright light cherry scarlet. The plant is compact with an abundance of flowers which are borne well above the leaves. Pkt. 15c.

Ruby King. Bright red, tinted salmon. Pkt. 5c; oz. 25c.

SWEET WILLIAM, Newport Pink

A distinct new color which originated in one of the finest gardens at Newport. The shade is a beautiful salmon pink, and the flowers come in massive heads on stems 18 inches tall. Per Pkt. 15c.

DWARF NASTURTIUMS—Continued

Queen of Tom Thumbs Rosy Scarlet. Bright green foliage variegated with creamy white. This makes the plant attractive both before and after flowering. Bright rosy scarlet flowers. Pkt. 10c.

White or Pearl. Very light lemon or primrose. Pkt. 5c; oz. 25c.

Yellow. Light yellow with yellowish foliage. Pkt. 5c; oz. 25c.

Scarlet. Yellow foliage; also called Cloth of Gold. Pkt. 5c; oz. 25c.

Variegated Leaf Dwarf Mixed. A handsome bedding variety as the leaves are always attractive. Flowers come in all colors and contrast with the handsomely variegated leaves. Pkt. 10c.

Dwarf Varieties Mixed. A splendid mixture of all the above, besides many other varieties. Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75.

MORSE'S SUPERB PANSIES

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers late in the spring. The plants must be transplanted twice in order to get the largest flowers; once from the seed box to a chosen bed, and again to the open garden. This is important for large-size pansies; use manure liberally. The blossoms are usually larger in the spring and again in the fall, and while they bloom freely all summer, the blossoms are small during the hot months.

SEPARATE COLORS OR BEDDING VARIETIES

	Pkt.		Pkt.
Atropurpurea: dark maroon.....	.10	King of the Blacks or Faust: black.....	.10
Azure Blue: light blue shaded darker.....	.10	Lord Beaconsfield: deep violet blue on lower petals, shading to azure on the upper petals.....	.10
Bronze: deep mahogany.....	.10	Silver Edged: maroon black, silver edged.....	.10
Cardinal: the nearest approach to a bright red.....	.10	Ultramarine Blue: bright blue.....	.10
Couquette de Poissy: distinct mauve, shading to white on the petals, very pretty shade.....	.10	Victoria: carmine red with face.....	.10
Fairy Queen: blue with azure margin.....	.10	White or Snow Queen: pure white.....	.10
Fire King: yellow with maroon face.....	.10	White, with Black Center.....	.10
Golden Gem: pure yellow.....	.10	Yellow, with Black Center.....	.10
Gold Margined: maroon with line edges of gold.....	.10	Large Flowering Varieties: all mixed (oz. \$2.25).....	.10
Golden Bronze or Fawn Color.....	.10	Striped or Mottled Mixed.....	.10

Twelve packages of any of the above 10c varieties for \$1.00; six for 50c.



Morse's Prize Strain—The finest pansies there are

MORSE'S PRIZE STRAIN. This is a mixture of all the giant flowered varieties, including both plain color sorts, faced sorts and the new giant ruffled edge and rare varieties. The seed is saved from **Exhibition Flowers**, and numbers of gold medals have been won in competition by seed which we use in making our Prize Strain Mixture. Grow this seed with care, following directions, and you will have the most gorgeous giant pansies imaginable. **Price per Packet (about 500 seeds) 50 cents.**

Morse's Special English Exhibition. This seed is from one of the finest prize collections in Great Britain and is especially saved from prize plants. Fanclers of English Pansies will be delighted with these. Pkt. 75c.

Bugnot Mixed. A circular, five-petaled type, with soft, blended colors and tints, veined on the margins and with a large dark blotch in the center of each petal. Pkt. 25c.

Cassler's Giant, Mixed. The blossoms are perfectly round and are blotched at the base of three to five of the petals. The blotches are smaller than in the Bugnot type. Pkt. 25c.

Morse's Giant Strains, Mixed. A superfine mixture of the choicest varieties in all colors. This is a fine mixture of Giant Pansies and with many sorts. Pkt. 25c.

MORSE'S SUPERB PANSIES—Continued

SOME OF THE SORTS TO BE FOUND IN OUR PRIZE STRAIN MIXTURE ARE OFFERED SEPARATELY BELOW, TRULY GIANT IN SIZE

Giant Adonis: light blue with dark blue face, lighter than azure blue.

Giant black: large pure black.

Giant Ultramarine Blue: fine even blue.

Giant Indigo Blue: a deep indigo color with face.

Giant Lord Beaconsfield: three lower petals purple, upper two lavender.

Giant Madam Perret: wine color and white, fine red.

All of the above Morse's Giant Pansies, per pkt. Collection of the 11 Giant Pansies

Giant Masterpiece. These new pansies have a most beautiful combination of rich velvety coloring and attractive wavy or ruffled petals. This wavy effect gives a graceful appearance rarely seen in pansies, and while they are really very large, they appear larger on this account. **Pkt. 25c.**

Giant Odier, or Prize Blotched, Mixed. A large flowered type with round blossoms. The petals are all blotched at the base and distinctively margined on the edge. **Pkt. 25c.**

PASSION FLOWER (Passiflora). One of our best and most showy perennial climbers. Grows luxuriantly either from cuttings or seed. A very satisfactory climber of immense growth, as it will cover a porch or small cottage in one summer; b. h. p.

Pink, evergreen foliage. Pkt. 10c. Purple, pkt. 10c.

Scarlet, evergreen foliage. Pkt. 15c.

White. This was the white-flowered vine hanging from Canary Island Date Palms on Palm Avenue, P. P. I. E. **Pkt. 10c.**

Pelargonium. See Geranium.

Periwinkle. See Vinca.

Giant Purple: a fine rich shade.

Giant Pure White: fine large size.

Giant White Three Spotted: three large purple spots. Trimar-deau type.

Giant Pure Yellow: the largest size of this color.

Giant Yellow Three Spotted: Trimar-deau type of yellow faced pansies. **Pkt. 20c.**

20 cents, or five pkts. your selection for **85c.** above, one of each sort, for **\$1.65.**

Giant Parisian, Large Stained. A strain of large flowering light color Trimar-deau Pansies, with many faced Pansies—a most attractive strain. **Pkt. 15c.**

Giant Trimar-deau, Mixed. The large flowering type of Pansies, called the French strain. The top petals are larger than the three lower ones and are beautifully marked. **Pkt. 10c; ½ oz. \$1.75.**

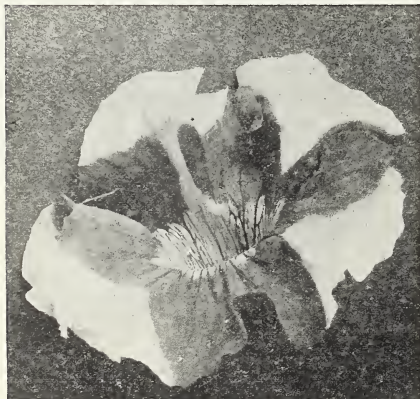
PENTSTEMON. Pentstemon sends up spikes of bright colored and spotted flowers somewhat like the Foxglove, but in a great variety of carmine shades and colors; decidedly beautiful; b. p. **Mixed, pkt. 10c.**

Excelsior Mixed. An extra superb strain of this fine flower. Selected for largest size and finest light colors. You will be pleased with this. **Pkt. 25c.**

Perennial Pea. See Lathyrus Latifolius.

PERILLA NANKINENSIS. Has very dark bronze, almost black foliage. Similar to Coleus. Is of easy culture. A half hardy annual. **Pkt. 5c.**

MORSE'S GIANT PETUNIAS



Giant Single Plain Edged Petunia

Petunias grow with little attention or care and in any soil when once started and bloom profusely all spring and summer. The large, double varieties do not produce seed, but the pollen from them is artificially crossed on the large, single and fringed plants, and the seed so produced will make a percentage of double blossoms. The Giant Flowered types are in large, single, plain edged or fringed edged blossoms, or in very thickly double flowers. As Petunia seed is exceedingly fine, start the plants in a box or

flower pot and merely press into the soil after sowing, cover with chopped moss or sift a little sand over to cover, and, if possible, allow the water to soak up from beneath. The weakest-looking plants will develop into the handsomest flowers, so save all plants carefully.

Petunia Seed is very fine and very expensive; there is therefore but a very little seed, almost like dust, in each packet.

Giant Flowered Varieties, all fertilized by hand:

Single, Plain Edged, Mixed. Deep throated, brilliantly blotched. **Pkt. 25c; ½ pkt., very few seeds, 15c.**

Single, Fringed Edged, Mixed. Deep throated, brilliantly blotched. **Pkt. 25c.**

Morse's Superb Giants. Very strong, vigorous plants with enormous flowers in a great variety of colors, some blotched, some veined and in pretty light shades. If you appreciate fine giant petunias, try these. **Pkt. 50c.**

Double, Plain Edged, Mixed. White, blotched and brilliantly colored. About 20% double. **Pkt. 50c; ½ pkt. 30c.**

Double, Fringed, Mixed. Striped, blotched. **Pkt. 50c.**

Small Flowered Varieties, for bedding:

Rosy Morn. Bears a great number of flowers which are a bright rosy pink with white throat. The plants are small and compact and flower most freely. **Pkt. 10c.**

Dwarf Inimitable. Mixed. A very free-blooming dwarf plant; cherry red with white stripes. **Pkt. 10c.**

Fine Mixed. Good mixture of small free-blooming colors. **Pkt. 5c.**

PHYSALIS FRANCHETTI, or CHINESE LANTERN PLANT. Has bright yellow or scarlet seed pods; t. a. The fruit inside the pod is sometimes made into preserves. **Pkt. 10c.**

PLATYCODON GRANDIFLORA, or JAPANESE BELL. A giant bell flower, growing two feet tall and covered all summer with large steel-blue flowers. One of the very best perennials. **Pkt. 10c.**

Pinks. See Dianthus.

Polyanthus. See Primula.

PHLOX DRUMMONDII

PHLOX DRUMMONDII. Grandiflora. One of the most satisfactory bedding plants because it blossoms over so long a time. A hardy annual, growing from six inches to one foot high, and bearing beautiful and brilliantly colored flowers. Sow seed in the fall for early flowers.

- Atropurpurea.** Deep Purple. Pkt. 10c.
- Carnea.** Blush pink, or flesh. Pkt. 10c.
- Cocinea.** Brilliant scarlet. Pkt. 10c.
- Kermisina.** Vivid crimson. Pkt. 10c.
- Large Blood Red.** Pkt. 10c. **Pure White.** Pkt. 10c.
- Rosy Chamols,** with yellow center. Pkt. 10c.
- Splendens.** Dwarf, bright red, with white eye. Pkt. 10c.
- Violet,** with white center. Pkt. 10c.
- Yellow (Isabellina).** Soft Primrose. Pkt. 10c.
- Starred and Fringed.** Mixed. A mixture of star-shaped and pointed blossoms. Pkt. 10c.
- Collection, one packet each of above ten sorts for 80c.**
- Fine mixture of all colors of the larger types.** Pkt. 10c; ½ oz. \$1.00.
- Dwarf Compact.** Mixed. Low-growing plants, with good-sized flowers. Pkt. 10c.

POPPY

Sow seed in open ground where plants are to remain and thin to six or twelve inches. If left thick the plants will be weak and spindling and the blossoms inferior. To avoid getting the seed too thick, it can be mixed with dry sand before sowing. h. a.

DOUBLE VARIETIES (Annual)

- Cardinal.** A bright scarlet, fringed, double. Pkt. 5c.
- Cardinal Chamols.** Salmon pink. Pkt. 5c.
- Double White, Peony Flowered.** Straight edges. Pkt. 5c.
- Shrimp Pink.** Large double, straight edges. Pkt. 5c.
- White Fringed, or Carnation Flowered.** Large, double fringed. Pkt. 5c; oz. 40c.
- Large Double. Mixed.** All colors. Pkt. 5c; oz. 20c.

SINGLE VARIETIES (Annual)

- Tulip Flowered.** Intense scarlet, single blossoms. Plant about two and one-half to three feet high. The brightest colored of all poppies. Pkt. 10c; oz. 40c.
- Shirley.** The most beautiful type of poppies, having soft, hairy foliage and an immense variety of single blossoms in white, pink, apricot and shades of red and scarlet. The petals are very dainty and look as if made from crepe paper. Mixed. Pkt. 5c; oz. 40c.
- Umbrosium.** Vermillion petals, with black spots on each, similar to Shirley Poppy. Pkt. 5c.

Collection of one packet each of any six 5c kinds for 25c.

PERENNIAL POPPIES

Blooms first year from seed.

- Bracteatum.** Immense orange-scarlet flowers very similar to the Oriental Poppy. Pkt. 10c.
- Iceland, Mixed.** A graceful, delicate variety, 12 inches tall, with white, orange and yellow single blossoms; the petals resembling crumpled tissue paper. The plant is low and compact; excellent for cutting. Sow in the fall where plants are to remain and thin. Pkt. 10c.
- Iceland Double White.** Pkt. 10c. **Iceland Double Yellow.** Pkt. 10c.
- Oriental (the large Oriental Poppy).** A hardy plant, bearing large brilliant crimson flowers, with a black blotch on each petal. Very showy and attractive; two and one-half feet tall. Pkt. 10c.
- Victoria.** A large salmon-colored Oriental Poppy. Pkt. 15c.



Phlox Drummondii Mixed

PORTULACA. Creeping tender annual, six to eight inches high, and bearing glossy, cup-shaped blossoms in very brilliant colors. The foliage and stems are thick. The seed germinates slowly and should be started under glass or when the weather is hot. These flowers love the sunshine and do best on rather dry ground.

- Golden Yellow, pkt. 5c. Scarlet, pkt. 5c. Pink, pkt. 5c. White, pkt. 5c. Single mixed, pkt. 5c. Double mixed; large flowering; pkt. 10c.**

POTENTILLA. Brilliant red flowers. Hardy perennial, 18 in. high. Often called Cinquefoil. Single mixed, pkt. 5c.

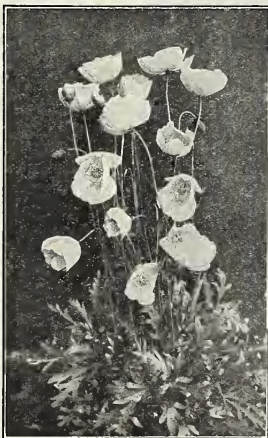
Primrose, Evening. See Oenothera.

PYRETHRUM. Parthenifolium Aureum, or Golden Feather. Small-cut leaves of bright golden yellow. A hardy perennial, with bright foliage, much used for edging and borders. Pkt. 5c; oz. 75c.

Roseum, or Insect Powder. A hardy perennial, with red-petaled flowers radiating from a golden-yellow center. Bubach, or insect powder, is made from the dry leaves. Pkt. 10c.

Grandiflorum (Roseum Hybridum). The flowers vary from light pink to deep carmine, centers yellow. Mixed. Pkt. 10c.

Seleginoides. Fern-leaved edging plant—of great beauty. Pkt. 10c.



Iceland Poppy

The foliage comes in a small, handsome clump

Don't let bugs or plant lice eat up either the flower or vegetable plants you have started. Spray with Black Leaf 40 for plant lice, and with Bordeaux mixture for rust, blight or fungus. We have all kinds of sprayers and remedies. See last pages of catalogue.

PRIMROSE

PRIMULA SINENSIS, or CHINESE PRIMROSE

Greenhouse or pot plants, bearing trusses of large single or double blossoms in bright colors, as well as soft tints. Sow seed in April or May for winter blooming. Our seed is from the very finest strains.

Giant Single Fringed Varieties—

- Alba Magnifica. Pure white. Pkt. 25c.
- Bright Blue, pkt. 35c.
- Bright Rose, pkt. 25c.
- Rosy Morn. Blush pink. Pkt. 25c.
- Scarlet, pkt. 25c.
- Single Fringed Varieties. A splendid mixture. Pkt. 25c.
- Double Fringed Flowers. Saved from the finest blossoms. Pkt. 50c.
- Filicifolia, or Fern Leaved Varieties. Mixed. Pkt. 25c.

RANUNCULUS. Very handsome double flowers, 10 inches high, about two inches across. Blooms the first year from seed. Mixed. Pkt. 10c.

Red-Hot Poker Plant. See Tritoma.

RHODANTHE (Everlasting Flower). For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Everlasting rose and white mixed. Pkt. 5c.

Ricinus. See Castor Oil Bean.

ROMNEYA COULTERI (California Tree Poppy.) Also well known as the **Matilija Poppy.** This fine perennial is of a supreme and stately beauty. The flowers are large, four to five inches across, pure white, crinkled like crepe paper, with a line bunch of yellow stamens, resembling white single paeonies. The seed takes from three to nine months to germinate. Pkt. 15c.

Half Hardy Primulas—

Auricula. The Primrose of the Alps. Flowers variously colored, mostly yellow; fragrant. Seed from selected strain. Pkt. 15c.

FAIRY PRIMROSE, "Pride of Pasadena" (Primula Malacoides). Flowers are small, but they come in immense numbers. Blooms all winter out of doors in San Francisco; lavender colors; h. h. p. Pkt. 25c.

Obconica Grandiflora. A lovely free-flowering Primula, white tinged with lilac; stems nine inches high. Pkt. 25c.

Veris Polyanthus. A hardy sort, blooming early in the open gardens. Colors mostly red and yellow. Mixed colors. Pkt. 10c.

Vulgaris. The true yellow English Primrose. Pkt. 10c.

RUBECKIA (Cone Flower). Bicolor Superba. The center of this flower is brown, the petals golden yellow, with velvety brown spots at the base. A free-flowering annual; three feet high; very effective as a cut flower. Pkt. 10c.

SALPIGLOSSIS. A half-hardy annual, growing about three feet high and bearing trumpet-shaped blossoms of richest shades and colors. Mixed pkt. 5c.

Emperor (Superbissima). We have a splendid giant flowered strain; each stem is loaded with these most handsome flowers, each one richly veined with gold. Pkt. 10c.

SALVIA, or FLOWERING SAGE. Very free-flowering late Summer plant. Flowers are of intense scarlet. Start seed indoors early. Tender perennial.

Patens. Bright blue flowers, two feet tall. Pkt. 25c.

Splendens. Bright scarlet flowers. Pkt. 10c; ¼ oz. 80c.

Boeing. A new dwarf Scarlet Sage, of dense compact growth. From 20 to 24 inches high. Pkt. 15c; ¼ oz. 75c.

Dark Blood Red. A new tall variety with large flower spikes, much darker and richer than other scarlets. Pkt. 10c.

SANVITALIA. Hardy trailing annual; bright yellow blossoms. Procumbens Fl. Pl. Pkt. 5c.

SCABIOSA

SCABIOSA, or MOURNING BRIDE. Also called Sweet Scabious, **Old Maid's Pincushion**, etc. Our mammoth flowered strain of this old-fashioned flower is very beautiful and worthy of a place in every garden. The tall flowers are especially adapted for cutting and massing in the garden. Annual (self-sown in California), 2½ to 4 feet high. These new flowers are double clear to the center, covering the thimble-shaped cone.

Mammoth Flowered, Double or Maxima. Mixed. An improved strain with large petals and beautiful colors. Pkt. 5c.

Tall Double Sorts all 10c per pkt. Azure Fairy, light blue; Black Purple; Rose, flesh pink; Snowball.

Dwarf Double Mixed, pkt. 5c.

SCABIOSA Caucasica. A hardy perennial variety, with pale blue flowers, four to five inches across, and long stems. One of the handsomest perennial flowers; valuable for cutting. Pkt. 10c.

Japonica, h. p.; 2½ ft. beautiful, artistic lavender blue single flowers. Pkt. 10c.

Scarlet Flax. See Linum.

SCHIZANTHUS. Hardy annuals, growing 1½ to 2 feet high, and covered with bright, showy, butterfly-like blossoms. Large flowering. Mixed. Pkt. 10c.

Wisetonensis. Remarkably free-flowering and presents a beautiful appearance with its myriads of blooms, the ground color of which is white, dotted with delicate rose. A very shy seeder. Make several plantings, as the plants come into bloom quickly, are a burst of color and are out of bloom. Pkt. 25c.

Retusus. Beautiful for the garden or the conservatory. Red orchid-shaped flowers with yellow lip. Pkt. 10c.

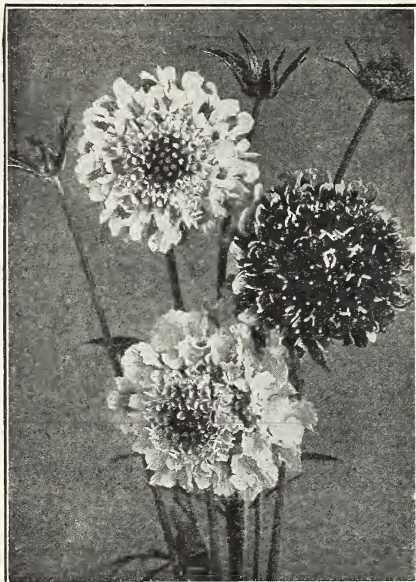
Retusus Aibus. White flowers with a yellow blotch. Pkt. 15c.

Retusus Rosamond. Rosy lilac with yellow lip. Pkt. 15c.

Retusus Trimaculatus. Rosy crimson, with yellow lip. Pkt. 15c.

SEDUM, Coeruleum. Blue stone Crop. A little annual bedding plant, four inches high; good in carpet work. Pkt. 10c.

SILENE, or CATCHFLY. Hardy annual, growing about one foot high and bearing small, attractive flowers in various colors. Of easy culture and valuable for bedding. Mixed. Pkt. 5c.



Scabiosa—Mammoth Flowered Mixed

MORSE'S SNAPDRAGONS

Wonderful development has been made in these lovely flowers, increasing their size and adding shades of most delicate pink and of blended buff and amber. Already we had fine whites, yellows and maroon. These newest sorts, which we offer below, are different from the older types, more varied and more beautiful. Use the Intermediate type for bedding—the spikes will be the best size for cutting, while for bedding the height will be just right.

Snapdragons are biennial and may be sown in the fall or in the spring out of doors where they are to remain, or they may be sown in boxes and transplanted. Snapdragons are fine cut flowers, easily raised.

TALL, LARGE FLOWERING TYPE
24 to 30 inches tall.

- Blood Red.** Dark crimson maroon with dark foliage. Pkt. 10c.
Cottage Maid. Beautiful pale pink with white throat; dainty and pretty. Pkt. 10c.
Crescia. Scarlet. Pkt. 10c.
Firefly. Scarlet and white. Pkt. 10c.
Katharine Morse. A wholly new type with wide flowers. The color is old rose blended. Calyx and stem dull gray green. Pkt. 20c.
Queen Victoria. Pure white. Pkt. 10c.
Venus. A delicate shade of pink, white tube. Large flower and deeper than Cottage Maid. Pkt. 10c.
Vermillion Brilliant. Fine orange scarlet. Pkt. 10c.
Yellow. Large, golden yellow. Pkt. 10c.
Giant Striped Mixed. Finest Scotch strain, unsurpassed for size and beauty and variety of these sorts. Pkt. 10c.
Collection of 1 pkt. each of 9 named kinds for 75c.
Ordinary Mixed. Pkt. 5c.
Giant Flowered. Mixed. Pkt. 10c; ¼ oz. 40c.

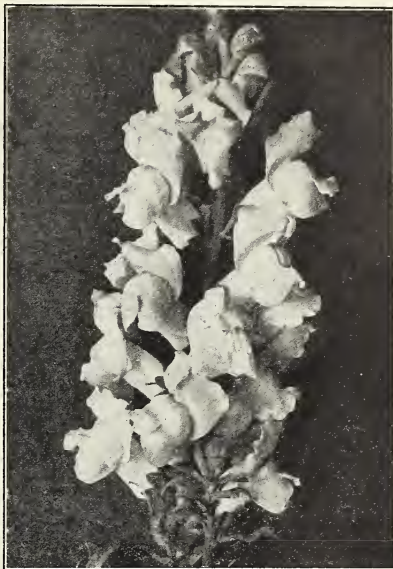
INTERMEDIATE TYPE
15 to 24 inches high—for bedding.

Buy named sorts for finest varieties and results.

- Amber Queen.** Blended yellow with old rose lips; very large flower. Pkt. 15c.
Black Prince. An even wine maroon color. Pkt. 10c.
Buff Queen. Lovely shade of rose with shaded orange lip. Pkt. 10c.
Carmine Queen. Even light carmine, distinct and pretty color. Pkt. 15c.
Crimson Queen. Very dark velvety red with dark tube. Pkt. 10c.
Delicata. Delicate pink on white ground, like Cottage Maid. Pkt. 10c.
Diana. Beautiful clear, bright pink with white throat. Pkt. 10c.
Fascination. Deep flesh pink; new. Pkt. 15c.
Golden Queen. Large rich yellow. Pkt. 10c.
Grenadier. Novely orange-scarlet face with yellow lip and having a white tube. Whole effect is bright flame deep yellow and white. Pkt. 15c.
Mauve Beauty. An entirely new and rare color. A lovely shade of pale clear mauve. Pkt. 20c.
Malze Queen. Blended yellow face and center, tube light pinkish bronze; large blended flowers. Pkt. 10c.
Nobe. Very dark maroon with white throat. Pkt. 10c.
Noble. Blush white with distinct carmine blotch at throat; white tube; very striking and effective. Pkt. 10c.
The Fawn. Novely. Rosy-fawn color with white tube and yellow lips; face beautifully blended; a fine bright new shade. Pkt. 15c.
Vesuvius. Orange or flame color. Pkt. 10c.
White Beauty. The finest white. Award of Merit R. H. S. Pkt. 10c.
Collection. Five or more packets of above at 20 per cent from total price for the individual pkts.
Intermediate Grandiflora Mixed. Pkt. 10c; ¼ oz. 40c.
Picturatum. Striped and blotched. Pkt. 10c.
Tom Thumb, or Dwarf. Mixed. Pkt. 10c.

SMILAX. A climbing perennial with beautiful bright-green glossy leaves, much esteemed for its long, delicate sprays of foliage. Pkt. 5c; oz. 50c.

SOLANUM CAPSICASTRUM (Jerusalem Cherry). For house or garden culture, the flowers are followed by small brightly colored fruit or berries, which almost completely cover the plants. Pkt. 10c.



Snapdragon White Beauty

Solanum Seafothianum. Blue climber; t. p. Pkt. 15c.
Spider Plant. See Cleome Pungens.

STATICE SINUATA (Sea Lavender). Everlasting flower much used by florists for winter bouquets. Annual, two to three feet. Each floweret is small, but the plant is very effective. The seed is difficult to germinate.

Yellow, pkt. 10c. Blue, pkt. 10c.

STEVIA. A tender perennial, one and one-half feet high, and bearing clusters of small, white, fragrant blossoms. Suitable for summer or winter blooming, and for pot culture or open air. *Serrata.* Pkt. 10c.

STOKESIA, or CORNFLOWER ASTER. A hardy perennial, two feet high, and bearing large blue flowers on long stems. Blooms freely all summer and fall, and is of easy culture, but is hard to start from seed. *Cyanea.* Pkt. 10c.

STRAWFLOWERS. See *Acroclinium*, *Gomphrena*, *Helichrysum*, *Honesty*, *Statice*, *Rhodanthe*, *Xeranthemum*.

Sunflower (Helianthus) Hardy annuals, growing from three to six feet high. Of the easiest culture and suitable for a stately row or background. Plant when the ground is well warmed in light or sandy soil.

Chrysanthemum Flowered. Large, densely double, bright golden flowers. The plant branches and affords fine, long stout stems for cutting. This is the best variety in existence; six to eight feet. Pkt. 5c; oz. 35c.

Cucumerifolius Perkeo (Miniature Sunflower). The Cucumerifolius sunflowers are small both in flower and plant, and are often called Cut and Come Again Sunflowers. Perkeo is only two feet tall, but is covered with small (three-inch) golden yellow flowers with a dark eye. Pkt. 10c.

Cucumerifolius Stella. Is considerably taller than Perkeo and has larger single flowers, six inches across; yellow with black center. Pkt. 5c; oz. 50c.

Cucumerifolius, Double Hybrids. Double and semi-double miniature sunflowers. Pkt. 10c.

SUNFLOWER—Continued

- Miniature Grandifera.** This is a pretty and refined flower 4 inches across. Pkt. 5c.
- Red Sunflower.** Some are solid red, of a deep maroon shade; others are red with petals gold tipped, and a variety of other pleasing combinations of red and gold. Pkt. 10c.
- Sweet Alyssum.** See Alyssum.
- SWEET ROCKET (Hesperis).** A hardy perennial, growing 2 to 3 feet high. An old-fashioned, fragrant flower of the easiest culture, and bearing clusters of white and purple blossoms. Mixed. Pkt. 5c.
- Sweet Sultan.** See Centaurea Moschata.
- SWEET WILLIAM (Dianthus Barbatus).** A beautiful sweet scented old-fashioned perennial. Grows 1 to 2 feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowerets are handsomely colored and marked. It makes a beautiful bedding plant, and is of easy culture; h. p.
- Single Varieties.** Mixed. More attractive than the double. Pkt. 5c; ½ oz. 40c.
- Double Varieties.** Mixed. Pkt. 10c.

STOCKS

Ten Weeks Stocks, or Gilliflowers

No matter if situation is cold and windy, Stocks will bloom there, and give the garden color when otherwise it might be bare. They come in all shades—delicate pink, white, red, cream and purple. Stocks are annual and hardy; they may be sown out of doors in spring, or in boxes in winter and transplanted. Sow early one-eighth inch deep. While all will flower the first year, the Dresden, Brompton and Winter Stocks will last for two years.

Stocks have been greatly improved by selection, and our strains, which are raised by expert growers, give fully 60 per cent of double flowers. There always will be some single plants, as those are the only ones which bear seed, and the plants should be set out in the garden sufficiently close for these single ones to be pulled up when they show their first flower, and still leave plenty of fine double plants. Stocks are of easy culture, and a long time in bloom, are hardy, beautiful and very satisfactory.

SUMMER STOCKS

Morse's Dwarf Large Flowering Ten Weeks: Our strain of these has great rosettes set closely together so that the entire plant is hidden in the mass of bloom. Plants 12 to 15 inches tall and early; the best for bedding effects or edges. Ours is a selected strain.

Blood Red, pkt. 15c. Light Blue, pkt. 15c. White, pkt. 15c.

Canary Yellow, Chamomile Pink, pkt. 15c.

Pink. Very dainty light pink. Pkt. 15c.

Mauve, pkt. 15c. Purple, pkt. 15c. Mixed, pkt. 10c.

Collection of seven sorts for 85c.



Nice Stocks, Beauty of Nice
"Nice" Stocks have blossoms loosely set

Giant Perfection. An early or Ten Weeks' Stock, with tall spikes of large very double flowers. This stock branches into a pyramidal form and is 2 feet tall. Mixed. Pkt. 15c.

PERPETUAL TYPE

Or Cut and Come Again

Early, large flowering, type.

Bright. Deep rose crimson, a very fine color. Pkt. 15c.

Creole. A light yellow slightly tinted flesh. Pkt. 15c.

La France. Light pink. Pkt. 15c.

May Queen. Delicate lilac. Pkt. 15c.

Pure White. A pure white double Stock very largely used by florists. Pkt. 15c.

Sapphire. A good purple. Pkt. 15c.

Collection of six varieties for 70c.

Dresden Mixed. All colors. Pkt. 15c; ¼ oz. 50c.

NICE STOCKS

FOR SUMMER AND WINTER

Tall stocks nicely branching, having large double flowers, not tightly clustered but borne along the entire stem. Sow in July and August and they will flower all winter. There are many new varieties in this class. May be treated as summer stocks, for they bloom quite early from seed; 2 feet; h. b.

Almond Blossom. Blush pink, shaded deeper. Pkt. 15c.

Beauty of Nice. A beautiful flesh pink. Pkt. 15c.

Crimson King. Splendid crimson color. Pkt. 15c.

Mont Blanc. Improved pure white. Pkt. 15c.

Monte Carlo. A good yellow. Pkt. 15c.

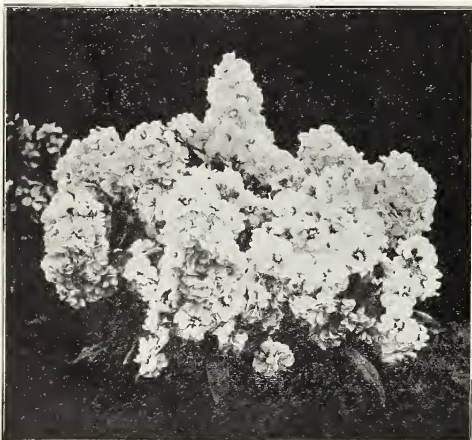
Nice Purple. Purple or violet color. Pkt. 15c.

Queen Alexandra. Light lilac shading deeper at bottom

of petals and lighter on the new flowers. Pkt. 15c.

Collection of 7 varieties for 80c.

Nice Stocks Mixed, pkt. 15c; ¼ oz. 50c.



Stock, Cut and Come Again, May Queen

WINTER STOCKS

Handsome late flowering sorts.

- Emperor Large Flowering.** White, pkt. 20c. Mixed, pkt. 20c.
White Lady. Our new pure white winter Stock grows about 20 inches high, has large branches bearing lustrous snowy white, double flowers most freely. The grandest white Stock there is. Pkt. 20c.
Winter, or Perennial Brompton. Late flowering. Mixed, pkt. 20c.

THUNBERGIA, or BLACK-EYED SUSAN. A hardy annual climber, growing about 4 feet high. Blossoms are buff, orange or white, with dark centers. Mixed. Pkt. 5c.

Tithonia Speciosa. A new orange-colored flower resembling a single Zinnia in form. Starts blooming at 2 feet and grows to 6 feet high. Flowers are on stiff stems. Pkt. 10c.

TORENIA. A little annual flower, trumpet-shaped, and used for bedding like Pansets.

Fournieri. Velvety blue, with three dark spots of indigo and a bright yellow throat. Pkt. 10c.

White Wings. Dainty, white flowers, tinted with rose at throat. Pkt. 10c.

TRANSVAAL DAISY (Gerbera Jamesoni). Intense vermilion. Flowers 4 inches across, on tall stems 18 inches high. Sow seed upright, stem end up, in box of peat and loam. Two plants from a package is a fair average. Do not over-water; very beautiful; t. p. Per pkt. of 15 seeds, 25c.

TRITOMA, New Hybrids (Red-Hot Poker Plant). Pkt. 15c.

VALERIAN. Flowers like Centranthus; does well in half shade; 2½ feet, d. p. Mixed. Pkt. 5c.

VERBENAS. A half-hardy trailing perennial of easy culture. While it grows readily from division of the root or from cutting, it does best from seed. Use extra care in starting, as seed is rather difficult to start well. Seed may be soaked in warm water to hasten germination. It is well known as a bedding or border plant, and the improved large flowered and fragrant strains make it a handsome cut flower for low vases.

Mammoth Auricula Flowered. Fine large verbenas in big heads. Each flowerlet is large and with clearly defined eye. Pkt. 10c.

Mammoth Flowered. Mixed. Pkt. 10c.

Pink Shades. Mammoth strains of rose shades. Pkt. 10c.

Pure White. Mammoth strain. Pkt. 10c.

Purple and Blue Shades. Mammoth strains. Pkt. 10c.

Scarlet Defiance. Large brilliant scarlet. Pkt. 10c.

Striped Varieties. Mixed. Pkt. 10c.

Hybrida Gigantea. New giant Auricula-flowered Verbena in new and beautiful shades. Per pkt. 15c.

Morse's Extra Selected Mammoth Strain. Mixed. Pkt. 15c.

VINCA, or MADAGASCAR PERIWINKLE. Useful for bedding in summer and for the greenhouse in winter. Blooms freely the first year from seed; t. p. The trailing blue Vinca or Myrtle never seeds; see plant list. Rose, crimson, white, etc. Mixed. Pkt. 10c.

VIOLAS, or TUFTED PANSIES. These have smaller flowers than the regular pansies, but bear them so profusely that they are preferred for bedding effects where color only is wanted; 6 inch. h. b. p.

Purple (Cornuta), pkt. 10c.

White, pkt. 10c.

Yellow, pkt. 10c.

Mixed, all varieties, pkt. 10c.

VIOLET, or Viola ODORATA. Although these flowers do best propagated from cuttings, they grow readily from seed, and produce a very fragrant blossom. We offer the large flowering favorite blue variety. Single, Sweet-scented. Pkt. 10c.

VIRGINIA STOCKS. Red and White mixed. Pkt. 5c.

VISCARIA (Rose of Heaven). Flowers pink and white, shaped somewhat like a single pink; annual; 12 inches tall. Pkt. 5c.

WALLFLOWER. Half-hardy perennial, blooming the first year from seed. 1 to 2 feet.

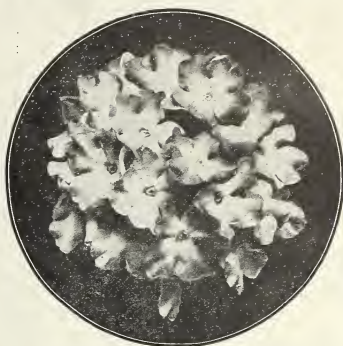
Double Mixed. Pkt. 15c.

Fine Single. Mixed. Pkt. 5c.

Tom Thumb Golden. Small, compact plant, single blossom. Pkt. 10c.

WISTARIA, Ohnese Flowering, Tall Blue. Climber. Pkt. 15c.

XERANTHEMUM (Everlasting Flower.) Annual; 3 feet; bearing white, purple or yellow blossoms. Double Mixed. Pkt. 10c.



Mammoth Flowered Verbena

ZINNIA

See Back Cover Illustration

Blossoms are very double, and while the stems are stiff they make an excellent bouquet flower. Probably no flower has such an assortment of bright shades, tints and colors; no bedding plant is more effective for a brilliant show. Sow in boxes early and transplant. Large flowers need plentiful watering when plants are large.

- | | |
|--------------------------------|--|
| Elegans Double: | Scarlet. Very bright. Pkt. 10c. |
| Black Purple, pkt. 10c. | White, pkt. 10c. |
| Dark Crimson, pkt. 10c. | Yellow, pkt. 10c. |
| Flesh, pkt. 10c. | Mixed. All colors. Pkt. 5c. |
| Magenta, pkt. 10c. | Collection of 7 colors for 50c. |
- DOUBLE GIANTS (Grandiflora Robusta Plenissima.)** New large giants. Flowers large in size and depth. An excellent, much improved strain. We can also supply now this grand Zinnia in the following separate colors, all at 15c per pkt; ½ oz. 75c.

- | | | |
|----------------------|--|--------------|
| Crimson | Purple | White |
| Flesh Pink | Scarlet | Mixed |
| Golden Yellow | Collection of any 2 pkt. for 25c. | |
- Burnt Orange.** New giant flower. Novelty. Pkt. 25c.
Double Lilliput. A dwarf plant. Mixed. Pkt. 10c.
Pompon Mixed. This has globe-shaped flowers. Pkt. 5c.
Striped, or Zebra. Mixed. Pkt. 5c.

MORSE'S NEW DAHLIA FLOWERED ZINNIAS.
 See back cover and description on inside. These wonderful Zinnias should be everywhere. Pkt. 25c.

California Wild Flower Collection

The descriptions of these beautiful wild flowers you will find in the list of Flower Seeds under their alphabetical order. We have given below descriptions of those sorts not listed elsewhere. What could give more pleasure than growing these beautiful wild flowers at home! One packet of each is included in this collection. If some variety does not seed this year, we will substitute with another sort.

- Baby Blue Eyes,** see Nemophila Insignis
- Blazing Star,** see Bartonella Aureo
- Blue Gilia,** see Gilia Achilleaeifolia
- California Poppy,** see Eschscholtzia Californica
- California Wild Lilac (Geanothus).** Shrub with light blue blossoms. Pkt. 15c.
- Clarkia,** see Clarkia Elegans
- Evening Primrose,** see Oenothera
- Farewell to Spring,** see Godetia Amoena
- Lupin,** see Lupin.
- Matilija Poppy,** see Rommeya Coulteri
- Sand Verbena,** see Ahornia Umbellata
- Sweet-scented Shrub, California (Calyanthus Occidentalis).** The flowers are chocolate or wine colored and have a spicy fragrance when crushed. Pkt. 15c.

ALL POSTPAID FOR 75c.

"Morse's 100" of the newest Dahlias. See page 78.

MORSE'S SWEET PEAS

COLLECTIONS OF CHOICEST SORTS

(All packets are full sized and separate)

Morse's \$1.00 "Grand Prize" Collection

15 OF THE BEST SPENCER VARIETIES.

Dobbie's Cream: Best Cream Spencer.
Dobbie's Lavender George Herbert.
Elfrida Pearson: Best and largest light pink.
George Herbert: Best rose crimson.
Helen Lewis: Best orange.

Illuminator: Beautiful salmon orange.
King Edward Spencer: Best red
King White: Best white.
Hercules: Best rose pink
New Margaret Madison: Best pale lavender.

Margaret Atlee: Best deep cream pink.
New Miriam Beaver: Best light cream pink.
Rosabelle: Best bright rose.
Royal Purple: Best purple.
Scintillator: Cream white striped rose.

These varieties were included in our Prize Winning Exhibits, P. I. E., 1915.

Morse's "Medal of Honor" Collection, 75c

11 OF THE LEADING SPENCER VARIETIES.

Barbara: Best salmon orange.
Blue Picotee: Best blue-edged variety.
Constance Hinton: Very large white.
Henrietta: Wonderful double flesh pink.

Mrs. Cuthbertson: Rose and light pink.
Mrs. Hugh Dickson: Beautiful light cream pink.
King Edward Spencer: Best red.

Senator Spencer: Chocolate striped.
Thomas Stevenson: Best giant orange.
R. F. Felton: Best lavender.
Royal Purple: Best purple.

Morse's "Gold Medal" Spencer Collection, 25c

4 OF THE VERY BEST SPENCER SWEET PEAS.

Royal Purple: Best purple.

New Miriam Beaver: Best light cream pink.

King White: Best white.
Rosabelle: Best rose crimson.

Morse's Extraordinary Spencer Collection, \$2.50

35 VARIETIES, INCLUDING MOST OF THE FINEST SORTS.

Agricola: White flushed heliotrope.
America Spencer: Best red stripe.
Bertrand Deal Imp: Large rosy lilac.
Blue Picotee: Best blue edged.
Clara Curtis: Large cream.
Culebra: Pale blue striped on white; very double.
Dainty Spencer: Best pink edged.
Dobbie's Cream: Best cream.
Dobbie's Lavender George Herbert.
Elfrida Pearson: Best pale pink.
Etta Dyke: Giant white.
Flora Norton Spencer: Very fine blue.
Gaiety Spencer: Fine rose stripe.

Geo. Herbert: Best rose crimson.
Henrietta: Flesh pink, handsomely doubled.
Illuminator: Beautiful salmon orange.
King Edward Spencer: Best red.
King White: Best white.
Margaret Atlee: Best deep cream pink.
Marie Corelli: Fine bright rose.
Marks Tey: Large purple maroon.
New Margaret Madison: Best pale lavender.
New Miriam Beaver: Best light cream pink.
Mrs. Cuthbertson: Best rose bicolor.

Mrs. C. W. Breamore: Best cream rose edged.
Mrs. Hugh Dickson: Fine pale cream pink.
Nubian: Best maroon.
R. F. Felton: Best lavender.
Rosabelle: Best bright rose.
Royal Purple: Best purple.
Scintillator: 1918 novelty; rose, delicately striped on cream.
Senator Spencer: Best chocolate flake.
Stirling Stent: Best salmon colored.
Thomas Stevenson: Best giant orange.
Wedgwood: Best blue.



After flowering 3 months there are still plenty of blossoms. Fine success of Morse's Sweet Peas grown in Oakland by Mrs. H. Wilson.

MORSE'S NEW EARLY LONG SEASON SPENCER SWEET PEAS

These are in brief a new race with flowers of the largest size; with 3 and 4 blossoms to a stem, and they come early—nearly two months ahead of the ordinary Sweet Peas. They are the best for greenhouses, and the Southern part of the State, and for early flowers everywhere. See page 49 for these Novelties. These were developed on the Morse seed ranch and were introduced by us.

Santa Ana, Calif.

C. C. Morse & Co.:

Please find order for sweet peas, with money order for same.

Having had such good success with what I got last year, I feel I cannot miss getting more.

I would like to say that out of one dollar and sixty-five cents' worth of seed I sold over fifteen dollars' worth of flowers to the flower shops, besides sending to the sick and Red Cross as many more.

A pleased customer.

Mrs. W. M. J.

General List of Morse's "Grand Prize" Sweet Peas

We are known the world over as the Largest and Best Growers of Sweet Peas.

Our Special Sweet Pea Booklet, entitled "Sweet Pea Culture," giving full and practical instructions for growing Sweet Peas for exhibition purposes and for garden decoration, will be gladly mailed Free to anyone requesting it

<p>Awarded GRAND PRIZ -</p> <p>Awarded Medal of Honor</p> <p>Awarded Gold Medal - - (British Sweet Pea Society)</p>	}	<p>Panama-Pacific International Exposition, San Francisco, 1915. (Growing exhibit on Cordon System.) Collection of 100 varieties Spencer Sweet peas. (Col. blooms at American Sweet Pea Society's Show, San Francisco, 1915.)</p> <p>Medal given by British S. P. Society for best trade display of Sweet Peas at the American Sweet Pea Society's Show, San Francisco, 1915.</p>
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The Highest Possible Awards to be Obtained for Sweet Peas

MORSE'S SUPERB SPENCER SWEET PEAS

NOTE: Initial (S) after name means waved or Spencer Giant Flowered Type.

All of the Most Glorious Flowers with truly Giant Blossoms are our Spencer Sweet Peas. All Have Three or Four Immense Blossoms to a Stem

PRICE IS 10c PER PACKET, EXCEPT WHERE OTHERWISE NOTED.

White

- CONSTANCE HINTON (S).** Probably the largest white Spencer; slight tint of pink when young. Per pkt. 10c; oz. 50c.
- ETTA DYKE (S).** Large pure white. Oz. 50c.
- KING WHITE (S).** A giant white. Oz. 50c.
- WHITE SPENCER (S).** Morse's Re-selected, a superior strain of the very finest Spencer. Oz. 50c.

Cream Pink Shades

- DORIS USHER (S).** Light salmon pink. Pkt. 10c; oz. 50c.
- HENRIETTA (S).** Very double and dainty, clear flesh pink. Pkt. 10c.
- MARGARET ATLEE (S).** Most beautiful deep cream pink Sweet Pea. Color warm salmon pink perfectly diffused over cream ground. Oz. 50c.
- MRS. C. W. BREADMORE (S.)** Primrose with pink edges. Oz. 50c.
- MRS. HUGH DICKSON (S.)** Buff, apricot and rose. Oz. 50c.
- MRS. RUTZAHN (S.)** Apricot, pink and straw color. Oz. 50c.
- NEW MIRIAM BEAVER (S.)** Soft Shell pink and salmon. Per pkt. 10c; oz. 60c.
- SCINTILLATOR (S).** With flashing orange rays on a cream background. New and handsome. Pkt. 10c.
- W. T. HUTCHINS (S.)** Buff and light primrose, shading to apricot at margins. Oz. 50c.

Pink Shades

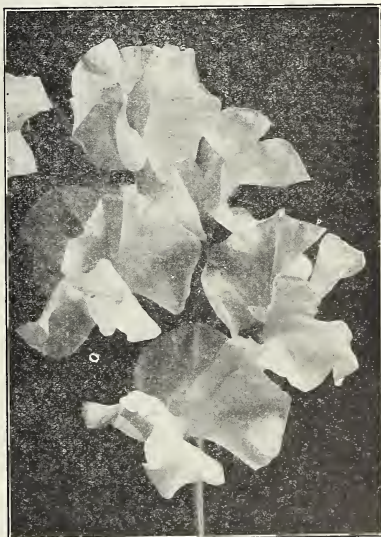
- AGRICOLA (S.)** Pale pinkish heliotrope, flushed over white ground. Per pkt. 10c; oz. 50c.
- COUNTESS SPENCER (S).** The original giant flowered Spencer. Clear pink. Oz. 50c.
- DAINTY SPENCER (S.)** White with rose-pink edges. Oz. 50c.
- ELFRIDA PEARSON (S.)** Light pink or white, edged and shaded. Oz. 50c.
- FLORENCE MORSE SPENCER (S.)** White and blush pink edge. Oz. 50c.
- HERCULES (S.)** Clear pink, larger than Countess Spencer.
- MARTHA WASHINGTON (S.)** White with bright pink margin. Oz. 50c.

Primrose, Cream or Ivory Shades

- CLARA CURTIS (S.)** Very large, wavy cream, or light primrose. Oz. 50c.
- DOBBIE'S CREAM (S.)** Large and fine; deep cream.
- PARADISE IVORY (S.)** Light primrose with slight tint of pink. Oz. 50c.
- PRIMROSE SPENCER (S.)** Clear primrose, large and wavy, white seeded. Oz. 50c.
- QUEEN VICTORIA SPENCER (S.)** Black seeded, open blush, but turns primrose. Oz. 50c.

Orange and Salmon Pink Shades

- AURORA SPENCER (S.)** Bright orange-pink striped, mottled and faked on white. Oz. 50c.



Sweet Pea, Florence Morse Spencer

- BARBARA.** Bright salmon orange with dark stems. Pkt. 10c.
- CONSTANCE OLIVER (S.)** Cream ground suffused with orange-rose. Oz. 50c.
- FIERY CROSS (S.)** Brilliant flame color. Oz. 75c.
- HELEN LEWIS (S.)** Orange-pink, with bright orange standard. Oz. 60c.
- ILLUMINATOR (S.)** Brilliant orange-scarlet. Per pkt. 10c.
- PRESIDENT.** Dazzling orange-scarlet, a very bright, line pea. Pkt. 10c; oz. 75c.
- ROBERT SYDENHAM (S.)** Great English pea, orange colored.
- STIRLING STENT (S.)** Metallic salmon. Oz. 75c.
- THOS. STEVENSON (S.)** Giant flame-colored Spencer. Oz. 60c.

GENERAL LIST OF MORSE'S GRAND PRIZE SWEET PEAS—Continued

PRICE IS 10c PER PACKET, UNLESS OTHERWISE NOTED

Rose and Very Light

Pink—Bi-Color

- APPLE BLOSSOM SPENCER (S.)**. Standard bright rose, wings primrose, with a flush of rose. Oz. 50c.
- MRS. CUTHBERTSON (S.)**. Giant flowered rose and light pink. Oz. 50c.
- YARRAWA (E. S.)**. Giant early flowering bicolor. Very strong stems. Pkt. 15c; oz. \$1.00.

Red Shades

- AMERICA SPENCER (S.)**. Bright red, striped and flaked on white. Oz. 50c.
- GAJETY SPENCER (S.)**. Bright rose-crimson striped and flaked on ivory white. Oz. 50c.
- KING EDWARD SPENCER**. The best pure red Spencer. Oz. 50c.
- GEO. HERBERT (S.)**. A large Spencer rose-crimson, suffused with magenta. Oz. 50c.
- MARIE CORELLI (S.)**. Bright glowing crimson. Oz. 50c.
- ROSABELLE (S.)**. Very large and beautiful bright rose crimson. Oz. 50c.
- VERMILION BRILLIANT (S.)**. Pure scarlet. Oz. 50c.

Lavender Shades

- ASTA OHN (S.)**. Soft, pinkish lavender self. Very large and wavy. Oz. 50c.
- BLUE PICOTTE (S.)**. White with narrow edging of blue.
- CULEBRA (S.)**. Giant duplex pale blue. Novelty of last year.
- DOBBIE'S LAVENDER GEORGE HERBERT (S.)**. Fine lavender, color bluish lavender after standing in water.
- FLORA NORTON SPENCER (S.)**. Bright blue with tint of purple. Oz. 50c.
- MASTERPIECE (S.)**. Large wavy lavender-tinted mauve.
- MRS. TOWNSEND (S.)**. White with light blue edge. Oz. 50c.
- NEW MARGARET MADISON (S.)**. Best azure blue.
- WEDGEWOOD (S.)**. Larger than Zephyr; silvery blue. Oz. 50c.

Blue and Purple Shades

- BERTRAND DEAL IMPROVED (S.)**. Large rosy lilac. Oz. 50c.
- CAPT. OF THE BLUES SPENCER (S.)**. Clear purplish blue, lighter at edges. Oz. 50c.
- HELEN PIERCE SPENCER (S.)**. Marbled blue on white. Oz. 50c.
- FLORIE (S.)**. Pastel combination of magenta and purple.
- SENATOR SPENCER (S.)**. Chocolate and brown striped, flaked on ivory white. Oz. 50c.

Deep Maroon, Purple and Blue Shades

- NUBIAN (S.)**. Largest and deepest maroon. Oz. 35c.
- OTHELLO SPENCER (S.)**. Deep rich maroon, very dark.
- ROYAL PURPLE (S.)**. Rich royal purple; strong grower, beautiful flowers. Oz. 50c.
- WARRIOR**. Rich maroon. Flower of extra size. Oz. 60c.



New Duplex Sweet Pea Culebra

Cupid or Dwarf Peas

These make a very pretty edging for sidewalk or flower bed. The bright little flowers are borne in great profusion and make a very pleasing sight.

Pink—Color of Blanche Ferry, or rose standard, and white wings. Oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.25.

White—Pure white. Oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.25.

Mixture of all colors, including those listed and many more besides. Oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50.

Grandiflora Sweet Peas

Although one would suppose from the name that these were the largest flowered, that is not the case, as all Spencer varieties are larger and finer. This Grandiflora type was the predecessor of all the Spencers and is greatly ahead of their ancestors—old peas now entirely discarded.

Grandiflora Sweet Peas are shell-shaped, moderate-sized flowers in all colors, some of them being very pure. The flowers have great substance and are too good to be thrown out.

PRICE is 5c per packet; 20c per oz.; 50c per ¼ lb., for ALL varieties.

Black Knight. Deep maroon, shade of a Black Tartarian cherry.

Dorothy Eckford (G.). White seeded, pure white, large shell shaped.

Helen Pierce. Clear blue marbled on ivory white.

Hon. Mrs. E. Kenyon. Large semi-hooded, cream-colored, seed white.

Janet Scott. Clear pink at base and shading to buff at edges.

King Edward VII. One of the very best pure red shades.

Lady Grisell Hamilton (G.). Soft lavender, tinted with mauve in standard.

Lord Nelson, or Brilliant Blue. A darker strain of "Navy Blue." Very dark.

Lovely. White ground, blotch of deep pink at base shading to lighter pink and flesh.

Miss Willmott. Bright orange-pink, showing veins of a deeper tint.

Mrs. Walter Wright. Rosy purple, self colored; large shell-shaped.

Prima Donna. The most popular clear pink hooded.

Prince of Wales. Clear rose-crimson, self color; large and shell-shaped.

St. George. A brilliant orange-pink, or, more correctly, flame color.

Early Flowering Grandiflora Sweet Peas

The price of all of the following is: Pkt. 10c; per oz. 25c.

Earliest of all, or Extra Early Blanche Ferry. Rose, white wings.

Mont Blanc. The best forcing white.

Mrs. Chas. H. Totty. Early lavender and shell-shaped.

Mrs. F. J. Dolansky. Best early; pure light pink.

MORSE'S SUPERB SPENCER MIXTURE OF SWEET PEAS

This mixture is made up from our carefully prepared formula. It contains practically all the true Spencer varieties introduced to date. Great attention is given to secure a beautiful light mixture and yet include all shades nicely balanced and proportioned.

To make a better mixture of Sweet Peas than Morse's "Superb" would be impossible. Per pkt. 10c; oz. 30c; ¼ lb. 85c; 1 lb. \$3.00.

BEST LARGE FLOWERING MIXTURE OF GRANDIFLORAS

This is the best possible mixture that can be made from existing Grandiflora or Eckford varieties. It has been our endeavor to secure, not only by well-studied and carefully arranged formula, but by test from time to time, the best balanced mixture of color and those in search of a good mixture at a low price. Per pkt. 8c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.50.

Morse's Dahlias

Morse's 100-NEWEST AND BEST VARIETIES-Morse's 100

We only list 100 varieties in our catalogue. These we are sure are 100 of the best Dahlias procurable. Each season we produce and import new varieties to keep our list up to the standard.

Four years in succession our Dahlias have won the California Dahlia Society's special award Silver Cup, at San Francisco; and have won the Gold Medal and Diploma of Honor at the Sociedad de Mejoras, Publicas de Bucaramanga, Colombia, S. A.

PLANTING DIRECTIONS.—To successfully grow Dahlias, they should not be planted before the 15th day of April. Tubers should be planted in a slanting position, with the eye or sprout about four inches below the surface and about three feet apart. Apply a mulch of good stable manure and keep the soil well cultivated. Kindly notify us as soon as possible of any error.

Soon as buds appear, fertilize with Morse's Dahlia Fertilizer, and water freely. This will produce fine long stems and good flowers. While we use every possible care in selecting our stock, we will not be responsible otherwise than where the plant is not true to label, and then only to the value of original bulb.

If the purchaser does not accept the goods on these terms, they are at once to be returned.

MORSE'S DAHLIA COLLECTIONS

MORSE'S HOME GARDEN DAHLIA COLLECTION

Containing twelve select varieties for the amateur gardener; our own selection. Price \$4.00, postpaid to Third Zone.

MORSE'S SPECIAL DAHLIA COLLECTION

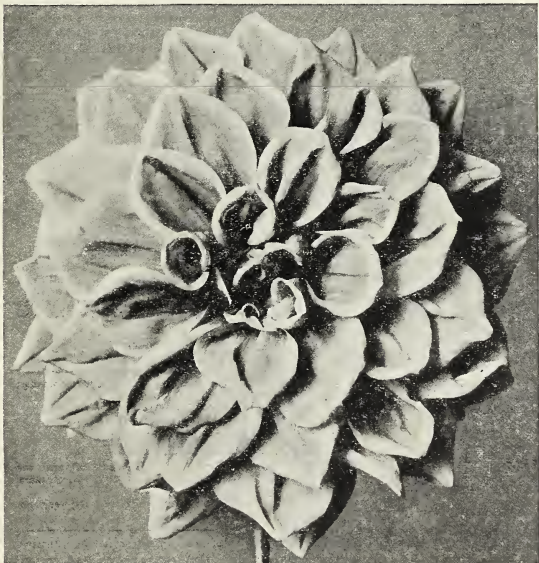
Containing the best twelve dahlias ever offered for the price. Our own selection. Price \$5.00, postpaid to Third Zone.

MORSE'S EXTRAORDINARY DAHLIA COLLECTION.

Containing seven of our one dollar varieties.

Price \$5.50, postpaid to Third Zone.

We also offer the one hundred bulbs as listed in this catalogue under Morse's 100 Best for \$70.00, express prepaid to Third Zone.



ESTHER LYNN

Variety, Hybrid Show; yellow suffused orange, occasionally tipped pink. Has a wonderfully good stem, and a splendid keeper as a cut flower. This Dahlia was awarded 91 points for exhibition and 83 commercial this season at the American Dahlia Society trial grounds, Agricultural College, Storrs, Conn., and winner of the A. D. S. Certificate of Merit—1919. Limited stock. \$3.50 each.

CACTUS DAHLIAS

True fluted type, floral rays, long and narrow incurve or twisted, with sharp divided or fluted points.

Price, Each

ALABASTER —Fine incurved white cactus. Perfect form; fine for exhibition.....	1.00
BRITISHER —One of the very best red Cactus dahlias in cultivation. This dahlia was awarded GOLD MEDAL AND DIPLOMA OF HONOR AT BUCARAMANGA, COLOMBIA, S. A., 1919. Morse's stock.....	.75
DR. ROY APPLETON —Pink, yellow center; very pretty; good keeper.....	.35
EDITH CARTER —Yellow, shading carmine.....	.35
EMPRESS —Tyrian rose; very striking flower, especially in artificial light.....	.35
FREDERICK WENHAM —Fawn pink.....	.35
F. W. FELLOWS —Brilliant orange; should be in every garden; finest of dahlias.....	.50
HERBERT RABY —Crimson, large incurved variety.....	.50
HILDA SHOEBRIDGE —Beautiful salmon pink; fine for cut flowers; good keeper.....	.35
HOWER —Dark Maroon; best dark cactus.....	.50
IVORY —Incurved white cactus. One of the best white dahlias.....	.75
JUPITER —Yellow splashed crimson, incurved.....	.35
KINGFISHER —Lilac; very pleasing, attractive flower.....	.35
MARY PURRIER —Beautiful red; very desirable flower.....	.50
MISS STREDWICK —Pink; very large flowers.....	.35
MRS. DOUGLAS FLEMING —Large incurved white; florets narrow and numerous.....	.35
OLYMPIC —Cardinal; very large flower.....	.35
PIERROT —Deep amber, white tipped; very striking.....	.50
SOVEREIGNTY —Deep yellow; very large flower, long stems.....	.50
VICAR OF WASPINGTON —Light pink shaded to dark; very large flowers with spider-like petals.....	.75

HYBRID CACTUS

This collection of Hybrid Cactus cannot be recommended too highly.

BELOIT —Garnet with crimson suffusion; very large.....	.35
GEORGE WALTERS —Color, salmon and shrimp pink shades; very large flowering variety, and good stems.....	.75
HELEN DURNBROUGH —New. A beautiful, delicate blush, deepening to a soft rose tint.....	2.00
KALIFF —A truly majestic flower. Often measuring ten inches in diameter. Pure glowing scarlet.....	.50
MATADOR —Lovely shade of old rose. Splendid flower.....	.75

HYBRID CACTUS Continued

LA FAVORITA —Beautiful brilliant salmon, shading in center dark reddish salmon to salmon pink at twisted petals. Perfect hybrid cactus; a first-class cut flower variety.....	2.50
MRS. EDNA SPENCER —New, exquisite shade of Orchid pink; lasting cut flower.....	1.50
MRS. ESTES —Largest and finest white in cultivation.....	2.00
MRS. RICHARD LOHRMAN —Rich golden yellow; a wonderful flower.....	1.00
RUTH C. GLEADEL —Large yellow, shading to orange and pink. Absolutely different from any other dahlia we know of. This dahlia from Morse's stock has also awarded GOLD MEDAL AND DIPLOMA OF HONOR AT BUCARAMANGA, COLOMBIA, S. A., 1919.....	1.00
SAN FRANCISCO —Reddish bronze; as good as the name.....	.75
SULPHUREA —Sulphur yellow; very lovely flower.....	.50
TOM LUNDY —Garnet; one of the very best Hybrid Cactus.....	.75
YELLOW KING —Chrome yellow; very fine flower.....	.50

DECORATIVE

Large double flowers, full to center, with broad, flat, loosely arranged floral rays, with broad points or rounded tips.	
AMPHION —Color, lavender; very large flower.....	\$.50
DELICE —True stock. Best florist pink in cultivation.....	.35
DR. TEVIS —Soft salmon rose, suffused with old gold, which deepens to apricot toward center.....	1.50
FATTY ARBUCKLE —Produced by Mr. Warren. Is one of the best fancy decorative dahlias we have. Very large flower, full to center. Color, cream suffused rose.....	2.00
FLO. HYLAND —Beautiful lavender pink; a lasting cut flower, and perfect exhibition flower.....	.75
FUTURITY —Old rose, one of the finest dahlias we know of.....	.75
GOLDEN GIRL —Yellow and brown; beautiful shading.....	.50
HARRY DAVIDSON —Mulberry and gold-tipped.....	1.00
HORT. FIET —Salmon pink; a most wonderful flower.....	.50
IMMENSE —White and deep rose; very attractive.....	1.50
JANE SELBY —Large mauve pink.....	.75
JOFFE —Bell-like pink shaded to white.....	.75
LE GRAND MANITOU —White striped and splashed maroon.....	.35
MINNIE BURGLE —Best florist red; good keeper when cut.....	.35
MONS LE NORMAND —Bright yellow striped and speckled red, often tipped white.....	.50
MRS. E. C. BOSTON —Best white decorative.....	1.00
MRS. MARY HOLMES —Large clear yellow; does not fade; one of the best.....	1.50
ORANGE KING —True orange; a large flower.....	.75
PRIDE OF CALIFORNIA —Large crimson red. Fine cut flower.....	1.50
PRINCESS PAT —Very large dahlia; beautiful old rose color, long stems; growing habit perfect.....	2.50
QUEEN MARY —Pink and white, profuse flowering habit.....	.35
SAN MATEO —Largest bi-color yellow and red.....	2.00
SEABRIGHT —Apricot buff, long stem, good keeper.....	.35
SCOTTISH CHIEF —New and unusual shade of golden cocoa, sometimes tipped with pink and white.....	1.00
THE BILLIONAIRE —Beautiful golden orange; one of the most striking dahlias ever grown. Don't fail to have this wonderful flower in your garden.....	2.00
THE MILLIONAIRE —One of the best lavender flowers yet known. Very free bloomer; highly recommended.....	2.00
THEODORE VAIL —Old gold, shading to apricot.....	2.00
W. D'ARCY RYAN —Purple with white tips.....	1.00

PAEONY

Semi-double flowers with open center, the inner rays being usually curled or twisted, the other petals being either flat or more or less irregular.	
ATTRACTION —Large, elegant flower of clear rosy lilac. Long stem.....	\$.75
AUNT JANE —Mauve pink; very large; perfect dahlia.....	.50
AUNT ELIZA —Immense dark red, new; one of the best.....	1.00
BERTHA BERNSTEIN —Fine large lavender.....	.35
BERTHA VON SUTTNER —Pink and yellow; very fine.....	.35
COPPER —Immense flower with very unique coloring. Copper shaded and tinted with bronze and apricot, with suggestion of salmon-pink. Petals ruffy and twisted.....	.75
CREAM KING —Wonderful good stem, Good stem.....	.50
ELLA HAMMARBERG —Large flower of exceptional beauty; color, a combination of copper and peach.....	.75

ELSA —Beautiful pure white, large flower, good stem.....	.50
GEISHA —The pride of paeony-flowered dahlias. Combination of brilliant scarlet and gold; wonderfully good as a cut flower.....	.50
GOLIATH —Apricot pink; lovely new dahlia.....	.75
GREAT BRITAIN —Color, mauve; very large flower, and wonderful keeper.....	.50
H. J. LOVINO —Flowers large, on exceptionally long stems. White, daintily blending to lilac.....	.35
JEANNE CHARMET —Lavender pink; fine cut flower.....	.35
KING OF THE AUTUMN —Buff yellow, suffused terra cotta.....	.50
LIBERTY —Very fine scarlet.....	.75
MEYERSEER —Pis, lined crimson, very large.....	.75
MIGNON —Lavender and pink; lovely dahlia.....	.35
MILDRED C. TAAFFE —A very striking variety. Plant is strong and sturdy, producing large number of blooms, with good stems. Flowers are an exquisite shade of copper blending to bronze. Exceptionally striking under artificial light.....	2.00
MRS. JAMES RUTLI JR. —Immense yellow with faint suffusion of red on outer petals.....	.50
MME. VARD —Brilliant red and yellow; very attractive.....	.50
MRS. JACK GREEN —Brilliant red; very large.....	.50
MRS. JESSIE SEAL —One of the best of California productions. Very attractive pink, and a wonderful good keeper. Should be in every collection of dahlias.....	1.00
OLD GOLD —Golden Amber; large flower. Imported.....	1.50
PIERRE LE BLONDE —Dark red with white tips. The best fancy dahlia.....	.50
TAN SPIDER —Color tan; very irregular and odd, but handsome flower.....	.35

SHOW DAHLIAS

Double flowers, globular or ball-shaped, full to center, showing regular spiral arrangement of floral rays, more or less quilled or with markedly involute margins and rounded tips.	
BERTHA BERNSTEIN —Fine large lavender.....	\$.35
BESSIE BOSTON —Large red; one of the best.....	.35
BETTY BIRD —The huge pink snowball dahlia, which received the gold medal at Palace Hotel show, 1918. Lovely glowing shade of pink; one of the most attractive dahlias ever seen. Perfect exhibition hybrid show, and a cut flower of unusual quality. We cannot recommend this dahlia too highly. Limited stock.....	5.00
CLARA SEATON —Hybrid show, rich apricot bronze; very large flower.....	.50
COLONIST —Fawn; very odd, soft color; perfect show type.....	.50
ESTHER LYNN —See photo and description on other page.....	
GENERAL MILES —Lilac with red stripes. Very fine flower.....	.50
GOLD MEDAL —Yellow and red; beautiful flower.....	.35
JAMES COCKER —Fine purple show.....	.35
JOHN WALKER —Pure white show.....	.35
MRS. BOTTOMLEY —Color rosy peach; a perfect flower for exhibition.....	.50
ROSE —A deep rose; one of the best.....	.35

COLLARETTE DAHLIAS

The Collarette dahlia is in a class by itself, having a single row of petals like the single dahlia, and in addition has a collar of smaller petals around the center of the flower usually of a different color. Our Collarette dahlias are offered this year by the dozen. We have a fine collection of named varieties and can supply them in all different colors.

Price \$3.50 per dozen, postpaid.

SINGLE AND STAR DAHLIAS

Open center dahlias in a variety of colors. Very free blooming; fine for bouquets, baskets, etc.

We have a fine collection of named varieties.

Price \$2.50 per dozen, postpaid.

POMPON DAHLIAS

The Pompon dahlias are the finest for cut flowers. Blooms are small, compact, and full to center. Produced on long, wiry stems. All named varieties.

Our display at the recent dahlia show was admired by everyone.

Price \$2.50 per dozen, postpaid.

Any varieties not listed in this catalogue, that you require, please let us know before purchasing elsewhere, and we will procure them for you.

C. C. MORSE & CO.

SPECIAL STOCK OF BEDDING CHRYSANTHEMUM PLANTS

EXHIBITION LARGE FLOWER VARIETIES

20 cents each, \$2.25 per dozen

SINGLE AND DOUBLE AND POMPONS

8 to 8 inches, \$1.25 per dozen. \$8.00 per 100



Nursery Department

All orders for the following nursery stock will be filled and shipped by
THE VALLANCE NURSERY
 81 Glen Avenue, Oakland, California

The very extensive seed business of our firm and its constantly increasing development, necessitates our giving Seeds our undivided attention. The Nursery has therefore been separated from the other departments and sold to "The Vallance Nursery," who will use and operate our Nursery and Sales Yards at 81 Glen Avenue, Oakland, Cal.

We still solicit business for plants and trees, and under a contract arrangement "The Vallance Nursery" will fill and ship all orders for same.

Cash must accompany all orders and should be sent simply to C. C. Morse & Co., San Francisco, Cal.

GREENHOUSES and SALESYARD are situated on GLEN AVENUE, off Piedmont Avenue, OAKLAND, CALIF. Visitors from San Francisco can reach there by taking the new Key Route Ferry (foot of Market Street) to PIEDMONT STATION; those from Oakland, by taking the Piedmont Avenue cars on Broadway to Glen Avenue. NURSERY TELEPHONE, PIEDMONT 30.

ORDERS. Please remember that when busy season commences the Nursery is rushed with orders. It may be a few days before orders can receive attention. Rest assured that there will be no unnecessary delay in shipping.

Prices quoted herein are f. o. b. cars, Nurseries, and cancel all previous quotations.

CLAIMS. Should any errors occur we desire to be informed upon receipt of goods, in order that we may rectify them without delay. All claims must be filed within 10 days after the arrival of the shipments.

C. C. MORSE & Co. give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants or trees they send out, and will be in no way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

PACKING. Sufficient money should be added to remittance to cover cost of boxing, etc. Say 10 per cent of purchase. SUBSTITUTION. 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.

GUARANTEE. We do not guarantee stock to live, nor will we replace free of cost that which dies or fails to grow. We do guarantee, however, that all Nursery stock will be in good, live and healthy condition upon departure from the Nursery.

NURSERY STOCK can go by parcel post, if customer lives too far from express office. If desired by post, please add postage.

ROSES OF GREAT MERIT

The plants that we offer are all two-year-old strong field grown and will bloom the first spring.

AUTUMN TINTS

Coppery red, shaded orange and salmon, of very great excellence. \$1.00 each.

BEAUTE DE LYON

Color coral-red, shaded with yellow, a most unique shade; flower large, full and globular. 60c each.

BILLARD ET BARRE

Clear canary yellow; buds and flowers large cupped shaped. This is an unique shade, and is of great merit. 60c each.

BRITISH QUEEN

Pure white; buds beautifully formed; with pointed center and reflexed outer petals. A lovely rose. 60c each.

C. W. COWAN

The color is warm carmine cerise; the blooms large, full, imbricated in form and very freely and continuously produced. Delicious tea rose perfume. 50c each.

CLIMBING RICHMOND

Rich velvety scarlet, buds long and pointed; a very strong grower. 60c each.

DUCHESS OF WELLINGTON

Intense saffron yellow; a very beautiful color; buds long and pointed; exceedingly free in bloom. 60c each.

DUCHESS OF SUTHERLAND

The color is delicate, warm rose pink with lemon shading. 50c each.

DUCHESS OF WESTMINSTER

Clear rose-pink, very large and full, sweetly perfumed, highly commendable. 60c each.

GEORGE DICKSON

The color is velvety black scarlet-crimson, with brilliant scarlet reflexed tips, with heavy and uniquely pure crimson-maroon veining on the reverse. 50c each.

GEORGE ARENDTSS

Delicate pink; large flowers; a beautiful rose, which we can recommend highly. 50c each.

GEORGE C. WAUD

Very deep solid pink. Of good substance, free in bloom; plant very vigorous. 50c each.

GRACE MOLYNEUX

A beautiful shade of creamy apricot; very charming. 60c each.

HOOSIER BEAUTY

Glowing crimson scarlet with darker shadings; texture like velvet; deliciously fragrant. The buds are long and pointed, borne on long stiff stems. 75c each.

IRISH FIREFLAME

Old gold; flushed crimson; buds long and pointed; foliage rich and glossy; plant strong grower. A very charming rose. 60c each.

IONA HERDMAN

This grand new hybrid-tea variety is pronounced to be the most wonderful color yet produced among roses; it is clear orange-flame, the flowers are carried on good long stems, and is beautiful in bud, and when full bloom it is a continuous bloomer; the growth of plant is also ideal; the foliage is bright glossy green. \$1.00 each.

JOSEPH HILL

Pink, shaded salmon, outside of petals coppery-pink; a most superb shade; flowers large and double. One of the best recent introductions. 60c each.

JULIET

Outside of petals old gold, center rich, rosy red, changing to deep rose as the flowers expand. 60c each.

LADY HILLINGDON

Blooms continuously, buds very long with a most pleasing shade of orange yellow. Particularly fine in the bud state. (T.) 50c each.

LOUISE CATHERINE BRESLAU

A very vigorous grower of robust habit, with fine glossy green foliage; the color is unique and beautiful, of coral tint, shaded with chrome-yellow, a most wonderful combination. 75c each.

LOS ANGELES

The originator (Fred S. Howard) describes Los Angeles as "a flame pink, toned with coral and shaded with translucent gold at the base of the petals." \$1.00 each.

LIEUTENANT CHAURE

Velvety crimson-red; large, a grand bloomer; an excellent sort. 50c each.

LYON ROSE

One of the judges who awarded the gold medal to this rose says: "I have no hesitation in recommending it as the most wonderful color yet obtained among roses. This may be best compared to the intense flame color seen in a glowing coke furnace. 50c each.

MADAME CHARLES LUTAUD

Large, full and globular flower, fine long bud of a nice ochre yellow, carmine tinted, carried on long flower stalks. The progeny of an unnamed variety crossed with Marquise de Sinety. 60c each.

MADAME MELANIE SOUPERT

Salmon yellow, suffused carmine; buds long and pointed; when open the flowers resemble a semi-double peony. 60c each.

MADAME HERRIOT

"Daily Mail Rose"

Coral red, shaded yellow at base, passing to shrimp red; a very beautiful combination of colors. 60c each.

MADAME LEON PAIN

Silvery pink, shaded salmon; buds pointed; flowers large and cupped. 50c each.

MRS. A. R. WADDELL

Orange pink or reddish salmon. Outer petals flesh colored; a beautiful combination of coloring. Very free blooming. 50c each.

MRS. AARON WARD

Deep rich Indian yellow, occasionally tinted with salmon. A constant bloomer, with buds and open bloom of most refined form. 50c each.

MRS. CHAS. RUSSELL

Rosy carmine, with scarlet center; very brilliant and pleasing; form of flower excellent; fragrance delicious; splendid keeper and very free bloomer. 60c each.

MRS. CYNTHIA FORD

A most charming shade of pink; a variety that should be in all collections. 60c each.

MRS. WEMYSS QUINN

Intense lemon-crome, suffused orange, which gives it a rare depth of color, which never fades out; flowers and buds ideal; long bloomer; habit of growth perfect. 75c each.

MARQUIS DE SINETY

Yellow flushed orange, buds pointed; open flowers cupped; fragrance rich and pronounced; a very beautiful sort. 60c each.



Los Angeles.

MRS. F. W. VANDERBILT

Deep orange-red, shaded bronzy apricot; a very lovely shade. 60c each.

OPHELIA

Salmon flesh, shaded rose, center of flower showing pronounced coloring of chamolais; buds long and pointed; very free in bloom. 60c each.

PINK DRUSCHKI

A sport from the favorite white rose, Druschki. This variety produces its flowers in great profusion, for a long period. Silvery pink. A fine acquisition. Very strong in growth. 60c each.

QUEEN MARY

Creamy ground, pencilled and flushed carmine, with an underlying shade of yellow; a wonderful combination of colors; it is extremely free in bloom; of dwarfish habit, thus making it a fine sort for bedding purposes. 50c each.

RAYON D'OR

Yellow cadum as the bloom begins to open, toning to sun-lever yellow when fully expanded. Fine bronze-green foliage, glossy and immune from attacks of mildew. (M. T.) 60c each.

SILVER MOON

A grand new climbing rose of very strong, rampant growth; foliage very glossy; beautiful creamy white flowers, in clusters. 60c each.

SUNBURST

Flowers large, fairly full and of nice elongated cupped form; the coloring is a superb cadium yellow-orange center. 50c each.

TIP TOP or BABY DOLL

This charming Polyantha variety will certainly be appreciated; color, which is yellow, flushed and tipped with carmine, must appeal very strongly to all rose lovers; it produces its flowers in clusters, and in wonderful profusion for a long period. 60c each.

WILLOWMERE

Rich shrimp-pink, shaded at center with yellow, edged rosy carmine; a very lovely variety. 60c each.

ROSES, FINE ASSORTMENT

50c each; \$5.00 per dozen. Postage extra.

AMERICAN BEAUTY—Large, globular, deep pink, shaded carmine, delicious odor.

ARTHUR R. GODWIN—Apricot flushed salmon, fading to shrimp pink; a very lovely sort.

BETTY—Ruddy gold, overspread golden yellow.

BARDOU JOE—Intense velvety red, single, yellow anthers; good climber.

BEAUTY OF GLAZENWOOD—A combination of copper, carmine and salmon-yellow; a strong, fast climber.

BELLE SIEBRECHT—Superb pink; buds are long and pointed.

BRIDE—An everblooming pure white; buds pointed and the ends of the petals slightly recurved.

BRIDESMAID—Pink; buds and flowers very double.

CAPTAIN CHRISTY—Delicate flesh color, rosy center.

CAROLINE TESTOUT—Bright, clear, delicate pink.

CECILE BRUNER—A charming "Baby" variety; color salmon-pink, with deep salmon center.

CHEROKEE (Single)—One of the finest pillar roses in cultivation; large, clear white, single flowers.

CLIMBING BRIDESMAID—A rich shade of velvety pink; buds exquisite; stems long and stiff.

CLIMBING CAROLINE TESTOUT—An exact counterpart in color and shape of that old favorite, Caroline Testout.

CLIMBING CECILE BRUNER—Same as that of the bush form in all respects.

CLIMBING HERMOSA—Velvety scarlet and continually in bloom.

CLIMBING VICTORIA—Buds long and pointed; pure white.

CLIMBING LA FRANCE—Deep pink.

CLIMBING PAPA GONTIER—Buds are long and pointed and of deep-red color; a free and continuous bloomer.

CLIMBING PERLE DES JARDINS—Flowers are produced in profusion and are deep canary-yellow.

CLIMBING AMERICAN BEAUTY—A grand climber, producing its cherry-red flowers in the greatest profusion.

CLIMBING BELLE SIEBRECHT—A climbing sort of the old favorite bush variety; buds long and pointed; beautiful shade of pink.

CLIMBING WHITE COCHET—The "Cochets" are famous for their wonderful wealth of bloom; we are pleased to have a climbing variety to offer.

GLOTH OF GOLD—Sulphur-yellow; good climber.

CHATEAU DE CLOS VOUGEOT—Velvety scarlet shading to bright red and dark velvety crimson; sweetly perfumed.

COUNTESS OF GOSFORD—Lovely shade of pink; flowers produced very freely.

DOROTHY PERKINS—Flowers borne in large clusters; clear shell pink; a vigorous climber.

DEAN HOLE—Silvery carmine; very large.

DOROTHY PAGE ROBERTS—Coppery pink; suffused apricot; beautiful combination.

EXCELSA—Bright scarlet; produced in clusters.

EMPEROR OF MOROCCO—An intensely dark rose, of velvety hue.

EDWARD MAWLEY—Deep rich crimson; very long bud.



General McArthur.

F. K. DRUSCHKI (White American Beauty)—Pure snow-white; very long buds; shell-shaped petals.

FLORENCE PEMBERTON—Creamy white shaded rose, petals bordered rose salmon; flowers large.

GENERAL McARTHUR—Dazzling crimson scarlet; buds of ideal shape and exquisite perfume; foliage beautiful; a strong, thrifty grower.

GLOIRE DE CHEDANE QUINOISEAU—Bright vermilion red; shaded velvety crimson.

GENERAL JACQUEMINOT—Rich, velvety crimson, changing to scarlet crimson.

GLOIRE DE DIJON—A combination of rose, salmon and yellow; flowers very large and full; a good climber.

GLOIRE DE MARGOTTIN—Brilliant shade of red; a free and continuous bloomer; a splendid pillar rose.

GEORGE REIMERS—Deep, rich red, exceedingly free; excellent.

HARRY KIRK—Deep sulphur-yellow, changing to a lighter shade of yellow at the edges of the petals. Very fine.

HONORABLE INA BINGHAM—A matchless pink of most charming tone, beautifully veined; the flowers are semi-double; petals very large.

HUGH DICKSON—A brilliant velvety crimson shaded scarlet; bud long and pointed.

IRISH ELEGANCE—Apricot, shaded coppery-bronze at base of petals; flowers single.

K. A. VICTORIA—Full flowers; magnificent in bud; stems long; pure white.

KATE MOULTON—It is a beautiful clear pink; the edges (which are prettily recurved) are tipped white.

LA FRANCE—Delicate silvery rose, shaded with corise pink, often silvery pink, with peach shading.

LA FRANCE OF '89—Scarlet; long pointed buds; very fragrant.

LADY BATTERSEA (Red Niphotea)—Beautiful cherry-crimson; buds long and pointed.

ROSES, FINE ASSORTMENT—Continued

- LADY GREENALL**—Intense saffron orange, heavily zoned and overspread on deep creamy-white.
- LA MARQUE**—Pure white buds, open flowers tinged light canary-yellow; large and full; a grand climber.
- LIBERTY**—Vivid scarlet, sweetly perfumed.
- MADAME HOSTE**—Canary-yellow; fine in bloom.
- MADAME A. CHATENAY**—Rosy carmine, tinted carmine.
- MELODY**—The blooms are carried on erect stems and are of good size; the buds are of beautiful formation, long pointed; color, pure deep canary yellow.
- MINNEHAHA**—Red, white eye; flowers in clusters in great profusion.
- MILDRED GRANT**—Petals shaded and bordered pink; of enormous size.
- MRS. MYLES KENNEDY**—Delicate silvery white shaded buff, while the center is pink.
- MRS. THEO. ROOSEVELT**—Flesh pink, outer petals creamy white.
- MRS. W. CHRISTIE MILLER**—Rosy carmine; outer petals pearly bluish; buds and flowers very large.
- MAMAN COCHET PINK**—Deep pink; buds long and pointed, of great substance; a continuous bloomer.
- MAMAN COCHET WHITE**—Buds faintly suffused with pink on outside petals; foliage glossy.
- MAMAN COCHET YELLOW**—Like the other "Cochets," very large and continuously in blossom.
- MARECHAL NIEL**—Beautiful deep yellow and of globular form. A good pillar rose.
- MOSS ROSES**—Red, White, Pink.
- PAPA GONTIER**—Bright cherry red, passing to rich glowing crimson; petals shaded with yellow.
- PAUL NEYRON**—Clear pink; one of the largest roses grown.
- PERLE D'OR**—Saffron yellow; very beautiful.
- PERLE DES JARDINS**—Fine straw yellow; sometimes deep canary yellow; very large and full.
- PRINCE GAMBLE DE ROHAN**—Rich, dark, velvety crimson, changing to scarlet maroon; full and double.
- RAINBOW**—Deep coral pink, beautifully striped and mottled with intense glowing crimson.
- REVE D'OR (Olimbing Safrano)**—Deep yellow, sometimes copper-yellow or rosy buff.
- RICHMOND**—Scarlet; very vivid shade; flowers very freely and for a long period.
- RHEA REID**—Crimson-scarlet; very free in bloom; excellent.
- RARONA (Red Cherokee)**—Flowers single; foliage leathery; a strong climber.
- SINGLE PINK CHEROKEE**—In all respects similar to the beautiful White Cherokee, but pink in color.
- THOUSAND FLOWERS**—This palyanthous rose is a most charming variety; its delicately colored pink flowers are most attractive; makes an excellent porch or pillar plant.
- SOUV. DE PRES. CARNOT**—Flesh color; very free in bloom.
- SUNSET**—Color, rich saffron and orange.
- ULRIKH BRUNER**—Bright, clear red; a profuse bloomer and hardy grower.
- WILLIAM ALLEN RICHARDSON**—Fine orange yellow, apricot center; a beautiful climber.

STANDARD ROSES

We can supply the following roses in standard or tree form; that is, they are budded on single stems, four to four and one-half feet from the ground. \$1.75 each, except where noted.

- | | |
|-------------------------|----------------------------------|
| F. K. DRUSCHKI | LOS ANGELES. \$2.00 each. |
| GEORGE ARENDTS | MAD; O. TESTOUT |
| GENERAL McARTHUR | MAD; HOSTE |
| HOOSIER BEAUTY | PINK COCHET |
| HENRY MUNGH | PAPA GONTIER |
| K. A. VICTORIA | RAINBOW |
| KING CHARLES | ULRIKH BRUNER |
| | WHITE COCHET |

If we can substitute please let us know; this is especially necessary, when orders come late in the season.

SOME RARE PERENNIALS

Perennials are very desirable. They produce an abundance of flowers, are of easy culture and are good for many years.

- We offer the following. All pot-grown plants.
- ACHILLEA PTARMICA.** "The Pearl" grows about 2 feet high; flowers double white; blooms for long period; fine for cutting. 25c each; \$2.50 per 12.
- ABRONIA UMBELLATA.** Sand Verbena. Of trailing habit, with numerous clusters of sweet-scented rosy-lilac flowers; good for dry sections and rockeries. 25c each; \$2.50 per 12.
- ASTER GOLIATH.** Michaelmas Daisy. Grows 2 to 5 feet tall; flowers beautiful lilac, with golden disk. 25c each; \$2.50 per 12.
- AGROSTEMMA CORONARIA.** Rose of Heaven. Produces bright-colored flowers on long, slender stems, like a single pink; fine for cutting. 25c each; \$2.50 per 12.
- ANTEHMIS KELWAYI.** Produces daisy-like golden yellow flowers, with finely cut foliage; very useful for cutting. 25c each; \$2.50 per 12.
- AQUILEGIA.** Columbine. These well-known perennials should be in every collection; the great profusion of bloom and the exquisite blossoms are certainly very beautiful. We have a strain of the very best colors to offer. 30c each; \$3.00 per 12.
- CAMPANULA.** These produce attractive bell-shaped flowers, and are indeed very attractive perennials; we offer the following varieties:
- Carpatia.** Carpathian Hare Bell. Dwarf-growing sort, produces blue flowers; fine for rockeries, bedding and edging.
- Persicifolia.** Produces long spikes, of double white flowers; grows to a height of 2 to 3 feet.
- Pyramidalis.** Chimney Bellflower. This sort produces spikes of flowers 6 feet long. We can supply them in the following colors: WHITE, LIGHT BLUE and DARK BLUE. Price of all of the above sorts, 25c each; \$2.50 per 12.
- CHEIRANTHUS ALLIIONII.** Grows from 9 to 12 inches tall, producing flowers of the most brilliant orange-yellow throughout the spring and summer. 25c each; \$2.50 per 12.
- CHELONE BARBATA.** Shell Flower. Splendid perennial, of penstemon-like habit; bell-shaped flowers borne in great profusion all summer; colors ranging from light to dark pink and red. 25c each; \$2.50 per 12.
- DELPHINIUM BELLADONNA.** Larkspur. Shade of flowers beautiful turquoise-blue; spikes of very good size. 35c each; \$3.50 per 12.
- DELPHINIUM HYBRIDUM.** All shades of dark and light blue. 25c each; \$2.50 per 12.
- ERIGERON SPECIOSUS.** Midsummer Daisy. The single daisy-like flowers are mauve, with yellow center. 25c each; \$2.50 per 12.
- GALEGA OFFICINALIS.** Goat's Rue. Blue pea-shaped flowers, produced during summer and fall in great profusion; height 2 1/2 feet. 25c each; \$2.50 per 12.
- HEUCHERA SANGUINEA.** Coral Gem. Produces dainty, beautiful pink flowers, on a stem of about 1 1/2 feet high; always in bloom; fine for borders or massing in beds. 25c each; \$2.50 per 12.
- LINUM PERENNE (Scarlet Flax).** Grows about 1 1/2 feet high; of slender, graceful habit, with smooth stems and bright red flowers, borne in great profusion. 25c each; \$2.50 per 12.
- LYCHNIS CHALCEDONICA.** Grows about 3 feet, and bears bright scarlet flowers. 35c each; \$3.50 per 12.
- OENETHERA LAMARKIANA.** Evening Primrose. Flowers yellow, 3 and 4 inches in diameter; grows to a height of 3 feet. 35c each; \$3.50 per 12.
- PHYSALIS FRANCHETTI.** Chinese Lantern Plant. Grows 2 feet in height, with large pointed seed pods, which are yellow, changing to a brilliant scarlet in fall months. 35c each; \$3.50 per 12.
- PHYSOSTEGIA.** False Dragon Head. Produces spike-shaped flowers, about 2 feet in height. 25c each; \$2.50 per 12.
- PLATYCODON GRANDIFLORA.** Chinese Bellflower. Large blue or white flowers, on spikes one foot in height. 35c each; \$3.50 per 12.

If by mail postage will be extra.

CHRYSANTHEMUMS

LARGE FLOWERING VARIETIES

To obtain large flowers of this beautiful fall flower it is necessary that especial care and culture be given them. Young plants must be obtained; one shoot is allowed to grow and all side growth is kept nipped off, so that the strength be allowed to go into the main stem. The plant is kept growing in this manner, but should a flower bud appear on the end of the stalk before the date set (at the end of description of each variety) this also must be nipped away. For instance, we will take the "White Turner" as an example. The date is August 15th, but should a flower bud appear say about July 20th, this must not be allowed to grow, but taken away, and a new bud will follow which ought to be about the size of a pea by August 20th; then all attention must be given this bud, and the plant be kept liberally fed with manure and bone meal applications. If the bud which had formed, we will say July 20th, had been allowed to grow, the flower would have been much inferior to that bud "taken" at correct date, namely, August 15th. This will explain, we think, the meaning of the dates after each variety. Of course, judgment will have to be used; for instance, should a bud appear one week before date, then it would be as well to leave that one. The best planting time is during May.

Chrysanthemums should be protected with fleece-cloth a few weeks before blooming time. These few remarks may help the novice in the growing of this plant. To obtain large flowers, it requires a good deal of experience, and it may take quite a few trials before success is attained. The Pompon, flowered and Single varieties require no disbudding.

20c each; \$2.00 per dozen, of the following choice sorts. Not ready until latter part of April:

A. S. BALDWIN. Lemon yellow, incurved. (Aug. 15th.)
BRONZE BRIGHTHURST. Very good bronze, incurved. (Aug. 20th.)
BUFF GLOBE. Buff; very large incurved. (Aug. 15th.)
COLONEL APPLETON. Golden yellow, incurved. (Aug. 10th.)
CROCUS. Canary yellow, incurved; very large. (Aug. 10th.)
CHRYSOLORA. Light yellow, incurved. (Aug. 10th.)
CALUMET. Buff yellow, incurved. (Aug. 15th.)
CHARLES NONIN. Lavender.
EARL KITCHENER. Amaranth, silvery on reverse; very large. (Aug. 20th.)
ELBERON. Dark pink, incurved. (Aug. 15th.)

F. S. VALLIS. Canary yellow, reflexed, fine. (Aug. 15th.)
GLENVIEW. Dark bronze, incurved. (Aug. 10th.)
GOLDEN QUEEN. Glowing yellow; very large.
H. E. CONVERSE. Chestnut bronze, incurved. (Aug. 20th.)
JACK ROSE. Crushed strawberry, incurved; late bloomer. (Aug. 20th.)
KING OF CHRYSANTHEMUMS. Red, underneath bronze; very late. (Aug. 20th.)
MAJOR BONNAFFON. Deep yellow, incurved; grown extensively. (Sept. 10th.)
MAUD DEANE. Deep rose, shading to light pink; incurved; extra large.
MONROVIA. Early yellow, incurved. (Aug. 1st.)
MRS. HUNTER. Lilac; very large, late; incurved. (Aug. 8th.)
MRS. COOMBS. Rose; very early. (Aug. 1st.)
MRS. O. H. KAHN. Bronze gold, reflexed. (Aug. 10th.)
M. L. ROSSEAU. Pink, incurved; very large. (Aug. 30th.)
MRS. GEO. H. HEUME. Salmon bronze, incurved. (Aug. 10th.)
MRS. J. JONES. White, incurved. (Aug. 8th.)
MRS. H. ROBINSON. Glistening white, incurved. (Aug. 10th.)
MRS. GILBERT DRABBLE. Snow white, very large; incurved. (Aug. 20th.)
MRS. GEO. HUNT. Lemon and salmon, reflexed. (Aug. 10th.)
MRS. GIBSON. Light pink.
NEVIUS. Large white; very early. (Aug. 10th.)
NELLIE POCKETT. Large, white twisted petals; reflexed. (Aug. 1st.)
NERISSA. Lovely shade of rosy lavender.
PINK UNICA. Early pink. (Aug. 4th.)
PETITE MARCEL. Pink, incurved; narrow petals.
QUEEN. Ivory white, incurved. (Aug. 15th.)
REGINALD VALLIS. Plum color, reflexed. (Aug. 5th.)
TIMOTHY EATON. A very fine, large white, incurved. (Aug. 10th.)
WM. DUCKHAM. Deep pink, incurved. (Aug. 12th.)
WELLS LATE PINK. Very fine late pink. (Sept. 10th.)
WM. VERT. Crimson, incurved.
WM. MEESE. Bright rosy red, incurved. (Aug. 15th.)
WHITE CHIEFTAIN. Creamy white, large, reflexed.
WHITE TURNER. Very large, incurved. (Aug. 15th.)
WHITE BONNAFON. White, large, incurved. (Aug. 1st.)
W. A. READ. Good crimson, incurved.
YELLOW TURNER. A very fine, large, clear yellow, incurved. (Aug. 15th.)

SINGLE CHRYSANTHEMUMS

These sorts have proven themselves very satisfactory. They are of very easy culture, and bear their showy flowers in great profusion. Keeping qualities excellent.

DOROTHY DUGAN. White.
GAILLARDIA. Red and yellow.
RED SINGLE.
WM. BUCKINGHAM. Salmon pink.

POMPON CHRYSANTHEMUMS

These miniature chrysanthemums bear their flowers very freely.
CRAWFORDII. Orange-bronze.
FAIRY QUEEN. Pink.
LILIAN DOTY. Light pink.
RED CAP. Red and brown.



Group of Chrysanthemums

CANNAS

20c each. \$2.00 per dozen. Except where noted otherwise.
AUSTRIA. Deep yellow; flowers very large.
FIRE BIRD. Glowing blood-red. 25c each; \$2.50 per 12.
LOUISE. Velvety crimson; low growing.
KING HUMBERT. Deep scarlet; bronze foliage. 25c each; \$2.50 per 12.
LOUISIANA. Soft glowing scarlet; throat marked orange.
INDIANA. Deep orange-red; necked old gold; large flowers, tall growing; green foliage.
SHENANDOAH.—Deep rose pink; foliage deep bronze; height 3 to 4 feet.
WYOMING. Beautiful orange; very large; bronze foliage.

FUCHSIAS

3-inch pots, 15c each; \$1.50 per dozen. 4-inch pots, 35c each; \$3.00 per dozen.

ABBE FARGES. Extremely double. Sepals very much reflexed. Corolla reddish violet. Giant in size.
"BABY" FUCHSIA. Very small, graceful flowers.
BLACK PRINCE. Purple; double.
DIAMANT. A grand double variety. Sepals clear rose; corolla rose and white.
EMILE LAURENT. A very free blooming variety. Sepals clear rose; corolla rose and white; double.
GEROLSTEIN. Sepals white; corolla bluish pink; single; tall grower.
PHENOMENAL. Large double purple.
PROCUMBENS. Small foliage; of creeping habit.
RICORTIANA. Very small flowers; a miniature variety.
STORM KING. Double white.
SPECIOSA. Salmon.
SWANLEY. Yellow.
TORTILLEUR. Sepals intense red; giant double corolla. Color flesh, shaded rose. Extra fine; double.

GERANIUMS

Price of plants from 3-inch pots, 15c each; \$1.50 per dozen.
BELLE POITEVINE. Large handsome trusses of salmon-colored flowers.
JEAN VIAUD. Soft, pure pink, with two white blotches; dwarf-stocky grower, rigid stems, large trusses, perfect forets; semi-double.
CERISE. Rose, suffused orange; large, of perfect shape and very free in bloom; single.
GERTRUDE PEARSON. Rosy pink, white eye; one of the best; single.
JOHN FORBES. A very fine single scarlet.
MRS. GLADSTONE. Very pale pink; single.
MRS. POLLOCK. "Horseshoe" Variety. Leaves beautifully marked; fine for borders.
NEWSOM. A beautiful single scarlet, shading to red; immense trusses and very free flowering.
S. A. NUTT. The very best of the double dark crimson scarlets.
THE CLYDE. An immense single scarlet; trusses very fine. Extra strong grower.
THE SWAN. A grand double white variety, constantly in bloom.

IVY LEAF GERANIUMS

Are indispensable for covering banks, fences, etc. They are almost continuously in bloom, and require very little water.
CHARLES TURNER. The color is a bright pink, quite double. Very useful for window boxes and rockeries.
CARLOS UHLEN. A magnificent new variety, quite double; color rosy scarlet; grand for window boxes and banks; always in bloom.

VIOLETS

MARIE LOUISE. The well-known double light purple variety. 50c per dozen.
PRINCESS OF WALES. Very large flowers, violet blue; single, sweetly scented; stems long; very free in bloom. 50c per dozen.



A well-laid-out place.

PELARGONIUMS

LADY WASHINGTON GERANIUM

Price 3-inch pots, 30c each; \$3.00 per 12. Ready March.

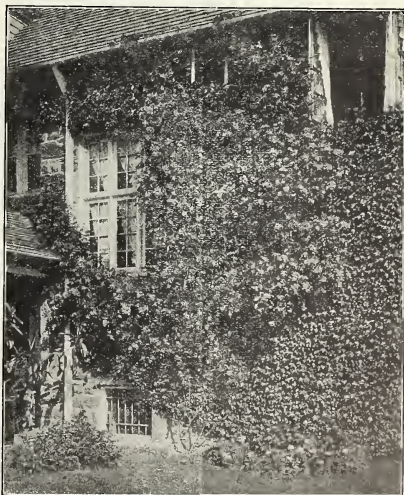
- O. HOLSMAN**—Scarlet, center light, black pencillings.
DUCHESS OF TECK—Semi-double white, very fine.
DUKE OF ALBANY—Deep rich crimson-maroon, margined rosy lake, light center surrounded with violet rose shading.
DUCHESS OF WESTMINSTER—Pink and white with crimson blotches.
F. H. HOWARD—Deep red, black blotches.
KATE BOURNEMAN—White overlaid salmon pink.
LORD CLYDE—White shaded to purple, crimson blotches.

- LONDON**—Orange-scarlet.
MADAME THIEBAUD—Blotched and marbled rose and white; upper petals marked crimson, large white center.
MISS SANDERS—Pure white, with the two upper petals blotched crimson.
MABEL—Upper petals brilliant maroon, under petals rosy pink, center white.
PETER MOSER—Fiery brick-red, with dark blotches on each petal; very fine.

CLIMBING AND TRAILING PLANTS

- AMPELOPSIS ENGELMANNI**. Shorter climbing than quinquefolia. Strong grower. 60 each.
AMPELOPSIS EVERGREEN. This variety clings like the Boston Ivy, but is an evergreen. 4-inch pots 50c; \$4.00 per 10.
AMPELOPSIS QUINQUEFOLIA (Virginia Creeper). The leaves are palmate, handsome and luxuriant, assuming in autumn a gorgeous bronzy hue. 55c each.
AMPELOPSIS VEITCHII (Boston or Japan Ivy). This variety clings closely without any assistance to a stone wall or brick flue, or a wooden surface. 60c each.
AUSTRALIAN PEA VINE. This lovely fast-growing climber we can recommend to those desiring a rapid grower. The flowers are pea-shaped, pink, and produced in great luxuriance. Pot grown, 25c and 35c each.
BOSTON IVY. See *Ampelopsis Veitchii*.
CLEMATIS JACKMANII. Deep purple violet. 80c each.
CLEMATIS HENRYII. Large single white. 80c each.
CLEMATIS PANCULATA. A Japanese climber, recently introduced into this country, of unusual and attractive merits; rapid grower. 60c each.
CORONILLA GLAUCA. This half-climbing shrub is very showy; its yellow pea-shaped flowers are produced very profusely. 4-inch pots 50c.
BOUGAINVILLEA BRAZILIENSIS. Have peculiarly shaped flowers, somewhat resembling the leaves in shape, the color being of a rosy lake, and produced along the branches in wonderful profusion. 75c and \$1.00 each.
BIGNONIA GRANDIFLORA (Trumpet Vine). Rapid-growing climber, bearing large orange-yellow trumpet-shaped flowers in great profusion. 75c each.
BIGNONIA CHERERE. A very fine variety; the flowers come in clusters, tube-shaped, blood red in color; rapid grower. 5-inch pots, 75c each.
BIGNONIA RADICANS. Vivid scarlet. 75c each.
HOP ROOTS. 10c each; 50c per 10.
FICUS REPENS. A very pretty, useful climber; clings to stone, brick or wood; like the Boston Ivy. Evergreen. 35c and 50c each.
HONEYSUCKLE, CHINESE. Rosy white; very sweetly scented. 25c and 35c each.
HONEYSUCKLE, HALLEANA. A strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow; very fragrant; a long and continuous bloomer. 25c and 35c each.
HONEYSUCKLE, ENGLISH WOODBINE. Very sweetly scented. 4-inch pots, 35c each.
HONEYSUCKLE. Gold netted. 25c and 35c each.
IVY, ENGLISH, LARGE-LEAVED. Leaves thick, shining, leathery. 5-inch pots, 35c each; \$3.00 per 10. 4-inch pots, 20c each; \$1.50 per 10.
JASMINE NUDIFLORUM. Fragrant yellow flowers in very early spring in great profusion. 35c each.
JASMINE OFFICINALIS. Single white flowers. 4-inch pots, 50c each.
JASMINE PRIMULINUM. Golden yellow; the blossoms are fully two inches in diameter, and in early spring-time the plant is one mass of blooms. 35c each.
JASMINE REVOLUTUM (Yellow-Flowered Jasmine). Produces fragrant yellow flowers. 5-inch pots, 35c each.
LOTUS PELLIOHYNCUS. A dainty plant of creeping habit; foliage glaucous, lace-like; flowers scarlet. 3-inch pots, 20c each; \$1.50 per 10. Large, 35c each.
MUEHLENBECKIA COMPLEXA (New Zealand Mattress Vine). This pretty, strong-growing climber and trailer is very desirable for covering old stumps of trees, rockwork, etc. 15c, 25c and 40c each.

- PASSION VINE**. Of rapid growth, and very attractive when covered with the large handsome flowers. Pink, 35c each. Scarlet, 35c each. Blue, 50c each.
PLUMBAGO CAPENSIS. Flowers light sky-blue, verbena-shaped. 60c each.
PLUMBAGO WHITE. 5-inch pots, 50c each.
PERIWINKLE (Vinca). 3-inch pots, 15c each; \$1.00 per 10.
SOLANUM JASMINOIDES GRANDIFLORA. A most beautiful climber. Its flowers are star-shaped, and borne in good-sized panicles or clusters. 4-inch pots, 35c each.
SOLLVA HETEROPHYLLA. Australian Bluebell. A rapid growing climber, producing beautiful blue flowers in clusters. 5-inch pots, 60c each.
SMILAX. 4-inch pots, 25c each; \$2.00 per 10.
SWAINSONIA PINK. Of graceful habit; flowers pea-shaped; very free in bloom. 6-inch pots, 75c each.
SWAINSONIA. White. 6-inch pots, 75c each.
THE WISTERIA
 Very hardy, growing in cold countries to perfection. We offer the following varieties. Strong plants. \$1.25 each.
CHINENSIS. Clusters about a foot long; flowers single, pale blue.
MAGNIFICA. Short panicles; lilac.
MULTIJUGA. Racemes long and slender; very dark blue; native of Japan.
MULTIJUGA ALBA. Bears long racemes of pure white flowers.



Climbing Rose and Boston Ivy

FLOWERING AND BEDDING PLANTS

ABUTILON Flowering Maple. 25c and 35c each.
ASTER, SEMPLE'S NEW BRANCHING. Crimson, lavender, pink and white. Ready about April 15th. 35c per 12.
AZARA MICROPHYLLA. Flowers yellow, small, glossy foliage. Balled, 4 to 5 feet, \$1.50 each.
BROOM ANDREANA. Brown and yellow flowers. 4-inch pots, 75c each.
BEGONIA VERNON. Dark pink, foliage bronzy in sun. 60c per 12; \$6.00 per 100.
BEGONIA SNOW QUEEN. This bedding sort produces its snow-white flowers in the greatest profusion. 10c each; 60c per 12.
BUDDLEA VARIABILIS. "Butterfly Plant." Flowers lilac, borne profusely in long spikes; very fragrant; continuous bloomer. 5-inch pots, 40c each.

CARNATIONS

3-inch pot plants, 15c each; \$1.50 per doz. Ready February.
BELLE WASHBURN. Deep red.
BENORA. White; streaked and splashed pink.
EL DORADO. Yellow.
MATCHLESS. Pure white, of excellent form; long stemmed and free flowering; petals fringed.
MRS. C. W. WARD. Deep pink.
ROSE PINK ENCHANTRESS.
WHITE WONDER. A very good white sort.

CESTRUM AURANTIACUM. Flowers yellow; dies down every winter and starts away in spring. Very showy. 35c each.
CINERARIA. As a winter blooming plant for house culture, or for use for bedding under the shade of large trees, these are invaluable. We offer a fine strain. Pot-grown, 15c and 25c each.
CENTAUREA CANDIDISSIMA. A pretty border plant; silvery white foliage. 4-inch pots, 30c each.
CALCEOLARIA YELLOW. A splendid bedding or border plant; produces its showy yellow flowers for a very long period. 3-inch pots, 10c each; \$1.00 per dozen.
CALCEOLARIA RUGOSA. This sort produces flowers of a brownish-red color; grows taller than the preceding. 10c each; \$1.00 per 12.
COREOPSIS LANCEOLATA. The flowers, which are yellow, are of graceful form, are invaluable for cutting for decorative purposes. 60c per 12.
COCOLOBA PLATYPHILA. An odd-looking plant, with jointed stems; bright green foliage; of quick growth. 5-inch pots, 50c each.
COSMOS. Crimson pink, white and yellow. Ready about April 15th. 25c per dozen.

DIGITALIS. Fox Glove. Tall growing plants, throwing up very long spikes of lovely bell-shaped flowers, in great profusion; all colors. 10c each; \$1.00 per 12.
DAISIES. Double, all colors. 40c per 12.
ECHVEERIA (Hen and Chickens). 60c per 12.
EUGENIA APICULATA. Balled, 4 to 5 feet, \$1.50 each.
EUGENIA UGNI. Chilean Guava. 4-inch pot, 60c each.
GENISTA RACEMOSUS. This variety produces very lovely yellow blossoms in great profusion; foliage lace-like; of dwarf habit. 4-inch pots, 50c each.
GOLDEN FEATHER (Feverfew). This plant is much used for making borders and beds; foliage yellow. 35c per 12; \$2.50 per 100.
GAILLARDIA GRANDIFLORA. Flowers bronze scarlet, bordered with golden yellow, three inches in diameter, produced on long stems. 60c per 12.
GAZANIA SPLENDENS. Produces masses of orange-yellow flowers in spring; beautiful for banks and borders. 50c per 12; \$2.50 per 100.
GEUM. MRS. BRADSHAW. Large scarlet flowers; a very showy perennial. 3-inch pots, 15c each; \$1.50 per 12.
HIBISCUS. Large Single Scarlet. 5-inch pots, 50c each.
HYDRANGEA HORTENSIS. This plant is a most satisfactory one, blooming as it does for such a long period; they succeed admirably when planted in a shady place in the garden. 25c, 35c, 50c and \$1.00 each, according to size.
HYPERICUM ST. JOHNS WORT. Of low spreading habit, producing large single deep yellow flowers in great profusion and for a long period; fine for covering banks or planting below trees. 30c each; \$2.50 per 100.
HYPERICUM MOSEIANUM. Of more shrubby growth than the preceding; flowers single yellow. Balled, 60c each.
HYPERICUM FLORABUNDA. A taller growing variety; flowers yellow, smaller than those of the two preceding sorts; very floriferous. 5-inch pots, 2½ feet, 60c each.
HELIOTROPE QUEEN. Very dark. 15c and 25c each.
HELIOTROPE SAPPHIRE. Purple, white center. 15c and 25c each.
HOLLYHOCK. Fine selection. 60c per 12.
IRIS FOETIDISSIMA. This variety is beautiful when it produces its lovely red seeds, that come in a pod, which bursts open at a certain period; after cutting they keep for a long time, and are very ornamental. Strong clumps. 50c each; \$5.00 per 12.
LANTANA. Extremely pretty plants, producing their odd colored brownish-yellow flowers in great profusion for a long period. 4-inch pots, 35c each.
LANTANA. Lavender colored flowers; a very pretty variety of creeping habit. 4-inch pots, 30c each; \$2.50 per 100.

LEONOTIS. "Lion's Tail." Flowers bright orange, borne on whorls around the branches; very showy. 4-inch pots, 30c each; \$2.50 per 100.
LIPPIA REPENS. Used to make lawns; requires very little water. \$2.50 per 100.
LOBELIA. Dwarf blue. 30c per 12; \$2.50 per 100.
LAVENDER, ENGLISH. 3-inch pots, 20c each; \$1.50 per 100.
MARIGOLD. 35c per 12.
MESEMBRYANTHEMUM PINK. These are much used for bedding purposes and planting on banks and hillsides. 60c per 12; \$4.00 per 100.
MESEMBRYANTHEMUM. Lavender flowers. 60c per 12; \$3.50 per 100.
MESEMBRYANTHEMUM. Flame-colored flowers. 60c per 12; \$3.50 per 100.
MARGUERITE, BLUE. 3-inch pots, 15c each.
MARGUERITE, WHITE. Pot grown, 15c each; \$1.50 per 12.
MARGUERITE, YELLOW. Pot-grown, 15c each; \$1.50 per 12.
NEW MARGUERITE, MRS. SAUNDERS. The flowers are snow-white and double. 3-inch pots, 15c each.



Hydrangea Hortensis

FLOWERING AND BEDDING PLANTS

PAONIA HERBACEOUS. Separate colors. 50c each.
PANSIES (Morse's Prize Strain). 50c per 12.
PENTSTEMON. Very ornamental plants, producing long spikes of showy colors in great abundance. Assorted colors, 10c each; \$1.00 per 12.
PENTSTEMON. Scarlet Trumpet. Strong roots. 35c each; \$3.00 per 10.
PETUNIA, SINGLE. Ready March. Pot grown, 10c each; \$1.00 per 12.
PETUNIA, DOUBLE. Pot grown, 15c each; \$1.50 per 12.
PHLOX. Perennial Sorts. 20c each; \$2.00 per 12.
POPPY ORIENTAL. Scarlet. 50c per dozen.
PRIMULA OBCONICA. 15c and 35c each.
SHASTA DAISY (Alaska). The flowers are very large, borne on long stems and very free in bloom. Single white, with yellow center. 50c per 12; pot-grown, 75c per 12.

SANTOLINA. A beautiful border plant; foliage silvery gray, stands trimming well. 50c per 12; \$3.00 per 100.
SALVIA SPLENDENS. Scarlet flowers; continuous bloomers. Ready March. 10c each; 75c per 12.
SEA PINK (Armeria). Very dwarf, requiring no trimming. Flowers rose-pink. 50c per 12; \$3.00 per 100.
SNAPDRAGON. Fine varieties, in separate colors. 35c per 12.
STRAWBERRY. "Evergreen or Wild." Fine for covering embankments. 35c per 12; \$2.50 per 100.
STOCKS. In fine assortment. 35c per 12.
STREPTOSOLON JAMESONII (The "Yellow Heliotrope"). A very useful garden plant, producing masses of showy yellow flowers. 25c and 50c each.
VERBENA, MAMMOTH. All colors. Ready March. 10c each; 75c per 12.
WALLFLOWER. 25c per 12.

POTTED PLANTS AND FERNS

ADIANTUM HYBRIDUM. A strong growing "Maiden Hair" fern, of beautiful growth. Succeeds well in the house. 6-inch pans, 75c and \$1.00 each.
ADIANTUM CUNEATUM. 6-inch pans, 75c and \$1.00 each.
ARALIA SIEBOLDII. A handsome tropical-looking plant, with fig-shaped leaves; succeeds well in the house; or they can be planted outside; they are hardy. 60c each.
ASPARAGUS PLUMOSUS. The leaves are a bright green, are gracefully arched, and are as finely woven as the finest silken mesh. 35c and 75c each.
ASPARAGUS SPRENGERII. 35c and 75c; in hanging baskets, \$1.75 each.
ANTHERICUM VARIEGATUM. Foliage beautifully striped yellowish white; succeeds admirably in the window. 4-inch pots, 35c.
ASPIDISTRA LURIDA. The foliage is large, lily-like in appearance of a dark green color. It is of rugged constitution and will stand in locations that will kill most plants. Large plants, \$3.00 each.
ASPLENIUM FALCATUM (Holly Fern). A favorite variety for house culture and also hardy. Fronds very dark green, glossy and beautiful. 5-inch pots, 60c.
BIRD'S NEST FERN. Well known handsome house ferns. \$1.00 each.
CAREX JAPONICA. A "grassy-like" plant; very easily grown; foliage silvery. 4-inch pots, 30c each.
ISOLEPIS GRACILIS. 4-inch pots, 35c each.
LYCOPodium. "Mossy" foliage; very pretty. 4-inch pots, 30c each.

NEPHROLEPIS BOSTONIENSIS. The well-known Boston Fern, so universally admired. A very good house fern, succeeding where other sorts fail. \$1.00 and \$1.50 each, according to size.
NEPHROLEPIS WHITMANII. Fronds beautifully plumed and crested; of most exquisite beauty; very desirable for house culture and a variety that we can recommend. \$1.00 and \$1.50, according to size.
OPHIOGNON VARIEGATA. A very hardy house plant. 6-inch pots, 75c each.
SELAGINELLA EMILIANA. A very dainty moss-like plant, having exquisite foliage. 3-inch pots, 30c each.

HARDY FERNS

Suitable for planting under pergolas, shady side of houses and under trees.
ADIANTUM FORMOSUM. A hardy "Maiden Hair" fern. 4-inch pots, 35c each.
ALSOPHILA AUSTRALIS. Australian Tree Fern. A beautiful species of quick growth. Large plants \$1.50 each.
ASPIDIUM SPINULOSUM. "Evergreen Lady Fern." 5-inch pot, 60c each.
ADIANTUM PEDATUM. "Five fingered fern." 5-inch pot, 60c ea.
LASTREA CHRYSOLOBA. 4-inch pot, 50c each.
LOMARIA SPICANTE. "Narrow Sword Fern." 4-inch pot, 50c ea.
NEPHROLEPIS TUBEROSUM. 4-inch pot, 50c each.
POLYSTICHUM SETOSUM. "Lace Fern." 5-inch pot, 60c each.
WOODWARDIA. Produces fronds three to four feet. 60c each.



Dianthus in foreground

PALMS, DRACAENAS

* Marked thus are for indoor, conservatory decoration, or warmer sections only.



California Fan Palm and Phoenix Canariensis.

- AGAVE, AMERICAN.** 6-inch pots, 75c each.
AGAVE, AMERICAN VARIEGATED. 5-inch pots, 75c each. Larger, \$1.00 and \$1.50 each.
BAMBOO FALCATA. Of medium sized growth; foliage bright green. \$1.50 per clump.
BRAMEA EDULIS. It has very large fan-shaped leaves of bright green color; is never affected by heat or cold. 1½ feet, \$1.00 each; 2 feet, \$2.50 each.

- CALIFORNIA FAN PALM.** See Washingtonia.
CHAMAEROPS EXCELSA (Japanese Fan Palm). One of the hardest of the Fan Palms. Pot grown, 2 feet, 75c each; balled, 2½ feet, \$2.00; boxed, 2½ feet, \$2.50 each.
CHAMAEROPS HUMILIS, Dwarf Fan Palm. Dwarf, hardy Palm. Leaves very small with spiny stalks, segments rigid and double-pointed. A very useful Palm for a small lawn. Fine for tub culture. Handsome and requires but little space. 7-inch pots, \$1.00 each.
COCOS AUSTRALIS. A magnificent, hardy palm of slow growth; excellent for lawn or porch decoration. The growth is more after the style of a Phoenix or Date Palm. The foliage is gray-green in color. Potted, 2 to 2½ feet, \$2.50 each.
***CYCAS REVOLUTA.** The well-known Sago Palm, so much in demand for inside decoration. \$2.50, \$3.00 and \$3.50, according to size.
DRACAENA INDIVISA. A fine plant for outdoor planting in California, and much in use for lawns, avenues and parks. 4-inch pots, 35c each. Balled, 1½ to 2 feet, 75c each; 3 to 3½ feet, \$1.50 each.
***KENTIA BELMOREANA.** This fine palm is a valuable addition to our collection. Its leaves are pinnate, dark green, and so beautifully crisp as to gain for it the name of "Curly Palm." 5-inch pots, \$1.75.
***KENTIA FOSTERIANA.** One of the finest of the Kentias, with graceful, bright green foliage. 5-inch pots, \$1.75 each.
***LATANIA BORBONICA.** Leaves large, fan-shaped, of a very cheerful green color. 8-inch pots, \$2.50 each.
PAMPAS GRASS. 60c each.
PHOENIX CANARIENSIS (The Canary Island Date). 5-inch pots, 60c each. Balled, 1½ feet, \$1.50 each; 2½ to 3 feet, \$2.50 each.
WASHINGTONIA SONOREA. Balled, 1½ feet, \$1.00 each.
WASHINGTONIA ROBUSTA. One of the most beautiful of our native palms; leaves fan-shaped. Balled, 2½ feet, \$1.50 each; 3½ feet, \$2.00.

Honolulu, Nov. 10th, 1919.
 Your shipments always carry very well and people here are very pleased with your goods. E. M. E.

Sonoma, Cal., Oct. 15th, 1919.
 All of your trees were fine, and the pear trees particularly are the best ever seen. R. A. D.

Tracy, Cal., Nov. 11th, 1919.
 I have advised my neighbors of quality of your stock, and have numerous inquiries as to where I get my choice plants. E. L. T.

DECIDUOUS ORNAMENTAL AND AVENUE TREES

- APPLE FLOWERING. BETCHELLS, DOUBLE LIGHT PINK.** 2 to 3 feet, \$1.00.
APPLE FLOWERING HALLEANA. Bright red flowers. 3 to 4 feet, 80c each.
BIRCH, EUROPEAN WHITE. A very graceful tree, with silvery bark, as it attains age. 5 to 6 feet, \$1.25 each.
BIRCH, CUT-LEAVED WEeping. A charming tree with deeply lacinated foliage. 5 to 6 feet, \$1.75 each.
HAWTHORN. Paul's Double Scarlet. 4 to 6 feet, \$1.00 each.
LABURNUM. A beautiful medium sized growing tree, producing long drooping racemes of fragrant yellow flowers. 5 to 6 feet, \$1.00 each.
LINDEN, EUROPEAN. A handsome tree, leaves large, underside silvery green; flowers produced in clusters, very sweetly perfumed. 4 to 6 feet, \$1.00 each.
LOCUST, BLACK. 6 to 8 feet, 80c each.
LOCUST, PINK FLOWERING. 6 to 8 feet, \$1.50 each.
MAPLE, SILVER, OR SOFT. A rapid-growing tree; foliage bright green above, silvery beneath. 6 to 8 feet, \$1.00 each.
MOUNTAIN ASH. 5 to 6 feet, 80c each.
PLUM, PURPLE-LEAVED. 4 to 6 feet, 80c each.
POPLAR, CAROLINA. Of spreading growth; rapid grower. 6 to 8 feet, 80c each.
POPLAR, LOMBARDY. A very rapid, erect growing tree, with a tall, spiry form and particularly striking and picturesque. 8 feet, \$1.00 each.
SYCAMORE, EUROPEAN. This variety is much in demand for sidewalk planting. 6 to 8 feet, \$1.00 each.
TEXAS UMBRELLA TREE. 5 to 6 feet, \$1.00 each.
WALNUT, CALIFORNIA BLACK. One of the best shade trees for California; of rapid growth. 5 to 6 feet, 75c each.
WILLOW, BABYLONIAN. A rapid growing tree with drooping branches, leaves long and narrow; a well-known variety. 5 to 6 feet, \$1.50 each.

HARDY EVERGREEN TREES

ACACIA

For quick growth and shade-afording purposes we know of no better tree. We offer the following varieties, all pot-grown.

- ARMATA**, "Prickly Acacia." Flowers in great profusion; deep orange-yellow. 3 to 4 feet, 50c each; \$4.00 per 10.
- BAILEYANA**. One of the most ornamental; foliage beautiful sea-green; flowers yellow, ball-shaped; very profuse in bloom. 3 feet, 75c each.
- CULTRIFORMIS**. Foliage of this variety is triangular in form; color beautiful sea-green; profuse in bloom; of medium sized spreading growth. 18 to 20 inches, 35c each; 3 feet, 75c each.
- CYANOPHYLLA** (Blue-Leaved Wattle). Flowers yellow, leaves very large; glaucous green. 3-inch pots, 25c each; 5-inch pots, 3 feet, 50c each.
- CYCLOPS**. 5-inch pots, 3 to 4 feet, 50c each.
- DEALBATA** (Mollissima). One of the finest of the feathery foliaged, yellow flowering sorts. 5-inch pots, 3 to 4 feet, 75c.
- LATIFOLIA**. This variety is much used for windbreaks; it is excellent for sidewalk planting, as it can be trimmed to any desired shape. 4-inch pots, 50c each; 5-inch pots, 5 to 6 feet, \$1.00 each.
- LOPHANTHA**. Delicate foliage; rapid grower; flowers creamy white. 5 feet, 50c each; \$4.00 per 10.
- MELANOXYLON** (Blackwood Tree). A splendid sort for sidewalk planting; of very quick growth. 4-inch pots, 3½ feet, 40c each; 5-inch pots, 4 to 4½ feet, 60c each; 5-inch pots, 5 to 6 feet, 80c each.
- PYCNANTHA** (Golden Wattle). Flowers rich yellow, ball-shaped; leaves large, leathery. 4-inch pots, 2 to 3 feet, 35c each; 6-inch pots, 5 to 6 feet, 75c each.
- PARADOXA**. Quite thorny; flowers very deep yellow. 5-inch pots, 2½ feet, 40c each.
- RETINOIDES FLORABUNDA**. Pendulous habit; sea-green foliage; very floriferous and sweet perfumed. 4-inch pots, 3 to 4 feet, 40c each; \$3.50 per 10. 5 and 6 inch pots, 4 to 5 feet, 60c each; \$5.00 per 10.

- ARAUCARIA BIDWELLI**. A magnificent variety, of most symmetrical growth; make grand lawn specimens. 1½ feet, \$1.25 each.
- ARAUCARIA, IMBRICATA** (Chill Pine, or Monkey Tree). A fine tree, of regular pyramidal form; leaves bright green, broad, thick, pointed, overlapping each other. Balled, 1½ feet, \$1.50 each; 2 feet, \$2.50 each; 2½ feet, \$3.00 each.
- CALIFORNIA BIG TREE** (Sequoia Gigantea). 4-inch pots, 35c each; \$3.00 per 10. 6-inch pots, 1½ to 2 feet, 75c each.
- CALIFORNIA REDWOOD**. See Redwood.
- CALIFORNIA LIVE OAK**. 6-inch pots, 50c each.
- CAMPHOR TREE**. A fast-growing, very symmetrical, ornamental tree, thriving in the very poorest soil. Well adapted for lawn purposes. Pot grown, 3 feet, 80c each.
- CALIFORNIA WILD CHERRY**. Beautiful glossy foliage; berries black. 4-inch pots, 50c each.
- CASUARINA STRICTA**. 4-inch pots, 25c each; \$2.00 per 10. 5-inch pots, 35c each; \$3.00 per 10.
- CEDRUS DEODARA**, Indian or Himalayan Cedar. One of the handsomest of coniferous trees. Balled, 2 feet, \$1.50 each; 3 feet, \$2.50 each; 4 feet, \$3.00 each.

CYPRESS

- CALLESTRIS ROBUS**, "Cypress Pine." A very handsome species; foliage feathery, graceful and of pendulous habit. 5-inch pots, 3 to 3½ feet, 50c each.
- FUNEBRIS**. Foliage delicate and graceful, of pendulous habit. Balled, 1½ feet, 80c each.
- LAWSON SILVER**. It is of rather upright growth; the branches droop gracefully, and the foliage is of a lovely sea-green color. Balled, 3 feet, \$2.50 each.
- MONTERRY**. A native of California, and one of the most desirable of evergreens; stands pruning well; very extensively planted for hedges. Transplanted in flats, \$3.00 per flat. Pot grown, 3 to 3½ feet, 50c each; \$4.00 per 10; 4 to 5 feet, 75c each; \$7.00 per 10. Balled, 5 to 6 feet, \$1.50 each.

ITALIAN. Of upright, pyramidal growth; very much used in landscaping, being particularly adapted for such work. Balled, 5 feet, \$3.00 each; 6 feet, \$4.00 each; 7 feet, \$5.00 each.

CRYPTOMERIA JAPONICA. A large-growing evergreen; handsome. Pot grown, 3 feet, \$1.00 each.

CRYPTOMERIA ELEGANS. Foliage smaller and more graceful than the preceding. Pot grown, 2 feet, 75c each.

EDWARDSIA. Foliage delicate, flowers yellow. 5-inch pots, 3 to 4 feet, 50c each.

EUCALYPTUS

FICIFOLIA, Scarlet-flowering Gum. A beautiful sort; bearing lovely scarlet flowers, thick leathery leaves; hardy only in warmer sections. Pot grown, 12 to 15 inches, 60c each.

GLOBULUS, Tasmanian Blue Gum. Transplanted in flats, \$3.00 per 100; \$25.00 per 1000; pot grown, 1 to 1½ feet, 15c each; \$1.25 per 10.

ROSTRATA, Red Gum. Pot grown, 15 to 18 inches, 20c each; \$1.75 per 10.

RUDIS. Pot grown, 2½ to 3 feet, 30c each; \$2.50 per 10.

TERETICORNIS, Forest Red Gum. Pot grown, 2½ to 3 feet, 30c each; \$2.50 per 10.

GREVILLEA ROBUSTA, Australian Silk Oak. A most beautiful Australian tree; feathery foliage; orange-yellow blossoms. 4-inch pots, 1½ to 2 feet, 35c each; \$3.00 per 10; 5-inch pots, 4 feet, 60c each; 6-inch pots, 5 feet, 75c each.

HOLLY, ENGLISH. Balled, 4 feet, \$4.00 each.



Araucaria Bidwelli, Dwarf Box in foreground.

HARDY EVERGREEN TREES—Continued.



Cedrus Deodora.

- LAUREL, PORTUGAL.** A handsome shrub; foliage dark-green; long panicle pure white flowers. 5-inch pots, 50c each. Balled, 1½ feet, 60c each; \$5.00 per 10.
- LIGUSTRUM.** See Privet.
- MAGNOLIA GRANDIFLORA EXONIENSIS.** A very well-known handsome tree; leaves large and leathery; flowers very large, pure white; very sweet. Balled, 3 to 4 feet, \$3.50 each.
- PINE, STROBUS.** 4-inch pot, 25c each; \$2.00 per 10.

- PINE, MONTEREY.** Transplanted in flats, \$9.00 per flat. 4-inch pots, 15 to 18 inches, 30c each; \$2.50 per 10; 5 and 6 inch pots, 3 feet, 50c each; \$4.00 per 10; 4 feet, 85c each; \$6.00 per 10.
- PITTOSPORUM, TOBIRA.** 4-inch pots, 30c each; \$2.50 per 10. Balled, 1½ to 2 feet, 50c each; \$4.00 per 10.
- PITTOSPORUM, UNDULATUM.** Flowers white, sweetly scented. 4-inch pots, 12 to 15 inches, 25c each; \$2.00 per 10; 20 to 24 inches, 35c each; \$3.00 per 10. In flats (of about 100) \$4.00 per flat.
- PITTOSPORUM, CRASSIFOLIA.** 4-inch pots, 25c each; \$2.00 per 10. Balled, 5 to 6 feet, \$1.50 each.
- PITTOSPORUM EUGENOIDES.** A large, upright-growing shrub, with glossy, yellowish green leaves; a very effective shrub and excellent for hedges. 4-inch pots, 12 to 15 inches, 30c each; \$2.50 per 10; 20 to 24 inches, 35c each; \$3.00 per 10. Transplanted in flats, \$6.00 per flat.
- PITTOSPORUM, NIGRICANS.** A very handsome, upright-growing shrub, with silvery light green leaves and black stems. 3-inch pots, 15c each; \$1.25 per 10; 4-inch pots, 2 to 2½ feet, 35c each; \$3.00 per 10; 5-inch pots, 3 to 4 feet, 50c each; \$4.00 per 10. Balled, 4 feet, 75c each.
- PRIVET ELEGANTISSIMA AUREA.** A variety with beautiful golden foliage. 4-inch pots, 25c each; \$2.00 per 10. Balled, 3 to 4 feet, \$1.00 each.
- PRIVET JAPONICUM, Japanese Privet.** Leaves glossy, leathery, dark green. A large-growing shrub (or small tree). Make an excellent hedge. 4 and 5 inch pots, 2½ feet, 35c each; \$3.00 per 10.
- PRIVET OVALIFOLIUM (California Privet).** A valuable hedge plant. Naked roots, 2½ feet, 20c each; \$1.50 per 10; \$12.50 per 100.
- PEPPER TREE.** 3 feet, 50c each; 5 to 6 feet, 75c each.
- REDWOOD, CALIFORNIA.** 4-inch pots, 3 feet, 60c each; 5 feet, \$1.00 each.
- SPRUCE, PARRYANA GLAUCOA.** Balled, 75c each.
- SPRUCE, NORWAY.** 4 feet, \$4.00 each.
- SPRUCE, MENZIES.** Balled, 2 feet, 75c each.

HARDY EVERGREEN AND DECIDUOUS SHRUBS

Those Plants with a Star before the names are deciduous.

- ABELIA GRANDIFLORA.** A very showy evergreen shrub, producing its white flowers in great profusion for a long period. 5-inch pots, 2 to 2½ feet, 75c each.
- ACUBA JAPONICA.** "Gold-dust tree." Very fine for shady places. 5-inch pots, 75c each.
- ACUBA VIRIDIS.** Dark green foliage; produces very showy red berries. 5-inch pots, 60c each.
- AZALEA HINDOIGERI.** Flowers scarlet; fine for outside planting. 1½ feet, \$2.00 each.
- BERBERIS DARWINII.** A very handsome evergreen shrub, with small glossy foliage; flowers in clusters of a deep yellow. 4-inch pots, 35c each; \$3.00 per 10; 5-inch pots, 60c each.
- BOX, DWARF, Suffruticosa.** A fine small bush, with glossy, roundish leaves. The variety so extensively used for edging. Strong, well rooted. \$6.00 per 100.
- BOX, GOLDEN EDGED.** 3-inch pots, 20c each; \$1.50 per 10.
- BROOM, SPANISH.** 2½ feet, 40c each; 6-inch pots, 4 feet, 60c each.
- CAROB TREE.** St. John's Bread. 2 to 2½ feet, \$1.00 each.
- CASSIA TOMENTOSA.** 4-inch pots, 1½ to 2 feet, 35c each.
- CALLISTEMON SALICINA.** "Willow Leaved." 5-inch pots, 4 to 5 feet, 50c each.
- CALLISTEMON HYPERICIFOLIA.** Slender foliage; flowers pink. 5-inch pots, 3 to 4 feet, 75c each; \$6.00 per 10.
- *CREPE MYRTLE PINK.** Very showy; flowering shrubs, admired by everyone. 2 to 3 feet, \$1.00 each.
- CHOISYA TERNATA.** "Mexican Orange." A medium-sized growing shrub with glossy foliage; flowers pure white; delightfully fragrant. 4-inch pots, 35c each; larger, 75c each.
- COPROSMA BAUERIANA.** Foliage of this lovely shrub as though varnished, succeeds well in windy, exposed situations. 4-inch pots, 50c each.
- COPROSMA BAUERIANA VARIEGATA.** A beautiful variegated form of the preceding. 5-inch pots, 80c each.
- COTONEASTER ANGSTUFOLIA.** A fast-growing sort of upright and spreading habit; berries very freely; orange colored. 4-inch pots, 60c each; 5-inch pots, 3 to 3½ feet, \$1.00 each.
- COTONEASTER HORIZONTALIS.** A beautiful variety, of low-spreading growth; berries very profuse. 4-inch pots, 50c each. Larger, \$1.00 each.
- COTONEASTER NEPAULENSIS.** This shrub is much esteemed; of fairly rapid, upright growth; foliage medium; berries bright red; very pleasing. 4-inch pots, 1 foot, 85c each; 6-inch pots, 3 to 4 feet, \$1.00 each.
- COTONEASTER MICROPHYLLA.** A small-leaved variety of low, spreading habit; much used in making up shrubbery; berries red. 5-inch pots, 60c each; \$5.00 per 10.
- COTONEASTER FRANCHETTI.** Orange-colored berries. 5-inch pots, 2½ to 3 feet, \$1.00 each.
- COTONEASTER PANOSA.** Upright growth; branches long and slender; foliage green on upper side, silvery under side; rapid grower; berries borne in great profusion. Versailles red. 5-inch pots, 60c each. Balled, 2½ to 3 feet, \$1.50 each.
- CRATAEGUS ORENULATA.** An evergreen species of the Hawthorn family, is of dwarfish habit, with glossy foliage, and has berries of a bright scarlet color about the size of a pea. 4-inch pots, 35c each; 5-inch pots, 60c each. Balled, 2½ feet, \$1.80 each; 3 feet, \$1.50 each.

HARDY EVERGREEN AND DECIDUOUS SHRUBS—Continued.

- ORATAEGUS LELANDII.** Berries orange colored. 4-inch pots, 2 to 2½ feet, 80c each.
- DIOSMA, ALBA** (Breath of Heaven). This shrub never attains large proportions. It produces small, white star-shaped flowers in great numbers. The foliage, when bruised, emits a sweet fragrance. 4-inch pots, 35c each; 5-inch pots, 50c each.
- *DEUTZIA,** Pride of Rochester. 2 to 3 feet, 60c each.
- ERICA MELANTHERA.** Splendid winter blooming variety; flowers rose colored. 5-inch pots, 60c each; 2 to 2½ feet, \$1.50 each.
- ERICA PERSOLUTA ALBA.** Flowers white. 5-inch pots, 60c each.
- ERICA STRICTA.** Pink flowers. 15 to 18 inches, 80c each.
- ESCALLONIA, RED.** 5-inch pots, 12 to 15 inches, 60c each; 2 to 2½ feet, \$1.00 each.
- ESCALLONIA MONTEVEDENSIS.** Flowers pure white; very fine. 5-inch pots, 12 to 15 inches, 50c each.
- ESCALLONIA, PINK.** Hardy, quick-growing evergreen shrub; blooms continuously. 5-inch pots, 2½ to 3 feet, 60c each. Balled, 3½ feet, 75c each.
- ESCALLONIA, WHITE.** 5-inch pots, 12 to 15 inches, 50c each.
- EUGENIA MYRTIFOLIA.** Blooms profusely; flowers creamy white; berries purple; foliage ruddy in new growth. 5-inch pots, 60c each; larger, \$1.00 each.
- EUONYMUS DUC D'ANJOU.** Foliage prettily marked, golden yellow in center of leaf. 5-inch pots, 50c.
- EUNOYMUS PULCHELLUS.** Dwarf habit fine for hedges. 3-inch pots, 15c each; \$1.00 per 10; \$8.00 per 100.
- EUONYMUS, GOLDEN.** 5-inch pots, 60c each.
- GREVILLEA THELMANIANA.** A charming, continuous-blooming shrub, flowers pink; foliage graceful and attractive. 5-inch pots, 12 to 15 inches, 50c each.
- HAKEA SALIGNA.** Medium-sized shrub; long slender foliage, with small clusters white flowers. 4-inch pots, 2 to 2½ feet, 50c each.
- HEATH, MEDITERRANEAN.** This variety is most desirable; it produces its small wax-like flowers in wonderful profusion. 4-inch pots, 40c each; 6-inch pots, 60c each.
- JUSTICIA CARNEA.** Flowers freely; flowers pink. 6-inch pots, 50c each.
- *KERRIA JAPONICA.** Bears balled-shaped double yellow flowers in great profusion during a long period. 2 to 3 feet, 60c each.
- LAURUSTINUS.** A well-known winter flowering shrub of great beauty, producing an abundance of white flowers; well adapted for hedges. 4-inch pots, 40c each; \$3.50 per 10; 6-inch pots, 60c each.
- LAURUSTINUS, GOLDEN VARIEGATED.** 5-inch pots, 1½ feet, 50c each.
- *LEMON VERBENA.** The fragrance from the foliage of this old favorite is delightfully refreshing. 5-inch pots, 50c each.
- LEPTOSPERNUM NICHOLSI.** New and rare variety; flowers scarlet. 5-inch pots, 2 to 2½ feet, 80c each.
- LEPTOSPERNUM LAEVIGATUM.** An evergreen shrub much used in Golden Gate Park, where it succeeds to perfection. Especially adapted for windy places. 4-inch pots, 2½ feet, 35c each; \$3.00 per 10; 5-inch pots, 3 to 4 feet, 75c each; \$6.00 per 10.
- *LILAC, WHITE, PURPLE AND RED.** 3 to 4 feet, 75c each.
- LONICERA NITIDA.** A handsome evergreen plant of very compact growth; leaves small, closely set on branches, glistening green in summer, bronzy during winter. 5-inch pots, 60c each.
- MAHONIA AQUIFOLIA.** Oregon Grape. Balled, 18 inches, \$1.00 each.
- MELALEUCA NESOPHILA.** Quick-growing evergreen shrub; flowers pink in terminal round heads. 4-inch pots, 35c each; \$3.00 per 10.
- MELALEUCA SPECIOSA.** 4-inch pots, 50c each.
- MELALEUCA WILSONII.** Foliage soft; new growth ruddy; very handsome. 4-inch pots, 35c each; \$3.00 per 10.
- *MOCK ORANGE.** 1 to 1½ feet, 40c each.
- MYRTLE.** Single white. 5-inch pots, 50c each; \$4.00 per 10.

- OLEANDER, DOUBLE PINK.** Pot-grown; 1½ feet, 75c each.
- OLEANDER, SINGLE WHITE.** Balled, 3 to 3½ feet, \$1.50 each.
- POLYGALA DALMATIANA.** A profuse flowering shrub, with purple pea-blossom-shaped flowers, and pretty light green foliage. 5-inch pots, 50c each.
- *POMEGRANATE, DOUBLE SCARLET.** 15 to 18 inches, 60c each.
- PRIVET EVERGREEN.** Fine for hedges. 3-inch pots, 75c per 10; \$5.00 per 100.
- *QUINCE** (Japanese Scarlet-Flowering). 1½ to 2 feet, 60c each.
- RAPHIOLEPIS OVATA.** 4-inch pot, 30c each; larger, 50c each; \$4.00 per 10.
- RHOODODENDRONS.** Named sorts. \$2.50 each.
- *SNOWBALL.** This well-known shrub is known to nearly everyone; white flowers in greatest profusion in May and June. 1½ to 2 feet, 60c each.
- *SPIRAEA PRUNIFOLIA.** "Bridal Wreath." 2 to 3 feet, 60c each.
- *SPIRAEA A. WATERER.** Crimson flowers. 2 to 3 feet, 60c each.
- *TAMARIX.** 2 to 3 feet, 50c each.
- VERONICA DECUSATA.** Of dwarf habit; leaves closely set together; flowers large violet blue. 5-inch pots, 12 to 15 inches, 60c each.
- VERONICA IMPERIALIS.** The finest of the species. Flowers amaranth. 4-inch pots, 35c each; \$3.00 per 10. 5-inch pots, 12 to 15 inches, 50c each.
- VERONICA VARIEGATED.** 6-inch pots, 2½ feet, 60c each.
- VERONICA WHITE FLOWERING.** Very handsome; flowers large; fine for exposed places. 4-inch pots, 35c each; \$3.00 per 10.
- VERONICA, LIGHT BLUE.** 5-inch pots, 50c each.
- VERONICA BUXIFOLIA.** Balled, 1 foot, 75c each.
- VERONICA CUPRESSOIDES.** Dwarf habit; small foliage. Balled, 1½ feet, \$1.00 each.
- VERONICA TRAVERSI.** Balled, 1½ feet, 75c each.
- *WEIGILEA ROSEA.** Much esteemed shrubs; producing lovely trumpet-shaped pink flowers. 2 to 3 feet, 60c each.



The Pittosporum is excellent for hedge purposes.

FRUIT TREES AND SMALL FRUITS

APPLES

Price, 4 to 5 feet, 65c each; \$6.00 per 10.

- BEN DAVIS.** Large, handsome, striped. November.
- BALDWIN.** Large, roundish, deep bright red over a yellow ground. Ripe in November and December.
- EARLY HARVEST.** Medium size, tender and good. July.
- ESOPUS SPITZENBERG.** Large, light red, rich. Sprightly; vinous flavor. November to January.
- GRAVENSTEIN.** A large striped, beautiful, roundish apple; of excellent quality, juicy, high flavored. Ripe in August.
- JONATHAN.** Light yellow, with red stripes; tender and juicy. Ripens October and November.
- MISSOURI PIPPIN.** Whittish yellow, splashed dark red; crisp and juicy. November.
- NORTHERN SPY.** Roundish, pale yellow, striped red. November.
- RED ASTRACHAN.** Large, roundish, skin deep red; flesh white, juicy and crisp, though rather acid. Ripe in June and July.
- SKINNER'S PIPPIN.** Large; skin pale yellow; juicy and excellent. August.
- SMITH'S CIDER.** Large, handsome, red and yellow; excellent. November.
- WHITE WINTER PEARMIN.** Large, roundish, ohlong and pale yellow; dotted with brown. Ripe December to February.
- YELLOW NEWTON PIPPIN.** Large; flesh yellow, firm, crisp, juicy, of exceedingly rich flavor. Ripe January to March.
- YELLOW BELLEFLOWER.** Very large, ohlong, irregular and tapering toward the eye. Ripens November.

CRAB APPLES

Yellow and Red Siberian.

CHERRIES

Price, 4 to 6 feet, 65c each; \$6.00 per 10.

- BING.** Fruit large, dark brown or black; very fine; late. A good shipping variety.
- BLACK TARTARIAN.** Very large, bright black. The favorite.
- BURBANK.** Very early and excellent.
- CALIFORNIA ADVANCE.** One of the earliest varieties; dark purple.
- EARLY RICHMOND.** One of the sour or pie varieties.
- GOV. WOOD.** Light yellow, hlotched red. The best early.
- LAMBERT.** Very large; bright rich red; an excellent sort. Ripens two weeks earlier than Royal Ann.
- LEWELLING (Black Republican).** Large size; late and good.
- NEPOLEON BIGARREAU (Royal Ann).** Very large; amber in color. The favorite white cherry.

PEARS

Price, 4 to 5 feet, 65c each; \$6.00 per 10.

- BARTLETT.** Bears heavily; good for shipping and canning. Ripe in August.
- BEURRE CLAIRGEAU.** Very large, red cheek with russet ground. Ripe in September.
- BEURRE HARDY.** Large, russety, juicy and melting; very fine. Ripens in August.
- SECKEL.** Rather small, of good shape; yellow skin, with russety red cheek; flesh creamy white, rich flavor.
- EASTER BEURRE.** Very large; fine grain; melting and juicy. Very late.
- P. BARRY.** Very late; russety in color. Excellent.
- WINTER BARTLETT.** Fruit large, closely resembling the famous Bartlett, but ripens four months later.
- WINTER NELLIS.** Medium size, roundish, yellowish green, dotted with russet. November to January.

PLUMS

4 to 6 feet, 65c each; \$6.00 per 10.

- ABUNDANCE.** Skin cherry red; flesh yellow. Very early.
- BEAUTY.** Crimson, amber-crimson flesh. Very early and large.
- CLYMAN.** Mottled, reddish purple; early.
- DIAMOND.** Very large; dark purple; flesh yellow; heavy bearer. Ripens August.

DAMSON. A fine blue plum, good for preserves.

FORMOSA. Very large, heart-shaped; skin cherry-red; flesh pale yellow, sweet and delicious.

GAVIOTA. Fruit ripens from July 15th to August 5th, and is of a deep rosy purple color; flesh honey yellow.

GREEN GAGE. Round, greenish yellow, with brown dots; very juicy and sweet. August.

JEFFERSON. Large, yellow, red on sunny side; rich and delicious; one of the best. Last of August.

KELSEY JAPAN. Very large, heart-shaped; green, changing to rich yellow, overspread with red. July to September.

RED EGG. Large oval; red. August.

SANTA ROSA. Very large; skin deep purplish crimson with pale blue bloom; flesh purple-shaped rosy scarlet.

WASHINGTON. Deep yellow, with pale crimson bluish; flesh yellow, firm, very sweet and luscious.

PEACHES

Price, 4 to 5 feet, 65c each; \$6.00 per 10.

ELBERTA. Very large; bright yellow, with a beautifully mottled red cheek; flesh yellow, juicy, sweet. Ripens last of July.

FOSTER. Large yellow; resembles Early Crawford, ripening a little earlier; an excellent sort.

HALE'S EARLY. Medium size, nearly round; skin greenish white, red cheek; very rich and juicy. Ripens in July.

J. H. HALE. Late introduction; very fine; heavy bearer.

MARY'S CHOICE. An excellent yellow sort. Very large. August.

MAYFLOWER. "The earliest of all Peaches"; skin red; flesh white, excellent flavor; very heavy bearer.

MUIR. Has a delicious, rich, buttery, sweet flavor. Ripens end of August.

PHILLIP'S CLING. The best late clingstone.

SALWAY. Large yellow, with deep yellow flesh; very juicy, melting and rich.

TRIUMPH. A very early yellow fleshed sort; red cheek, downy; flavor very fine.

TUSCAN CLING. A very fine early clingstone; a good shipping and canning sort.

PRUNES

4 to 6 feet, 65c each; \$6.00 per 10.

FRENCH (Petite d'Agen). This is the prune now grown so extensively and successfully in California for drying purposes; medium-sized; egg-shaped, violet purple; very rich and sugary.

HUNGARIAN. Fruit very large, with tendency to come double; reddish violet, covered with a handsome bloom.

IMPERIAL EPINEUSE. Large and uniform in size. Very sweet, and of high flavor.

ROBE DE SARGENT. Deep purple; rich and delicious.

SILVER. Very large; rich; yellow.

SUGAR. Skin very tender; at first of a light purple, tinted with green, changing at maturity to dark purple, covered with a thick, white bloom.

TRAGEDY. This is the earliest of all prunes, and earlier than any plum. Good size, dark purple skin, yellowish green flesh. Sweet and very rich.

NECTARINES

4 to 6 feet, 65c each; \$6.00 per 10.

BOSTON. Deep yellow, mottled red. August.

HARDWICK. Pale green, red cheek; juicy and of high quality. September.

LORD NAPIER. Pale yellow, dark blotch; flesh tender and white. August.

NEW WHITE. Skin white; rich flavor; excellent. July.

APRICOTS

Price, 4 to 6 feet, 65c each; \$6.00 per 10.

BLENHEIM. The trees are early and regular bearers and have an abundance of foliage thoroughly protecting the fruit. Fruit above medium, oval; orange color; with deep yellow, juicy and rich flesh. July.

FRUIT TREES AND SMALL FRUITS—Continued

HEMSKIRKE. Large, roundish; flesh bright orange; tender and juicy, with a rich plum-like flavor; fruit not quite as large as the Moorpark, but ripens more evenly. August.

MOORPARK. Very large; excellent flavor. Late.

ROYAL. Of medium size, yellow with red cheek; immensely productive; an early ripening variety.

ALMONDS

Price, 4 to 5 feet, 85c each; \$5.00 per 10.

I. X. L. Nuts large; shells easily, no machine being needed, nor is any bleaching necessary; shell soft but perfect.

NE PLUS ULTRA. Tree a rapid grower, of husky habit; a heavy and regular bearer.

NONPAREIL. Of a weeping style of growth; an extraordinary heavy and regular bearer; with very thin shell.

PAPER SHELL. Medium size; of fine flavor.

TEXAS PROLIFIC. Tree vigorous, with upright, open growth. Nut medium size. Shell medium soft.

DRAKE'S SEEDLING. Very heavy and regular bearer; good to plant as a pollinizer; medium hard shell.

QUINCES

Price, 4 to 5 feet, 85c each; \$6.00 per 10.

APPLE, or Orange. Large, bright yellow.

CHAMPION. Very large; flesh tender, delicate flavor.

PINE APPLE. Very tender; makes a high flavored jelly; pine-apple flavor.

FIGS

CALIFORNIA BLACK. Large, dark purple, almost black when fully ripe. (This variety does not require the Wild Fig for pollinization.) 3 to 4 feet, 65c each; \$6.00 per 10.

ORANGES

Price, lifted with balls of soil, \$2.50 each.

RIVERSIDE WASHINGTON NAVAL. Fruit first-class in every respect; symmetrical, seedless; pulp fine-grained.

VALENCIA LATE. An orange of remarkably strong-growing habit, and claimed by those fruiting it to be a good bearer; a little later than Mediterranean Sweet.

LEMONS

Price, lifted with balls of soil, \$2.50 each.

EUREKA. Tree nearly thornless, of rapid growth and prolific bearer; fruit of the best quality. A general favorite.

LISBON. Medium size; sweet rind; very strong in acid; very few seeds; tree a rapid grower and very productive.

VILLA FRANCA. Fruit uniformly medium size, fine grained, sweet rind; very few seeds, good keeper.

POMELOS (Grape Fruit)

Price, lifted with balls of soil, \$2.50 each.

MARSH'S SEEDLESS. Medium, practically seedless; skin thin and smooth; pulp juicy; of superior flavor. Keeps late.

OLIVES

Mission. 1/2 to 3/8 inch caliper, 80c each.

GRAPE VINES

25c each; \$2.00 per 10.

BLACK CORNICHON. Berries long; excellent table sort.

GROS COLMAN. Bunches large, dark purple; rich and juicy.

ROYAL MUSCADINE. Greenish yellow, excellent; aroma peculiar to this class, fully developed.

SULTANEA ROSEA. A very fine table sort; pale red; large bunches; seedless.

THOMPSON'S SEEDLESS. The well-known raisin variety; also a fine eating sort.

WHITE TOKAY. Large, tender, juicy and rich.

THE PIERCE GRAPE

This grape originated at New Park, the home of J. P. Pierce in Santa Clara. The berries are of immense size, having the delicate flavor of the Old Isabella without being too pronounced. 30c each; \$2.50 per 10.

CURRANTS

Two years old, 25c each; \$2.00 per 10.

BLACK NAPLES. Berries large and black.

CHERRY CURRANT. Very large, deep red. One of the best.

GOOSEBERRIES

OREGON CHAMPION. 30c each.

RHUBARB

Lorenzo, 15c each; \$1.50 per dozen.

RASPBERRIES

CUTHBERT. The largest, handsomest and best red Raspberry cultivated. Bears transportation well. 15c each; \$1.00 per 10; \$6.00 per 100.

ST. REGIS. Of excellent quality; bears for a long period; berries large, bright crimson. 20c each; \$1.50 per 10.

SUPERLATIVE. Very large, red berries; produces during entire season. 20c each; \$1.50 per 10.

BLACKBERRY HIMALAYA

Bears immense crops of fruit, commencing to ripen about the middle of July and it will keep bearing until frost. The fruit is very large and the flavor is delicious, having a wonderfully fine aroma which commends itself to everyone.

One-year-old plants, 25c each; \$2.00 per 10.
Tip rooted plants, 15c each; \$1.25 per 10; \$10.00 per 100.
Ready about 15th January.

BLACKBERRY MAMMOTH

Named by some "The Black Loganberry."

Flavor is a decided improvement on any known variety of blackberry. Set out nine feet apart, and six feet in the rows. One-year-old plants, 25c each; \$2.00 per 10.

Tip rooted plants, 15c each; \$1.25 per 10; \$10.00 per 100.
Ready about January 15th.

THE LOGANBERRY

(Raspberry-Blackberry)

It partakes of both flavors of the raspberry and the blackberry, being a combination of the two mixed; a very pleasant, mild, vinous flavor.

Tip rooted, 15c each; \$1.25 per 10; \$10.00 per 100. Ready about January 15th.

STRAWBERRIES

Price, 35c per 12; \$2.50 per 100.

BRANDYWINE. (Per.) Very productive; blossoms perfect; fruit very large, of good form, bright red all over, and of good quality. Season, medium to very late.

KLONDYKE. Rich red; of mild flavor; quite juicy; very productive.

MAGDON. Large berry, dark red in color, and of very fine aroma.

MARSHALL. (Per.) Of enormous size, blood red color, rich aromatic flavor. One of the good old "standbys."

OREGON EVERBEARING. A very fine variety; a heavy and regular bearer.

BANNER STRAWBERRY

This well-known variety is now so well known that it needs no description; excellent in every way. 40c per 12; \$3.00 per 100.

WALNUTS

FRANQUETTE. Grafted on California Black. 4 to 6 feet, \$1.25 each; \$12.00 per 10.

MAYETTE. Grafted on California Black root. 4 to 6 feet, \$1.25 each; \$12.00 per 10.

JAPANESE PERSIMMON

4 to 5 feet, \$1.00 each.

HACHAY. (Bee Hive). Referring to shape of fruit, which is the shape of a "Bee Hive." Very delicious sort. October.

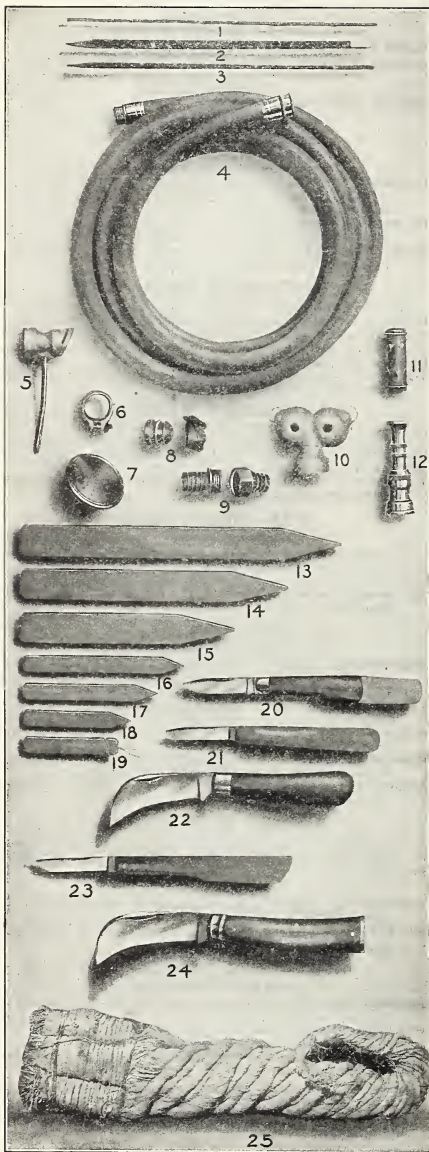
HYAKUME. The name means a weight equal to four-fifths of a pound; very large, slightly olate. October.

TANE-NASHI (Seedless). Very large, bright red. September.

YEMON. Large, tomato-shaped. November.

Kindly let us know if we can substitute, should we be sold out of any of the varieties. It will be about the second week in January when we commence shipping fruit trees.

HORTICULTURAL TOOLS AND SUPPLIES



All tools and supplies (except liquids and poisons) may be sent by parcel post at zone rates. Hundreds of our customers living in the country have availed themselves of the opportunity to buy tools, supplies, pruning shears, etc. which they need, and have them delivered to their houses promptly and without trouble. Prices do not include postage.

Bamboo Canes—Fig. 1. Dozen, 4 feet, 25c; 100, \$1.50; 5 feet, 35c; 100, \$2.00; 6 feet, 45c; 100, \$2.75; 7 feet, 55c; 100, \$3.25.

Corn and Melon Seed Planter—Acme two-hand. Each \$1.50.

Garden Stakes—Fig. 2. Heavy, square, painted green. White tipped, made of redwood and impossible to rot. Per dozen, 3 feet, \$1.50; 4 feet, \$1.85; 5 feet, \$2.25; 6 feet, \$3.00; 7 feet, \$4.00; 8 feet, \$7.00; 9 feet, \$1.00 each.

Garden Stakes—Fig. 3. Round, painted green. 6 ft., \$2.00 per dozen.

Corn Planter, Hand—Each \$1.50.

DIBBLES. Iron Handle (weight 1 lb.) Each 60c.

DIBBLES. Wood Handle (weight 1 lb.). Each 65c.

HOSE AND HOSE ACCESSORIES

MOULDED HOSE—Fig. 4. Best grade of pliable pure rubber hose made. Made by the new moulded process, which makes a stronger, tougher, more durable hose. This is not the same kind you can buy everywhere. The "Rawhide" is the cheapest hose to buy, because it will last. ½ inch, in 25 feet lengths, at 23c (weight 25 ft., 9 lbs.); in 50 feet, at 22c ¾ inch, in 25 feet, at 26c (weight 25 ft., 12 lbs.); in 50 feet, at 25c per foot.

Hose Clamps, Sherman—Fig. 6. Tighten with nut and screw. Use with hose couplings. ½ inch and ¾ inch, 100 each, 85c dozen. (Weight 10 ozs.). 1 inch, 20c each.

Hose Couplings—Fig. 9. Brass (weight 5 ozs.), 35c per pair. Clincher; requires no hose clamp (weight 4 ozs.), 40c per pair.

Hose Mender. The "Cooper" Brass—Fig. 11. Made of thin brass tubing; will not rust or wear out; scarcely decreases the flow of water. For ½-inch or ¾-inch hose. Price 20c each.

Hose Mender. "Clincher." Either ½-inch or ¾-inch. The best, 15c each, \$1.50 per dozen (weight 1 doz., 1 ¼ lbs.).

HOSE NOZZLES

Brass Rose—Fig. 7. For spraying either greenhouse or garden (weight 5 ozs.). Each 85c.

Gibbs Type—Fig. 12. Adjustable coarse or fine spray (weight 8 ozs.). 75c each.

Oakland Nozzle. Makes a good flat spray (weight 6 ozs.). 65c ea. Ross. Makes a sprinkle stream for hand work. Each 90c.

Hose Washers—"Secure Washers." The wire which crosses the washer absolutely holds it in place. No more wasted time and patience looking for a washer which "was there yesterday." No postage if ordered with seed. 6 washers for 10 cents.



Gopher Gun Surepop. Explodes a blank cartridge which tears the gopher to pieces. (Weight 10 ozs.). Each 85c. Cartridges, per box of 50, 85c.

Grass Shears or Sheep shears; best grade (weight 10 ozs.). Per pair, 90c.

Glazing Points. Sieberts never rust zinc glazing points for greenhouse use; in 5¢ and ¾-inch size. Per lb. 75c.

Hedge Shears (weight 3 ½ lbs.). 8-inch, per pair \$3.00; 9-inch, per pair, \$3.35; 10-inch, per pair \$3.70.

WOODEN LABELS

	Unpainted	Painted
For trees, pots and gardens	Weight lbs.	Per Per
3 ½-in. iron wire Tree Labels,	Per 100	1000 1000
Fig. 19.....	4 ¼ per m	\$0.35 \$1.90 \$2.30

3 ½-in. copper wire Tree Labels, Fig. 19.....	4 ¼ per m	.40	2.25	2.75
4-in. Pot Labels, Fig. 18.....	3 ¼ per m	.30	1.45	2.00
5-in. Pot Labels, Fig. 17.....	4 per m	.40	2.00	2.50
6-in. Pot Labels, Fig. 16.....	4 ¼ per m	.50	2.30	2.85
8-in. Pot Labels, Fig. 15.....	10-16 per c	1.00	7.00	8.00
10-in. Garden Labels, Fig. 14.....	3 ¼ per c	1.20	7.00	8.50
12-in. Garden Labels, Fig. 13.....	3 ¼ per c	1.35	10.00	12.00

KNIVES (Prices are postpaid)

	Budding Knives	Each
Bone Handle, J.....		\$2.00
Ivory Straight Handle, Large, Fig. 23, S.....		3.50
Ivory Straight Handle, Medium S.....		3.25
Ivory Straight Handle, Small, Fig. 21, J.....		2.25
	Pruning Knives (Postpaid)	Each
Large Pruner, curved handle, S, Fig. 24.....		\$3.25

HORTICULTURAL TOOLS AND SUPPLIES—Continued

Prices do not include postage unless so stated.

Various Knives (Postpaid)

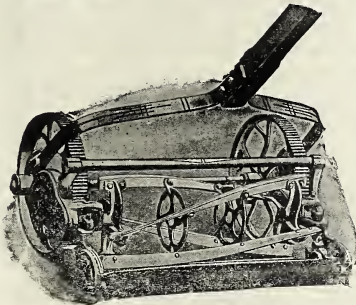
- Propagating, budding blade opposite Ivory wedge, J. Fig. 20 \$2.00
Raffia, True. Just imported, and this is good. Lb. 50c; 10 lbs. \$4.50; 100 lbs. \$42.00.
Raffia Substitute. Lb. 40c; 10 lbs. \$3.80; 100 lbs. \$35.00.
 Moss, Selected Oregon, 25c.
Grafting Wax. ¼ lb. 15c; ½ lb. 30c; lb. 50c.
 Snow's, hard, per lb. 45c; 10 lbs. \$4.25.
Trowels. Welded steel shank; weight 10 oz.; 6-inch, 75c each. Riveted Shank; weight 8 oz., 20c each.
 Hoe; narrow blade like a hoe for transplanting, 70c. 14-inch handle, 6-inch blade; weight ½ lb., 35c each. Long handle, 20-inch; blade 6 inches, 40c each.
 Transplanting, narrow blade (weight 5 oz.); 6-inch, 25c each; 7-inch, 30c each.
Rubber Plant Sprinklers. For indoor watering; straight neck, metal top; (weight 9 oz.) \$1.50 each.
Rubber Plant Sprinklers. For indoor watering, angle neck, metal top (weight 9 oz.), \$1.50 each.

GOPHER AND MOLE TRAPS

- Gopher Trap, "Ideal."** Catches them in a cage. 50c each.
Gopher Trap, "Novelty." Brass jaws; never fails to catch them; weight 3 oz. 25c each. **Maccabee, 25c each; 2.50 per dozen.**
Mole Trap, "Reddick." No mole can pass under this trap and live; weight 2½ lbs. 90c each.

LAWN MOWERS

- Philadelphia Mowers are the best, also the oldest and most reliable make. A cheap mower is a poor investment.
 Express charges up to 40 cents will be prepaid free.
"THE GRAHAM." The new Philadelphia mower with low knives, high wheels; double gears; all steel; no center bar in front of the blades. 15-inch, \$22.00; 17-inch, \$23.50.
Philadelphia, Style A—Fig. 31. Solid steel throughout, ball bearings highly geared; will clip closely and well. Used by the Golden Gate Park extensively for their work. The finest mower made; all parts tested. 15-inch, \$20.00; 17-inch, \$21.50.



Philadelphia, Style A

- Philadelphia, Style K—Fig. 30.** Has 5 blades, part steel, single pinion; a good high-class mower. 14-inch, \$15.00; 16-inch, \$17.00; 18-inch, \$19.00.
Old Style Philadelphia. Solid blade and wheel, impossible to get out of order; will last a lifetime; does good work. There is no mower just like this and none other so popular. 10-inch, \$11.50; 12-inch, \$12.50; 14-inch, \$13.75; 16-inch, \$15.00.
Overbrook. 14-inch, \$11.50; 16-inch, \$12.00.
Ottumwa Ball-Bearing. Made from all steel.
 A—14-inch, \$11.50; 16-inch, \$14.00; 18-inch, \$15.50.
 M—14-inch, \$13.00; M, 16-inch, \$12.00.

LAWN SPRINKLERS

- California. Revolving arms (weight 3 lbs.), 18 in. tall. Each \$2.50.
Aetna. 21-inch stem, 3 arms; well made. Each \$2.75.
Champion. Adjustable to varying water pressures, made from solid brass (weight 10 oz.). Each 90c.
Fan Sprinkler—Fig. 5. Made of zinc metal and shaped so that it will water a bed on one side only. Very convenient to use from a cement walk; weight 9 oz. Each 30c; per doz. \$3.00.
Fountain, Brass. Perforated brass reservoir (weight 10 ozs.). Each 75c.
Fountain, Iron. Perforated brass-plated reservoir (weight 10 oz.). Each 40c.

- Half Circle.** Brass case to spray on one side (weight 4 oz.). Each 60c.
Pacific Adjustable. Revolving arms, 18-inch arms, 5 in. high (weight 2 lbs.). Each \$3.00.
Pacific. As above, with pipe siled, 30 in. high (weight 7 lbs.). Each \$4.25.
Pluvius. Revolving arms, 12 in. tall (weight 2½ lbs.). Each \$2.10.
Sunshine, No. 3. Mounted on a pipe siled. Extra large size, 4-ft. 6-in. arms, 3-ft. 3-in. high. Each \$5.50.
Sunshine Tripod. The same as above, mounted on a large tripod. An extra fine sprinkler and used at the Panama-Pacific International Exposition. Each \$6.50.
"Twin" Sprinkler—Fig. 19. Made of zinc metal and cannot rust. Will cover the lawn evenly for 16 feet radius. Very popular; weight 10 oz. Each 30c; per doz. \$3.00.
Wilgus No. 1. (Weight 12 oz.). Each 45c.
Wilgus No. 2. (Weight 10 oz.). Each 55c.

POTATO PLANTER

- Acme.** Old style hand planter. Almost as easy as to walk. Each \$1.25.
HAND PRUNING SHEARS
 8-inch. Plain. Per pair 60c.
 8-inch. Pexton brand. Per pair 85c.
 8-inch. With ratchet nut. Per pair \$1.50.
 8-inch. With ratchet nut. Per pair \$2.00.
 9-inch. With ratchet nut bearing. Per pair 80c.
 8-inch. Swiss Pattern (weight 1 lb.); an extra fine shear of the best steel. Per pair \$2.50.
Ladies' Small Nickel (weight 5 oz.). 6-inch. Per pair \$1.40.

ORCHARD PRUNING SHEARS

- Extra Heavy Pruning Shears,** made in the Cartright pattern, forged from high-grade tool steel and finely tempered. This is a much better shear than can be purchased at most stores. Per pair (weight 3¼ lbs.) \$2.75.
Rhodes Double Cut. Cuts from both sides; 30-inch handles. Per pair \$4.25; 36-inch handles, per pair, \$4.50.

SEED SOWER

- International.** Each \$2.00.
Chahoon Style. Broad-cast seeder. Each \$4.75.

TREE PROTECTORS

- Paraffine Paper.** Made from heavy Manila paper. Not kept in stock. Prices are f. o. b. Redlands, for direct shipment from factory. Can also supply in black tar paper.
- | Weight | Per 100 | Per 1000 |
|-----------------|---------|----------|
| 12-inch 43 lbs. | \$1.25 | \$10.25 |
| 14-inch 50 lbs. | 1.50 | 11.50 |
| 18-inch 65 lbs. | 1.50 | 13.00 |
| 24-inch 85 lbs. | 2.00 | 16.50 |
- Yucca Tree Protectors.** F. o. b. Redlands for direct shipment from factory. There is no better tree protector made than these. Order early and allow time enough.
- | Weight | Per 100 | Per 1000 |
|------------------|---------|----------|
| 12-inch 75 lbs. | \$1.25 | \$10.25 |
| 14-inch 90 lbs. | 1.50 | 11.50 |
| 18-inch 125 lbs. | 1.50 | 13.00 |
| 24-inch 150 lbs. | 2.00 | 16.50 |
| 30-inch 200 lbs. | 2.25 | 19.00 |

Plain Wood

- Yucca Fibre.** A perfect protection for young trees against rabbits, grasshoppers, sunburn, frost, etc. The usual size is 7 inches wide and of various lengths. Will not crack or break.
 12-inch (weight 8½ lbs.); \$1.30 per 100; \$11.50 per 1000
 14-inch (weight 10 lbs.); \$1.35 per 100; \$12.50 per 1000
 16-inch (weight 11 lbs.); \$1.50 per 100; \$14.00 per 1000
 18-inch (weight 12 lbs.); \$1.70 per 100; \$15.50 per 1000
 24-inch (weight 19 lbs.); \$2.00 per 100; \$18.50 per 1000

Watering Pot

- Galvanized iron, with brass fittings, and two brass roses, one fine and one coarse, with each pot. These are hard to pack and are better sent by express than by mail. 6-quart, \$5.75; 8-quart, \$6.00; 10-quart, \$6.25; 12-quart, \$6.75.

- Watering Pot, Greenhouse Pattern.** Built to get close to greenhouse roofs; 4 quarts, \$3.50 each.

- Weed Killer, Herbicide.** Kills weeds, destroys all vegetation. Use on walks only. Quart Can, 90c; Gallon, \$2.60. Larger lots quoted on application.
Weed Killer, Sterlingworth. A powder which will certainly kill all weeds it is put on. Rid your walks of dandelions, morning glory, etc.; poisonous. Lb. pkg. 75c; 5 lbs. \$3.00.

- Wire Hanging Baskets.** Handsome baked green enameled wire baskets. Shipped at purchaser's risk; liable to become bent.

Each	Weight	Per doz.	Wt. doz.
8 in.	\$0.25	½ lb.	\$2.25 5 lbs.
10 in.	.30	¾ lb.	3.25 7 lbs.
12 in.	.40	1 lb.	4.00 9 lbs.

THERMOMETERS

- By express; mailed at purchaser's risk.
Maximum and minimum. \$1.85
Maximum and minimum. 4.50
Max. & M.—wood scale. 3.00
 Other thermometers and hygrometers at our store, 125 Market St.



INSECT DESTROYERS

Insecticides are best applied as a spray, the more force the greater the effective results. Keep the bugs from once getting a start. Spray early for best results.

The following cannot be sent by mail, except where noted, but must go by express or freight. Poisons are not mailable.

APHINE—Fig. 60. A carefully prepared insecticide against all plant lice or aphids, and all sucking insects, white fly, red spider, etc. 1/4-pint can, 30c; 1/2-pint, 50c; 1 pint, 80c; 1 quart, \$1.25; 1 gallon, \$3.25.

Aphis Punk. For fumigating, makes a killing tobacco smoke. Can of 12 sheets (weight 1 lb.), 85c; case of 12 cans, \$5.00.

Arsenate of Lead, Dry Powdered. A dry, very finely powdered arsenate of lead which may be dusted or sprayed. Only 1/4 as much required as of the paste form. Use 2 to 3 lbs. per 100 gallons water. Does not burn the leaves; 1/2 lb. 35c; 1 lb. 60c; 5 lbs. \$2.75; 10 lbs. \$5.25. Special prices quoted on 50 and 100 lb. lots.

Arsenate of Lead, Paste form. 50 lb., 100 lb. and up. Write for prices.

Atomio Sulphur. Use 19 lbs. to 100 gallons as a spray. The best article to spray to kill the red spider. 2-lb. bottle 50c; 25 lbs. \$3.25; 100 lbs. \$8.50; 300 lbs. \$23.25.

"Black Leaf 40." Tobacco Extract is the strongest extract of tobacco made, being 40 per cent pure nicotine. "Black Leaf 40" is non-volatile, so that the full strength is available. Is most valuable as a spray on trees and bushes against aphid and thrip. Dilute 1 to 500, and use with 1-lb. whale oil soap to 50 gal. Not mailable. 10-lb. can, \$13.75; 2-lb. can, \$3.25; small tin, \$1.00; 1-oz. bottle, 25c.

Bordeaux Mixture—Fig. 66. The best and most generally used spray for blight, mildew, curled leaf, peach scab, etc. All prepared and ready for use. Use 4 to 6 lbs. to 50 gallons of water. Not mailable. Dry or powdered, 1 lb. 50c; 5 lbs. \$2.00. See page 95.

Byrna's Ant Destroyer. An effective remedy against ants, cockroaches and snails and slugs. A powder which kills by contact. Do not apply to foliage. 4-oz. cartons, each, 25c; postpaid to Pacific Coast, 30c; doz. \$2.50.

Byrne's Plant Tonic and Insecticide. This kills insects and saves your plants. It kills aphids, red spider, mealy bug, plant lice, sow bugs, some scales and other pests. Makes the plants flourish. Exceptionally effective. Dilute and use 1 to 750. Don't take anybody's word. Try it yourself. Byrne's P. T., 4-oz. bottle, 40c; postpaid to Pacific Coast, 45c; 16-oz. bottle, \$2.25; 32-oz. bottle, \$4.00.

Electric Worm Eradicator. A liquid in glass bottles. Dilute with water 1 oz. to 1 gal. and apply. Will kill all worms in golf greens, etc. Vapor the ground before applying. 8 oz. 60c; pint 80c; quart \$1.50.

Fish Oil Soap. Much of the whale oil soap so called is really fish oil soap, now properly labeled. Mild scalecide and insecticide may be used on palms and ferns. Postage additional. Cakes of about 1 lb. 20c each; 10 cakes for \$1.75.

Whale Oil Soap—Fig. 68. Dissolved in water makes an excellent spray for scale on palms, etc. Postage additional. Bulk, lb., 30c; 10 lbs. \$2.40.

Gopher Cartridges. These emit suffocating fumes when lighted. Sometimes the only way to get Mr. Gopher. 2 for 15c (weight 3 oz.); per doz. 90c (weight 1 lb.); per 100 \$5.00.

Grape Dust—Fig. 69. A non-poisonous powder for the remedy and control of mildew and rot on grapes, roses, etc. 1-lb. cartons, 40c; 5-lb. packages, \$1.25.

Kerosene Emulsion. Ready for use; will kill scale, green lice and other pests that suck; makes 25 gallons of spray. 1-quart cans, 50c; 1-gallon cans, \$1.25.

Lime Sulphur Solution, Dry Powder Form. Why waste money paying freight and caring on water? Our new Dry Lime Sulphur eliminates all of that and makes an easily prepared perfect spray. See page 95. 1 lb., 40c; 10 lbs., \$2.50. Write for prices on large lots. 80 lbs. equals 1 barrel of the ordinary liquid concentrated. See our Dry Lime Sulphur on page 95.

Nico-Fume Liquid—Fig. 70. Contains 40 per cent nicotine. Place a hot iron in 1 1/2 pints of water to which a scant tablespoonful of Nico-Fume has been added. This will kill greenhouse pests over 600 square feet. Useful also to spray against aphids. 1/2-lb. can, 75c; 1-lb. can, \$2.00; 4-lb. can, 7.50; 8-lb. can, \$14.45.

Nico-Fuma Tobacco Paper—Fig. 71. Strongly saturated with nicotine. Merely suspend from bench and light lower end. One sheet is destructive to 2000 cubic feet. Air-light can, 2 dozen sheets, \$4.25 (weight 1 1/4 lbs.); air-tight can of 144 sheets, \$5.00 (weight 4 lbs.).

Nikoteen. A tobacco extract of 30 per cent nicotine. Comes in glass bottles. Par pint bottle, each, \$2.00; case of 10 pints, \$18.00. Nicotoids. Gallon cans only. Each, \$17.50.

Paris Green. Pure poisonous. Kills caterpillars, and all bugs which chew the leaves. 1/4 lb. 25c; 1/2 lb. 40c; 1 lb. 70c.

Slug-Shot—Figs. 75 and 76. Destroys all insects injurious to house and garden plants, vegetables, and fruits of all kinds—slugs, caterpillars, etc. also poultry lice; as effective as Paris Green without the danger from poison. Mailable. 4-oz. cartons with perforated top for applying, 30c each; 5-lb. package, 55c; 15-lb. package, \$1.50. Tin Dusters for applying Slug-Shot, medium sized, 75c each; large size, 85c.



INSECT DESTROYERS—Continued

Sulpho Tobacco Soap—Fig. 74. (Mailable.) A wonderful insect and bug exterminator. 3-oz. cakes (makes 1½ gallons prepared solution), 10c; 8-oz. cakes (makes 4 gallons prepared solution), 20c.

Sulpho-Nicotina. Hits the mildew and the plant lice at one application. 1-lb. bottle 50c; 5 lbs. \$2.00; larger lots quoted on application.

Sulphur. Kills mildew when the temperature is over 85 deg. Kills the red spider. Lb. 15c; 5 lbs. 30c; 100 lbs., write for prices.

Sulphur, Niagara Soluble. Remedy for pests that are controlled by lime-sulphur solutions. Lb. 30c; 5 lbs. \$1.10.

Tobacco Dust. The most economical form to use tobacco as an insecticide; fatal to green and black fly and similar garden pests, by simply dusting over the plants. If dug around the roots will keep away all pests below ground and insure health to the plants. Coarse, 10c per lb.; 10 lbs. 85c; 100 lbs., \$6.00; powdered, lb., 15c; 10 lbs., \$1.25; 100 lbs., \$9.00.

Tobacco Stems. In bales of about 50 lbs. at 4c per lb.

Vermina. Destroys worms, maggots and grubs. Qt., \$1.25; gal., \$3.35.

FERTILIZERS AND SOIL HELPERS Not Postpaid

Morse's Pulverized Dry Manure (Groz-It). This is a natural fertilizer from the sheep and cattle corrals of the Nevada desert. It has been pulverized and mixed. Coming from the desert it contains potash, and is of double strength. No odor, no flies, dried and ready for use. The golf club uses it by the ton and market gardeners by the carload. It is the best and cheapest fertilizer to use. Put in 2nd hand full barley sacks. Sold by sack only, about 125 lbs. Per 100 lbs. \$2.50; 500 lbs. \$9.00; ½ ton, \$16.00. Use it on your orange groves, on lawns everywhere.

Bone Meal. An excellent fertilizer, moderately strong. 5 lbs., 40c; 10 lbs., 70c; (in sack lots, 125 lbs.), per 100 lbs., \$4.00.

Gromore. Well balanced, odorless fertilizer, and will kill cut-worms as well. 2-lb. pkg. 40c; 25-lb. sack \$2.50.

Nitrate of Soda. Dissolve when using, and use very sparingly; is very strong and apt to burn. 2 lbs. 25c; 100 lbs. \$6.00.

Wonder Fertilizer. No odor. Quick results. 2-lb. pkg., 40c; 25-lb. sack, \$2.50.

Odorless Lawn Dressing. Best all-around fertilizer; use for lawns at rate of 3 lbs. to 100 sq. ft., 3 applications per year. Good for any plant, and a wonderful soil builder and plant food. A complete fertilizer for the garden. 10 lbs., 75c; 25 lbs., \$1.50; 50 lbs., \$2.40; 100 lbs., \$4.50.

Fertilizer for alfalfa, clover, peas and beans. See page 96.

Plant Tablets. Sterlingworth. A 25c package contains 100 tablets, sufficient for 35 plants for 3 months. This costly little makes plants grow splendidly and bloom profusely. In two sizes, 15c and 30c. Weight 2 oz. and 4 oz. respectively.



Soil for Potting. Carefully mixed to make a good soil for house plants. 5 lbs., 15c; per sack, \$1.25; 5 sacks, \$4.25.

BELLOWS, PUMPS, SYRINGES and SPRAYERS of All Kinds

AUTO-SPRAY No. 1

Fully guaranteed. The only practical colored and sprayer, and is every variety of spraying. For trees, shrubs, vines, up to five acres of field crops, disinfectants and small whitewashing jobs. The tank is made of either heavy brass or galvanized iron as ordered, and has a capacity around 3 gallons of solution. The pump is locked to the tank by a cam and can be removed or replaced by a simple twist of the wrist. The joint is made by direct pressure on a rubber gasket. The pump is of heavy brass, 2 inches in diameter, and 2, possibly 3, pumpings will discharge the contents under a higher constant pressure than any other knapsack sprayer.

We recommend a brass tank—will not corrode, also the Auto-Pop No. 1, automatic shut-off. Easily operated. Each machine securely packed in a separate box, shipping weight, 15 lbs.

Auto-Spray No. 1A—Brass tank with Stop-cock \$ 9.50
Auto-Spray No. 1B—Brass tank with Auto-Pop 10.00
Auto-Spray No. 10—Galvanized tank with Stop-cock 7.25
Auto-Spray No. 1C—Galvanized tank with Auto-Pop 7.75

Brass Extension75
Brass Elbow40
Brass Strainer 1.40
Two-row attachment 2.00
NEW "EASY" COMPRESSED AIR SPRAYER. Intermediate size; holds 1 gallon. Each \$2.75.

BELLOWS AND POWDER DISTRIBUTORS

Acme Powder Bellows. Each \$1.05.
Holmes' Powder Blower. The most efficient bellows made. It will throw the powder over a large area in a fine dust. Made on a new principle which works. Ask to have it demonstrated at our store. Do not be satisfied with a bellows until you have seen this one. Each \$4.50.
Blow Powder Sprayer. A tin sprayer for powder. Each 85c.
Acme Powder Dusters. Will distribute any fine powder evenly; ¾ quarts. Each 75c.
Jumbo Powder Gun. (Weight 5½ oz.). 50c each.

DOUBLE ACTION SPRAYER "DAISY." Like Rapid, but made of galvanized iron. Very quick to work with. Each 85c.
MORSE GALVANIZED SPRAYER. We recommend this Sprayer. Made of heavy galvanized iron, has copper tube and long barrel; is painted aluminum. Good for all small work. (Weight 1½ lbs.). Each 75c.

AUTO-SPRAY No. 3-B

The best all-round equipment in high-pressure hand lever pumps.

While primarily built for supplying white-wash and cold water paints, the largest work of this nature being easily undertaken, it is also perfectly adapted to spraying all kinds of trees, plants, shrubs, vines, etc. In fact, it is in every respect a general purpose sprayer. It combines convenience of size with exceptional durability and high pressure, with the price within the reach of all.

The pump is made of heavy brass with adjustable packing. The tank is of eight gals. capacity, made of heavy galvanized iron, and the cover is also heavily reinforced. This cover can be instantly removed, exposing all working parts.

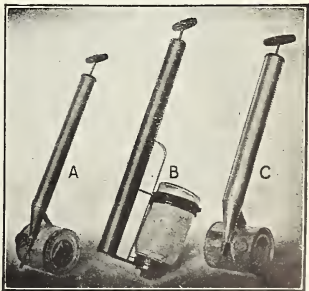
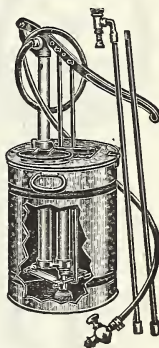
The machine is furnished complete with 8 feet of high-grade hose, 8-foot extension, stop-cock and latest pattern Vermorel nozzle. Shipping weight, 40 lbs.

Auto-Spray No. 3-A, brass tank \$20.00
Auto-Spray No. 3-B, galv. tank . 17.50

Continuous Sprayer—Fig. A. Made of galvanized iron; throws spray uninterrupted by few strokes. (Weight 2 lbs.). Each \$1.50.

Glass Tank Sprayer (Lowell)—Fig. B. Has copper tubes and zinc top and ordinary Mason jar to hold liquid. Can be used for Bordeaux.

Nothing to corrode; easy to work on account of air chamber. Sent by express. 90c each.

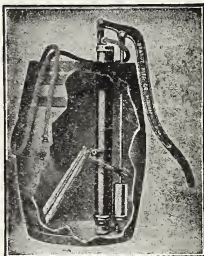


Morse's Tin Sprayer—Fig. C. The new style has can placed across top of sprayer. For spraying liquid insecticides of all kinds on plants, in greenhouses, etc. An all-round useful instrument, at a low price. (Weight 3 lbs.) 90c each.



Hayes' Bucket Pump. Two tubes; all parts brass and extra well made. Each \$5.25.

Hayes' Single Bucket Pump. One tube; compression made which throws continuous spray. Each \$5.25.



King Barrel Pump. Equipment consists of pump only

Hayes Single Bucket Pump

KING BARREL PUMP. Price \$12.75. A fine heavy pump for going inside of a barrel. Valves are of bronze balls. Without attachments of hose or barrel.

Meyers' Bucket Pump. A standard force pump of heavy brass ball valves and great durability. (Weight 7 lbs.). \$5.25 ea.



SPRAY AND WHITENASH BUCKET PUMP

Made entirely of heavy brass; has brass ball valves which cannot corrode or get out of order; also air chamber valves to throw even, continuous spray. Furnished with Bordeaux nozzle, which can be adjusted to any spray solution. The best whitewash and general utility pump there is. (Weight 8 lbs.) Each, \$7.25.

Hayes Spray and Whitewash Pump. Similar to cut. Extra well made. Each \$7.25.

WHITENASH PUMP

Galvanized iron, fine for chicken houses, fences, etc.; light construction (weight 3 lbs.). All other pumps are heavy. \$2.75 each.

FOR POWER SPRAYERS

Bamboo 8-ft. Extensions. Brass Pipe. \$3.65 each.

Spray Controller for use with extensions. The handiest shut-off there is. \$2.25 each.

COMPRESSED AIR SPRAYERS. All hold about 3 gallons and work similarly to Morse Compressed Air Sprayer, illustrated above.

Banner. Galvanized, \$7.50; Brass, \$10.00.

Planet. Galvanized, \$7.25.

LAWN ROLLERS. Dunham's Water Weight. Made with roller bearings so that they run 44 per cent easier than any other sort. Why waste energy trying to overcome friction? The water rollers can be adjusted to suit the condition of your lawn. Dunham's are the only rollers for you.

	Wt.	Wt. Filled	With	Price	With			
	Diam.	Sec.	Emp.	each	Bal.			
	Length	eter	tion	each	handle			
W. B. 3	20-in.	14-in.	1	60	200	300	\$14.00	\$16.00
W. B. 5	24-in.	18-in.	1	75	300	500	16.50	18.00
W. B. 7	24-in.	24-in.	1	125	500	800	20.50	22.00

Dunham's Gold Medal Heavy Iron Rollers with balanced handle
 404 20-in. 20-in. 2 250 20.00

POWER SPRAYERS

Hayes High Pressure Orchard Sprayers, with tanks of from 150 to 200 gallons. Equipped with 1 1/2 H. P. Fairbanks-Morse Gasoline Engine on smaller outfits, and 3 H. P. Fairbanks-Morse Kerosene Sprayer on larger outfits. Thoroughly capable of throwing a fine spray with great force for all orchard work. Prices and catalogue on application. You must spray fruit trees, and purchasing a good outfit at first will prove money saved.

MORSE COMPRESSED AIR SPRAYER

—Thoroughly made of the very best materials. Nozzle is solid brass, with self-cleaning point and absolutely tight shut-off. Special patented nozzle gives a fine mist-like, whirling spray, which covers evenly all over, leaving no blank space in center. Holds 4 gallons. Made of heavy galvanized steel or brass, tested to 60 lbs. pressure. If you are going to get a compressed air sprayer, why not get the best? **Morse Galvanized Sprayer, each \$7.50. Morse Brass Sprayer, each \$10.00. Extension rods, \$1.25.** (See cut.)



IDEAL SPRAY OUTFIT. Weight 65 lbs. Price \$26.00.

This outfit is exceptionally well adapted to use around country homes and small orchards. The tank holds 15 gallons and will not slop or spill; it is made of galvanized iron extra heavy. This outfit is always ready; is easy to operate. Pressure of 150 lbs. can be maintained by its special air chamber; has agitator. Get your neighbors together and save your oak trees by spraying with Paris green. Outfit consists of 10 ft. 3/4-in. hose; 8 feet Pipe Extension in two pieces; 1 Brass Shut-off Cock; one Ideal Nozzle; all ready for use and easily carried from tree to tree.



Hayes Wheelbarrow Sprayer. Similar to Ideal outfit. Each \$23.00.

HEAVY BRASS GREENHOUSE SYRINGES

The Morse Garden Syringe. Polished brass 18x1 1/4 inches, fitted with adjustable plunger; one coarse rose, one fine rose, and one jet spray. Best English heavy brass. 18-in. (wt. 2 1/2 lbs.). \$8.00 each; with quick-filling valves, \$8.50.

Ladies' Garden Syringe. Polished brass. 16x1 1/4 inches, coarse and fine spray and jet (weight 2 1/4 lbs.), \$7.00 each.

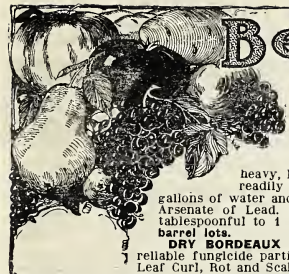
Orchid Syringe No. 1. Polished brass, 18x1 1/4 inches; quick-filling valves; drip protector; one rose and five attachments for making mists (weight 2 1/2 lbs.), \$9.00 each.

IMPROVED BRASS SYRINGE FORCE PUMP (with or without knapsack). This is a heavy brass self-filling force pump. It will throw 20 feet, or make a fine spray a few feet distance. We are enthusiastic about this pump. It works so easily and makes such a fine spray. All brass—nothing to wear out. Can be used with an extension or attached to a galvanized knapsack tank to be carried on one's back. **Syringe, each \$5.50; kna, each only, ea. \$4.50; syringe and knapsack together, \$9.25.**



Better Crops

Death to Orchard
and Vegetable
Pests



Spraying will increase production and greatly improve the quality of fruit and vegetable crops making better markets and higher prices. YOU SELECT SEEDS AND NURSERY STOCK WITH CARE, FERTILIZE AND CULTIVATE TO HELP NATURE IN ITS WORK OF PRODUCTION. IT IS JUST AS IMPORTANT TO SPRAY THOROUGHLY, USING THE BEST MATERIALS. Sherwin-Williams Insecticides and Fungicides give the best protection against insects and fungus troubles.

Sherwin-Williams DRY LIME-SULPHUR—An effective control against scale insects and fungus diseases. It meets Government specifications and displaces the large, heavy, leaky packages of Liquid Lime-Sulfur, saving freight hauling and banding. It dissolves readily in water and does not deteriorate or crystallize. For dormant spraying use 12 lbs. to 50 gallons of water and for summer spraying 3 lbs. to 50 gallons in combination with the usual proportion of Arsenate of Lead. Stone fruits take one-half quantity on summer spraying. For home use put 1 level tablespoonful to 1 gallon. 1 lb. 40c; 5 lbs. \$1.35; 25 lbs. \$4.00; 100 lbs. \$13.50. Write for prices on barrel lots.

DRY BORDEAUX MIXTURE—Sherwin-Williams Fungi-Borde—“The perfect Dry Bordeaux Mixture.” A reliable fungicide particularly valuable for orchard and garden spraying, being effective against Peach Blight, Leaf Curl, Rot and Scab, Asparagus Rust, Potato and Tomato Blight, Leaf Spot, Bean Rust, etc. It stays well in suspension, adheres to the foliage and can be used in combination with Arsenate of Lead or Paris Green. Not available because poisonous. Use 8 lbs. to 50 gallons of water. 1 lb. 40c; 10 lbs. \$3.00; write for prices on larger lots.

“PATCH-HOLE” GREENHOUSE GLAZING CEMENT

The best article which you can use around the glass in your greenhouse is “PATCH-HOLE” GLAZING CEMENT. Most people call this Black Putty, because it is used the same way as putty—that is for the same purpose. It will outlast the best putty three to four times.

Our GREENHOUSE GLAZING CEMENT is most economically and quickly applied with a machine which, by a slight turn of the handle, feeds a stream just the right size to perfectly glaze the house; and remember that where this cement is put it stays. Can also be used to patch roofing, and will not get hard, crack or run. 60-gallon barrels, weight about 600 pounds, per gallon.....\$1.35
40-gallon ½-barrels, weight about 400 pounds, per gallon.....1.40

20-gallon kegs, weight about 200 pounds, per gallon..... 1.50
10-gallon kegs, weight about 100 pounds, per gallon..... 1.75
5-gallon kegs, weight about 50 pounds, per gallon..... 2.00
Glazing Machines, each \$3.50.
(Note: This machine is donated with orders for 60 gallons.)

MASTERS' RAPID PLANT SETTER

For setting out Tomatoes, Cauliflower, Sweet Potatoes, Cabbage, Tobacco, Strawberries, etc. This is the greatest labor-saver ever thought. With it one can set more plants than three men can do by hand, and do it easier and better. This is no toy, but a machine tried out by hundreds of users. Send for illustrated leaflet fully describing the Masters Rapid Plant Setter. Each \$6.00.

STANDARD GARDEN TOOLS

SUPERIOR MADE TOOLS OF
BEST OIL TEMPERED STEEL

Handles are all large bent-over style, easy to grip and to work with.

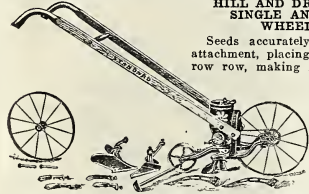
These tools will compete with any of the other well-known makes and prove their worth in comparison, and are sold at cheaper rates. No longer do all your hoeing and seeding by hand, but get a wheel hoe and take all the drudgery out of the work. These tools are so easy to run, and so well made, that they will last. You should own one.

HILL AND DRILL SEEDER, SINGLE AND DOUBLE WHEEL HOE.

Seeds carried, and has special attachment, placing seed in very narrow row, making subsequent cultivation exceptionally

easy. Quickly changed to a cultivator, and has all the attachments shown.

Standard No. 9.
Price \$20.50.



The old easy-running, big-wheel cultivator, and sold at a very low price. A new feature is the Midget Seeder, which can be attached to this wheel.



STANDARD
No. 20
PRICE
\$6.00.

HILL AND DRILL SEEDER AND SINGLE WHEEL HOE.

Standard No. 12. Price \$19.50.

This equipment has just the tools needed for a garden. The entire frame is malleable iron. Very low-priced for a good seeder.

SINGLE WHEEL CULTIVATOR.

Standard No. 22. Price \$9.00.

Equipment consists of three shovels, one pair of steel hoes, and one moldboard plow.

SINGLE AND DOUBLE WHEEL CULTIVATOR.

Wheels are 16 inches high. Tools comprise four cultivating teeth, two hoes, and two plows.

MIDGET DRILL SEEDER

(No. 1)

Price \$5.00.

Will work accurately on even so small a lot as a packet of seed. The Midget can be used only with No. 20 or a cultivator of similar design. This attachment and a Standard No. 20 make a first-rate outfit.



STANDARD

No. 13.

PRICE

\$11.50.



IRON AGE GARDEN TOOLS.

New Model Seed Drill. Extra fine.....\$17.00
No. 306. Combined Double and Single Wheel Hoe and Seeder.....23.80
No. 301. Single and Double Wheel Hoe.....13.25
Other numbers and styles quoted on request. Write for catalogue.

PLANET JUNIOR IMPLEMENTS.

No. 4. Drill Seeder, only.....\$20.25
No. 25. Seeder, Wheel Hoe, Cultivator and Plow.....23.75
No. 16. Single Wheel Hoe, Cultivator, etc.....11.25
Many other tools quoted on request. Send for catalogue.

INOCULATE YOUR SEED

at the time of planting. Full directions come on the bottle.

This applies to **Alfalfa, Clover of all kinds, Peas, Beans, Vetch, Peanuts,** and all leguminous plants.

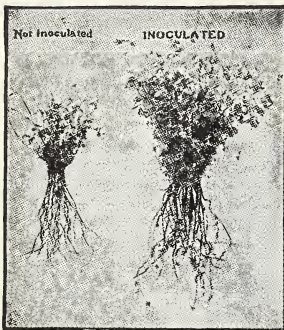
Inoculating seed is no new experiment, but has been demonstrated by numerous experiments that if the plant of the above kinds has bacteria of the proper sort it will draw nitrogen from the air both for its own growth and to remain to fertilize the ground.

Nitrogen is a plant food which is needed by every growing plant. It is one of the expensive items in every fertilizer. For this reason orchardists plant green cover crops during the fall and winter and plow them under, enriching the soil for the orchard. How much is a good inoculated cover crop worth? From \$45 to \$50 with nitrate of soda at present prices per acre.

Nitrate of soda contains 17 per cent nitrogen, or 170 lbs. to 1,000 of the nitrate of soda.

Bacteria can put from 150 to 200 pounds of available nitrogen in each acre where the legumes are properly used and this is worth from \$25 to \$30 per acre, according to the market value of the nitrates. Buy two of the Society's preparations at very low prices. Both of these cultures contain millions of bacteria, pure bred, and sufficient to thoroughly inoculate the land undertaken. Send for leaflet on either Mulford's Bacteria or on Farmogerm.

Why pay more than the prices we ask? If we had to send a man to you to convince you to buy we should have to add his expense to your cost and make a price of perhaps \$2.00 an acre or more. But you can buy two of the Society's preparations at very low prices. Both of these cultures contain millions of bacteria, pure bred, and sufficient to thoroughly inoculate the land undertaken. Send for leaflet on either Mulford's Bacteria or on Farmogerm.



Alfalfa plants grown from seed sown at the same time

Mulford Cultures

FOR LEGUMES

Nitrogen fixing bacteria most carefully prepared by the well-known chemists, H. K. Mulford Co. This firm makes antitoxins for medical requirements, and this culture is prepared with the exact same care and skill. There is no finer product made anywhere.

Be sure and state for what crop this is wanted. We send East especially for these and get them absolutely fresh; but as we are selling such large lots of Alfalfa we will have this in one-acre and five-acre sizes on hand.

Prices f. o. b. Philadelphia: 1/4 acre 50c; 1 acre \$1.50; 5 acres \$5.00; equivalent to prices in San Francisco of 1/4 acre 65c; 1 acre \$1.75; 5 acres \$6.00.

Good for	Alfalfa	Red Clover
	Alsike Clover	Sweet Clover
	Burr Clover	Mellilotus (Yellow Trefoil)

White Clover	Cow Peas	Vetch
Garden Peas	Soy Beans	Peanuts
Canada Field Peas	Garden Beans	Sweet Peas
		State for what crop required.

TRADE FARMOGERM MARK

Farmogerm is a pure culture of the most active nitrogen gathering bacteria. It comes in the form of a jelly, in which the bacteria live. Farmogerm has been tested and tried for years and its efficiency thoroughly proven.

Farmogerm is put up in glass bottles in sizes as follows: Garden Size (about 1/4 acre), 60c; postpaid to Pacific Coast, 65c. 1-acre Bottle, \$2.00; postpaid to Pacific Coast, \$2.10. 5-acre Bottle (cannot be mailed, but must go by express), \$8.00.

FOREIGN NAMES OF VEGETABLES

English	German	French	Spanish	Italian	Portuguese
Artichoke	Artischocke	Artichaut	Alcachofa	Articchoffa	Alcachofa
Asparagus	Spargel	Asperge	Esparrago	Sparagio	Espargo
Beans, Dwarf	Krupp-Bohnen	Haricot Nains	Frijole 6 Porotos nano	Fagiolino nani	Feijao
Beans, Pole	Stangen-Bohnen	Haricot a Rames	Habichuelas enredaderas	Fagiolino rampicanti	Fava
Beet	Salatrüben	Bete-rave	Remolacha betabel	Barbottola	Betababa
Broccoli	Spargelkohl	Chou Brocoli	Broccoli	Broccoli	Broccoli
Brussels Sprouts	Rosenkohl	Chou de Bruxelles	Col de Bruselas	Cavolo di Brusselles	Couve de Bruxelles
Cabbage	Kopfkohl, Kraut	Chou pomme	Col repollo	Cavolo cappuccio	Couve Repollo
Cabbage, Savoy	Wirsing	Chou de Milan	Col de Milan	Col de Milan	Couve de Salsoba
Carrot	Caroten, Mohren	Carotte	Zanahoria	Carota	Cenoura
Onionflower	Blumenkohl	Chou-fleur	Coliflor	Cavolfiore	Couve-flor
Celery	Sellerie	Celeri	Apio	Sedano	Aipo
Celery	Knoll-Sellerie	Celeri-rave	Apio-nabo	Sedano-rapa	Aipo Rabano
Chervil	Kerbel	Cerfeuil	Ferfollio	Cerfolgio	Cerfolio
Chicory	Cichorienwurzel	Chicoree sauvage	Achicoria	Cicoria selvatica	Chicorea Selvagem
Collards	Blatterkohl	Chou cabu	Cabu (Col Sin Cogollo)		Couve verde ou gallega
Corn Salad	Feldsalat	Mache	Canonigos	Valeriana	Herva Benta
Corn	Maiz	Maiz	Maiz	Maiz	Milho
Cress	Garten-Kresse	Cresson alenois	Mastuerzo	Agretto	Mastruco
Cress, Water	Brunnenkresse	Cresson de fontaine	Berro	Nasturzio aquatico	Agroiso d' agua
Cucumber	Gurken	Concombre	Peppino	Cetriolo	Peppino
Dandelion	Lowensahn	Fissaracón	Diente de leon (Amargón)	Diente de leone	Pissenit
Egg-plant	Eierpfanzen	Aubergine	Berenjena	Petronciano	Berenjella
Endive	Endivien	Chicoree Endive	Escarola	Indivia	Endivia
Kale	Blatterkohl	Chou frise	Col Sin Cogollo	Cavolo verde	Couve verde ou gallega
Kohl Rabi	Kohlrabi	Chou-rave	Col Rabano	Cavolo rapa	Couve Rabano
Leek	Porree	Porreau	Calabrazo	Porro	Alho porro
Lettuce	Lattich, Kopfsalat	Laitue	Lechuga	Lattuga	Alface
Melon, Musk	Melone	Melon muscade	Melon	Popone	Melao
Melon, Water	Wasser Melone	Melon d' Eau	Sandia	Melone d' agua	Melanchia
Mushroom	Hefarwurzeln	Champignonbrut	Salsifio	Fungo pratolo	Cercia
Mustard	Senf	Moutarde	Mostaza	Mostarda	Mostarda
Nasturtium	Kapuciner-Kresse	Capucine	Capuchina	Nasturzio	Chagas
Okra	Ocher	Gombaud	Quimbombo (Gombo)	Ocra	Chibas ou Quingombo
Onion	Knoblauch	Chou blanc	Cebolla	Cipollo	Cebola
Parsley	Petersilie	Persil	Perejil	Prezemolo	Salsa
Parsnip	Pastinake	Panais	Chirivia	Pastinaca	Pastinaga
Peas	Erbsen	Pois	Chicorées, Guisantes & Alberjas	Pisello	Ervilha
Pepper	Pfeffer	Piment	Pimiento	Peperone	Pimentas
Pumpkin	Kurbiss	Potiron	Calabaza (Zapallo)	Zucca	Abobora
Radish	Radies	Radis	Rabanito or Rabano	Ravanello	Rabanete
Rhubarb	Rhabarber	Rhubarbe	Rubarbe	Rabarbara	Rubarbo
Salifly	Lieberwurz	Pomme blanc	Salsifio	Salsifio	Salsifio
Spinach	Spinat	Epinard	Espinassa	Spinace	Espinafre
Squash	Kelchen-Kurbiss	Courge	Calabaza 6 Zapallo	Zucca	Abobora
Swiss Chard Beet	Beilskohl	Peiree	Bleda 6 Acelga	Biète	Acelga
Tomato	Lieberwurz, Tomate	Pomme d' Amour	Tomate	Pom. de Amour	Tomate
Tarap	Weisse-Rube	Navel	Nabo	Navone	Nabo
Turip-Ruta Baga	Kohlrübe	Chou-navet	Oñolnabo	Cavolo navone	Couve nabo

MORSE'S NEW DAHLIA-FLOWERED ZINNIAS

The Wonderful New Giant Zinnias

To designate Zinnias as Dahlia-Flowered, we refer simply to size, meaning extra large, both as to the whole blossom as well as the petals. As to color, with its distinctive tones, shades and combinations, the Zinnia needs no partnership. Zinnias never come in sparkling, brilliant hues, but in colors that are always toned off from a glaring brightness.

Thus, with the new Dahlia-flowered Zinnia we get beautiful large flowers in crushed strawberry, burnt orange, soft crimson maroons, ivory, sulphur, terra cotta, crushed raspberry, pinkish lilac, and a long category of tones, with slight but distinguishable variations.

For best results of course the soil needs to be rich, a little shade should be provided during mid-day, and water be applied freely at evening.

When properly grown, it is easy to get blossoms measuring five inches in diameter, and exhibition blooms can be had measuring six inches.

They make a wonderful bedding effect and a large bed devoted to the Dahlia-flowered Zinnia will bring more real joy than anything else in the garden.

New Dahlia-Flowered Zinnias Mixed

The Largest and Finest Zinnia Ever Produced, Per Packet 25c

See the illustration on the outside of back cover.

The lower line of flowers is Marigold, Dwarf French. The Zinnia flowers kept for a month on the bush without fading, making a glorious stretch of color.

ZINNIA, DOUBLE GIANTS

This sort has good large flowers, way ahead of most kinds, and only second to Morse's New Dahlia-Flowered Zinnia, offered above.

CRIMSON	PURPLE	NEW BURNT ORANGE, New Sort, Pkt. 25c.
FLESH PINK	SCARLET	MIXED
GOLDEN YELLOW	WHITE	

Any one of the Double Giants, except Burnt Orange, Per Packet 15c, or two packets for 25c.

GARDEN SEEDS, CLOVERS, GRASSES, TOOLS AND MISCELLANEOUS

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Morse's
New
Dahlia-
Flowered
Zinnias



C·C·Morse & Co.
SEEDS
SAN FRANCISCO · CALIFORNIA · U·S·A