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GERMAIN'S GIANT PRIZE
PANSIES

Germain

- 1913 -

Los Angeles
California

GERMAIN'S LAWN GRASS SEED
CENTRAL PARK-LOS ANGELES

GENERAL INDEX

INDEX—Detailed Index to this catalogue will be found on pages 111 and 112. We have devoted considerable space to this feature in order to help our customers as much as possible.

COVER ILLUSTRATIONS—All subjects treated on our covers are completely described and listed under their proper headings in the body of the catalogue.

ORDERING—Instructions on ordering will be found on page 2 of this catalogue. These are very important and should be read.

REAL ESTATE—You should not fail to read of our important new department on page one.

SPECIALTIES—In order to make our catalogue more comprehensible and to facilitate its perusal by our customers we have departed from the old method employed by seedmen the country over. We have placed our specialties at the head of each subject thus enabling customers to see all we have to offer of any given article without being referred from page to page.

FARM OGERM—The wonderful fertilizer, page 6.

COLLECTIONS—Home Garden, page 5. School Garden, page 4.

VEGETABLE SEEDS—Pages 7 to 33 inclusive.

FIELD SEEDS—Pages 35 to 37 inclusive.

LAWN SEEDS AND FERTILIZERS—Page 39.

FLOWER SEEDS—Pages 41 to 63 inclusive

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Pages 69 to 91 inclusive.

POULTRY SUPPLIES—Pages 92 to 104 inclusive.

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PLANTING TABLES—Vegetable and Field Seeds, pages 33 and 34.

Flower Seeds—Pages 38 and 40.

GRAEF & SCHMIDT,

SOLE AGENTS FOR PROPRIETORS OF THE

TRADE MARK

THE TWINS

J.A. HENCKELS TWIN WORKS,

CUTLERY,

107 CHAMBERS ST

NEW YORK.

SPIDER BRAND

PACIFIC COAST OFFICE: ROOM 424, PHELAN BLDG., SAN FRANCISCO, CAL.

Berkeley, Cal., Oct. 31, 1912.

Germain Seed & Plant Co.,
Los Angeles, Cal.

Gentlemen:—

Would you believe that an amateur gardener could beat the professionals? Well, I did it with your **GIANT ASTERS**. I did everything a professional could not do, and in spite of it I had by far the largest and most beautiful flowers. The size of the blossom was immense, and the colors the talk of the neighborhood.

While I, of course, feel that my talent as a gardener(?) had something to do with this marvelous success, deep down in my heart I know it was the excellent seed from the Germain Seed & Plant Co. which made it possible to raise such splendid specimens. This is the reason I am writing you today.

Very truly yours,
Carl Benzfried.

Testimonial of the Pacific Coast Manager of the world renowned cutlery works. For Asters see page 42.

LOS ANGELES, CALIFORNIA

Remit by above means when possible.
LOOSE MONEY IS NOT SAFE.
 Stamps may be sent for amounts of
 \$1.00 or less.
 Unknown correspondents will please
 send cash or satisfactory city references
 with their orders.

CARRIED FORWARD

(See Over)

REAL ESTATE

TO OUR CUSTOMERS AND FRIENDS:

Owing to the ever increasing number of inquiries received by us from newcomers, investors, farmers, ranchers, homeseekers and others, for farm lands of all kinds, citrus groves, etc., we have established a new department to cover this demand, and to further our seed and plant business by forming, at the outset, favorable business relations with homeseekers from all over the world who may be desirous of purchasing agricultural and other lands.

For owners desiring to sell their holdings, we will list property on a moderate commission basis, and we are preparing a comprehensive system of checking inquiries against listings, so as to give the most complete and satisfactory service to prospective buyers and sellers.

Our commercial standing for forty-two years is a guarantee to all with whom we deal that we will accord them fair, square and equitable treatment.

To handle this department to the best advantage and permit our friends to share in the profits of broader operations, the owners of the Germain Seed & Plant Co., have organized the

GERMAIN FARM LANDS COMPANY

AUTHORIZED CAPITAL \$1,000,000.00. SHARES \$10.00 EACH

Referring particularly to the State of California, it is expected by those whose business and financial relations should render them competent to judge, that tremendous developments will take place on this coast within the near future.

Many large tracts of choice land may yet be had in various fertile districts—real bargains—only requiring subdivision and development to make them valuable, either for investment and turnover or for homes.

We believe that the subdivision and development, under proper management, of farm lands judiciously bought, cannot fail to be profitable. One large tract has already been purchased for this purpose. We hope to add others, as opportunity occurs. We believe that the prices of land will steadily rise. A real bargain, to be controlled, must be bought, and, when bought, to be profitable, must be developed. It takes money to buy right, and it takes money to develop right. Our seed and plant experts, our soil experts, our tremendous advertising facilities, reaching a class of from 50,000 to 75,000 people who are vitally and directly interested in the soil, are available. We believe in this and our money is in it. And more money and more people will make it bigger and better.

We are therefore offering stock of the GERMAIN FARM LANDS COMPANY for sale at par.

Inform yourself in the history of the land values in the Southwest during the past ten and twenty years, and you will readily see that here is an unusual opportunity—an opportunity to purchase stock in a Company that has valuable scientific and business knowledge, the most complete information on all agricultural subjects, and the wonderful resources of the Southwest awaiting development. Can you conceive the fortunes to be made in this development, and the advantage our complete organization offers over individual effort? Carefully consider these advantages, then send us your check and tell us to whom you want the certificate of stock issued.

Very respectfully yours,

Germain Established 1871
SEED & PLANT CO.
326-328-330 SO. MAIN ST.
LOS ANGELES, CALIFORNIA

SPECIALTIES

Germain's

NOVELTIES

A WORD ABOUT OURSELVES

Another year has rolled around and we are presenting this catalogue of the wares we have to sell, more complete and finer in every detail than ever before. Of course we issue this book to sell our goods, and in every plan for its production the thought has been to make it as comprehensive, convenient and attractive in arrangement, text and illustration as is possible.

It is apparent to the most casual reader that to build a business on catalogue sales it is necessary that each item be presented as truthfully and accurately as words and pictures will avail. To that end we have used more photographic reproductions and the compilation of the text has involved many checking and revisions.

Recently we have entirely remodeled our city store in Los Angeles, and the twenty thousand dollars expended has given us the finest and most efficient seed store room in America, if not in the world. It will be our home for many years to come and it is our pride to show our customers over the premises.

It has ever been our policy to keep abreast of the times and of the demands and convenience of our customers. This year we are installing a new department for the handling of Real Estate—Farm Orchard and Agricultural Lands. And we can assure you that the conduct of this department will be along the same lines of fair dealing that have made our name famous throughout the land.

As has been the policy of the house for forty-two years, we again say that we want you to be a satisfied customer. Your complaint will be welcomed, for it is through other eyes we must look for the faults that have escaped our attention.

Finally, we look for your order, whether it is a ten cent packet or a ton of alfalfa seed. Surely there is something in these thousands of items that you will buy. If you are in doubt about varieties, quantity culture, or other detail, ask us for expert advice.

Cordially yours,

Established 1871

SEED & PLANT CO.

326-328-330 SO. MAIN ST.

LOS ANGELES, CALIFORNIA

Important Suggestions--Read Before Ordering

MISTAKES AND MISUNDERSTANDINGS WILL BE AVOIDED IF YOU WILL
CAREFULLY READ THE FOLLOWING:

WRITE PLAINLY. When Ordering write your Full Name very plainly, giving Post Office, Express Office or Freight Depot as case may be, to which you wish the goods sent. If an order wherein we have been given the full and correct address is lost in the mails, we will replace same, but if lost through faulty directions given us, we cannot duplicate it free. When shipments are made by express or freight, our responsibility ceases after we have obtained a clear receipt from the transportation companies.

SEND MONEY. Remittance should always accompany the order, and may be sent at our risk by Post Office Order, Express Money Order or Registered Letter. Two cent stamps will be accepted in amounts up to one dollar. All mail orders for Mexico or other foreign points should be registered.

C. O. D. ORDERS must be accompanied by a remittance equal to one-fourth the amount of the order. We cannot send C. O. D. orders for amounts of \$1.00 or less.

SEEDS BY MAIL. Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

To orders for Mexico figure 12 cents per pound.

PLANTS. All plants will be sent by express at the purchaser's expense, unless otherwise ordered. Packages not exceeding four pounds may be sent by mail. When express charges are prepaid there is a special rate of eight cents per pound to any part of the United States. It is advisable, therefore, when ordering plants, to send enough money to cover mail or express charges. **NO PLANTS SENT C. O. D.**

OUR NURSERY STOCK is strictly first class in every particular and free from disease and insect pests. An inspector's certificate to that effect accompanies all shipments.

ORDER EARLY. It is important that you order as soon after receipt of this catalogue as convenient. You will then be sure of having your seeds when you want them. Orders are filled as received in rotation; you can help us maintain our quick service by ordering early.

LARGE AND SMALL ORDERS. Dealers and truck gardeners using seeds in large quantities will save money by writing us for prices. Small Buyers will find their order for one packet handled with the same care and promptness as a larger purchase.

GUARANTEE. Look carefully for the cause before making a complaint. Success depends as much upon the proper planting, soil, water, weather, etc., as upon the seeds. Every possible care is taken in the selection of the seeds we offer, but no warranty, expressed or implied is given, either as to name, description, or other matter. If the purchaser does not accept the seeds on these terms and conditions, they must be at once returned.

VIEW OF OUR TRIAL GROUNDS AND FLOWER SEED FARM

TWO VIEWS

On this page we are showing you two views. While they possibly look commonplace enough on paper, they are of the utmost significance in that they further demonstrate the wide-awake and progressive spirit of the Germain Seed & Plant Co.

The upper picture shows the Victor Johansen Seed Company's seed farm at Arroyo Grande, Cal. The Victor Johansen Seed Company is an old and well established seed growing firm, the only firm in the United States devoting itself entirely to the growing of flower seed. They are specialists along this line. By a happy and favorable arrangement with the Victor Johansen Seed Company, the Germain Seed & Plant Company controls the entire output of this concern, thereby virtually itself growing such flower seeds as grow to perfection in California. By the same favorable arrangement our seed tests are made at this farm.

The picture below shows an interior view of the retail store of the Germain Seed and Plant Company, the largest and most perfectly equipped store in the United States, and, in fact, in the world. The store has been recently remodelled to meet modern conditions, and the thorough practicability and cleanliness of both the fixtures and the store-room itself, which have earned for it the name of the "WHITE STORE," testify to the methods of the management and the quality of the goods they offer.

GENERAL VIEW OF OUR RETAIL STORE, 326-328-330 S. MAIN ST., LOS ANGELES

Germain's has always stood for progress, and we are not a little proud of the part we have had in encouraging the school garden. In all parts of the country the educational value of this branch of nature study has become recognized by the leading educators, and within reach of this catalogue many flourishing gardens have been made possible through these offers. These low prices are made strictly for schools, and orders must be signed by the principal or teacher in charge.

Experience has taught us that larger collections are wanted than we published last year. To that end the following combinations have been selected for the flower and vegetable gardens.

In order to further encourage this good work we will give a cash prize of \$10.00 for the best picture of a school garden grown from these seeds.

This contest will close July 1, 1913. Pictures should be mailed to Germain's School Garden Dept. The name of the school and principal, and person sending should be written on the back of the photograph.

Collections

COLLECTION A, 50c. REGULAR PRICE 75c.

1 pkg. Beans	1 pkg. Cabbage	1 pkg. Lettuce	1 pkg. Sweet Peas (Mixed)
1 " Corn	1 " Carrots	1 " Musk Melon	1 " Poppy
1 " Beet	1 " Radish	1 " Water Melon	1 " Daisy
	1 " Cucumber	1 " Cosmos	1 " Forget-me-not

COLLECTION B, \$1.00. REGULAR PRICE \$1.40.

2 pkgs. Beans	2 pkgs. Lettuce	1 pkg. Sweet Peas, Mixed
1 " Corn	1 " Musk Melon	1 " California Poppy
1 " Beet	1 " Water Melon	1 " Daisy
1 " Cabbage	1 " Squash	1 " Forget-Me-Not
2 " Carrots	2 " Turnip	1 " Cosmos, Mixed
2 " Radish	2 " Spinach	1 " Shirley Poppy
1 " Cucumber	1 " Nasturtium, Tall	1 " Nasturtium, Dwarf

COLLECTION C, \$1.50. REGULAR PRICE \$2.60.

2 pkgs. Beans	2 pkgs. Musk Melon	1 pkg. English Daisy
2 " Corn	2 " Water Melon	1 " California Poppy
1 " Beet	2 " Squash	1 " Pansy, Mixed
1 " Cabbage	2 " Turnip	1 " Shirley Poppy
2 " Carrot	2 " Peas	1 " Sunflower
3 " Radish	2 " Spinach	1 Sunset Collection Sweet Peas
2 " Cucumber	1 " Cosmos	1 pkg. Casad's Improved Musk Melon
2 " Lettuce	1 " Dwarf Nasturtium	(See description page 20)

NOTICE.—We have had a great many inquiries for our catalogue to be used as references and guides. We will be pleased to mail any reasonable number to help you in your School Garden Work.

VEGETABLE

Germain's

SEEDS

Germain's HOME GARDEN COLLECTIONS

The amateur gardener, not familiar with the different kinds, will find these collections a simple solution of the problem of selection. While the prices of collections are much lower than the regular list, we use only seeds of the highest quality, but being enabled to put them up during leisure time, the saving goes to the buyer. No changes will be made in the assortment. Orders can be filled immediately on receipt.

SMALL VEGETABLE GARDEN, PRICE 50 CENTS PREPAID

1 pkt. Beet	1 pkt. Cucumbers	1 pkt. Watermelon	2 pkt. Radish (long and turnip)
1 pkt. Cabbage	1 pkt. Lettuce	1 pkt. Onion	1 pkt. Tomato
1 pkt. Cauliflower	1 pkt. Peas	1 pkt. Parsley	1 pkt. Turnip
1 pkt. Carrot	1 pkt. Muskmelon	1 pkt. Parsnip	

MEDIUM VEGETABLE GARDEN, PRICE \$1.00 PREPAID

1/2 lb. Peas, Early	1 pkt. Cauliflower	1 pkt. Egg Plant	1 pkt. Onion
1/2 lb. Peas, Late	1 pkt. Carrot	1 pkt. Kohl Rabi	1 pkt. Parsley
1/2 lb. Beans, String	1 pkt. Celery	1 pkt. Leek	1 pkt. Pepper
1/2 lb. Beans, Wax	1 pkt. Sweet Corn	1 pkt. Lettuce	1 pkt. Pumpkin
1 pkt. Beet	1 pkt. Cucumber	1 pkt. Muskmelon	1 pkt. Turnip
1 pkt. Cabbage	1 pkt. Corn Salad	1 pkt. Watermelon	2 pkts. Radish, Long and Turnip
			1 pkt. Tomato

LARGE VEGETABLE GARDEN, \$2.50 PREPAID

1 lb. Peas, Early	1 oz. Carrot, Danvers	1 oz. Lettuce, Curled	2 oz. Radish, Long
1/2 lb. Peas, Late	1 pkt. Celery	2 pkts. Muskmelon	2 oz. Radish, Turnip
1 lb. Beans, String	1/2 lb. Sweet Corn	1 pkt. Watermelon	1 pkt. Rhubarb
1/2 lb. Beans, Wax	2 pkts. Cucumber	1 pkt. Mustard	1 pkt. Squash
1 oz. Beet	1 pkt. Corn Salad	1 pkt. Onion, White	1 pkt. Tomato, Early
1 pkt. Brussels Sprouts	1 pkt. Egg Plant	1 pkt. Onion, Yellow	1 pkt. Tomato, Late
1 pkt. Cabbage, Early	1 pkt. Kohl Rabi	1 oz. Parsley	1 oz. Turnip, White
1 pkt. Cabbage, Late	1 pkt. Kale, Tall Scotch	1 oz. Parsnip	1 pkt. Turnip, Yellow
1 pkt. Cauliflower	1 pkt. Leek	2 pkts. Pepper	1 pkt. Sage
1 oz. Carrot, Long	1 oz. Lettuce, Head	1 pkt. Pumpkin	1 pkt. Thyme

GERMAIN'S COUNTRY HOME COLLECTION, PRICE \$5.00

Sent by Express prepaid free to any express office in the U. S. or Mexico. This includes a copy of "Practical Farming and Gardening," a standard book which sells for \$2.00 retail.

1 lb. Peas, Impd. Yorkshire Hero	1 oz. Cucumber, White Spine	1 oz. Pumpkin, Mammoth Tours
1 lb. Peas, Amer. Wonder	1 oz. Cucumber, Long Green	2 oz. Radish, Scarlet Turnip
1 lb. Beans, 6 Weeks	1 pkt. Egg Plant, New York	2 oz. Radish, French Breakfast
1 lb. Beans, Golden Wax	1 pkt. Endive, Green Curled	1 oz. Radish, White Icicle
1 lb. Beans, Ky. Wonder	1 pkt. Kale, Dwarf Curled	1 pkt. Salsify, Sandwich Island
1 oz. Beet, Eclipse	1 oz. Lettuce, Big Boston	1 oz. Spinach, Prickly
1 oz. Beet, Edmund Blood Turnip	1 oz. Lettuce, Iceberg	1 oz. Spinach, Round
1 pkt. Brussels Sprouts	1 oz. Muskmelon, Rockyford	1 oz. Squash, Hubbard
1 pkt. Cabbage, Winnigstadt	1 pkt. Muskmelon, Hackensack	1 pkt. Squash, White Bush
1 pkt. Cabbage, Succession	1 pkt. Watermelon, Germain's Chilian	1 pkt. Tomato, Beefsteak
1 pkt. Cabbage, Drumhead	1 pkt. Okra, White Velvet	1 pkt. Tomato, Stone
1 oz. Carrot, Long Orange	1 oz. Onion, New Queen	1 oz. Turnip, Purple Top Strap Leaf
1 oz. Carrot, Danvers	1 pkt. Onion, Red Wethersfield	1 oz. Turnip, Golden Ball
1 pkt. Cauliflower, Snowball	1 pkt. Onion, Yellow Danvers	1 pkt. Sage
1 pkt. Celery, Golden Self-blanching	1 oz. Parsley, Moss Curled	1 pkt. Thyme
1 lb. Sweet Corn, Stowells	1 oz. Parsnip, Hollow Crown	1 pkt. Sweet Marjoram
1 lb. Sweet Corn, Early Mammoth	1 pkt. Pepper, Mexican Chili	1 Book, "Practical Farming and Gardening," Selling Price \$2.00
1 pkt. Corn Salad	1 pkt. Pepper, Sweet Mountain	

FERTILIZE WITH AIR

ALFALFA

Undoubtedly the most profitable forage crop grown on the Pacific slope. This crop absolutely depends upon the bacteria upon its roots. They are as necessary as the sunshine. All alfalfa seed should be inoculated with Farmogerm at time of sowing. The success in growing this crop depends upon inoculation, drainage and seed bed. The soil transfer method for inoculation for alfalfa should be positively avoided.

HAY SPRINGS RANCH

Chino, Cal., June 13, 1912.

GERMAIN SEED & PLANT CO.,
Los Angeles, Cal.

Dear Sirs:

In reply to your request I will say that of five hundred pounds of alfalfa seed, I sowed one-fourth to one-half an acre without inoculation and the difference is very great. The inoculated field on the first cutting gave double the amount of hay, and the roots are loaded with nodules of Bacteria. The soil is a mattress of roots or feeders and the two alfalfas standing side by side show a great difference. I will never sow any alfalfa seed without it being inoculated properly.

Yours very truly,

(Signed) JULES E. TISSOT.

P. S.—I have been raising alfalfa for over thirteen years.

CAFE BRISTOL

Los Angeles, Cal., June 27, 1912.

GERMAIN SEED & PLANT CO.,
Los Angeles, Cal.

Gentlemen:

I wish to thank you very much for inducing me to use Farmogerm on the Alfalfa Seed I purchased from you. It has certainly been a great money maker for me.

As you know, I inoculated one-half of the seed I obtained from you. I carefully compared the tonnage I received off the two acreages, and found the inoculated seed easily produced twice the tonnage that the uninoculated did. Farmogerm certainly did the work, and I would be only too glad to recommend it to anybody you might refer to me.

Yours very truly,

(Signed) WM. SCHNEIDER.

The use of cover crops as a fertilizer and a means of adding humus to the soil has become established among the most progressive orchardists. The value of legumes in adding available nitrogen to the land is recognized in every line of husbandry, and the fruit grower has found the addition of humus a great saving in irrigation.

Hand in hand with the increasing use of cover crops has come the development of the nitrogen gathering bacteria, which has reached its highest point of commercial success in "Farmogerm." This product is most easily applied to the seed before planting, the result being an enormous increase in the foliage and nitrogen nodules of the crop. Many planters report an increase of three hundred per cent in tonnage, which is all returned to the soil through the decomposition of the plant.

VETCH. The most widely grown cover crop in California, depends entirely upon the little bacteria that form little sacks or nodules on the roots, these sacks containing the valuable nitrates which are so costly in commercial fertilizer. Properly inoculated and grown, vetch will deposit 1200 pounds of nitrates to the acre. The soil transfer method which has in the past been used to some extent, is both costly and dangerous—weed seed, soil and plant diseases are transferred in this manner.

Los Angeles, Cal., July 22, 1912.

GERMAIN SEED & PLANT CO.,
Los Angeles, Cal.

Gentlemen:

Answering your request regarding the results I obtained in the use of Farmogerm on my vetch seed, I find that after carefully making a test as per instructions given by you, I found the following results.

I took a bunch of roots from my field, washed them carefully, took the same amount of roots from my neighbor's field, who did not inoculate his vetch, and found that my vetch contained at least 60% more nodules. The top growth is of such a nature that it was pretty hard to tell just the increase I had over that of my neighbor, except by the fact that it took four horses attached to my plow to turn my crop under, while I noticed my neighbor turned his under with two. I expect to plant vetch this year in my orchard and you shall have my order for Farmogerm.

Yours very truly,

(Signed) I. H. RICE.

FARMOGERM

Specify Variety of Seed You Wish to Inoculate

PRICES { 5 Acre Size Bottle \$9.00
1 Acre Size Bottle 2.00
Garden Size Bottle .50

SEND FOR COMPLETE BOOKLET, FREE

ALFALFA FROM ADJOINING FIELDS WITHOUT AND WITH INOCULATION

COVER CROPS

PEAS BEANS

SWEET PEAS

Peas, Beans and Sweet Peas are wonderfully benefited by inoculation. They bear earlier, longer and better when so treated. Farmogerm inoculations are indorsed by farmers, Federal and State Agricultural Experiment Stations, and private estates, and we strongly advise the use of this standard inoculation whenever you plant legumes.

Long Beach, R. F. D., May 23, 1912.
GERMAIN SEED & PLANT CO.,
Los Angeles, Cal.

Gentlemen:

I have just one version to testify as to the merits of "Farmogerm," which I am now using on my sixty acres of beans at Newport, that is: I don't like to give away the secret of my successful crops.

Your motto "Farmogerm makes poor crops good crops, and poor soil good soil," is no stretch of the truth.

Yours very truly,

(Signed)

MRS. WEBSTER WOTKYNs.

LAWNS

Use white clover seed treated with Farmogerm; for white clover it will prove of great value when mixed with the grass seed, as the bacteria on the clover roots will produce nitrates to benefit both the clover and grass.

Oak Bluffs, Mass., Aug. 30, 1911.

Yours of July 17th, also bottle of Farmogerm received.

I used it on one pound of white clover seed, then mixed that with one package Franklin Park Lawn Grass seed, which is the ordinary lawn grass seed used in New England. The soil here is sand. In building here I had saved the top soil; this was spread over the lawn ground, giving about one inch of this. Then I used about twenty-five pounds of fertilizer raked in, and sowed the seed as above on July 22d. I kept it sprinkled with hose every day and in five days it showed plainly. Yesterday I cut it the second time and have the handsomest lawn in Oak Bluffs and the best one seen by anyone who has examined it, though it had only been started about two months.

WM. F. PAGE.

SOY BEANS, COW PEAS AND BURR CLOVER

are becoming very prominent, owing to their great yields of rich forage crops, and their power to enrich the soil. Their power depends entirely upon the bacteria upon their roots. These bacteria are entirely distinct from each other, each kind living upon its particular legume, but they all work in the same way and all are necessary to the life of the legume upon which they grow. The development of the plant is dependent upon the activity of the bacteria upon its roots. Farmogerm is a culture of these pure living active bacteria delivered to you in bottles ready for use. You can inoculate seed for ten acres in ten minutes.

Los Angeles, Cal., June 7, 1912.

GERMAIN SEED & PLANT CO., Los Angeles, Cal.
Gentlemen:

I wish to write a few lines to you, giving you the results obtained from the use of Farmogerm in connection with Burr Clover. I purchased enough Farmogerm to inoculate one-half of my Burr Clover Seed. I was careful to see that both the inoculated and the uninoculated were planted under similar conditions. It was not well taken care of during the growing season, but just before plowing it under I examined the inoculated and the uninoculated, and while the growth on top of the ground did not seem to be any greater, by inspecting the roots I found that the inoculated contained, without exaggeration, at least 100% more nodules, and that was what I was after.

I certainly will inoculate my vetch which I expect to plant this year.

Yours very truly,

(Signed) GUSTAVE HEIMANN.

VEGETABLE *Germain's* SEEDS

THE CITY MARKET AT LOS ANGELES

It is a conservative statement to say that seventy-five per cent of the produce handled in this busy market is grown from Germain's seeds.

VEGETABLE SEEDS ARTICHOKE

Alcachofa

Artischoke

Artichaut

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

Germain's

LARGE GREEN GLOBE. The favorite garden

Pkt | Oz. | 1/4lb | 1lb.

variety.

\$ 10 | \$ 35 | 15 | \$ 3 50

Plants of large Green Globe Artichoke, see page 70.

ASPARAGUS

Esparrago

Spargel

Asperge

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

NOTE: By planting two year old roots, much time and labor will be saved. See prices of roots on page 70.

ARGENTEUIL. The favorite in the Paris markets, and exceedingly popular wherever grown in the United States. The stalks grow to an enormous size, cook tender, of delicious flavor.

Pkt | Oz. | 1/4lb | 1lb.
\$ 10 | \$ 15 | 50 | \$ 1 25

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

Pkt | Oz. | 1/4lb | 1lb.
05 | 10 | 30 | 1 00

SNOWHEAD. A tender, fine-flavored and productive variety, having the advantage over other kinds in that it does not discolor when exposed to the sun's rays. Large white stalks.

10 | 25 | 80 | 2 50

COLUMBIA MAMMOTH, BARR'S MAMMOTH AND CONO-VER'S COLOSSAL

05 | 10 | 25 | 85

PALMETTO ASPARAGUS

GIANT STRINGLESS GREEN POD BEAN

VENTURA WAX BEAN

BEANS

DWARF OR BUSH

Frijole

Bohne

Haricot Nain

N. B. Prices on one-half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Beans for the home garden should be a continuous summer crop, and sowings may be made from the middle of March to September. Plant two inches deep and two feet apart. Have drills one and one-half to two and one-half feet apart, according to variety; directions will be found on individual packets for the respective sorts. The average amount needed to plant an acre is fifty pounds. One pound will sow one hundred feet of drill. They will thrive in any good soil. Best results will be obtained by inoculating the seed. See page 6.

GREEN POD

BLACK VALENTINE. Hardy and very productive. Pods flat. Alater variety than Red Valentine. Recommended for shipping.

BURPEE'S STRINGLESS GREEN POD. An early-maturing, round, fleshy podded variety of fine quality. Pods straight, brittle and entirely stringless.

CANADIAN WONDER. Handsome flat pods of great length and very tender. Hardly any variety can approach it in flavor. Best variety for winter use.

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

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

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

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

GIANT STRINGLESS GREEN POD. A decidedly favorite sort and Germain's claim the credit of introducing this valuable addition to the bean family. In the South-west many people prefer this large bean (often six inches long) to the regular size. Very early, tender and absolutely stringless.

LONG YELLOW SIX WEEKS. Very early and productive; one of the best market varieties; tender and of fine flavor.

Pkt	1 lb.	10 lb.	100 lb.
05	\$ 25	1 25	11 00

05	25	1 25	11 00
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05	25	1 25	11 00
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05	25	1 25	11 00
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05	25	1 20	10 00
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05	25	1 20	10 00
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05	25	1 20	10 00
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05	25	1 20	10 00
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10	35	2 00	12 00
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05	25	1 20	10 00
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WAX OR YELLOW-PODDED

IMPROVED GOLDEN WAX. One of the best strains of Golden Wax. Hardier, more prolific, of better quality, pods longer, straighter and thicker than the original Golden Wax.

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

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

VENTURA WONDER WAX. Entirely distinct; fine flavor.

05	25	1 25	11 00
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05	25	1 25	11 00
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05	25	1 25	11 00
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05	25	1 25	11 00
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05	25	1 25	11 00
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05	30	1 30	12 00
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POLE, OR RUNNING BEANS

Frijole de Bejuco

Stangenbohne

Haricot a Rames

N. B. Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

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

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

CREASEBACK. Very early pole snap. Pods grow in clusters.

CUT SHORT. An old variety pole bean, sometimes known as "Cornhill," from the fact that it is quite often planted with corn and allowed to climb up the stalk. Pods are short, round, tender.

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

KENTUCKY WONDER OR OLD HOMESTEAD. A vigorous grower, wonderfully productive. The pods, in great clusters, are long and tender.

KENTUCKY WONDER WAX. Similar to above, yellow pods of a rich, buttery flavor as a snap bean; also a good white shell bean for winter. Of the finest flavor.

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

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

WHITE KENTUCKY WONDER. A novelty of recent introduction, possessing all the qualities of its green-pod namesake.

Pkt	1 lb.	10 lb.	100 lb.
25			

05	25	1 20	10 00
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05	25	1 20	10 00
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05	25	1 20	10 00
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05	25	1 25	11 00
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05	25	1 20	10 00
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05	30	1 75	15 00
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05	25	1 25	11 00
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05	25	1 20	10 00
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05	25	1 20	10 00
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10	40	2 00	
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05	25	1 25	11 00
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GERMAIN'S
SEEDS
RECOMMEND

FORDHOOK BUSH LIMA BEAN

You will be Interested in
PAGE ONE
Of this Catalogue

HALF DWARF PARIS BRUSSELS SPROUTS

BEANS LIMA BEANS

Germain RECOMMENDS

FORDHOOK BUSH LIMA BEANS

The old fashioned name of "butter bean" given to lima beans can be best appreciated when eating this delicious variety fresh from your own garden. There are from three to five beans in each pod, which grows in clusters of from two to five on long spikes, which makes the picking easy where the beans are eaten green. The bush is a vigorous grower, reaching a height of two feet, erect and strong. Germain's has long recognized the Fordhook as a splendid variety and this year succeeded in getting a stock of seed which could be placed among the specialties, which means the buyer is getting absolutely the best. Price Packet 10 cents; one pound 35 cents; ten pounds, \$1.75; one hundred pounds, \$14.00.

Germain	BURPEE'S BUSH LIMA. Splendid dwarf Lima: large and of excellent quality.	Pkt	11b	10lb	100lb
		05	25	1 20	10 00
Germain	BURPEE'S IMPROVED BUSH LIMA. The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans, which are unusually thick, of largest size and excellent quality.	10	35	1 75	14 00
	FORDHOOK BUSH LIMA. See specialty above.				
	HENDERSON'S BUSH LIMA. A dwarf variety of the Sieva or Southern Lima; produces enormous crops.	05	30	1 50	12 00
Germain	KING OF THE GARDEN LIMA. A vigorous grower, bearing profusely; large pods, five to eight inches. Beans large and of rich flavor.	05	25	1 20	10 00
	LARGE LIMA. A standard variety, unsurpassed as a green or dried shell bean. Later than King of the Garden.	05	25	1 20	10 00

BROAD BEANS

Germain	ENGLISH, OR BROAD WINDSOR. The celebrated broad bean of England, growing on a strong stalk two feet high; beans eaten shelled.	Pkt	11b	10lb	100lb
		\$ 05	\$ 25	1 00	7 50

INEXPENSIVE BEAN FERTILIZATION

Beans of all kinds respond most readily to fertilization by inoculation. We call your special attention to the testimonial of Mrs. Webster Wotkyns, of Newport, Cal., as to results obtained through the use of Farmogerm on beans. Be sure to read page 6. Results are enormous—the cost two dollars and less per acre.

BROCCOLI

Brocoli **Spargelkohl** **Brocoli**
CULTURE—Sow any time except hottest months and transplant to rows two to three feet and plants eighteen inches apart in row. Water freely, as a dry spell will permanently check the growth, and weeds should be kept down by thoroughly stirring the soil.

	PURPLE CAPE. Produces fine heads of purplish-brown color.	Pkt	Oz.	1/4lb	1 lb
	WHITE CAPE. Heads of medium size, compact, of creamy-white color.	\$ 05	\$ 30	\$ 85	\$ 3 00
Germain		05	30	85	3 00

BRUSSELS SPROUTS

Berza de Bruselas **Rosenkohl** **Chou de Bruxelles**
CULTURE—Sow in September and October and treat same as Cabbage, which see for cultural directions.

Germain	HALF DWARF PARIS MARKET. A half-dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality.	Pkt	Oz.	1/4lb	1 lb
		05	15	50	1 50

VEGETABLE *Germain's* SEEDS

CROSBY'S EGYPTIAN BEET

GERMAIN'S CHAMPION YELLOW GLOBE

BEETS TABLE BEETS

Remelacha **Rothe Ruebe** **Betterave**
CULTURE—Sow in any month in the year, in drills eighteen inches apart and thin three or four inches apart in the row. Keep well watered and soil moist, free from weeds and well stirred. The young beets pulled out of the row are excellent used as spinach.

Germain RECOMMENDS

CROSBY'S EGYPTIAN BEET

Among all the table beets there is probably no other which has been so often featured by seed houses, where a first class stock of seeds could be obtained. A good purchase by one of our buyers causes us to put the Germain mark of approval on this variety this year by placing it among our specialties. Many experienced growers say "Crosby's Egyptian is the only beet worth planting," and while this may be somewhat of an exaggerated opinion, we will unhesitatingly recommend this lot of seed as being the best that money can buy. Crosby's Egyptian is a medium sized beet, very early and of small top. It grows smooth and the deep crimson flesh is sweet and tender. Price, Packet 5 cents; ounce 15 cents; $\frac{1}{4}$ pound 50 cents; pound \$1.50.

	Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
BASSANO. Early, flat, light color, fine quality.	05	15	50	1 50
<i>Germain</i> BASTIAN'S EARLY RED. Early, large, fine turnip form and bright red color, zoned with lighter rings. Profitable for market, or home garden. An old favorite.	05	15	50	1 50
CROSBY'S EGYPTIAN. See specialty above.				
EDMUND'S BLOOD TURNIP. A market-gardener's strain, of great regularity in shape, deep blood skin and very dark flesh of best quality.	05	15	50	1 50
EXTRA EARLY ECLIPSE. Very early, round-rooted and dark red.	05	15	50	1 50
EXTRA EARLY EGYPTIAN. Very early, of dark blood color, rather flat shape.	05	15	50	1 50
<i>Germain</i> LONG BLOOD. A splendid variety of fine flavor and of long, symmetrical shape.	05	15	50	1 25
SWISS CHARD, OR SILVER. Cultivated for its leafstalks, which are served up like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced.	05	15	45	1 25

STOCK BEETS

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow from October to May on well cultivated deep, rich soil in drills twenty-four to thirty inches apart. Eight pounds will sow an acre. Invaluable for stock feeding.

	Pkt	1 lb	10lb	100lb
<i>Germain</i> CHAMPION YELLOW GLOBE. Its shape and yield makes it one of the best varieties grown; easily harvested.	05	60	4 50	
<i>Germain</i> GIANT HALF SUGAR MANGEL. A distinct type of beet, producing roots of enormous size of the highest feeding value. It is a cross between a mangel and sugar beet; olive shaped.	05	60	4 50	
<i>Germain</i> GOLDEN TANKARD. Rich yellow color, sweet flavor and yields heavy crops of fine-shaped roots. One of the best milk-producing sorts.	05	60	4 50	
<i>Germain</i> IMPROVED MAMMOTH LONG RED. Our stock is a great improvement on the old variety. The roots are very large, uniformly straight and well formed; color deep red; roots solid; tops small; produce an immense bulk and tonnage.	05	60	4 50	

Special Prices.

SUGAR BEETS

These varieties are also excellent for stock feeding.

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

	Pkt	1 lb	10lb	100lb
LANE'S IMPROVED IMPERIAL. Probably more largely grown than any other sugar beet for feeding to stock. It will yield as much as mangel and contains a large per cent. of sugar.	05	60	4 50	
KLEIN WANZLEBEN. This splendid sugar beet is one of the greatest milk producing roots known; in shape conical, straight and even, large at the head and rapidly tapering. Every stock raiser should plant this fine sort.	05	60	4 50	
<i>Germain</i> VILMORIN'S IMPROVED WHITE. A much improved variety of the White Silesian, extensively cultivated as a sugar-producing beet; very valuable.	05	60	4 50	

Write for

EARLY WINNIGSTADT CABBAGE

Want a Farm?

We can sell you a farm to suit your requirements. We are experts in our line and we are reliable. Consult our

Land Department

Be sure to read Page One.

CHINESE CABBAGE

CABBAGE

Col Repollo

Kopfkohl

Chou Pomme

CULTURE—Sow in September and October for early crops, broadcast in beds. Transplant to rows three or four feet apart and twelve to eighteen inches apart in row, the early sorts requiring the least room. Seeds for a succession of crops should be sown each month. Cabbage of all sorts require a deep, loose, rich soil, kept moist at all times and well cultivated. A check in growth results in immature headings and later care will not remedy previous neglect. Quality in cabbage seed is of the utmost importance, as no satisfactory results can possibly be obtained from poor seed; one ounce will produce 2000 plants.

Cabbage plants, see page 70.

RECOMMENDS

EARLY WINNIGSTADT CABBAGE

Hundreds of carloads of this variety of cabbage are shipped out of Southern California every year—reason enough why we should search for the most perfect strain for our leader in cabbage seed. It grows a solid head, yet of tender texture, and has shown the most wonderful shipping qualities. The type has become so well established that Winnigstadt is standard among many buyers, and our selection this year merits the variety a place among our specialties. Early Winnigstadt is not only an early cabbage, but can be rotated through the season, and is withal the most nearly ideal variety that we have known. Price, packet 10c; ounce 20c; ¼lb. 60c; lb. \$2.00.

POINTED, OR OBLONG VARIETIES

	Pkt	Oz.	¼lb	1 lb
EARLY WINNIGSTADT. See specialty above.				
EARLY YORK. An old favorite, with solid, pointed heads.				
Standard English sort.....	05	15	60	1 50
SELECTED EARLY JERSEY WAKEFIELD. A favorite sort.				
Heads very compact, solid and conical shape, few waste leaves.....	10	20	60	2 00

FLAT, OR ROUND HEAD VARIETIES

	Pkt	Oz.	¼lb	1 lb
ALLHEAD EARLY. Very early cabbage of the large early sort, and cannot be recommended too highly; remarkably uniform.	05	15	50	1 50
COPENHAGEN MARKET CABBAGE. The earliest large round-headed cabbage yet introduced. Leaves medium light green, nearly round, thick and smooth. The heads are round, very solid and of exceptionally good quality. We recommend it unreservedly both for the home garden and market garden.	15	70	2 30	7 00
DANISH BALLHEAD OR HOLLAND. The hardest round-headed variety in cultivation. The best for winter keeping.	10	45	1 25	4 50
DRUMHEAD SAVOY. Fine quality.	05	20	60	2 00
ETAMPES. Fine small, extra early variety with pointed heads.	10	45	1 25	4 00
FOTTLER'S BRUNSWICK. This is a good second early variety, short stemmed, heads solid and compact, weighing from ten to fifteen pounds each, and is sure to head.	05	20	60	2 00
HENDERSON'S SUCCESSION. An excellent second-early sort on style of All-Seasons.	05	20	60	2 00
IMPROVED EARLY SUMMER. A superior second-early sort, produces large and solid heads of fine quality.	05	20	60	2 00
LARGE LATE DRUMHEAD. A standard winter cabbage.	05	20	60	2 00
MARBLEHEAD MAMMOTH DRUMHEAD. The largest sort, often weighing from fifty to sixty pounds.	05	20	60	2 00
SELECTED ALL-SEASONS. One of the finest for second-early or late, growing to a large size quickly.	05	20	60	2 00
SELECTED EARLY FLAT DUTCH. Very hardy, handsome, very solid, of fine quality, and as one of the very best keepers, it is particularly desirable for distant markets or for late spring use. Compact growing, with long stems and exceedingly hardy in resisting cold and dry weather.	05	20	60	2.00
SELECTED LATE FLAT DUTCH. A low-growing variety; heads large, bluish green, round, sound, broad and flat on top; an excellent fall and winter variety; good keeper.	05	20	60	2 00
SUREHEAD. One of the best main crop cabbages.	05	20	60	2 00

CHINESE CABBAGE

(Follow Cultural Directions on Lettuce.)

CHINESE—Occidental races have always been slow to absorb anything from the Chinese, but it is surprising that so few people have learned to appreciate the value of the Chinese Cabbage, a type that has been maintained for hundreds of years by that race. It is largely grown for Chinese consumption, and it only remains for Americans to find out its merits to make it popular. It is tender, crisp, blanches itself perfectly, and is equally good raw or cooked. **Packet 10 cts.; ounce 75 cts.**

RED CABBAGE

	Pkt	Oz.	¼lb	1 lb
RED DRUMHEAD. Used for pickling. Large, very solid, color deep red.	05	20	60	2 00
RED DUTCH OR PICKLING. Fine, solid, dark red heads.	05	20	60	2 00

VEGETABLE *Germain's* SEEDS

CARROTS

Zanahoria

Moehre

Carrotte

CULTURE—Sow any time in deep, loose soil, preferably sandy loam about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times.

The carrot is one of the most wholesome and nutritious of our garden roots, deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. For feeding stock, especially horses and milch cows, the carrot cannot be surpassed, and it should be more largely grown by farmers for this purpose. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.

Germain RECOMMENDS

OXHEART, OR GUERANDE, CARROTS

The common tendency of carrots to grow woody or pithy is least noticeable in this improved and popular strain. This variety may be left in the ground longer than any other without developing these depreciating qualities. The Oxheart is a short carrot growing about 4½ inches long and about 3½ inches thick at the shoulder, with a slight taper to the stump rooted bottom. For this reason it is especially desirable for heavy soils, which also grow the best carrots. The flesh is a bright orange, smooth grained and sweet, and it is equally fine for table use or stock feeding. We were obliged to omit this variety from our specialties last year, but our selection of this season puts it among the stocks which we can guarantee. Price, packet 5 cents; ounce 15 cents; ¼ pound 50 cents; pound \$1.50.

OXHEART CARROT

IDLE CAPITAL

If you have any capital that isn't doing what it should do, you will be interested in our enterprises and should read the announcement we make on

Page One

	Pkt	Oz.	¼lb	1 lb
EARLY CHANTENAY. This is the best early carrot grown for market gardeners. Six inches long, stump rooted, smooth, deep red, fine grained and sugary; not apt to crack.	\$ 05	\$ 15	\$ 50	\$ 1 50
<i>Germain</i> EARLY FRENCH FORCING. The earliest variety, largely grown for forcing; globular-shaped root of orange-red color.	05	15	50	1 50
EARLY SCARLET, OR SHORT HORN. One of the most popular varieties for table use; color deep orange.	05	15	50	1 50
<i>Germain</i> IMPROVED DANVERS HALF LONG. A first-class carrot for all soils; in form midway between Long Orange and Short Horn. Of a rich, dark orange color, very smooth and handsome; twenty to thirty tons per acre is not an unusual crop.	05	15	50	1 50
IMPROVED LARGE WHITE BELGIAN. Very productive; for stock-feeding exclusively; grows one-third out of ground. Roots white; green above ground.	05	10	35	1 00
IMPROVED YELLOW BELGIAN. Same as White Belgian, excepting in color.	05	10	35	1 00
IMPROVED LONG ORANGE. A well-known standard sort; roots long, thickest near the crown, tapering regularly to a point; color deep orange. Suitable for the table and main field crop.	05	15	50	1 50
OXHEART OR GUERANDE. See Specialty above.				

CAULIFLOWER

Coliflor

Blumenkohl

Chou-fleur

CULTURE—Sow early varieties after July 1; late varieties in the spring, in deep, loose soil, broadcasted, and transplant to fifteen inches apart in rows two and a half to three feet apart, and give careful culture and watering at all times, as checked growth brings poor results. One ounce of seed will produce 2000 plants.

Cauliflower Plants, see page 70.

EXTRA EARLY ERFURT. Remarkably sure heading, early variety, of dwarf habit; similar, though not as early as Snowball.

Germain **GERMAIN'S DRY WEATHER CAULIFLOWER.** Admirably adapted for the arid regions of the Southwest. Heads large as Snowball and almost as early; solid, pure white and of excellent quality.

HALF EARLY PARIS, OR NONPAREIL. One of the best and good for either early or late.

Germain **HENDERSON'S EARLY SNOWBALL.** A variety held in great esteem by market gardeners for its earliness and reliability as a sure header.

LARGE ALGIERS. A splendid late variety, eminently adapted for growing in Southern California; heads large, white, solid. One of the best for market gardeners. Our stock is extra fancy. Plant in this vicinity in May.

LENORMAND'S SHORT STEMMED. A compact grower, very hardy, heading late, and producing many protecting leaves.

VEITCH'S AUTUMN GIANT. A large, late sort of robust habit; heads compact, large outer leaves. Succeeds well in southern latitudes.

GERMAIN'S DRY WEATHER CAULIFLOWER

CELERY

Apio

Sellerie

Celeri

CULTURE—Sow from February to May in drills one foot apart. Later, usually in June, transplant to rows four feet apart and six inches apart in row. Rows should be furrowed out so plants may be set six inches deep. Later soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants.

BOSTON MARKET. One of the best of the white varieties; Pkt Oz. 1/4 lb 1 lb
early and hardy..... 05 15 50 1 50

CHINESE GREEN TOP. The best "Green Top" variety grown; largely grown by Chinese gardeners..... 05 30 80 3 00

GIANT PASCAL. Stalks very large, thick, solid, crisp and of a rich, nutty flavor; blanches easily and quickly..... 05 20 60 1 20

GOLDEN DWARF. The best of the half-dwarf varieties; the heart is golden yellow, turning to a light color when blanched; very solid, rich flavor and a good keeper..... 05 15 50 1 50

GERMAIN'S GOLDEN SELF-BLANCHING, CALIFORNIA STOCK. Similar to the French Stock; seed raised in California from selected plants..... 05 60 1 75 6 00

GOLDEN SELF-BLANCHING, FRENCH STOCK. The favorite and most popular celery on the market..... 25 3 00 10 00 30 00

GERMAIN'S WHITE PLUME. We offer a choice strain of this valuable and popular variety. Unsurpassed for fall and early winter use, requiring very little earthing up to blanch..... 05 30 85 3 00

CELERICAC

CELERICAC, LARGE SMOOTH PRAGUE. Forms turnip-shaped bulbs having celery-like flavor..... Pkt Oz. 1/4 lb 1 lb
\$ 05 \$ 20 \$ 60 \$ 2 00

CHAYOTE

CULTURE—Plant fruit in the open ground after it has sprouted, covering with four inches of earth and protect from frost. Water sparingly until vine is about twelve inches high; then gradually increase until hot weather, when it will require copious watering.

CHAYOTE. A delicious vegetable vine, fine for Pergolas, some vines bearing from 1000 to 1500 in one season. Large sized, pear shaped fruit, which is used like squash, but is of much finer flavor. Growing season from November 1 to February. 25c Each

CHERVIL

Perifollo

Kerbcl

Cerfeuil

CULTURE—Sow any time except hottest months, and transplant to rows twelve or more inches apart and twelve inches apart in row. No special care required, as only leaves are used for garnishing and flavoring.

GERMAIN'S CURLED. Used for flavoring soups and stews; also for salads and garnishing..... Pkt Oz. 1/4 lb 1 lb
\$ 05 \$ 10 \$ 35 \$ 1 00

CHICORY

Achicoria

Cichorie

Chicoree

CULTURE—Sow any time except hottest weather, though early spring is preferable, in rows eighteen inches apart and three or four inches apart in row. A deep-rooting plant requiring little care if soil is moist.

COMMON OR WILD. Used in Barbe de Capucin, a salad popular in France..... Pkt Oz. 1/4 lb 1 lb
\$ 05 \$ 15 \$ 35 \$ 1 00

LARGE-LEAVED FRENCH. A splendid variety for salads..... 05 15 35 1 00

LARGE-ROOTED MAGDEBURG. The prepared roots are used as a substitute for and to mix with coffee..... 05 15 35 1 00

GERMAIN'S WITLOOF. Sow in drills, thin out to six inches apart, treat as Endive until end of summer, when it should be banked up like celery. The blanched stalks are used as a salad. It is also used as a boiled vegetable, dressed the same as cauliflower..... 05 15 35 1 00

CHIVES

Cebollete

Schnittlauch

Ciboulette

CULTURE—Sow in rich loam soil, in drills; cover lightly pressing soil firm to seed. Plants, see page 70.

CHIVES. The leaves of this plant can be shorn off whenever desired and are most excellent for giving a mild onion flavor to salads and soups. Also used as edging for garden beds, one sowing lasting about three years..... Pkt. 1/4 oz. Oz.
\$ 10 \$ 30 \$ 1 00

COLLARDS

CULTURE—The same as for Cauliflower.
TRUE GEORGIA. The well known large variety; grows four to five feet high; forms large, loose head; leaves purplish..... Pkt Oz. 1/4 lb 1 lb
\$ 05 \$ 10 \$ 30 \$ 1 00

CRESS, OR PEPPER GRASS

Mastuerzo, Berro

Kresse

Cresson

CULTURE. Sow in rich soil in cool, shady place in drills one foot apart. Must be well and frequently watered.

FINE CURLED. Used as salad, has warm, pungent taste..... Pkt Oz. 1/4 lb 1 lb
\$ 05 \$ 10 \$ 25 \$ 0 75

WATER CRESS. Always in demand in city markets..... 10 35 1 00 3 50

WHITE PLUME CELERY

LARGE LEAVED FRENCH CHICORY

CORN SWEET OR SUGAR

Maiz Mais Mais

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow in spring in rows two to three feet apart, and from eight to twelve inches in row. Soil should be rich, deep and moist, and intensive culture given at all times. For a succession of crops, sow every two or three weeks until August. A warm soil and exposure should be chosen for early crops.

Germain

RECOMMENDS

OREGON EVERGREEN CORN

For another year we have secured the entire crop of Oregon Evergreen Corn from one of the most prominent seed farms, and again offer it as a specialty with the Germain recommendation. We could doubtless sell a great deal more of this variety if we would buy the seed in the open market and sell at a lower price, but we have found that Germain customers appreciate the best, and are willing to pay the slight difference in price for a strictly high grade strain. You must have it on your table to appreciate its juicy sweetness, richness and tenderness. It grows to a medium height, produces bountifully, and, as its name implies, can be rotated from the earliest to the latest. Owing to the tight and thin husk, Oregon Evergreen is almost entirely free from worms. Packet 10 cents; pound 30 cents; 10 pounds \$1.25; 100 pounds \$10.00.

OREGON EVERGREEN CORN

ADAMS EXTRA-EARLY. One of the earliest varieties; small cob and quite dwarf in growth.	Pkt	1lb	10lb	100lb
ADAMS LARGE. Similar to Early Adams. Kernels slightly larger. For late crops sow in July and early August.	\$ 05	\$ 25	\$ 1 00	\$ 9 00
BLACK MEXICAN. The sweetest, richest and tenderest of all sweet corn. Turns black only when too old for table use.	05	25	1 00	9 00
COUNTRY GENTLEMAN. The best for private use. Small white cob densely covered with splendid white grains of delicious flavor. Ears average eight to nine inches. Stalks six feet high, three or four ears to each.	05	30	1 25	10 00
CROSBY'S EARLY. Early, sweet and productive.	05	25	1 00	9 00
EARLY MAMMOTH. Produces the largest ears of any variety of early sweet corn.	05	25	1 00	9 00
EARLY MINNESOTA SWEET. One of the earliest, with ears of suitable size for market purposes.	05	25	1 00	9 00
EXTRA EARLY CORY. One of the earliest varieties.	05	25	1 00	9 00
GOLDEN BANTAM. A very early and hardy dwarf variety.	10	30	1 50	12 00
LATE MAMMOTH. Produces larger ears than any other sweet corn, yet is rich and sweet. Productive and popular; a little later than Evergreen.	05	25	1 00	9 00
OREGON EVERGREEN. See specialty above.				
PREMO SIXTY-DAY. This is a fine sugar corn; hardy and can be planted fully as early as the Early Adams. The stalks grow about five feet high, and mostly bear two well-developed ears. Fine quality, very sweet and delicious.	05	30	1 25	10 00
STOWELL'S EVERGREEN. The standard sort for main crops everywhere. Ears large, deep-grained, exceptionally tender and sugary; remains tender and eatable longer than any other variety. A general favorite with canners and market gardeners for late use.	05	25	1 00	9 00
WHITE MEXICAN. An early sweet corn of very rich and excellent flavor. Stalks about four and one-half feet high; ears eight inches long, usually eight rowed; about the same season as Crosby's Early and of better quality than any other variety of equally large size. Our stock is far superior to much that has been sold under this name.	05	30	1 25	8 00

IOWA SILVER MINE

LEAMING

CALIFORNIA LANDS

Will never show any greater promise than they do right now. They must increase in value between now and the opening of the Panama Canal. The wise and provident man takes advantage of such opportunities. Will you? See Page One.

CORN—FIELD

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof. Prices listed are subject to market changes.

<i>Germain's</i>	CULTURE		Pkt	1lb	10lb	100lb
<i>Germain's</i>	CHAMPION WHITE PEARL. This stalk is short and thick. The ear grows low on the stalk, from seven to twelve inches in length, almost parallel throughout, of medium size, averaging sixteen rows of grain.		05	20	50	3 50
<i>Germain's</i>	EARLY MASTODON. The largest yellow corn grown. It has been known to yield over 200 bushels to the acre. The ears are even in size, cob small, with deep yellow grains. A vigorous grower and sure to give satisfaction.		05	20	50	3 50
<i>Germain's</i>	HICKORY KING. This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn.		05	20	50	3 50
	IOWA GOLD MINE, IOWA SILVER MINE.		05	20	50	3 50
	KING OF THE EARLIES, KING PHILIP.		05	20	50	3 50
<i>Germain's</i>	LEAMING. One of the best medium early varieties in the market. The ears are large and handsome, with deep, large grain; orange-yellow color, and small red cob; very productive; shells very easily.		05	20	50	3 50
	MINNESOTA KING. Exceedingly popular in the Northwest. Cob small, but covered to top with large beautiful yellow grains.		05	20	50	3 50
	PRIDE OF THE NORTH. One of the best sorts. Ears have from fourteen to sixteen rows; color light orange.		05	20	50	3 50
	WISCONSIN WHITE DENT.		05	20	50	3 50

CORN—POP

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

<i>Germain's</i>	CULTURE		Pkt	1lb	10lb	100lb
	QUEEN'S GOLDEN. A large-eared and handsome yellow pop-corn; grains are large, pop perfectly white and are exceedingly tender. About six feet high, and yield three or four ears to the stalk.		.05	.20	1.20	8.00
<i>Germain's</i>	WHITE RICE. A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches in length and from one to one and a quarter in diameter.		05	25	1 20	8 00

CORN—ENSILAGE

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Usually thickly sown in drills, but occasionally broadcasted and rarely mixed with other cereals for silage crop. Sow seventy to eighty-five pounds per acre.

RED COB ENSILAGE. A pure white corn on a red cob. Sweet, tender, juicy, has short joints and produces abundant foliage. Every dairy farmer should grow this sort; produces large crops. . . \$ 05 \$ 20 \$ 50 \$ 3 50

CORN SALAD

Canonigos **Feldsalat** **Mache**
CULTURE—Requires the same care as lettuce and put to same uses; also cooked as a substitute for spinach. Sow any month in year.

<i>Germain's</i>	FETTICUS, OR LAMB'S LETTUCE.	Pkt	Oz	1/4lb	1lb
		05	10	30	1 00

DANDELION

Amargon **Kuhblume** **Pissenlit**
Requires no special care, but loves rich, moist soils, whether grown for greens or for roots, the latter being used in place of chicory to mix with coffee.

<i>Germain's</i>	COMMON VARIETY IMPROVED. Large-leaved.	Pkt	Oz.
		05	20
		10	50

VEGETABLE *Germain's* SEEDS

CUCUMBERS

Pepino Gurke Concombre

CULTURE—Sow for early crops in March, and for succession, monthly to September. In frostless locations, September sowing will bring winter crop. Sow six to ten seeds in hills four to six feet apart and pull out all but three strongest plants. Best soil is a light, sandy, rich one, retentive of moisture. One ounce will plant fifty hills; two pounds will plant one acre.

Germain RECOMMENDS

DAVIS PERFECT CUCUMBER

A grand new variety. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, slim and symmetrical, with an average length of ten to twelve inches. They hold color till nearly ripe, when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Price packet 10 cents; ounce 15 cents; $\frac{1}{4}$ pound 40 cents; pound \$1.25.

DAVIS PERFECT CUCUMBER

<i>Germain</i>	ARLINGTON WHITE SPINE. A strain improved through careful selection. Two weeks earlier than the ordinary White Spine.	Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
	BOSTON PICKLING, OR GREEN PROLIFIC. One of the best pickling varieties; dark green; also excellent for slicing.	05	15	35	1 25
	CUMBERLAND. The vines are hardy, of strong, vigorous growth, and fruit freely. The young cucumbers are of even size and regular form, thickly set with small spines, and are very attractive for making gherkin pickles.	05	10	30	1 00
	EARLY FRAME. Popular for both table and pickling purposes. Growth vigorous, vines very productive, fruit medium size.	05	15	35	1 25
	EARLY GREEN CLUSTER. A very popular early cucumber, producing its first fruit in small clusters near the root of the plant. Its usual length is about five inches; skin prickly; flesh white, tender and well flavored.	05	10	30	1 00
	EARLY RUSSIAN. One of the earliest in cultivation, resembles the Early Frame, but is smaller and shorter.	05	10	30	1 00
	EARLY WHITE SPINE. One of the best for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor.	05	15	35	1 25
	EXTRA LONG WHITE SPINE. A selected strain of the White Spine. Is very uniform in size and exceedingly early; makes long growth—ten to twelve inches. The variety for forcing and early market.	05	15	35	1 25
	EVERGREEN. This cucumber differs from Early White Spine in retaining a deep green color at all stages of its growth. It is long, very productive, and matures early. A general favorite for table use, market, or pickling.	05	15	35	1 25
	GARDEN LEMON. Gets its name from its shape. Very early and exceedingly popular in the Los Angeles market. A fine shipper. Every home garden should include this variety.	10	25	75	2 50
	GIANT PERA. Early, and one of the most productive long cucumbers. The fruit is straight and cylindrical, with a smooth skin. Flesh white, clear, crisp, tender, of excellent flavor.	05	10	30	1 00
	JAPANESE CLIMBING. While all cucumbers are running vines this variety is much more so. It also quickly climbs on poles or trellises. It is entirely distinct. Quality is splendid. Well adapted for pickling as well as for slicing for salads.	05	10	30	1 00
	KLONDIKE. A splendid variety of the White Spine family; very early.	05	15	35	1 25
	LONG GREEN. Long and crisp; well-known and popular.	05	15	35	1 25
	NICHOL'S MEDIUM GREEN. One of the best general-purpose cucumbers, the young fruit being very symmetrical in shape, deep in color, very crisp; for slicing there is none better.	05	10	30	1 00
	WEST INDIA GHERKIN. Oval-shaped; prickly; for pickling only.	10	25	75	2 50

ENGLISH FORCING, OR FRAME VARIETIES

Superior in every way to the American varieties. Single specimens average twenty-four inches in length. Fruit is crisp and tender, with very few seeds, which makes the price high. They are grown in Europe in the greenhouse, but can be successfully raised out-of-doors in Southern California.

<i>Germain</i>	IMPROVED TELEGRAPH. Unquestionably one of the best winter cucumbers; the best for forcing.	Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
	LOCKIE'S PERFECTION. A remarkably productive variety, bearing fruits fifteen inches in length, perfect models in shape, and of high quality.	25			

KLONDIKE CUCUMBER

EGG PLANT

Berengena

Eierpflanze

Aubergine

GERMAIN'S NEW YORK IMPROVED EGG PLANT

CULTURE—Sow seed on hot bed, cold frame, or box, in warm place. Seedlings are slow to germinate and soil must be light and sandy, mixed with leaf mould, if obtainable, and drainage must be good. Transplant deeply, in rich soil, not too early, so as to be checked by late frosts. A hot weather plant, and if first sowing fails, make another at once. One ounce of seed will produce 2000 plants.

Plants, see page 70.

BLACK BEAUTY

Germain

RECOMMENDS

NEW YORK IMPROVED EGG PLANT

No greater delicacy ever came from the garden than the egg plant, and none of this delicious vegetable has ever been brought to such a state of perfection as Germain's strain of the New York. It is an early variety of the large, oval-shaped, deep purple kind that tastes surprisingly like oysters when fried, and is of an indescribably delicate and alluring flavor when stewed. This variety is a great producer, fifty to sixty pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness, and has taken its place as the standard for quality among the egg plants. Packet 10 cents, ounce 40 cents, ¼ pound \$1.25, one pound \$4.00.

Germain

BLACK BEAUTY.		A handsome, extra early, large			
variety		Pkt	Oz.	¼ lb	1 lb
and fine grained		10	\$ 60	1 75	\$6 00
BLACK PEKIN.		An early variety, fruit round, purplish black			
variety		Pkt	Oz.	¼ lb	1 lb
and fine grained		10	35	1 00	3 50
EARLY LONG PURPLE.		An early, hardier variety, with			
variety		Pkt	Oz.	¼ lb	1 lb
club-shaped, dark purple fruit six to eight inches long, a shape		05	25	75	2 50
preferred by some for slicing; flesh firm					
NEW YORK IMPROVED.		See specialty above.			

VEGETABLE *Germain's* SEEDS

ENDIVE

Escarola o Endivia Endivie Chicoree

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow any time of year, but if in hot weather, in a cool, half-shaded position. When plants are three inches high, transplant to rows one foot apart each, or thin in seed rows to ten inches apart. After plants are well grown, gather up leaves and tie at tips into a loose bunch to make inner ones white, crisp and tender. This vegetable is highly esteemed as a salad. One ounce of seed will sow a bed of about eighty square feet, or 150 feet of rows.

Germain **BROAD-LEAVED BATAVIAN.** Leaves broad, nearly plain, light green; best for soups. Pkt | Oz. | ¼ lb | 1 lb
FRENCH MOSS CURLED GREEN. Moss-like appearance, beautifully curled. 05 | 15 | 40 | 1 25

FRENCH MOSS CURLED ENDIVE

GARLIC

Ajo Knoblauch Ail

CULTURE—Plant bulbets in rows one foot apart and four inches apart in row, at any time of year available. Deep, rich soil is preferred. Bulbets will keep fresh for at least one year.

GARLIC SETS. Per pound 25 cts. postpaid; one hundred pounds, market price.

HERBS

POT, SWEET AND MEDICINAL

5 cents per packet; 50 cents per dozen packets.

A well assorted selection of the various kinds of herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Care should be taken to harvest on a dry day just before they fully blossom.

ANGELICA GARDEN (Archangelica officinalis).

ANISE (Pimpinella anisum).

BALM (Melissa officinalis).

BASIL SWEET (Ocymun basilicum).

BORAGE (Borage officinalis).

CARAWAY (Carum carui).

CATNIP (Nepeta Cataria).

CORIANDER (Coriandrum sativum).

CUMIN (Cuminum cyminum).

DILL (Anethum graveolens).

FENNEL, SWEET (Foeniculum vulgare).

HOREHOUND (Marrubium vulgare).

HYSSOP (Hyssopus officinalis).

LAVENDER (Lavendula vera).

MARJORAM, SWEET (Origanum Majorana).

ROSEMARY (Rosmarinus officinalis).

RUE (Ruta graveolens).

SAFFRON (Carthamus tinctorius).

SAGE (Salvia officinalis).

SAVORY, SUMMER (Satureja hortensis).

SAVORY, WINTER (Satureja montana).

TANSY (Tanacetum vulgare).

THYME, BROAD-LEAVED (Thymus vulgaris).

WORMWOOD (Artemisia absinthium).

KALE, OR BORECOLE

Breton Blaetterkohli Chou Vert

CULTURE—Sow and treat same as cabbage, but June sowing brings best results for the tall sorts. Transplant to rows two and one-half to three feet apart, with plants eighteen inches apart in rows. One ounce of seed will produce about 2000 plants.

Germain **DWARF CURLED, OR GERMAN GREENS.** Very hardy, excellent for spring use. Pkt | Oz. | ¼ lb | 1 lb
05 | 10 | 35 | 1 00

Germain **GREEN CURLED SCOTCH.** The kind most commonly used; grows to a height of eighteen inches; spreads to three feet in diameter; leaves bright green and curled. 05 | 10 | 35 | 1 00

Germain **JERSEY, OR TREE KALE.** Of vigorous growth, grown for chickens and stock only. 05 | 10 | 35 | 1 00

THOUSAND-HEADED KALE. Fine for stock and chickens. 05 | 10 | 35 | 1 00

KOHLRABI

Colinabo Kohlrabi Chou-rave

CULTURE—A crop like cabbage, and should receive similar treatment in every respect. One ounce of seed will produce about 2000 plants.

EARLY PURPLE VIENNA. Very hardy; bluish purple. Pkt | Oz. | ¼ lb | 1 lb
05 | 20 | 60 | 2 00

Germain **EARLY WHITE VIENNA.** Flesh white and tender; very productive. 05 | 20 | 60 | 2 00

LEEK

Puerro Lauch Poireau

CULTURE—Sow at any time in drills one foot apart and one-half inch deep, in light, rich soil, liberally manured; thin the plants to ten inches. One ounce of seed will sow about 100 feet of drill.

LARGE MUSSELBURG. A standard Scotch variety. Pkt | Oz. | ¼ lb | 1 lb
05 | 20 | 60 | 2 00

Germain **LONDON FLAG.** A large and strong plant; hardy. 05 | 20 | 60 | 2 00

MONSTROUS CARENTAN. A superior variety, with distinct, dark colored leaves. 05 | 20 | 60 | 2 00

VEGETABLE *Germain's* SEEDS

LETTUCE

Lechuga

Salat

Laitue

CULTURE—May be sown every month in the year. To obtain the best results, the plants should be grown rapidly, therefore the soil should be made as rich and friable as possible by frequent cultivation and a liberal application of stable manure. Sow either in beds and then transplant when two inches high, or sow in drills and thin to one foot apart for heading varieties, and let the rows be eighteen inches apart. Hoe often to prevent going to seed. One ounce of seed will produce about 3000 plants.

Germain RECOMMENDS

LOS ANGELES MARKET LETTUCE

It is ten chances to one that when one buys lettuce in the local market, it is the Los Angeles Market Lettuce. It is also largely shipped to

San Francisco and more northern points and sold in the markets under its name. Customers once growing it come in and ask for "seed of that big, hard-headed lettuce." After stripping off the outer leaves, there remains a shapely head as large and hard as a small cabbage, and with an interior nearly as white, yet more crisp and tender, with the most delicate true lettuce flavor of any sort grown. No expense has been spared to make this strain pure year after year. Highly recommended. Price, pkt. 10c; oz. 20c; 1/4 lb. 50c; 1 lb. \$1.75.

LOS ANGELES MARKET LETTUCE

CABBAGE OR HEADING VARIETIES

	Pkt	Oz.	1/4 lb.	1 lb.
BLACK SEEDED BUTTER. Medium size of splendid quality; head firm and globular, sweet and buttery.	\$ 05	\$ 10	\$ 30	\$ 1 00
BLACK SEEDED TENNISBALL. A splendid and delicately flavored variety of butter type, firm, round heads.	05	10	30	1 00
<i>Germain</i> BIG BOSTON. A most desirable large variety. For outdoor planting it is unsurpassed, as it does very well under great variations of temperature; leaves broad, smooth, thin, of a light green color. Heads solid.	05	10	30	1 00
CALIFORNIA CREAM BUTTER. A fine summer variety; grows slowly and keeps well.	05	10	30	1 00
DEACON. Has few waste or outside leaves, grows very solid, and of a delicious buttery flavor. The center of heads blanch to a bright yellow shade; crisp, tender, a fine summer variety.	05	10	30	1 00
DENVER MARKET. A Cabbage heading variety, medium large; slow to run to seed.	05	10	30	1 00
DRUMHEAD. Quality excellent; of buttery flavor, medium large, slow to seed, good substance.	05	10	30	1 00
ICEBERG. A beautiful lettuce, worthy of universal cultivation; leaves curly, bright green; heads unusually solid.	05	15	35	1 25
IMPROVED HANSEN. Very large, sweet, tender and crisp.	05	15	35	1 25
LOS ANGELES MARKET. See Specialty above.				
MAY KING. Extra large, round solid heads, light green outside, with clear yellow heart; splendid forcer.	05	10	30	1 00
<i>Germain</i> NEW YORK. The pride of the Los Angeles market. By far the most profitable lettuce grown. It is shipped from here in carloads, as far as Colorado. Exclusively used by the best Los Angeles hotels. Hardy, uniform size, wavy leaved and blanches beautifully. Crisp, tender, of just the right flavor, it never fails to please. We have gone to great expense to secure the best and we list it with our strongest recommendation.	05	15	35	1 25
<i>Germain</i> PARIS WHITE COS. An excellent variety; large, crisp, tender and of fine flavor; resists warm weather and is the best Cos lettuce. Known also as Romaine Cos.	05	15	35	1 25
PERFECTED SALAMANDER. One of the leading head varieties in cultivation, especially adapted for summer purposes; solid heads of light green color, with delicious buttery flavor.	05	10	30	1 00
WHITE SUMMER CABBAGE. Compact, globular head, medium size; of decided butter flavor and sweet.	05	10	30	1 00
<i>Germain</i> WONDERFUL. A splendid variety for market or home use and the best sort adapted for fall sowing. A strong grower, making fine heads.	05	15	35	1 25

CURLED OR LOOSE LEAVED VARIETIES

	Pkt	Oz.	1/4 lb.	1 lb.
<i>Germain</i> BLACK-SEEDED SIMPSON. One of the best; leaves are large, thin and exceedingly tender.	05	10	30	1 00
EARLY CURLED SIMPSON. A popular early sort; forms large, loose heads.	05	10	30	1 00
GRAND RAPIDS. The most popular variety for greenhouse planting; quick growth.	05	10	30	1 00
<i>Germain</i> PRIZEHEAD. Large, loose-headed sort; leaves tinged with brown; very heavy.	05	10	30	1 00

BLACK SEEDED BUTTER LETTUCE

BIG BOSTON LETTUCE

VEGETABLE *Germain's* SEEDS

IMPROVED HYBRID CASSABA

CASSABA MELON

CULTURE—Sow in June, July and August. Otherwise follow cultural directions on Muskmelons.

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

GENOA. A late variety of oblong shape; skin dark green with whitish marking; flesh pale green, nearly white, of excellent flavor, and fine aroma. An Italian melon, in which country it is largely grown and highly esteemed for its fine qualities.

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

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

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

WHITE AFRICAN. A delicious melon. This melon must be harvested before it is ripe.

WHITE'S FAVORITE. A delicious summer variety; earlier than other cassabas.

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

Pkt	Oz.	1/4 lb	1 lb
05	10	30	1 00
10	30	1 00	3 00
10	25	75	2 50
10	25	75	2 50
10	25	75	2 50
10	30	1 00	3 00
10	30	1 00	3 00
10	20	60	2 00

CASAD'S IMPROVED MUSKMELON

The last two seasons we introduced to a limited number of our customers this distinctly new muskmelon grown by R. C. Casad, of Covina, Cal. Never doubting for a moment the immediate success of the novelty we induced Mr. Casad to further perfect his selection, with the result that we unhesitatingly offer the Casad's Improved Special as among the few best melons ever produced. Our assertion that this is the most wonderful melon ever introduced has been proven in the immense sales. It cannot be mistaken for a selected muskmelon or cassaba, having distinct characteristics of both. It is oblong in shape, medium netted, a buff-yellow, very thick, smooth, close-grained flesh, having a spicy aroma and a flavor bordering on that of a pineapple. The vines are wonderfully productive and the melons run evenly in size.

PRICE, packet 25 cents,
ounce 40 cents, 1/4 pound
\$1.25, one pound \$4.00.

Mr. Casad in his
Melon Patch

MUSKMELONS

Melon Almirazleno

Cantalupen

Muscade

CULTURE—Sow from March to July, according to climatic conditions, in hills six feet apart each way; some prefer six to eight feet. If sown early, twenty seeds should be planted to a hill; later planting requires less. Cover about one inch deep. Thin out to three or four of the strongest plants in each hill. Before plants are up, scatter ashes, old plaster or tobacco dust on top of hill to keep away insects from young plants. A light, warm soil is preferable, though they may be grown in any. One ounce of seed will plant about 100 hills.

GREEN FLESHED VARIETIES

	Pkt	Oz.	1/4 lb	1 lb
<i>Germain</i> BURRELL'S THOROUGHbred ROCKY FORD CANTALOUPE. This is considered an improvement on the Rocky Ford; our seed is selected with the greatest care.....	\$ 05	\$ 15	\$ 50	\$1 50
CHAMPION MARKET. This is the most prolific, flesh green and deep. Fine flavor. Fruit nearly round, ribbed and heavily netted.....	05	15	40	1 25
CHICAGO MARKET. Large green fleshed nutmeg, good quality; ends flattened, rind heavily netted; flesh thick and sweet.....	05	15	40	1 25
<i>Germain</i> EDEN GEM CANTALOUPE. This is one of the finest melons to grow, either for market or home use. It is immensely prolific, twenty to thirty perfect melons to a vine being common. The skin is heavily netted, flesh light green and of excellent quality.....	05	20	50	1 75
<i>Germain</i> EXTRA-EARLY HACKENSACK. Very popular sort, producing large, handsome, extra early melons of best quality. It is some two weeks earlier and almost as large as the famous New Jersey Hackensack; fruit nearly round, deeply ribbed and very coarsely netted. The flesh is green and most delicious.....	05	15	35	1 25
GREEN FLESH OSAGE. Osage quality, light green flesh.....	05	15	35	1 25
IMPROVED WATTER'S SOLID NET. A splendid early variety largely grown by market gardeners, medium sized fruit, heavily laced netting, slightly ribbed; flesh light green, sweet and fine flavor.....	05	20	60	2 00
JENNY LIND. Small, round, flat fruits, deeply ribbed; flesh yellowish-green and of unsurpassed flavor, very productive.....	05	15	40	1 25
LARGE HACKENSACK. Large fruit covered with coarse netting; thick green flesh, sweet and fine flavored.....	05	15	40	1 25
LONG ISLAND BEAUTY. Fruits of large size, well flattened, heavily ribbed and netted; of handsome appearance and fine quality. This variety ripens as early and is superior to the Hackensack.....	05	15	40	1 25
MODEL. Early and very prolific; flesh green, thick and fine flavor; oblong in shape, ribbed and finely netted. Splendid market variety.....	05	15	50	1 50
MONTREAL MARKET. A very large, green nutmeg type, almost round, heavily netted; thick, luscious flesh, late and especially adapted to cool climates.....	05	15	40	1 25
<i>Germain</i> PINEAPPLE CANTALOUPE. Large size, early, flesh green and rich flavor. Excellent shipper and a prime favorite with all.....	05	15	40	1 25
PROLIFIC NUTMEG. Thick green flesh, fine flavor.....	05	15	40	1 25
ROCKY FORD. Regular and even in size, weighing about one and one-half pounds, slightly oval in shape, finely netted, flesh is light green in color and of delicious flavor. The seed we offer was saved by one of the best melon growers in the country and is strictly first-class.....	05	10	30	1 00

SALMON FLESHED VARIETIES

	Pkt	Oz.	1/4 lb	1 lb
BANANA. Grows one and a half to two feet in length and three or four inches in diameter; flesh salmon, and exquisitely flavored, resembling banana. Brings a high price in eastern markets.....	05	15	40	1 25
<i>Germain</i> BURRELL'S GEM. A splendid new variety. Superior to Rocky Ford. Flesh thick, salmon in color and fine flavor; rind heavily netted, grows to twenty pounds each.....	05	15	50	1 50
<i>Germain</i> CASAD'S IMPROVED SPECIAL. See specialty on opposite page.....				
EMERALD GEM. A small, very early melon; form globular, flesh salmon-colored, exceptionally fine flavor.....	05	15	50	1 50
<i>Germain</i> HOODOO. A new and excellent variety; an ideal shipper of medium size; rind thin; flesh very thick, firm and highly colored; of fine texture and delicious flavor.....	05	15	50	1 50
MANGO MELON, or "VINE PEACH;" size, shape and color of an orange, fine for preserving or pickling.....	10	20	60	2 00
MILLER'S CREAM, or OSAGE. The fruit is large and round, with light green netted skin and thick, sweet, salmon-colored flesh.....	05	15	40	1 25
NUTMEG TIP TOP. An improved strain; very sweet.....	05	15	50	1 50
PAUL ROSE. Handsome; oval, new variety; rich orange, flesh very sweet.....	05	15	40	1 25

HOT BED VARIETIES

These are English varieties, and while in their native country they are grown under glass, yet under the exceptional climatic conditions existing in the Southwest, they are very successfully grown in the open.

	Pkt	Oz.	1/4 lb	1 lb
<i>Germain</i> ELLENHEIM ORANGE. A prime favorite; scarlet flesh.....	25			
<i>Germain</i> WINDSOR CASTLE. Green flesh, oval shape, finely netted, delicious flavor.....	25

ROCKY FORD CANTALOUPE

REAL ESTATE

Remember 1915. Invest now and anticipate the profits with us. \$10.00 is as welcome as \$100,000.

See Page One

HOODOO CANTALOUPE

GERMAIN'S WATERMELON WINNERS

GERMAIN'S IMPROVED WHITE SEEDED CHILIAN WATERMELON

It Stands Every Test

For many years the Chilian has been the dominant watermelon in all parts of California, and skillful growers have been competing in seed selection for the finest strain. We have obtained a white seeded strain that comes true from every seed, and so delicious that one grower last year said: "It is the melon that melts in your mouth." Each melon contains but few seeds and the crisp, deep-red flesh looks as though frozen to crystal-like iciness. Aside from its admirable eating qualities, it is a splendid shipper and altogether is the one great market melon of today.

Price Packet 5 Cents

Ounce 10 Cents

One-quarter Pound 35 Cents

One Pound \$1.00

BRAZILIAN WATERMELON

Some people still think that a fine watermelon is the natural result of cultural conditions or just ordinary luck, not knowing of the years of patient effort and careful hybridizing necessary before the introduction of a new type. In the Brazilian we have secured a prize, originated by one of the most successful market gardeners of Southern California, which insures its being especially adapted for planting in this section. We have bought the entire seed product ever since its introduction.

This melon has now been thoroughly tried by market gardeners and amateurs and all those from whom we have heard have given it nothing but the highest praise. A very few more years will prove this the most popular melon in California.

The melon is oval in shape, with a medium thick rind and a beautiful apple-green skin. The meat is a deep crimson, sweet and luscious, superior in every way to any melon yet brought to our attention.

Germain's strongest recommendation goes with the Brazilian Watermelon for home use and close in markets. You should surely include it in your order.

Per Packet 15 Cents

Ounce 30 Cents

Pound \$3.00

Owing to the limited stock not more than one-quarter pound will be sold to any one customer.

WATERMELONS

Sandia

CULTURE—Sow when weather is warm enough, any time from March to July, in hills six or eight feet apart, and thin out to two or three best plants. Plant a dozen seeds to a hill, from one to two inches deep and sow ashes, etc., as for muskmelons. All melons like a deep, loose soil. Hoe often and gradually hill up until the vines touch; after the flowers appear pinch off the extreme ends of the most luxuriant shoots.

Wassermelone

Melon d'Eau

ALABAMA SWEET

KLONDIKE

KLECKLEY SWEET

ALABAMA SWEET. A very popular variety in the south, especially in Texas, where they grow it in preference to any other. In shape it is long, color dark green, flesh red and absolutely stringless.

Germain **ANGELENO.** A top notch melon; big producer, excellent shipper, oval shaped and fine color; medium size to large; pick only when green shades to gold. A prime favorite with all

BRADFORD. A fine flavored, large shipping melon, oblong in shape, with rather square ends; the skin very dark green with darker stripes. The flesh is very tender and solid, dark red in color, and of excellent flavor. The rind is thin and tough, making it a very desirable shipping melon. Under favorable conditions they grow to a large size and command high prices.

Germain **BRAZILIAN.** See specialties on opposite page.

COLES EARLY. Medium size, oblong with mottled stripes flesh bright red and solid, sweet and delicious flavor. Adapted to a variety of climates.

CUBAN QUEEN. Melons are oblong in form; skin striped, dark and light green. Rind quite thin, but tough enough for shipping. Flesh

bright red and of fine quality.

Germain **FLORIDA FAVORITE.** An old popular, long-stripe melon of good quality.

Germain **FORDHOOK EARLY.** This is the earliest large-fruited melon in cultivation, often weighing thirty to forty pounds each; has deep green skin and is an excellent shipper; the flesh is light red, sweet and of splendid quality.

GEORGIA RATTLESNAKE, OR GYPSY. Standard southern variety, which possesses remarkable shipping qualities; oblong, scarlet flesh, crisp and juicy.

Germain **GERMAIN'S IMPROVED BLACK SEEDED**

Germain **CHILIAN**

Germain **GERMAIN'S IMPROVED BROWN SEEDED**

Germain **CHILIAN**

Germain **GERMAIN'S IMPROVED WHITE SEEDED**

Germain **CHILIAN.** See specialty on opposite page.

Germain **HALBERT HONEY.** Oblong, dark green skin, thin rind, crimson flesh, luscious flavor.

Germain **KLECKLEY'S SWEET.** This new melon is one of the best for the home market or family use. The melons are large, eighteen to twenty inches long and ten to twelve inches in diameter, dark green; rind thin, flesh scarlet and very sweet.

Germain **KLONDIKE.** Pasadena's favorite. A novelty of recent introduction. One of the sweetest and most prolific melons. Seeds one-half as large as in other melons. Although not a good shipper, good for local consumption.

KOLB'S GEM. A strong grower, a large, round or oval-shaped melon. Striped irregularly with dark and green mottlings, flesh firm and rich, a good keeper.

LODI. A long-shaped green melon. Flesh bright red and sweet. Its thin, but tough rind makes it a fine shipper, well known all over California, where it originated.

McIVER'S WONDER SUGAR. One of the sweetest melons grown; medium size, striped, flesh red, stringless and of excellent quality.

PEERLESS. Medium size, rind thin, flesh bright scarlet and a flavor of honey sweetness.

PHINNEYS EARLY. Very early, of medium size, stripes light and dark mottled, flesh pink, sweet and delicious.

SWEET HEART. Large fruits of oval or round form; flesh is a deep rich red, crisp and melting.

Germain **TOM WATSON.** An exceedingly popular melon in the South. Fruit large, running at times as high as sixty pounds. Rind thin but tough, consequently a good shipper. A dark green in color with flesh a brilliant scarlet. Very large with small seed area. An early variety of delicious flavor.

Germain **YELLOW-FLESHED ICE CREAM.** This melon has become very popular among the growers around Los Angeles; in fact, in past seasons we have never been able to secure enough stock to supply the demand. The melon grows very large, of oblong shape, the flesh is a beautiful yellow, and has a peculiar, delicious flavor, different from any other variety.

PRESERVING MELON

Germain **COLORADO PRESERVING CITRON.** Excellent for making preserves.

STOCK MELON

Germain **GREEN SEEDED CITRON.** A hardy, productive variety for feeding purposes.

RED SEEDED CITRON. Same as above only red in color.

VEGETABLE *Germain's* SEEDS

MUSHROOM

GERMAIN'S GREAT GREEN ONION

ONION SETS

MUSHROOM SPAWN

Seta

Schwamm

Champignon

Cultural instructions for growing mushrooms given free to every purchaser of spawn. Price 5 cents postpaid.

CALIFORNIA. Within a few miles of Los Angeles there is prepared for us a special mushroom spawn propagated from the sown spores, therefore having the decided advantage of being specially adapted to California conditions. European brick spawn is prepared under conditions of soil, climate, etc., quite different from our own and is propagated through the spread of the mycelium or threadlike underground plant. If this be diseased or a weakly strain, these shortcomings are perpetuated in the commercial stock. Price 50 cents per can, postpaid.

ENGLISH. In bricks. Per brick 45 cents, postpaid.

FRENCH. In two and four pound boxes, including pamphlet of culture directions. Two pound box, \$1.00; four-pound boxes \$2.00.

Too heavy for the mails; sent only by express at purchaser's expense.
WHITE FRENCH. New Virgin Spawn. This new spawn produces the finest mushrooms in cultivation, and one trial will convince all growers of its wonderful merits. Price, 30 cents per tablet, \$3.00 per dozen, postpaid.

MUSTARD

Mostaza

Senf

Moutarde

CULTURE—Sow any time in the year, though autumn sowing brings best greens for they revel in cool weather. Not particular as to soil, though a medium heavy one is best.

	Pkt	Oz.	1/4 lb	1 lb
CHINESE GREEN. Gui Toi.....	.10	.35	1.00	3.50
CHINESE WHITE. Bak Toi.....	.10	.25	.75	2.50
<i>Germain</i> OSTRICH PLUME. So called for its feathery appearance; ornamental as well as useful.....	.05	.10	.30	.90
<i>Germain</i> SOUTHERN CURLED. Leaves large, fourteen to sixteen inches in length, which are cooked like spinach, and have a very agreeable flavor. One of the best green foods for poultry.....	.05	.10	.25	.75
WHITE LONDON. Best for salads or medicinal purposes.....	.05	.10	.15	.40

OKRA

Quimbombo

Ocher

Gombaud

CULTURE—Sow in spring after soil is warm, in rows two to three feet apart, putting seed down two inches. When well up, thin to eight or ten inches apart. Hoe soil up against stem of plant.

This vegetable produces long, nutritious pods, which when young, are used in soups and stews, to which they impart a rich flavor. One ounce of seed will sow fifty feet of row.

	Pkt	Oz.	1/4 lb	1 lb
EARLY DWARF. Productive; pods white, round, smooth....	.05	.10	.20	0.70
LONG GREEN. Later and more productive; ribbed pods....	.05	.10	.20	.70
<i>Germain</i> PERKINS' MAMMOTH. Plant dwarf; very productive. Produces beautiful, long slender green pods, which remain tender a long time. An extra choice variety.....	.05	.10	.25	.80
<i>Germain</i> WHITE VELVET. Pods round, smooth, free from seams; exceedingly tender, well flavored and very prolific.....	.05	.10	.20	.70

Germain RECOMMENDS

GERMAIN'S GREAT GREEN ONION

This variety fills a long felt need for both the amateur and the professional gardener. It produces the long, tender and sweet green onions which are justly so popular on the table of those who enjoy good eating. Germain has gone to great expense and effort to secure this masterpiece of gardening. Germain's Great Green Onion has stood the test of the largest and most critical gardeners in and around Los Angeles. It can be easily grown in every garden. Pull while medium sized before the bulb has formed. Price, packet 10 cents, ounce 25 cents, 1/4 pounds 75 cents, pound \$2.75.

ONION SETS

N. B.—Prices on one-half and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

Grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. If left to stand they make ripe onions of excellent quality. Maturing about six weeks earlier than crop grown from seed.

	1 lb	100 lb
YELLOW DANVERS	.30	Write
WHITE PORTUGAL	.30	for
BROWN AUSTRALIAN	.30	prices

ONIONS

Cebolla

Zwiebel

Ognon

N. B.—Prices on one-half and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

CULTURE—Sow in drills twelve to sixteen inches apart, sowing the seed thinly and cover thinly. If desired for transplanting seeds may be sown broadcast, covered a quarter of an inch deep and transplanted when size of straws. Onions prefer a deep, friable loam, very heavily enriched, but no fresh manure, therefore fertilize the year previous to sowing. Thin to three inches apart in row. While moisture-loving, much water is fatal and should never touch the plants after too old to pull for eating green. For keeping quality, always irrigate between the rows. One ounce of seed will sow about 100 feet of drill. Four pounds to the acre.

YELLOW FLAT DANVERS

RED WETHERSFIELD

SOUTHPORT WHITE GLOBE

AUSTRALIAN BROWN

PRIZETAKER

Germain's

RECOMMENDS

AUSTRALIAN BROWN ONION

The first requirement of the market gardener in selecting an onion is its shipping quality. The producer for home use finds this feature of equal value, for it insures him a prime supply of the vegetable in the cellar bin at all times. In stocking the Australian Brown, Germain's is entirely satisfied that under the most adverse conditions the grower will be more than pleased with this variety. The flesh is pure white, close layered, juicy and tender, growing to a good size. This hardy variety does especially well in the South, and when planted in rich, sandy soil and given an abundance of water, will produce more to the acre than any onion that has come under our observation. Germain's customers will not regret planting the Australian Brown, and we are pleased to note that we are stocked to take care of all orders. Packet, 10 cents; ounce, 15 cents; one-fourth pound, 50 cents; one pound, \$1.50.

AILSA CRAIG. A splendid English variety of immense size, oval in shape and of a pale straw color, mild and delicate flavor....

AUSTRALIAN BROWN. See specialty above.

AUSTRALIAN EX-EARLY YELLOW GLOBE. The earliest of the Globe Onions and an extra long keeper. Skin thin; the onions weigh four to six ounces; mild and of splendid flavor....

Germain's **BERMUDA RED.** An early variety resembling the White Bermuda, except in color, which is a pale red, flesh crisp and mild flavor. Fine market onion. (Teneriffe-grown)

Germain's **BERMUDA WHITE.** (Teneriffe-grown). Broad, flat, a pale straw color; fresh, crisp, solid and mild in flavor

Germain's **CRYSTAL WHITE WAX.** A very early onion of the Bermuda type; pure white in color and of mild flavor, especially adapted for fall planting for the early markets.....

Germain's **EARLY BARLETTA OR ADRIATIC BARLETTA.** A very early variety with clear silver skin, bulbs small, pure white, firm, delicate in flavor; best kind for young onions and for pickling....

Germain's **EXTRA EARLY RED.** Very early variety, medium sized, flat; firm bulbs with dark purplish red skin. This onion has a moderately strong flavor and is an excellent keeper.....

Germain's **GERMAIN'S GREAT GREEN ONION.** See specialty opposite.

Germain's **GERMAIN'S YELLOW FLAT DANVERS.** Straw-color, mild in flavor, and excellent keepers.....

Germain's **GIANT ROCCA.** A splendid variety, of delicate flavor, bulbs large and globular in shape; skin light brown; weighing two to three pounds. Very productive and a splendid keeper.....

Germain's **GIANT WHITE ITALIAN TRIPOLI** (El Paso, or large Mexican). Bulbs of large size and beautiful form, with white skin. Large onions can be raised in a single season from seed weighing to one and one-half pounds, but will be larger and earlier if planted in beds in December or January and then transplanted.

Germain's **LARGE RED WETHERSFIELD.** Grows very large, keeps well and is of fine flavor.

Germain's **MAMMOTH SILVER KING.** A very large growing white onion, uniform in shape.

Germain's **NEW QUEEN.** Very early, flat, beautifully white and of the finest flavor; grows to a fair size in California, and is one of our best market varieties, its principal recommendation being its rapidity of growth and its long-keeping qualities. Also an excellent variety for pulling green or pickling....

Germain's **PRIZE-TAKER.** The largest of the yellow onions, globular in shape, of a pale straw color. Produces enormous crops; bulbs frequently weigh as high as three pounds

Germain's **SOUTHPORT RED GLOBE.** Grows to a good size, rich red color with small neck. A fine keeper.

Germain's **SOUTHPORT WHITE GLOBE.** A great yielder, fine grained and firm; flavor mild.

Germain's **SOUTHPORT YELLOW GLOBE.** The Southport Onions are handsome globe-shaped bulbs of excellent quality, uniform in size and fine keepers. The yellow is one of the earliest.....

Germain's **WHITE PORTUGAL, OR SILVER SKIN.** One of the leading white sorts, of beautiful shape and very mild flavor. The bulbs are flat and mature early. Splendid variety for market garden. Bulbs average two to three inches in diameter

Germain's **YELLOW GLOBE DANVERS.** A well known early onion of fine quality. Flesh white and firm. Color a bright orange; grows to a good size, hardy, a sure cropper and excellent keeper.....

Pkt	Oz.	1/4 lb	1 lb
\$ 10	\$ 35	1 00	\$3 50
05	25	70	2 50
10	50	1 35	4 00
10	60	1 50	4 50
10	70	2 00	6 00
05	25	60	2 25
05	20	60	2 00
05	15	50	1 50
05	25	75	2 50
05	20	60	2 00
05	20	60	2 00
05	20	60	2 00
05	25	75	2 25
05	20	60	2 00
05	15	50	1 50
10	30	90	3 00
05	15	50	1 75
10	30	90	3 00
05	20	50	2 00

VEGETABLE *Germain's* SEEDS

PEAS

Chicharos • Gulsantes

Erbsen

Pois

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or a fraction thereof.

CULTURE—In many parts of our State, peas may be sown any month in the year. While not particular as to soil, they respond nobly to fertilization, and inoculation of the seed (see page 6) will prove a highly profitable investment. A deep, rich soil, well pulverized, should be chosen for the principal crops. For early peas the ground does not need to be so rich. Sowing of the first early varieties should be made in October, and other varieties for successive crops, planted every two weeks until April 1.

Peas are sown in single or double rows, from two to six feet apart, according to the variety or the height to which they attain. Have rows of the dwarf varieties two feet apart and those of the medium sorts three to four feet apart and the tall varieties from five to six feet apart. Tall varieties require sticks. Two pounds will sow 100 feet of row.

Germain RECOMMENDS

YORKSHIRE HERO PEAS

There is no greater satisfaction to the house of Germain than the continued and increasing popularity of this magnificent strain of peas. Its ability to adapt itself to conditions has made it a uniform success wherever planted, and our seed farm has been twice enlarged to keep pace with the demand.

Its strong, vigorous growth makes it especially valuable to the market gardener and in the home garden that is not too well taken care of it will usually be found the most healthy and productive of all the vegetables.

It grows bushy, requiring no staking, and yields prodigiously of the large, plump peas of delicious flavor.

Even with a most carefully cultured field the seed is rigidly inspected, and the most exacting buyer cannot fail of satisfaction.

Price, Packet 10 cents, one pound 30 cents, 10 pounds \$1.50, 100 pounds \$12.00

YORKSHIRE HERO PEA

FIRST EARLY VARIETIES

<i>Germain</i> AMERICAN WONDER. Extra early, dwarf, compact wrinkled. Our stock is excellent.....	Ht.ft	Pkt	1 lb	10 lb	100 lb
<i>Germain</i> GRADUS. Early as American Wonder, pods as large as Telephone; a superior variety.....	1	10	35	1 75	15 00
<i>McLean's</i> LITTLE GEM. Green, wrinkled, early marrow; delicious flavor.....	2½	10	40	2 25	20 00
<i>McLean's</i> NOTT'S EXCELSIOR. A popular early, tender pea, combining the good qualities of the American Wonder and Premium Gem; of fine quality and sweetness; most desirable for market and home garden.....	1	10	35	1 50	13 00
<i>McLean's</i> PREMIUM GEM. Splendid wrinkled variety, very early; fine flavor.....	1½	10	35	1 75	15 00
	1½	10	35	1 50	13 00

SECOND EARLY VARIETIES

CHAMPION OF ENGLAND. A popular variety; very hardy, prolific, and rich in quality.....	Ht.ft	Pkt	1 lb	10 lb	100 lb
<i>Germain</i> DWARF SUGAR OR EDIBLE PODS. This pea is not generally known in our country, but is one which deserves to be better known and will undoubtedly be appreciated by all. The pods are large, tender, succulent, and have none of the tough inner lining found in the ordinary varieties. This pea can be eaten whole and is most delicious, being a great favorite with the French people, who are the recognized connoisseurs. The vines bear in abundance; seed medium to large, smooth, round, and light yellow. We confidently offer our choice strain.....	5	10	35	2 00	18 00
STRATAGEM. A very heavy cropper, producing large, well-filled pods of excellent quality. One of the finest peas in cultivation.....		10	35		
YORKSHIRE HERO. See specialty above.....	2	05	30	1 50	13 00

LATE VARIETIES

<i>Germain</i> TELEPHONE. Handsome, well-filled pods; peas large size, good quality.....	Ht.ft	Pkt	1 lb	10 lb	100 lb
	5	10	40	2 50	20 00

AMERICAN WONDER PEA

CHAMPION MOSS CURLED PARSLEY
DOUBLE CURLED PARSLEY

BULL NOSE
PEPPER

ANAHEIM CHILI PEPPER

PARSLEY

Perijil

Petersilie

Persil

CULTURE—Best sown during cool weather—December to May. Succeeds best in rich, moist soil. Sow thickly in drills one foot apart and one-half inch deep. When the plants are two inches high, thin them out to four inches apart. One ounce of seed will sow about fifty feet of row, or give 500 plants.

<i>Germain</i>	CHAMPION MOSS-CURLED. Vigorous compact-growing variety; excellent for garnishing and flavoring; also a handsome decorative plant; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden.	Pkt	Oz.	¼ lb	1 lb
		\$ 05	\$ 15	\$ 40	\$ 1 25
	FERN-LEAF MOSS. Most exquisite in form and color; exceedingly fine for varnishing and flavoring.	05	15	40	1 25
<i>Germain</i>	HAMBURG, OR TURNIP-ROOTED. The roots are excellent for flavoring soups.	05	10	30	1 00

PARSNIP

Chirivia

Pastinake

Panais

CULTURE—Sow any month in the year in drills of rich soil one and one-half inches deep and fifteen inches apart, and cultivate the same as carrots; thin to four inches apart. One ounce of seed will sow about 100 feet of row.

<i>Germain</i>	HOLLOW-CROWNED. Best parsnip grown either for table or stock.	Pkt.	Oz	¼ lb	1 lb
		05	15	50	1 50
	IMPROVED GUERNSEY. Half-long; not as long as Hollow-Crowned, but larger and more easily gathered.	05	15	50	1 50
	SHORT ROUND OR TURNIP-ROOTED. For shallow soil.	05	15	50	1 50

PEPPERS

Pimiento

Pfeffer

Piment

CULTURE—Sow in hot beds in November and December, or in cold frames or boxes in early spring. Transplant when the weather is favorable, about April, to open ground in rows eighteen inches apart and ten inches apart in the row. The ground should be highly manured before transplanting. When about six inches high, hoe the plants, and earth up slightly, keeping well watered at all times.

PLANTS, see page 70.

RECOMMENDS

ANAHEIM CHILI PEPPER (*Chili Caliente*)

The country around Anaheim is the greatest pepper growing section in the world, the shipments running over 100 carloads a year. Our seed is selected from the finest and most productive fields in that vicinity and is certain to produce splendid crops. This pepper is from 6 to 8 inches long and tapers from 1½ to 2 inches in diameter at the top to a point. When dried it is a brilliant scarlet.

Price, packet, 10 cents; ounce, 25 cents; ¼ pound, 75 cents; one pound, \$2.50.

ANAHEIM CHILI. See specialty above.

<i>Germain</i>	BELL, OR BULL NOSE. Early, sweet and of good flavor.	Pkt	Oz	¼lb	1 lb
		\$ 05	\$ 25	\$ 75	\$ 2 50
	CAYENNE. Pods small, long and tapering; coral red when ripe, very hot and strong, best kind for seasoning pickles; the Cayenne Pepper of commerce.	05	25	60	2 25
	CHERRY. Small, round, smooth and productive.	05	25	75	2 50
	CHILI PIQUIN. Fruit small and round, fiery hot, fine for seasoning or pepper sauce.	05	50	1 25	5 00
	CHILI, SMALL, OR BIRD'S EYE. Pods pendent, shapely, conical, about one and one-half inches in length, very piquant; excellent for pickles.	05	25	75	2 50
<i>Germain</i>	CHINESE GIANT. Most desirable new, large variety; thick flesh, mild and sweet.	10	60	1 75	6 00
	GOLDEN DAWN. Resembles the well known Bell in shape, but the fruit is golden yellow.	05	25	75	2 50
	LARGE SWEET MOUNTAIN. Large, excellent for mangoes.	05	25	75	2 50
	MEXICAN CHILI. The pepper that has made the tamales of Mexico famous is becoming very popular in the Southwest. Our seed is obtained directly from Mexico. It is a medium size, pear-shaped pepper, and turns bluish black when dried.	05	35	1 15	3 50
	MONSTROSITY. A very large growing variety of fine quality and the best for making mangoes.	10	40	1 25	4 00
	NEAPOLITAN PEPPER. Very early, large, mild and sweet, and unusually productive. Extra fine for slicing and mangoes.	10	40	1 25	4 00
<i>Germain</i>	NOCERA. The earliest large, sweet pepper in the market. Very productive, fruit even, large and of mild flavor, turning crimson as it matures.	10	60	1 75	6 00
	RED CLUSTER. Grows in clusters, prolific, of dwarf habit.	10	30	75	2 50
	RUBY KING. A large growing sweet pepper of the Neapolitan type; strong grower and prolific.	10	35	1 00	3 50

VEGETABLE *Germain's* SEEDS

OLD EARLY HARVEST KING POTATO

SMALL SUGAR PUMPKIN

WINTER LUXURY PUMPKIN

POTATOES

Patata

Kartoffel

Pomme de Terre

CULTURE—Plant all year in California. The soil best suited to the potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The potato, being a gross feeder, requires a liberal application of manure; it should be well rotted, and not allowed to come in contact with the tubers. On no other crop are the results from the use of phosphates so manifest as on the potato; almost invariably the tubers are smoother, brighter and freer from rust and the destructive influence of wire worms. The best fertilizers are super-phosphate of lime and lime-dust. Plant in rows three feet apart and one foot in the rows, covering about four inches; draw the earth to the plants as they advance in growth.

The seed potatoes we send out are not only the best we can supply, but the best to be had. They will be not only strictly true to name, but hand-sorted, selected stock.

CHANGE YOUR SEED—There is a profit as well as a satisfaction in planting our seed, for, not only is it pure, but the additional yield to be secured from a change of seed fully pays for the seed, so that the investment itself is nothing.

USE FORMALDEHYDE—Our seed is clean, healthy and free from scab; and in order that the product may be equally so, we urge our customers to treat the seed they plant with Formaldehyde, as their soil may be infected. Formaldehyde prevents scab, increases the yield and improves the quality of the potato.

	10 lb	100 lb
BURBANK. Best late variety, so well known as to need no description	35	3 00
EARLY HARVEST KING. Is the greatest yielder of any early potato known, the best for two-crops. Large white tubers, very rich and delicate in flavor, splendid mealy potato when cooked.	35	3 00
EARLY OHIO. A popular variety, stands dry weather; a good producer	35	3 00
PINK ROSE. Similar to White Rose, except in color of skin.	35	3 00
NEW SNOW. A valuable new potato, is the earliest "white skinned" variety, a potato which we are certain many of our customers will want. It is but three or four days later than the Triumph, and will thrive on poorer soil than other varieties. In shape they are ideal, and in size remarkably uniform—very few abnormally large specimens, and very few small ones. A load of these potatoes on any market should sell at a premium, so clean and handsome are they in appearance. Very scarce.	45	4 00
RED TRIUMPH. Very prolific and earlier than Early Rose. The color of skin is light red, size medium, nearly round and uniform in growth, flesh white and mealy.	45	4 00
WHITE ROSE. A well known variety, early, hardy and productive.	35	3 00

SWEET POTATOES

We will be able to supply potatoes of such varieties as Yellow Nansemond, Large White and Jersey Red during the fall and winter up to February. Plants after March.

PLANTS, see page 70.

PUMPKINS

Calabasa

Kuehls

Course

CULTURE—Plant in May, June and July for best results, about five seeds to a hill and keep three best plants; hills eight feet apart. Soil should be kept damp and free from weeds. When planted among corn take every fourth row. Keep as far from melons and cucumbers as possible, as they are apt to mix. One pound of seed will plant about 400 hills.

CALIFORNIA FIELD. Selected, very large, for stock. Pkt 1 Oz. 1/4 lb. 1 lb.

CHEESE. Size large; reddish orange; flesh thick, fine and sweet; keeps well. \$ 05 \$ 10 \$ 15 \$ 50 \$ 100

CONNECTICUT FIELD, OR JACK O' LANTERN. A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended. 05 10 20 60

CUSHAW, OR CROOK-NECK. Solid, fine, sweet; keeps well. 05 10 25 75

EASTERN FIELD. A dandy for stock feeding. 05 10 15 50

ETAMPES. We have endeavored for several years to procure pure stock seed from which to grow this excellent pumpkin. It is the heaviest pumpkin for its size that we know of. It is the canner's favorite because of its thick, deep red flesh and fine, sweet flavor. It is without exception the best for dainty stock and only its scarcity has prevented it from being more widely known. 05 10 25 80

JAPANESE PIE. The flesh is nearly solid; the seed cavity being very small, fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well and are fine for home use. 05 10 30 1 00

LARGE CHEESE OR KENTUCKY FIELD. A very large, flattened variety, averaging about two feet through. When ripened the skin is a rich cream color. Flesh yellow and of fine quality. 05 10 20 60

LARGE SWEET FIELD. Popular among the local growers; size very large; hardy and productive. 05 10 15 50

LARGE YELLOW MAMMOTH POTIRON. Rich, dark yellow; flesh lighter shade; a remarkable keeper. 05 15 50 1 50

MAMMOTH KING OR POTIRON. The best large pumpkin in use. Forms immense globular melons, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and all are of immense size. 05 15 45 1 50

MAMMOTH TOURS OR JUMBO. King of mammoths. Is very productive, often weighing 150 pounds, and a good keeper. 05 10 30 1 00

QUAKER PIE. Nearly oval; color creamy white inside and out; flesh sweet and rich; good keeper. 05 10 25 75

SWEET OR EARLY SUGAR. This is the small, sweet pumpkin that has made the New England States famous for their pumpkin pies. Fine-grained; splendid keeper. 05 10 25 75

TENNESSEE SWEET POTATO. A good variety for making pies and other cooking purposes. It is of medium size, of a white, creamy color, and has an excellent flavor; good keeper. 05 10 30 1 00

WINTER LUXURY. A fine keeper and one of the best for pies. 05 10 30 1 00

RADISHES

Rabano

Radies

Radis

OPPORTUNITY

Knocks but once. We offer you one of the best to be found. Read page one.

CULTURE—Sow any month of the year; will succeed in any good garden soil not over-moist or too heavy. For early and late crops a warm, sheltered situation should be chosen; for those sown in summer, a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be dug deep and raked fine. The seed is generally sown thinly broadcast, in beds four to five feet wide, with one-foot alleys between. One ounce of seed will sow about 100 feet of drill, or a bed forty square feet.

HORSERADISH ROOTS, see page 70.

Germain

RECOMMENDS

GERMAIN'S EPICURE RADISH

Solely a relish, some radishes are often the very opposite on account of the large size and pithy texture, more resembling a turnip or large parsnip. Nothing more epicurean has ever been offered than this select strain of scarlet, white-tipped radish, which is one reason of its popularity among market gardeners. It is the quickest growing radish we know of, maturing in eighteen days. Firm, very mild in flavor and never pithy, it is truly a joy to the planter in every sense. Its dainty size, about that of a marble, and its beautiful coloring make it as pleasing to the eye as to the palate. Packet 10 cents, ounce 15 cents, $\frac{1}{4}$ pound 30 cents, pound \$1.00.

FRENCH BREAKFAST RADISH

	Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
BLACK SPANISH WINTER, LONG. Grows to a large size, of oblong shape; quite solid.	05	10	25	75
<i>Germain</i> BLACK SPANISH WINTER, ROUND. Similar to the long, except in form.	05	10	25	75
<i>Germain</i> CALIFORNIA MAMMOTH WHITE. A winter sort introduced into California by the Chinese; eight to twelve inches long and two inches in diameter, flesh white, firm and excellent flavor.	05	10	30	90
CHARTIER. A long, smooth radish, red above and shading to clear white at the tip.	05	10	25	75
<i>Germain</i> CHINA ROSE WINTER. Medium size, oblong, of a bright rose color; one of the best varieties for winter use.	05	10	25	90
CRIMSON GIANT TURNIP. Twice as large as any other turnip-shape variety; does not get hollow or pithy; flesh white, solid, crisp and mild flavor. Excellent for forcing in open ground.	05	10	30	1 00
<i>Germain</i> EARLY LONG SCARLET SHORT TOP. Roots long; pinkish color; flesh white and crisp.	05	10	25	75
EARLY SCARLET GLOBE. Undoubtedly the best known radish in cultivation; very solid, bright red color and of unequalled quality; is highly recommended for market use.	05	10	25	75
EPICURE. See specialty above.				
<i>Germain</i> FRENCH BREAKFAST. A fine early variety; olive shaped; scarlet body with white tips.	05	10	25	75
JAPANESE SUMMER RADISH. Introduced by Japanese in Southern California some years ago, and has become a great favorite. Grows as long as twenty-four inches and three inches in diameter; very tender, mild and of excellent flavor; always finds a ready market.	05	10	30	90
JAPANESE WINTER RADISH. Strongly resembling the Japanese Summer Radish, excepting in size; grows to eight or ten inches; an excellent winter variety, being crisp and of fine flavor; in color it is pure white, and is becoming very popular.	05	10	30	90
<i>Germain</i> LONG WHITE ICICLE. In form half-long, pure white and very crisp. Very quick in growth and of delicious flavor.	05	10	25	75
MIXED RADISHES. Supply a nice assortment for the table; of all colors and sizes.	05	10	25	75
MODEL WHITE BOX. A very early round white radish, crisp and sweet.	05	10	25	75
<i>Germain</i> SCARLET TURNIP. An excellent variety. Crisp and tender.	05	10	30	90
SCARLET, OLIVE-SHAPED. Oval; very early and handsome; flesh rose-colored, tender and brittle.	05	10	30	90
<i>Germain</i> SCARLET TURNIP, WHITE-TIPPED. An early variety of excellent quality.	05	10	30	90

VEGETABLE *Germain's* SEEDS

RHUBARB OR PIE PLANT

Ruibarbo

Rhabarber

Rhubarbe

CULTURE—Sow in early spring an inch deep, and when well started thin young plants to four inches apart. Rows should be a foot apart and kept well cultivated between rows to get vigorous, sturdy plants. When the plants are one year old, remove to prepared beds in early spring, and place four feet apart each way. Do not ut until the second year; apply manure every fall.

RHUBARB ROOTS, see page 70.

Germain RECOMMENDS

WAGNER'S GIANT SEEDLING RHUBARB

It is grown from the seed of the famous Giant Rhubarb. Our seed was secured from Mr. J. B. Wagner, the originator and most prominent Rhubarb expert in the world, and is the best that can be gotten. Wagner's Seedling will yield as high as 20 tons per acre, is a strong rapid grower, and very much more productive than the Crimson Winter. It comes on soon after planting, and unless the ground is frozen it keeps on growing constantly. The stems are twice as large as the Crimson Winter, are hardy in any climate, and will grow and yield handsome returns where the common Crimson variety will be a failure. It is unsurpassed either in flavor, texture, size, or hardness. Germain strongly recommends this variety as the most profitable that can be grown, and is proving itself a tremendous money maker. Price, packet 20 cents, ounce \$1.00, pound \$12.00.

We especially call your attention to the roots of this variety, a description and prices of which will be found on page 70.

Wagner's Giant Monarch Crimson Winter

MONARCH, OR GIANT. Superior variety of large size. Pkt | Oz. | 1/4 lb | 1 lb
Germain **NEW CRIMSON WINTER.** Introduced by Luther Burbank, and so popular that it is almost impossible to supply the demand. It is ever-bearing and can be made to bear when there is no other rhubarb in the market. 10 60 1.75 6.00

ROSELLE

The plants grow from 3 to 6 feet high and bear an abundance of handsome flowers, followed by fruit enclosed in a thick, fleshy calyx from which is made an excellent jelly resembling, but an improvement upon, that made by the black current; 10 cents a packet, 50 cents per ounce.

SALSIFY OR VEGETABLE OYSTER

Salsifi Blanco

Haferwurz

Salsifis Blanc

CULTURE—Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches apart in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.

LONG WHITE. Finely flavored and popular. Pkt | Oz. | 1/4 lb | 1 lb
Germain **SANDWICH ISLAND.** Of enormous size, very tender and delicious. Long white tapering roots, less liable to branch. A favorite with market gardeners.05 .15 .40 1.25

SORREL

Acedera

Sauerampfer

Oseille

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

Germain **LARGE-LEAVED FRENCH.** Used for salads, and highly recommended when cooked like spinach. Pkt | oz | 1/4 lb | 1 lb
 .05 .15 .40 1.25

SPINACH

Espinaca

Spinat

Epinard

CULTURE—An all-year crop. Sow early in spring, in drills one foot apart, and thin the plants as you need them for cooking. For winter and spring use, sow in September. One ounce of seed will sow about seventy-five feet of row.

Germain **BLOOMSDALE, OR SAVOY-LEAVED.** The earliest of all the varieties, and one of the best for autumn planting for early use. The leaf of this sort is wrinkled same as Savoy cabbage. Pkt | Oz. | 1/4 lb | 1 lb
 \$.05 \$.10 \$.15 \$.50

LONG-STANDING. Remains a long time before running to seed. 05 10 15 50

NEW ZEALAND. Abundant producer throughout the summer; transplant three feet apart each way. 05 15 30 1.00

Germain **PRICKLY OR FALL.** Very hardy; used for fall planting; long, thin leaves. 05 10 15 50

Germain **ROUND, OR SUMMER.** For early spring planting; leaves large, thick and compact. 05 10 15 50

PRICKLY SPINACH

SQUASHES

Calabasa

Kuerbiss

Courge

CULTURE—Sow after danger of frost is past. Light, warm soil is best. Plant in hills prepared the same as for cucumbers and melons, the bush kinds about four feet apart, and the running varieties from six to nine feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill and thin to three best plants. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from thirty to fifty hills.

HUBBARD SQUASH

RECOMMENDS

HUBBARD SQUASH

The best winter variety, vigorous, productive. Fruit large, weighty, moderately warted with hard shell; color dark bronze green. A fine grained, thick, dry, richly flavored, orange-yellow flesh. Baked, it is similar to and as luscious as a sweet potato. We have spent a great deal of time and attention in selecting our stock and confidently recommend it. Packet 5 cents; ounce 10 cents; one-quarter pound 25 cents; one pound 85 cents.

SUMMER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
<i>Germain</i> DELICATA. The earliest and most prolific of the vine squashes. Of small size, flesh wonderfully solid, with small seed cavity. Cooks dry and is richly flavored.	05	\$ 10	\$ 30	\$ 1 00
EARLY GOLDEN BUSH SCALLOPED. Similar in shape to the white.	05	10	25	75
<i>Germain</i> EARLY WHITE BUSH SCALLOPED. An early variety, well-flavored and productive; excellent for the market.	05	10	25	75
ITALIAN SQUASH is a bush variety and should be planted five feet apart. It should be used when quite young. When stewed it has a rich, creamy flavor not equalled by another squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor and it is much more prolific.	05	10	30	1 00
LONG ISLAND WHITE BUSH. An improved strain of Early White Scallop Bush; very prolific.	05	10	30	1 00
LONG WHITE VEGETABLE MARROW. An English variety of delicious flavor.	05	15	50	1 50
<i>Germain</i> MAMMOTH WHITE BUSH SCALLOPED. Is much larger in size than the Early White Bush. Flesh clear, waxy white, tender and delicate.	05	10	25	75
SUMMER CROOK-NECK. This is the richest summer squash; very early and productive.	05	10	25	75

WINTER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
BOSTON MARROW. A standard fall squash of rich orange color; very productive; keeps well.	05	10	25	80
DELICIOUS. A medium sized squash, cooks dry.	05	15	40	1 25
ESSEX HYBRID. An early and rapid growing variety, with thick, rich colored solid flesh, and one of the best keepers.	05	10	25	80
<i>Germain</i> FORDHOOK. A fine winter sort; fine quality.	05	10	25	80
<i>Germain</i> HUBBARD. See specialty above.				
<i>Germain</i> MAMMOTH CHILI. Grows to immense size, often weighing over 200 pounds; very productive.	05	15	40	1 25
PIKE'S PEAK OR SIBLEY. An improvement on Hubbard.	05	10	25	85
RED OR GOLDEN HUBBARD. Similar to the Green Hubbard, except in color, which is a bright, deep orange. Flesh deep, golden yellow, fine grained, cooks dry, and is of excellent flavor.	05	10	25	85
WINTER CROOK NECK. A good fall variety; flesh close-grained and sweet.	05	10	30	1 00

WINTER CROOKNECK SQUASH

GERMAIN'S WINTER QUEEN TOMATO

BEEFSTEAK TOMATO

SPARKS EARLIANA

TOMATOES

Tomate

Liebesapfel

Tomate

CULTURE—Sow in hot bed or frame, about September 1, for winter crop in frostless belts, or in early spring for summer crop. Growth must never be checked or a shortened fruit crop will result. When the plants are two or three inches high, thin them out and set in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants four feet apart each way. One ounce of seed will produce 3000 plants. The tomato requires a rather light soil to ripen early, but if handsome fruit and a plentiful crop be desired, very rich soil should be selected and good cultivation given.

PLANTS, see page 70.

Germain

RECOMMENDS

GERMAIN'S WINTER QUEEN TOMATO

For all around merit this tomato ranks at the top of the list. Its special points are hardiness and great resistance to frost, the latter making it of extraordinary value to the small grower who does not care to plant more than one variety. It has been the work of years to develop this strain to the high state of perfection which it occupies, and among the market gardeners it is a prime favorite on account of its compact bush, even sized and finely colored fruit. It commands the highest price, as it is an especially good shipper and the firm flesh makes it most desirable for slicing. Packet 10 cents, ounce 50 cents, $\frac{1}{4}$ pound \$1. 25, pound \$4. 00.

	Pkt	Oz.	$\frac{1}{4}$ lb	1 lb
ACME. One of the earliest and handsomest varieties. Fruit of medium size, perfectly smooth and regular in shape; a great bearer; color dark red with a purplish tint.	05	25	75	2 50
ATLANTIC PRIZE (Early Ruby). A favorite early variety. Color rich crimson.	05	25	75	2 50
LIVINGSTON'S BEAUTY. Of large size; grows in clusters of four or five; color glossy crimson with a purplish tinge.	05	25	60	2 00
<i>Germain</i> BEEFSTEAK. This variety has been exceedingly popular with our customers and our sales have been enormous. It is one of the best, if not the best tomato grown. It is very prolific and its growth is a marvel. For the home garden it cannot be surpassed. Of a bright red color, with very firm, substantial meat and luscious flavor. We take pleasure in again presenting this favorite to our customers.	10	35	1 00	3 50
<i>Germain</i> CHALK'S EARLY JEWEL. Nearly as early as Earliana. Fruits are large and of fine flavor.	05	25	75	2 50
CRIMSON CUSHION. Of large size, often weighing one pound; nearly round, solid and smooth; color rich crimson; delicious for slicing.	10	35	1 00	3 50
DWARF CHAMPION. An early and distinct variety, medium in size; plant of dwarf and compact growth.	05	25	75	2 50
DWARF STONE. Vine resembles Dwarf Champion, but stronger. Fruit same color and size as the New Stone.	05	25	75	2 50
<i>Germain</i> GERMAIN'S WINTER QUEEN. See specialty above.				
GOLDEN QUEEN. The best yellow. Has a fine appearance and a distinct flavor.	05	20	60	2 00
JUNE PINK. A smooth purple-fruited tomato, maturing early, resembling the Earliana in shape and size, differing only in color. Large size, early.	10	30	90	3 00
LIVINGSTON'S FAVORITE. Beautiful shape, smooth and a good bearer; ripens evenly.	05	20	60	2 00
MATCHLESS. An old variety of splendid qualities, rich red in color and a fine keeper.	06	20	60	2 00
<i>Germain</i> NEW STONE. A splendid variety for shipping; bright scarlet, large, smooth and firm; excellent quality and one of the best for general use.	05	25	75	2 50
PERFECTION. A good quality and very prolific.	05	20	60	2 00
<i>Germain</i> PONDEROSA. Grows to enormous size, sometimes weighing from two to three pounds each; very smooth and solid.	10	35	1 00	3 50
<i>Germain</i> SPARK'S EARLIANA. Early and prolific; very solid and noted as a good shipper.	05	25	75	2 50
STRAWBERRY OR GROUND CHERRY. A distinct species; grows enclosed in a husk; excellent for preserves.	10	35	1 00	3 50
YELLOW PEACH. Beautiful clear yellow color.	05	25	75	2 50
YELLOW PLUM. Fruit plum-shaped, of clear, deep yellow color.	05	25	75	2 50
YELLOW PEAR. A small early variety good for preserves.	05	25	75	2 50

VEGETABLE *Germain's* SEEDS

TURNIPS

Nabo

Ruebe

Navet

CULTURE—Sow during cool weather, from October to April. For early crops, sow the Early White Flat Dutch or Early Purple Top Milan during early winter; and for summer crops sow any of the other varieties at intervals of two weeks, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For Fall or Winter use, sow the Golden Ball or Purple Top Strap Leaf. Success in raising turnips depends upon the selection of soil and its subsequent preparation. Stir deeply.

COW HORN. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop.

EARLY PURPLE-TOP MILAN. One of the earliest varieties.

EARLY WHITE EGG. An egg-shaped variety for spring and fall sowing; flesh firm, fine-grained, mild and sweet.

EARLY WHITE FLAT DUTCH. White flesh, medium size, quick growth.

GERMAIN'S RED-TOP WHITE GLOBE. A very fine variety, globe-shaped, flesh white and of excellent quality.

GOLDEN BALL. Round, smooth English turnip of fine quality; skin bright yellow; good keeper.

PURPLE-TOP STRAP-LEAF. Very productive, matures quickly; flesh white and sweet.

EARLY SNOWBALL. Some people may think that a turnip is a turnip, not realizing the great difference between the average stringy, pulpy vegetable and the sweet, mellow, crisp possibilities that have been achieved in the perfection of the Snowball. It was first introduced into this section by us several years ago, and our supply of seed this season is so unusually fine that we are strongly recommending it. Germain's Snowball will respond to any reasonable desire for early maturity; grows even in size and is most completely described by its name—pure white and round as a ball.

Pkt	Oz.	1/4 lb	1 lb
.05	.10	.25	.70
\$ 05	\$ 10	\$ 25	\$ 85
05	10	25	75
05	10	25	75
05	10	25	75
05	10	25	75
05	10	25	75
10	15	40	1 25

RUTABAGA OR SWEDISH TURNIP

CULTURE—Same as for common turnip, but if anything, less exacting in care.

IMPROVED YELLOW PURPLE-TOP. The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet.

LARGE WHITE. A very superior white-fleshed variety of large size and fine quality.

Pkt	Oz.	1/4 lb	1 lb
05	10	25	75
05	10	25	75

SNOWBALL TURNIP

Sowing Table for the Garden

Quantity of seed required to produce a given number of plants, or to sow a given quantity of ground

Artichoke	1 oz. to 500 plants
Asparagus	1 oz. to 60 ft. of drill, 500 plants
Beans, Dwarf	1 lb. to 50 ft. of drill
Beans, Tall	1 lb. to 75 hills
Beet	1 oz. to 50 ft. of drill
Broccoli	1 oz. to 2,000 plants
Brussels Sprouts	1 oz. to 2,000 plants
Cabbage	1 oz. to 2,000 plants
Carrot	1 oz. to 150 ft. of drill
Cauliflower	1 oz. to 2,000 plants
Celery	1 oz. to 5,000 plants
Chicory	1 oz. to 100 ft. of drill
Corn	1 lb. to 150 hills
Cress	1 oz. to 100 ft. of drill

Cucumber	1 oz. to 100 hills
Eggplant	1 oz. to 2,000 plants
Endive	1 oz. to 3,000 plants
Kale	1 oz. to 2,000 plants
Kohlrabi	1 oz. to 2,000 plants
Leek	1 oz. to 100 ft. of drill
Lettuce	1 oz. to 5,000 plants
Melon, Water	1 oz. to 80 hills
Melon, Musk	1 oz. to 100 hills
Okra	1 oz. to 50 ft. of drill
Onion seed	1 oz. to 100 ft. of drill
Onion, Top Sets	1 lb. to 60 ft. of row
Onion, Bottom Sets	1 lb. to 75 ft. of row
Parsnip	1 oz. to 100 ft. of drill

Parsley	1 oz. to 100 ft. of drill
Peas	1 lb. to 50 ft. of drill
Pepper	1 oz. to 1,000 plants
Pumpkin	1 oz. to 25 hills
Radish	1 oz. to 50 ft. of drill
Salsify	1 oz. to 50 ft. of drill
Sage	1 oz. to 100 ft. of drill
Spinach	1 oz. to 50 ft. of drill
Squash, Early	1 oz. to 50 hills
Squash, Winter	1 oz. to 15 hills
Tomato	1 oz. to 3,000 plants
Tobacco	1 oz. to 10,000 plants
Turnip, Early	1 oz. to 75 ft. of drill
Turnip, Rutabaga	1 oz. to 100 ft. of drill

Quantity of Seed Usually Sown per Acre

Alfalfa	lbs., 20
Artichoke, Globe	oz., 1
Artichoke, Jerusalem	lbs., 300
Asparagus	oz., 5
Barley	lbs., 100
Beans, Bush, drills	lbs., 80
Bush, Lima	lbs., 50
Pole, hills	lbs., 40
Pole, Lima	lbs., 40
Beet, Table	lbs., 6
Stock	lbs., 8
Sugar	lbs., 12
Broom Corn, drills	lbs., 12
Broccoli	oz., 6
Brussels Sprouts	oz., 8
Buckwheat, broadcast	lbs., 48
Cabbage, early	oz., 8
Late	oz., 8
Carrot, table	lbs., 6
Stock	lbs., 5
Cauliflower	oz., 4
Celery	oz., 4
Clover, Alsike	lbs., 10
Crimson	lbs., 15

Egyptian	lbs., 12
Japanese	lbs., 20
Red	lbs., 15
White	lbs., 15
Corn, Sweet	lbs., 14
Field	lbs., 10
For Fodder	lbs., 150
Egyptian	lbs., 6
Jerusalem	lbs., 6
Kaffir	lbs., 10
Kaffir, broadcast	lbs., 50
Cress	lbs., 5
Cucumber	lbs., 2
Egg Plant	oz., 4
Endive	lbs., 3
Flax for Seed	lbs., 30
Flax for Fiber	lbs., 50
Grass, Bermuda	lbs., 8
Brome	lbs., 40
Crested Dogtail	lbs., 25
Ky. Blue pasture	lbs., 50
Ky. Blue for lawns	lbs., 150
Orchard	lbs., 40
Rye, Peren. pasture	lbs., 40

Rye, Peren., lawns	lbs., 75
Rye, Italian	lbs., 30
Red Top	lbs., 30
Timothy	lbs., 20
Hungarian	lbs., 40
Mesquite	lbs., 35
Hemp	lbs., 50
Kohl Rabi	lbs., 2
Leek	lbs., 4
Lettuce	lbs., 3
Melon, musk	lbs., 2
Water	lbs., 4
Millet	lbs., 50
Pearl, drills	lbs., 6
Pearl, broadcast	lbs., 30
Milo Maize, drills	lbs., 10
Oats	lbs., 80
Okra	lbs., 10
Onion, seed for dry	lbs., 4
bulbs	lbs., 50
Seed for sets	lbs., 250
Onion Sets	lbs., 6
Parsley	lbs., 8
Parsnip	lbs., 8

Peanuts	lbs., 22
Peas, drills	lbs., 90
Broadcast	lbs., 150
Pepper	oz., 8
Potatoes, cut tubers	lbs., 600
Sweet	plants, 8000
Pumpkin	lbs., 3
Radish	lbs., 12
Rhubarb	oz., 4
Rye	lbs., 100
Salsify	lbs., 10
Sorghum, for fodder	lbs., 150
For Syrup	lbs., 10
Spinach	lbs., 10
Squash, bush vars	lbs., 4
Running	lbs., 3
Tobacco	oz., 2
Tomato	oz., 2
Turnip, broadcast	lbs., 3
Drills	lbs., 3
Rutabaga	lbs., 3
Vetches, broadcast	lbs., 50
Wheat	lbs., 100

Useful Tables for the Farmer and Planter

PLANTING TABLE FOR VEGETABLES BY MONTH

NOTE—This is an all year climate and a careful perusal of this table will show you how to utilize your ground to the best advantage all year round. This table shows at a glance the best time to plant the different kinds of seeds and plants, average time to mature, and distance apart at which they should be planted. This reference table is compiled with a great deal of care and is based on the experience of Los Angeles market gardeners. X. Signifies the best time to plant around Los Angeles. For other sections of the Southwest, local conditions must be looked into.

VARIETY	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Maturity Table	Distance to Plant
Artichoke, Globe.....	S	SX	SX	S	S	S				S	S	S	1 year	24x36 inches
Asparagus (seed).....		SX	S	S									3 years	36x18
Asparagus (roots).....	P	P	P										Second year	24x12
Beans, Broad or English..	S	S	S	S	S	S	S	S	S	SX	P	S	3 months	24x 6
Beans, Dwarf or Bush....			SX	SX	S	S	S	S	S				6 to 8 weeks	30x 6
Beans, Pole.....			SX	SX	S	S	S	S	S				8 weeks	36x30
Beet, Table Varieties....	S	S	S	S	S	S	S	S		SX	S	S	7 to 8 weeks	24x 6
Broccoli.....	S	S	S	S	S	S							3 months	36x24
Brussels Sprouts.....								S		SX	S	S	4 months	24x18
Cabbage, Early (seeds)....									SX	S	S		3½ months	24x18
Cabbage, Early (plants)...		PX	P	P					P	P	P		3½ months	24x18
Cabbage, Late (seeds)....					S	S			S	S	P	S	5 months	36x24
Cabbage, Late (plants)...					P	PX	P						5 months	36x24
Carrot.....	S	S	S	S				S	SX	SX	S	S	6 months	18x 4
Cauliflower (seeds).....							SX	SX	SX				4 to 6 months	30x18
Cauliflower (plants)....		P	P	P	P				P	P	P		4 to 5 months	30x18
Celery.....		SX	S	S	S								5 months	48x 4
Ohervil.....	S	S	S	S	S					S	S	S	8 weeks	12x 4
Ohives.....	P	P	P	P					P	P	P	P	2 to 3 months	12x 4
Collards.....							SX	S	S	S			4 months	36x18
Ohicory.....	S	S	S	SX					S	S	S	S	8 weeks	12x12
Corn, Sweet.....				SX	S	S	S	S					2 to 3 months	36x18
Corn, Salad.....	S	S	S	S	S	S	S	S	S	S	S	S	6 to 7 weeks	12x 6
Oress.....	S	S	S	S	S	S	S	S	S	S	S	S	1 to 2 weeks	Thickly
Oucumber.....			SX	SX	S	S	S	S	S				7 to 10 weeks	48x48
Dandelion.....	S	S	SX	S					S	S	S	S	8 to 9 weeks	6x 6
Eggplant (seeds).....			S	SX									3 to 4 months	30x30
Eggplant (plants).....				P	P	P	P						3 to 4 months	30x30
Endive.....	S	S	S	P				S	P	S	S	P	8 weeks	12x 6
Garlic (sets).....	P	P	P	P				P	P	P	P	P	3 to 4 months	18x 4
Herbs.....					S				S				Sow thinly in drills	
Horse-radish (sets).....	P	P	P	P							P	P	6 months	12x 4
Kale.....	S	S	S			SX	S	S	S	SX	S	S	2 to 3 months	24x12
Kohlrabi.....	S	S	S						S	S	S	S	3 months	18x 4
Leek.....							SX	SX	S	S	S	S	3 to 4 months	12x 3
Lettuce.....	S	S	S	S	S	S		S	S	S	S	S	7 to 10 weeks	24x12
Melons, Musk.....			SX	SX	SX	S	S	S	S				4 to 5 months	60x60
Melons, Water.....			SX	SX	SX	S	S	S	S				3 to 4 months	96x96
Mustard.....	S	SX	SX	SX	S	S	S	S	S	S	S	S	2 to 4 weeks	Thickly
Okra.....			SX	SX	S	S	S						3 months	36x12
Onion (seeds).....		P	P	P				S	SX	SX	P	P	3½ to 5 mos.	12x 4
Onion (sets).....	P	P	P	P							P	P	3½ to 5 mos.	12x 4
Parsley.....	S	S	SX	SX	S	S	S	S	S	P	S	S	10 to 12 weeks	12x 2
Parsnip.....	S	S	SX	SX	S	S	S	S	S	S	S	S	4 months	18x 4
Peas.....			S	S	SX	SX	S	S	S	S	S	S	6 to 10 weeks	30 betw'n rows
Pepper (seeds).....	SX	SX	S	S	S	S	S	S	S	S	S	S	4 to 5 months	30x12 bet. rows
Pepper (plants).....			P	P	P	P	P	P	P	P	P	P	4 to 5 months	30x12 bet. rows
Potato (sets).....	P	P	P	P	P	P	P	P	P	P	P	P	2½ to 4 mos.	24x12 bet. rows
Potato, Sweet (plants)...				P	P	P	P	P	P	P	P	P	3 to 4 months	48x18 bet. rows
Pumpkin.....				SX	SX	S	S	S	S	S	S	S	4 months	96x96 bet. rows
Radish.....	S	S	S	SX	SX	S	S	S	S	S	S	S	3 to 5 weeks	8x 2 bet. row
Rhubarb (seeds).....	S	S	S	S	S	S	S	S	S	S	S	S	3 years	36x36 bet. rows
Rhubarb (roots).....	P	P	P	P	P	P	P	P	P	P	P	P	Second year	36x36 bet. rows
Salsify.....			SX	SX	S	S	S	S	S	S	S	S	4 to 5 months	18x 4 bet. rows
Spinach.....	S	S	S	S	S	S	S	S	S	S	S	S	1 month	Thickly
Squash.....													7 months	24x24 inches
Tobacco.....	S	S	S	S	S	S							3 to 5 months	48x48
Tomato (seeds).....					S						S	S	3 to 5 months	48x48
Tomato (plants).....	S	S	PX	PX	PX	P							8 to 10 weeks	18x 4
Turnip.....	S	S	S	S	S	S	S	S	S	S	S	S		
Turnip, Swede, or Ruta-baga	S	S	S	S	S	S	S	S	S	S	S	S	4 to 6 months	24x12

NUMBER OF TREES OR PLANTS TO AN ACRE

Set at Regular Distances Apart

Distance apart	No. of Plants	Distance apart	No. of Plants	Distance apart	No. of Plants	Distance apart	No. of Plants
3 by 4 inches.....	522,720	4 by 1 foot.....	10,890	6½ by 6½ feet.....	1,031	17 by 17 feet.....	150
4 by 4 inches.....	392,040	4 by 2 feet.....	5,445	7 by 7 feet.....	888	18 by 18 feet.....	134
6 by 6 inches.....	174,240	4 by 3 feet.....	3,630	8 by 8 feet.....	680	19 by 19 feet.....	120
1 by 1 foot.....	43,560	4 by 4 feet.....	2,722	9 by 9 feet.....	537	20 by 20 feet.....	108
1½ by 1½ feet.....	19,360	4½ by 4½ feet.....	2,150	10 by 10 feet.....	435	25 by 25 feet.....	69
2 by 1 feet.....	21,780	5 by 1 feet.....	8,712	11 by 11 feet.....	360	30 by 30 feet.....	48
2 by 2 feet.....	10,890	5 by 2 feet.....	4,356	12 by 12 feet.....	302	33 by 33 feet.....	40
2½ by 2½ feet.....	6,960	5 by 3 feet.....	2,904	13 by 13 feet.....	257	40 by 40 feet.....	27
3 by 1 foot.....	14,520	5 by 4 feet.....	2,178	14 by 14 feet.....	222	50 by 50 feet.....	17
3 by 2 feet.....	7,260	5 by 5 feet.....	1,742	15 by 15 feet.....	193	60 by 60 feet.....	12
3 by 3 feet.....	4,840	5½ by 5½ feet.....	1,440	16 by 16 feet.....	170	66 by 66 feet.....	10
3¾ by 3¾ feet.....	3,555	6 by 6 feet.....	1,200	16½ by 16½ feet.....	160		

WEIGHTS PER BUSHEL

lbs.		lbs.		lbs.		lbs.	
Alfalfa.....	60	Clover, White.....	60	Grass Seed, Crest'd Dogtail	20	Onions.....	57
Artichokes, Jerusalem	60	Alsike.....	60	Hungarian.....	48	Sets.....	32
Barley.....	48	Japanese.....	25	Mesquite.....	7	Peanuts.....	22
Beans, bush and pole.....	60	Corn, Egyptian.....	50	Orchard.....	14	Peas, round seeded.....	60
Castor.....	46	Jerusalem.....	50	Red Top.....	14	Wrinkled.....	56
Broom Corn Seed.....	46	Kaffir.....	50	Rye Grass Perennial.....	20	Potatoes.....	60
Bran.....	20	Shelled.....	56	Rye Grass Italian.....	20	Sweet.....	50
Buckwheat.....	50	Pop.....	70	Timothy.....	45	Rye.....	56
Canary Seed.....	60	Flax Seed.....	56	Hemp.....	44	Sorghum.....	50
Charcoal.....	22	Grass Seed, Blue.....	14	Millet.....	50	Vetches.....	60
Clover, Red.....	60	Brome.....	14	Milo Maize.....	50	Wheat.....	60

VEGETABLE *Germain's* SEEDS

GERMAIN'S RE-CLEANED CLOVER AND GRASS SEEDS

CLOVER AND GRASSES ARE SUBJECT TO FREQUENT MARKET FLUCTUATIONS. WE, THEREFORE, REQUEST YOU TO WRITE FOR PRICES WHEN QUANTITIES ARE WANTED.

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

CLOVER SEEDS

INCREASE YOUR TONNAGE. Expense, time and labor is the same whether your crop be large or small. At a cost of only \$2.00 per acre you can get a fifty per cent. larger tonnage (in clover crops) by inoculating your seed, which we strongly advise. For particulars, see page 6.

ALFALFA. For some years Germain's has made a careful study of Alfalfa Seed, with the idea and the actual results that they are today supplying the finest and purest seed for this great crop of the Southwest. Many a farmer knows of promising stands of alfalfa that were practically ruined by dodder or love vine, caused by foul seed. With the installation of our recleaning plant and the force of our buying power, we can conservatively claim the most perfect stock of seed ever offered, at the lowest possible price.

GERMAIN'S PREMIUM BRAND ALFALFA SEED. We sent our buyers into the fields, and they selected this seed only from growers whose fields were absolutely clean, and, of course, free from any noxious weed seed. The seed is triple cleaned, being cleaned twice in the field and once in our own mills, the run through our mills assuring absolute uniformity. We are selling large quantities of this brand of seed in preference to other grades, as growers are realizing more and more the necessity of purchasing the best and most carefully selected seed. GERMAIN'S PREMIUM BRAND ALFALFA SEED is sold, in quantities of 25 pounds and over, only in bags sealed and stencilled, as follows: "GERMAIN'S PREMIUM BRAND ALFALFA SEED." We will gladly send a sample in order that you may judge of the quality, and we will absolutely guarantee that the seed shipped you will be identical with the sample. 35 cents per pound. \$18.00 per 100 pounds.

Arabian. A direct importation. Recommended by the U.S. Government. Grows taller, is harder and is said to yield one additional crop per year. We recommend it. 50 cents per pound. \$35.00 per 100 pounds.

Turkestan. This variety is far superior to the American product in that it withstands drought and cold weather where the other will perish. In addition to this it yields a larger amount of foliage to the plant, of a finer texture, and without any rough stems, so that stock can eat every particle; 45 cents per pound. \$19 per 100 pounds.

ALSIKE (*Trifolium hybridum*). Very hardy, resisting cold and drought and is also well adapted for sowing on cold wet land. It yields a large amount of hay or pasture and makes a good bee plant; 45 cents per pound.

BURR (*Medicago maculata*). Excellent for dry soils; twelve pounds to the acre. Cleaned seed, not in the burr; pound 30c.

ITALIAN CRIMSON, OR SCARLET (*Trifolium incarnatum*). Used chiefly as a soil improver; 40 cents per pound.

JAPANESE (*Lespedeza striata*). Makes a fine pasture plant for barren land, where it will grow eighteen inches high; on good soil it grows thirty inches. Stock of all kinds relish it. 50 cents per pound.

MAMMOTH RED, OR COW GRASS (*Trifolium pratense* perenne). Very vigorous grower. 40 cents per pound.

RED (*Trifolium pratense*). Should be in all pasture mixtures; 40 cents per pound.

WHITE (*Trifolium repens*). See page 39. Pound 70 cents.

GRASS SEEDS

AWNLESS BROME GRASS (*Bromus Inermis*). Hardy; stands heat and cold well. Adapted for dry regions; 40 cents per pound.

BERMUDA (*Cynodon dactylon*). Of great value as a pasture grass in hot countries; also suitable for lawns where Blue Grass fails; \$1.00 per pound.

CRESTED DOG'S-TAIL (*Cynosurus cristatus*). Roots fibrous and tufted; perennial. A most valuable permanent pasture grass. Tender and nutritious at time of flowering. Pound 60c.

KENTUCKY BLUE. (See page 39); 40 cents per pound.

ORCHARD GRASS (*Dactylis glomerata*). Root fibrous; perennial; flowers in June and July. One of the most valuable of the pasture grasses. Valuable in a mixture; 35 cents per pound.

RED TOP (*Agrostis vulgaris*). For pasture or lawn; 40 cents per pound.

RYE GRASS, ITALIAN (*Lolium Italicum*). A valuable grass for hay and pasture, especially under irrigation; 25 cents per pound.

RYE GRASS, PERENNIAL, OR AUSTRALIAN (*Lolium perenne*). Similar to the Italian in habit of growth, but more permanent; good for lawns. Yields abundantly under irrigation. Highly recommended for lawns in Arizona and New Mexico. See page 39. Price, 25 cents per pound.

TIMOTHY. A most valuable grass for hay. Thrives best on moist, loamy soil; 30 cents per pound.

SEEDS FOR COVER CROPS

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

The importance of a Cover Crop as a cheap and beneficial way of getting humus and nitrogen into the soil is yearly becoming more impressed upon the fruit growers of California. We will be pleased to quote prices on large quantities.

DOUBLE YOUR CROPS of all legumes by inoculating the seed before planting—the greatest agricultural discovery of the century. recommended by the United States Department of Agriculture and agricultural experts throughout the world. (See page 6).

ADVICE. Green manuring is new to a great many farmers, and mistakes are liable to the inexperienced. To save our customers any unsatisfactory experiments we offer free the advice of our experts on the subject. The location, general character of the soil and crops grown will enable us to recommend the best cover crop to use. Don't hesitate to ask questions.

CLOVER

BURR CLOVER. Strongly resembling alfalfa. It is a great nitrogen-gatherer. Orchardists regard it with great favor as a green fertilizer, thriving in shady places where peas fail. Hulled, solid seed, free from burr. Fifteen pounds per acre; 30 cents per pound.

MELILOTUS CLOVER. A strong growing plant of the clover family yielding a large amount of humus and nitrogen and having a great root system. Recommended by the Agricultural Experiment Station of Arizona for sowing in Citrus groves. Sow ten pounds to the acre. Write for free pamphlet on this great cover crop; 25 cents per pound.

COW PEAS

Sixty to Ninety Pounds per Acre

WHIPPOORWILL. A bunch-growing variety; great favorite; brown speckled seed; 20 cents per pound.

BLACK EYE. Used in some sections as food; 20 cts per pound.

NEW ERA. An early maturing variety, which has proved very popular and satisfactory. Upright growing, quick to mature, remarkably prolific, making splendid dry forage; 20c per pound.

FIELD PEAS

Forty or Fifty Pounds per Acre

CANADIAN, WHITE. Highly valued for plowing under in orchards as a soil improver; 20 cents per pound.

PRUSSIAN, BLUE. Similar in habit of growth to the white; 20 cents per pound.

FENUGREEK

FENUGREEK. Admirably adapted for sowing in orchards for cover crop; stands erect and makes a stronger growth than peas. Sow at the rate of twenty pounds to the acre; 25 cents per pound.

VETCHES

SPRING VETCHES, OR TARES. Growing into favor more and more each year for plowing under. They have the advantage over peas in that they make a greater growth of vine, while a smaller quantity is required per acre. Also valuable as a green food for milch cows. 50 pounds to the acre; 20 cents per pound.

SAND OR WINTER VETCH. Used extensively in the south for cover crop and for its forage value. Sow thirty pounds to the acre; 25 cents per pound.

MISCELLANEOUS FIELD SEEDS

In this department we have taken a very strong position, keeping fully up to the enormously increasing demand both for quantity and quality in these seeds. We have made immense purchase contracts, and our recleaning machinery is going full blast every day and night, with the result that we can furnish our customers with seed that will never cause criticism. We are always glad to look up any varieties not listed in our Catalog, or give advice as to proper selections.

IMPORTANT. Field seeds are subject to frequent market fluctuations; we, therefore, request you to write for prices when quantities are wanted. Will gladly quote prices and send samples on any article wanted.

N. B. Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise deduct ten cents per pound or fraction thereof.

ALFILARIA

ALFILARIA (*Erodium cicutarium*). One of the most nutritious of plants; cattle, sheep, horses and hogs alike prefer it to any other natural product of the plains. Pound \$1.00. Sow twenty pounds to the acre.

ARTICHOKE

ARTICHOKE, JERUSALEM (roots). The greatest hog food known, yielding over one thousand bushels to the acre. It can be grown without a great deal of cultivation and no harvesting is necessary. When the roots are full-grown, turn the hogs into the field and they will help themselves by rooting. We can supply the tubers from February until May. Price, 20 cents per pound.

BARLEY

Sow 100 pounds to the acre

HULLESS OR BALD. Does not shell in the field; grows about the same height as the common variety, and two to three weeks earlier. Per 100 pounds \$3.00.

BEARDLESS BARLEY. A new variety; vigorous grower and produces a good crop; beardless and easy to handle. Per 100 pounds \$3.00.

COMMON SIX ROWED. Large heads of large grain; heavy yielder. Per 100 pounds \$2.50.

BEANS

BAYOU. As an article of food they are fully equal to the pink or Mexican "frijole." Per pound 25 cents.

BLACK EYE. We carry a select stock of these beans. They are grown especially for our trade and cannot be compared with the ordinary commercial stock. Pound 20 cents.

CASTOR. Used for planting in poultry yards and ornamental grounds to afford temporary shade and landscape effects. Pound 25 cents.

MEXICAN PINK BEAN. One of the most successfully grown varieties. It is a first-class bean, and people of Spanish descent prefer it to all other varieties. Per pound 20 cents.

SMALL NAVY. The most popular dry bean for cooking. Per pound 20 cents.

LADY WASHINGTON. A small white kidney shaped bean; heavy bearer. Per pound 20 cents.

SOJA. Used as a substitute for coffee, also as a forage plant. They are highly recommended as a soil improver. Pound 25 cents.

BROOM CORN

IMPROVED EVERGREEN. This is one of the favorite varieties for growing in California. It grows from eight to ten feet high. The absence of crooked brush makes it most desirable. Broom corn is a profitable crop to grow, as a market can be found at any broom works. Pound 20 cents, 10 pounds 75 cents.

BUCKWHEAT

SILVER HULL. A prolific and favorite sort, making a fine quality flour. Superior in every way to the ordinary buckwheat; growing longer and being a quicker bloomer. For beekeepers it is one of the best plants to grow. Pound 20 cts., 100 pounds \$5.50.

JAPANESE. This variety ripens a week sooner than the Silver Hull; yields more largely than that variety. Per pound 20 cents, 100 pounds \$5.50.

CORN

FIELD CORN. See general list, page 15.

KAFFIR, WHITE. Unsurpassed for dry alkali land, on which no better fodder and grain crop grows. A prolific member of the sorghum family, having more foliage and smaller stalks than the other varieties, and harvested very easily. Its great root system enables it to produce wonderfully in drouth sections and breaks up new ground for other crops. Cattle relish the stalks, while the grain is a very valuable food for poultry. Pound 20 cents.

EGYPTIAN WHITE. Similar to above. Per pound 20 cents.

MILK MAIZE. Grain is excellent for chicken feed, and the stalks for fodder. Pound 20 cents.

MILK MAIZE, DWARF. This is essentially a dry land crop, and where the rainfall or water supply is limited or expensive, you can find no more profitable forage and dry feed crop. Belongs to the sorghum family of tropical Asia and Africa where it is the main grain crop. It grows a stalk four to five feet high, with large, compact, erect heads, and cattle especially like the sweet flavor of the stalk. Pound 20 cents.

CANARY SEED

CANARY. Used for bird food. It is also used as an ornamental grass and for hay purposes. Price, 20 cents per pound.

COTTON

Cotton is extensively cultivated in various parts of the globe within the thirty-fifth parallel of latitude. The plant is rather delicate and requires a moderately rich and sandy loam soil, such as river bottoms, for its proper development.

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

SEA ISLAND (*Gossypium Barbadense*). This has a beautiful long-stapled silky wool and bears a yellow flower; 10 cents per ounce, 50 cents per pound.

TENN. UPLAND; 10 cents per ounce 50 cents per pound.

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

FLAX

FLAX. When grown for seed, plant forty pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per pound 25 cents.

HEMP

HEMP is sparingly grown in Southern California. The seed is used for birds. Its fibre is in big demand. Per pound 20 cents.

LENTILS

LENTILS. Used for the table growth and habits similar to the pea. Quite a favorite in California. Per pound 25 cents.

RAPE

DWARF ESSEX. This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to eight weeks from the time of sowing. The fattening properties of Rape are said to be very much better than those of clover. It also makes splendid green feed for poultry. Rape is best sown in drills, at the rate of three to five pounds per acre, or it can be sown broadcast, when from six to eight pounds per acre should be used. Per pound 20 cents, 100 pounds \$10.00.

RICE

WILD (*Zizania Aquatica*). Grows in shallow water with mud bottom. The plant makes an excellent shelter for wild fowl. Pound 35 cents.

MILLET

COMMON. Very early; abundant foliage. Pound 20 cents. Per 100 pounds \$3.75.

EGYPTIAN PEARL (*Penicillaria spicata*). Is an excellent fodder plant, attaining a height of five feet and over. Highly relished by cattle. Pound 30 cents.

GERMAN. A valuable fodder plant. Makes excellent hay. Sow 25 pounds to the acre. Pound 20 cents. Per 100 pounds \$4.00.

HUNGARIAN. Will stand drought and grow on ordinary soil. Pound 20 cents. Per 100 pounds \$4.00.

JAPANESE. Great claims are made for it as to productiveness and value as a forage plant. Superior to corn fodder in feeding for milk. Grows six to eight feet high. Sow forty pounds per acre. Pound 20 cents.

SIBERIAN OR RUSSIAN. Claimed to be the most wonderfully productive and satisfactory forage plant, possessing in a superior degree all of the essential merits of the older sorts. Pound 20 cents. Per 100 pounds \$4.00.

VEGETABLE *Germain's* SEEDS

MISCELLANEOUS FIELD SEEDS (Continued)

OATS

Sow 100 pounds to the acre

RED RUST-PROOF (Texas Grown). A heavy yielder and sure cropper and entirely rust-proof; best variety for growing in California. Per 100 pounds \$2.50.

RED RUST-PROOF (California Grown). Extra choice and heavy, cleaned seed; free from all light and chaffy seeds. Per 100 pounds \$2.25.

PEANUTS

VIRGINIA PEANUTS. Plant when weather is warm. A warm, porous, sandy soil, put into a good friable condition and freed from weeds, is most suitable. Remove the pods without injuring the kernel, and place contents in bags or baskets, a small quantity in each, where there is a free circulation of air, until needed for planting. Reject all shriveled kernels. It requires thirty-five pounds of peanuts in the hull to an acre. Plant in rows three feet apart and one foot apart in the row. Cultivate often and keep the ground loose, as after the blossoms drop the peduncles enter the soil at the base and form the peanut. First quality, pound 30 cents.

PEAS

See List of Cover Crop Seeds, page 35.

GARBANZO or CHICK PEA. Culture same as Bush Beans; withstands dry weather well; grows two feet high, making a bushy, hairy plant. The ripe seeds are very desirable for cooking. Per pound 20 cents.

RYE

Sow 100 pounds to the acre

RYE. An excellent catch crop for fodder or grain; also very desirable to sow with legumes for cover crops. Per 100 pounds \$2.50.

SALT BUSH

AUSTRALIAN (Atriplex semi-baccatum). Will grow on alkaline soils. Much relished by stock, supplying the necessary salt. One pound of seed to the acre if sown broadcast; four ounces if transplanted. In cutting fodder be careful not to injure the crown of the plants. Ounce 15 cents; pound \$1.00.

AUSTRALIAN "OLD MAN." A distinct species different from the Atriplex semi-baccatum. It succeeds on alkali land as well, and withstands drought. Plant in hills six feet apart each way, several seeds to a hill, thinning out to the two strongest plants. Packet, 10 cents, ounce 30 cents, pound \$3.00.

SORGHUM

EARLY AMBER. Furnishes a large yield of most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows ten to twelve feet high. Sow broadcast for forage at the rate of 60 pounds per acre. When sown in drills, sow at the rate of 10 pounds per acre in drills three and a half to four feet apart. Per pound 20 cents. Per 100 lbs. \$4.00.

SPELTZ

SPELTZ, OR EMMER. A valuable substitute for oats and barley. It outyields oats, barley, wheat, etc., in bushels per acre and is superior to oats and barley for feed. Pound 20 cents. \$4.00 per 100 lbs.

SUNFLOWER

MAMMOTH RUSSIAN. Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Per pound 20 cents.

TAGASASTE

TAGASASTE OR TREE ALFALFA. Grows in shrub form; foliage resembles alfalfa. Excellent for hill pasture on account of its habit of growth and great drought-resisting qualities. Packet 10 cents, ounce 25 cents, pound \$2.50.

TEOSINTE

TEOSINTE. Resembles corn, but leaves are much larger; very nutritious. Ounce 15 cents, pound \$1.35.

TOBACCO

Tabaco

Tabak

Tabac

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

CONNECTICUT SEED LEAF. Grows to a height of about five feet, with leaves two and a half to three feet in length and from fifteen to twenty inches broad, one of the best varieties for cigar wrappers. Per packet 10 cents, 60 cents per ounce.

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

American Grown Per packet 10 cents, ounce 30 cents, pound \$3.00.

Cuban Grown (Vuelta de Abajo). Per packet 10 cents, ounce 60 cents, pound \$6.00.

SUMATRA. Per packet 10 cents, \$1.00 per ounce.

TURKISH CIGARETTE (Sam Sue). Per packet 10 cents, 60 cents per ounce.

WHEAT

Sow 75 to 90 pounds to the acre

BLUE STEM. A large, white wheat of excellent quality for milling. Per 100 pounds \$2.50.

DEFIANCE. A rust-proof variety that stands up well; produces a large crop; large heads and plump kernels. True pedigree stock. Per 100 pounds \$3.00.

FORTY FOLD. One of the best milling wheats. Per 100 pounds \$2.50.

RED RUSSIAN. Yields a heavy crop, kernels large and uniform. Per 100 pounds \$2.50.

SHALLU OR EGYPTIAN WHEAT. Belongs to the sorghum family, and is one of the most drought resisting grain crops known. Especially suited to dry land farming operations and localities where the normal rainfall is limited. Under irrigated conditions it grows to best advantage, and in the Salt River Valley yields as high as 7,000 pounds per acre of grain. The grain is claimed to possess all the feeding values of wheat, and is especially valuable as a feed for hogs, chickens and cattle. The fodder is much relished by cattle, as it is finer and not so woody as the other sorghums. The plant grows to the height of about 6 feet and suckers freely, each plant producing several heads, and often as many as seven to the single root, the grain sometimes weighing 2½ pounds to the plant. It is not hard to raise a good crop, and its culture is the same as Milo Maize when grown for grain, being planted in rows about 3 feet apart, but for best results the seed should not be planted too thickly in the rows—8 inches apart being about right. When given too much water the plant has a tendency to grow to stalk, and with the heavy head of grain at the end of the stalk the weight is such as to cause the tender stalk to bend over and be broken in a heavy wind, consequently much better results will be obtained by growing with too little water rather than too much. Price per pound 30 cents, 10 pounds \$1.50, 100 pounds \$10.00.

SMALL CLUB. A northern variety that is being grown by a great many in California; grows free from smut. Per 100 pounds \$2.50.

SONORA. An early maturing variety and a sure cropper. Per 100 pounds \$2.50.

TURKEY RED. A hard red wheat, runs high in gluten and most desirable for poultry feeding. Per 100 pounds \$2.75.

It will pay you to investigate the

GERMAIN FARMLANDS COMPANY

You will find it outlined on page one. Write us for any further information desired.

FLOWER *Germain's* SEEDS

FLOWER SEED DEPARTMENT

A FEW CULTURAL SUGGESTIONS

PROPER appreciation of plants and flowers marks the progress of both individuals and nations; the greatest nations of the earth being those with whom the love of floriculture is most in evidence. To the lover of flowers, what can be more interesting than to sow the seed, water and otherwise care for the growth and development of the plant, and at last enjoy the expansion of the flowers? What does the sense of proprietorship of the purchaser of flowers compare to that of the grower of them? The latter feels that they are verily his own, the results of his fostering care. Among the flowers which may be grown with a minimum amount of care and expense are those varieties which reproduce themselves from seeds. They are variously classed as Annuals, Biennials and Perennials, and these are subdivided into Hardy, Half-hardy and Tender varieties of each class.

HARDY ANNUALS are those plants which may be sown in the open air. They grow, flower, produce seed and then die.

HALF-HARDY ANNUALS are those varieties which require an even temperature of at least sixty degrees to germinate the seed, and will not stand frost; consequently they must not be sown in the open ground during the fall or winter months, and not in the spring till April. A good rule for those to follow who wish to sow this class is to wait for the proper weather and season in which to sow corn, melon or pumpkin seeds.

TENDER ANNUALS are those that require greenhouse protection, as Calceolarias, etc.; the seeds are usually very fine, and it requires skill and care to raise them.

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

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

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

TENDER PERENNIALS are those species that require greenhouse or other protection during the greater part of the year, as they are, generally speaking, natives of tropical countries.

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

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

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

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

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

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

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

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

FLOWER *Germain's* SEEDS

CENTRAL PARK, LOS ANGELES
This lawn planted with Germain's Extra Recleaned Grass Seed

HINTS ON THE FORMATION OF LAWNS

Ask for Germain's free booklet "Lawns—Making and Proper Care."

See that the ground is well prepared. Dig or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps, and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of five inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary; then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface at the rate of 150 pounds to the acre (for Blue Grass), one pound to sixteen feet square. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is three inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed. The roller should be used frequently during the season, and a dressing of lawn fertilizer once a year is necessary to the maintenance of a good lawn.

FERTILIZING—Nothing will give a lawn the rich, deep green velvety appearance so much admired like a liberal dressing of a good fertilizer. Our fertilizers are specially prepared with that end in view and we can strongly recommend them. They should be used at the rate of one and one-half or two pounds to 100 square feet.

WEEDS—In the Southwest weeds in a lawn are the bane of every one's existence. Do not take the line of least resistance and immediately blame the seed or the seedsman. Grass seeds are invariably given a great deal of care and attention in order to eliminate weeds, and the seed we sell is absolutely free from all weed seed. Weed seed is in the ground, and in this country where the grass is dry so great a part of the year the winds will blow them on to the lawn, into the water that you use, and even the birds will carry them, for which there is absolutely no remedy; and if you want a lawn, you must not only expect weeds, but you must also pull them as soon as they appear.

LAWN GRASS SEED

N. B.—Prices on half pound and one pound include postage or expressage prepaid. When sent otherwise, deduct ten cents per pound or fraction thereof.

KENTUCKY BLUE GRASS. The seed we offer is extra fancy recleaned seed, the finest and purest grade obtainable anywhere. Per pound 40 cents.

WHITE CLOVER. Our seed is strictly first-class, absolutely clean and pure and of the highest quality. Per pound 70 cents.

AUSTRALIAN, OR PERENNIAL RYE GRASS. An extremely hardy sort, requiring less fertile soil and withstanding more hardships. Used extensively in Arizona and becoming very popular in Southern California. Per pound 25 cents, 10 pounds \$1.25.

LIPPIA REPENS. See page 89.

NOTE—We strongly recommend, in order to obtain a hardy and healthy lawn, that you use a mixture of Blue Grass and White Clover. Where there is no preference in the matter, we advise a mixture of two-thirds Blue Grass and one-third White Clover.

LAWN FERTILIZERS

BRADLEY'S LAWN AND GARDEN FERTILIZER. We know of no higher grade commercial fertilizer than this justly popular manufacture. It is the result of years of experimenting and testing, and with such a product at hand it is folly to use barnyard manure. It is sown like grain, and after sprinkling is removed from sight. It leaves no smell and cannot possibly introduce weeds into the lawn. Ten pounds will cover 250 feet of lawn. Price, 10 pounds 40 cents, 100 pounds \$3.00.

PULVERIZED SHEEP MANURE. This is not the weather bleached or adulterated kind that is often found, but is specially prepared and carefully handled so that it possesses all of the elements of a high class fertilizer, free from weed seeds, and strong in plant food. Per pound 5 cents, 30 pounds \$1.00, 50 pounds \$1.30, 100 pounds \$2.25.

FINE GROUND BONE MEAL. Good for top dressing and general fertilizing purposes. Per pound, 5 cents, 25 pounds \$1.00, 50 pounds \$1.50, 100 pounds \$2.50.

DOMOTO LAWN FERTILIZER. Our own brand, acts quickly and gives excellent results. Per pound 5 cents, 25 pounds \$1.00, 50 pounds \$1.50, 100 pounds \$2.50.

FLOWER *Germain's* SEEDS

PLANTING TABLES FOR FLOWER SEEDS BY MONTH

Germain **JANUARY** Continue to plant lilies. Hardy Annuals may be sown out-of-doors, such as Abronia, Ageratum, Calendula, Godetia, Larkspur, California Poppy Mignonette. All kinds of Evergreen and Deciduous Shrubs can now be planted.

Germain **February** Start Gladioli, Dahlias, Tuberose and finish planting Lilies. Sow any hardy annuals such as Marigold, Annual Poppies and especially Sweet Peas. Half-Hardy annuals such as Asters and Tuberous-rooted Begonias we recommend for the last of this month. This is the best month for Acacia seeds. Soak twenty-four hours before sowing.

Germain **MARCH** Continue planting Gladioli and Dahlia Bulbs for succession. Nicotiana, Portulaca, Salpiglossis and all hardy and half-hardy annuals may now be sown with safety in the open garden. Alternanthera and all border plants raised in boxes may be planted with safety as all danger from frost is now over.

Germain **APRIL** Plant Dahlias, Gladioli, Tuberose, Tuberous Begonias and all summer flowering bulbs. Continue sowing hardy and half-hardy Annuals. Watch Rose Bushes for Green Aphid and if troubled use tobacco dust freely.

Germain **MAY** As Hyacinths, Tulips, Narcissi, etc., die down the Bulbs should be dug and stored in a cool dry place till Fall when they may be replanted. Half-hardy and other Annuals may still be sown. The garden should now be brilliant with flowers and all sowing completed this month.

Germain **JUNE** Trim edgings of borders and hedges and carefully attend to watering. Sow Ten Weeks Giant Perfection Stocks for winter flowers. Start Eucalyptus and Cypress from seed for Winter planting.

Germain **JULY** Dig Bulbs and store as they ripen. Sow perennial flower seeds in shady situations. Continue sowing Eucalyptus and Cypress.

Germain **AUGUST** This is the best month in the year to sow hardy perennials most varieties sown this month will flower next year. Sow Calceolaria, Cineraria, Pansy and Primula seeds and commence planting Christmas Sweet Peas. Continue planting Eucalyptus and Cypress.

Germain **SEPTEMBER** Continue sowing Christmas Sweet Peas and Pansies. Plant Roman Hyacinths. Prick off Calceolaria and Primulas sown last month into pots and continue sowing same for succession. Sow all hardy Annuals and Perennial.

Germain **OCTOBER** Hyacinths, Tulips and all Dutch Bulbs should be planted freely this month; also early Lilies. Continue sowing Pansies, hardy Annuals and Perennials.

Germain **NOVEMBER** Continue planting Dutch Bulbs and Lilies of all kinds. Plant Roses, Evergreens and deciduous shrubs. Form new lawns and renovate old ones. Dig and manure borders and fertilize your lawns.

Germain **DECEMBER** Operation same as last month.

AIDS IN THE SELECTING OF FLOWER SEEDS FOR SPECIAL PURPOSES

BACKGROUNDS & BORDERS

LARGE SHOWY ANNUALS

Amaranthus	Lupinus
Celosia Plumosa	Marigold
Cosmos	Nicotiana
Datura	Poppy (Tall sorts)
Hibiscus	Ricinus
Larkspur	Salvia
(Branching)	Sunflower
Lavatera	Zinnia

DWARFER SORTS

Alyssum (Hardy)	Dianthus (Hardy)
Anemone	Myosotis
Armeria	Pansy
Candytuft (Hardy)	Pinks (Hardy)
Carnation	Polyanthus
Cerastium	Sweet William
Daisy, Double	Valerian
	Violet

EDGING WALKS, ETC.

Ageratum	Myosotis
Alyssum	(Forget-Me-Not)
Asters, Dwarf	Phlox, Dwarf
Candytuft	Pinks, Chinese
Cosmos, Yellow	Pyrethrum
Dusty Miller	(Golden Feather)
(Centaurea)	Sweet Pea, Cupid
Globe Amaranth	Nasturtium Dwarf
Lobelia	Nigella Dwarf
Marigold, Dwarf	Zinnia, Dwarf

Acroclinum
Antirrhinum
Aquilegia
Aster
Calendula
Calliopsis
Campanula
Centaurea
Carnation
Chrysanthemum
Coreopsis
Cosmos
Dahlia
Delphinium
Dianthus
Eschscholtzia
Gaillardia
Geum
Gladiolus
Gypsophila
Helianthus
Hunnemania
Larkspur
Lupinus

Amaranthus
Centaurea
" Candidissima
Coleus

CUTTING

Lychnis
Marigold
Matricaria
Mignonette
Myosotis
Nasturtium
Pansy
Pentstemon
Phlox
Poppy
Pyrethrum
Rhodanthe
Salpiglossis
Scabiosa
Schizanthus
Stock
Sweet Pea
Sweet Rocket
Sweet William
Sweet Sultan
Verbena
Wallflower
Zinnia

FOLIAGE

Pyrethrum
Perilla
Ricinus
Zea Japonica

BEDS AND MASSING

Ageratum	Dianthus
Alyssum	Eschscholtzia
Antirrhinum	Gaillardia
Aster	Geranium
Balsam	Lobelia Compacta
Calendula	Marigold
Calliopsis	Nasturtium, Dwarf
Candytuft	Pansy
Carnation	Petunia
" Marguerite	Phlox Drummond
Celosia	Poppy
Chrysanthemum	Portulaca
(Annual)	Salvia Splendens
Convolvulus Minor	Stock
Coreopsis	Verbena
Grandiflora	Vinca
Dahlia	Zinnia

PARTLY SHADY PLACES

Anagallis	Mimulus Moschatus
Anemone	(Musk)
Antirrhinum	Mimulus
Aquilegia	(Monkey Flower)
Asperula	Myosotis
Auricula	(Forget-Me-Not)
Begonia, tuberous	Nemophila
Canterbury Bells	Oenothera
Coreopsis	Pansy
Daisy, Double	Polyanthus
Delphinium	Poppy
Flax, Scarlet	Schizanthus
Foxglove	Torenia
Matricaria	Violet

Raffia—For Making Indian Baskets

Basket making by the Indian is not merely a passing whim, but a true work of art into which they weave their hope, desire, love, religion, poetry, national pride, and mythology. You too can make your baskets your poem, your sculpture, your painting and they will be a joy forever.

The beautiful and useful articles that can be made of this material besides Indian Baskets are so numerous that space will not allow us to mention more than a few of them, such as Hats, Table Mats, Opera or Hand Bags, Sofa Pillows, etc.

We carry in stock large quantities of the Reeds and Raffia for making Indian Baskets.

PRICE LIST—RAFFIA

Natural, per bunch (7 ounces) . \$0.10	Colored, per ounce \$0.05
Natural, per pound20	Colored, per pound75
Add 2c per ounce or 18c per pound for postage.	Needles, per dozen .10

LIST OF COLORS

Black, Lavender, Pink, Purple, Blue	Light Brown, Medium Brown,
Bright Red, Medium Red, Indian Red	Dark Brown.
Light Green, Medium Green, Olive Green	Orange, Yellow.

Send for sample of colors.

REEDS, CHINESE

Put up in 2 ounce bunches, 10 cents per bunch, or 60 cents per pound. Add 2 cents per ounce or 18 cents per pound for postage.

FLOWER *Germain's* SEEDS

ANNUALS

All 5 cent packets at 50 cents per dozen; 10 cent packets at \$1.00 dozen; 15 cent packets \$1.50 dozen; 25 cent packets \$2.50 dozen.

COLLECTIONS

Twelve fine varieties of Annual Flower Seeds, 50 cents.

Six Fine Varieties of Annual Flower Seeds, 25 cents

Price \$1.00

HARDY ANNUALS

Regular Value \$1.40

ALYSSUM SWEET. White, height $\frac{3}{4}$ ft.
ARCTOTIS GRANDIS. White with blue disc, height 2 ft.
BALSAM (Lady's Slipper). Height 2 ft.
CALENDULA (Prince of Orange). Brilliant Orange, height $\frac{3}{4}$ ft.
CANDYTUFT. Pink, height 1 ft.
CANDYTUFT. Empress white, height 1 ft.
CENTAUREA IMPERIALIS. Finest mixed, height 2 ft.
CHRYSANTHEMUM. Choice mixture, height 2 ft.
CALIFORNIA POPPY. Golden yellow, height 1 ft.
CORN FLOWER (Ragged Sailor). Blue, height 2 ft.
GODETIA. Extra fine mixed, height $1\frac{1}{2}$ ft.

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

AERONIA UMBELLATA (Sand Verbena). Delicate rose. Pkt.
 Beautiful native trailer. Height $\frac{1}{4}$ ft. \$0.05
ADONIS FLOS (Pheasant's Eye). Crimson, with black
 eye. A beautiful showy, free-flowering plant. Height
 1 ft.05
AGERATUM MEXICANUM. Fine for bedding or mixed
 borders.
Imperial Dwarf Blue. Height $\frac{3}{4}$ ft.05
Imperial Dwarf White. Height $\frac{3}{4}$ ft.05

ALYSSUM

ALYSSUM. B. Well-known fragrant annuals. Pkt.
Germain's Compact. Dwarf, White. Height $\frac{1}{2}$ ft. \$0.05
Sweet. White. Height $\frac{3}{4}$ ft.05
AMARANTHUS. Hh. The Amaranthus are splendid
 plants to give a tropical effect in mixed borders and
 shrubbery. Plant in sunny places and poor soil.
Melancholicus (Ruber). Blood-red. Height 1 ft.05
Salicifolius (Fountain Plant). Purple, crimson and
 gold. Height 3 ft.05
Tricolor (Joseph's Coat). Red, green and yellow. Height
 1 ft.05
ANAGALLIS (Pimpernel). Mixed various colors. Free-
 blooming, attractive plant for borders. Height $\frac{1}{2}$ ft.05

ARCTOTIS GRANDIS

ARCTOTIS GRANDIS. Pure white, reverse of petals
 pale lilac. The plants are of easy culture and flower
 abundantly from early summer till fall. Height
 2 to $2\frac{1}{2}$ ft. \$0.10
ARGEMONE (Mexican Poppy). Mixed, white and yellow.
 Very showy. Height 2 ft.05
ARNEBIA CORNUTA (Arabian Primrose). B. Yellow,
 spotted with black or maroon. Height $1\frac{1}{4}$ ft.15

GERMAIN'S GIANT COMET BRANCHING ASTERS

Even with the most expensive reproduction process it is difficult to convey the real beauty of the splendid development of the good old Aster. The iridescent coloring of these great chrysanthemum like flowers nearly as large as a saucer, with beautiful curved petals, makes a brilliant display in the garden, and the fact that they will keep well as cut flowers for a week or ten days is especially appealing to the busyhouse wife. The Giant Comet and American Branching varieties are the favorites among florists.

The Lacy Aster is a distinct class with very narrow leaves and remarkable free flowering qualities, and is one of the finest for cutting purposes. The plants grow to a height of about two feet, are of full foliage and droop just enough for a graceful appearance. Planted from February

to May, the Aster will furnish a continuous reward of gorgeous bloom from July to October. It grows easily, likes sunshine and a moderate amount of water.

AMERICAN BRANCHING.		Pkt.
Crimson.	Height 1½ ft.	\$0.10
Flesh-pink.	Height 1½ ft.	.10
Lavender.	Height 1½ ft.	.10
Purple.	Height 1½ ft.	.10
Rose-pink.	Height 1½ ft.	.10
White.	Height 1½ ft.	.10
Mixed.	Height 1½ ft.	.10
BETTERIDGE'S QUILLED. Mixed		
	Height 1½ ft.	.10
COCARDEAU, or CROWN.		
	White centers, mixed, white. Hgt 1½ ft.	.10
CREGO.		
	Flesh Pink.	.10
	White.	.10
DWARF PYRAMIDAL BOQUET.		
	Mixed. Height ¾ ft.	.10
DWARF CHRYSANTHEMUM		
	FLOWERED. Mixed, 1 ft.	.10
	LADY MIXED. Height 1 ft.	.10
TRUFFAUT'S PEONY-FLOWER-		
	ED PERFECTION. Mixed.	
	Height 1½ ft.	.10
	White. Height 1½ ft.	.10

GIANT COMET BRANCHING

Crimson.	Height 2 ft.	.25
Flesh.	Height 2 ft.	.25
Lavender.	Height 2 ft.	.25
Rose.	Height 2 ft.	.25
White.	Height 2 ft.	.25
Mixed.	Height 2 ft.	.15

The Collection of six for \$1.00

For Aster Plants see page 90.

FLOWER *Germain's* SEEDS

ANNUALS (Continued)

BALSAM

Balsams, or "Touch-me-nots," are among the finest of our annuals, either for garden or pot culture. We offer none but the finest strains. Half-hardy.

BALSAM , Double Rose-Flowered. Mixed. Height 2 ft.	Pkt. \$0.10
Camella-flowered . Mixed. Height 2 ft.	.10
Dwarf . Mixed. Height 1 ft.	.05
Carnation-striped . Mixed. Height 2 ft.	.10
Solferino . White, lilac and scarlet. Height 2 ft.	.10

BALSAM or TOUCH-ME-NOT.

BARTONIA AUREA . Yellow. Height 1 ft.	\$0.05
BRACHYCOME IBERIDIFOLIA (Swan River Daisy). Free-blooming plants, with cineraria-like flowers. Native of Western Australia. Mixed. Height 1 ft.	.05
BROWALLIA ELATA . Hh. Mixed. Height 1½ ft.	.10
CACALIA COCCINEA (Flora's Paint Brush). B. Scarlet. Height ½ ft.	.05
CALANDRINIA UMBELLATA . Portulaca-like plants, fond of sunshine, well-suited for rock-work. Vivid crimson. Height ¼ ft.	.05
CALCEOLARIA HYBRIDA SUPERBA . T. The seed we offer has been hybridized by the best cultivators, and is the most superb strain procurable. Beautifully blotched, mottled and striped. Sow in August. Height 1½ ft.	.50
CALENDULA OFFICINALIS (Pot Marigold). Easy culture. Meteor. Yellow striped and bordered orange, height 1½ ft.	.05
Prince of Orange . Height ¾ ft.	.05
CALLIOPSIS . B. Also called Coreopsis. See Perennials. Bicolor. Yellow and brown. Height 2 ft.	.05
Coronata . Yellow, large-flowered. Height 2 ft.	.05
Fine Mixed . All colors. Height 2 ft.	.05
CANDYTUFT . B. Good for bedding in masses. Carter's Carmine. Height 1 ft.	.10
Empress . White. Height 1 ft.	.10
Little Prince . White. Height ½ ft.	.10
Purple . Height 1 ft.	.05
White . Height ¾ ft.	.05
White, Fragrant . Height 1 ft.	.05
Fine Mixed . All colors. Height 1 ft.	.05

CATCHFLY . Fine mixed. Height 1 ft.	Pkt. \$0.05
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CELOSIA

CELOSIA. Hh. Celosia cristata is the Cocks-comb; Celosia pyramidalis is the feathered variety.

Cristata Empress . Dwarf, crimson, splendid. Height ¾ ft.	Pkt. \$0.15
Glasgow Prize . Crimson. Height 1 ft.	.15
Finest Mixed . Height ¾ to 1 ft.	.10
Pyramidalis . Mixed. Height 2 ft.	.05

CENTAUREA

CENTAUREA. B. The Cyanus varieties are the well-known Corn Flowers. The Moschata varieties and Suaveolens are the old-fashioned Sweet Sultans.

Chameleon . Flowers similar in shape to C. Marguerite, but varying in color from light yellow or straw-color to pink and yellow, or light rose. Height 1½ ft.	\$0.10
Cyanus, Emperor William . Sky-blue. Height 2 ft.	.05
Dark blue . Height 2 ft.	.05
Pink . Height 2 ft.	.05
White . Height 2 ft.	.05
Mixed . Height 2 ft.	.05
Imperialis . Brilliant rose, lavender, purple, white and mixed. Height 2 ft.	.10
Marguerite . Large, pure white flowers, about 2½ inches in diameter, with edge and petals beautifully tubed and twisted. Height 1½ ft.	.10
Moschata . White. Height 3 ft.	.05
Suaveolens . Yellow. Height 1½ ft.	.05
Mixed . Height 1½ to 3 ft.	.05

CENTAUREA IMPERIALIS

FLOWER *Germain's* SEEDS

ANNUALS (Continued)

CENTRANTHUS. B. Mixed, various colors. Showy Pkt.
annuals, with valerian-like flowers. Height 1 ft. \$0.05

CHRYSANTHEMUM

CHRYSANTHEMUM. (See also Perennials page 57.) The Pkt.
annual Chrysanthemum is rapidly rising in favor, be-
ing showier than the Marguerite, and of diverse colors.

Tricolor album. White. Height 2 ft. \$0.05

Burridgeanum. White, with crimson ring. Height 2 ft.05

W. E. Gladstone. Rich crimson. Height 2 ft.05

Coronarium. Double White. Height 2 ft.05

Double yellow. Height 2 ft.05

Morning Star. New beautiful pale yellow flowers, fine
for cutting.10

Double Mixed. Various colors. Height 2 ft.05

CINERARIA HYBRID. T. (See also Perennials.) Valu-
able winter and spring flowering pot plants for window
or greenhouse culture. Choice mixed. Height 1 ft.50

CLARKIA ELEGANS. Double rose. Height 1½ ft.05

Fine Mixed. All kinds. Height 1½ ft.05

CLINTONIA PULCHELLA. Pretty for rock work. Blue,
white and yellow. Height ½ ft.10

COLLINSIA BICOLOR. Purple and white. Height 1 ft.05

CONVOLVULUS MINOR (Dwarf Morning-glory). Mixed
colors. Height 1 ft.05

CORN FLOWER. (See Centaurea.)

COSMOS

COSMOS

COSMOS. B. Showy flowers of easy cultivation. Pkt.
White. Height 4 ft. \$0.05

Pink. Height 4 ft.05

Fine Mixed. Height 4 ft.35

Lady Lennox. A delightful shell-pink. 4 to 5 inches in
diameter.10

Mammoth Perfection. White. Height 4 ft.10

Crimson. Height 4 ft.10

Pink. Height 4 ft.10

Yellow. Height 4 ft.10

Mixed. Height 4 ft.10

COSMIDIUM BURRIDGEANUM. B. Resembles Calliop- Pkt.
sis. Maroon and yellow. Height 2 ft. \$0.05

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

DIMORPHOTHECA AURANTIACA. Orange colored,
daisy-like flower; fine for parkways.10

ESCHSCHOLTZIA (California Poppy). See page 63.

EUTOCA. Mixed. B. Various colors. Height ½ ft.05

FENZLIA DIANTHIFLORA. Pink and white. Height ¼ ft.15

GAURA LINDHEIMERI. Rosy white. Fine for masses or
mixed borders. Height 3 ft.10

GILIA TRICOLOR. Violet, Yellow and White. Height 1 ft.05

Dwarf Sorts. Mixed. Height ½ ft.05

GODETIA. Splendid, profuse bloomers for borders and
groups.

Amoena. Dark rose, native variety. Height 1½ ft.05

Duchess of Albany. Large white. Height 1½ ft.05

Gloriosa. Dark blood-red with satin luster. Height ¾ ft.05

Lady Albermarle. Dark crimson. Height 1½ ft.05

Rubicunda Splendens. Red. Height 1½ ft.05

The Bride. Crimson and white. Height 1½ ft.05

Finest Mixed. Height 1½ ft.05

GYPHOPHILA ELEGANS. B. Rosy white. Very grace-
ful. Height 1½ ft. See also Perennials page 58.05

HELIANTHUS. Ornamental double varieties of the well-
known Sunflower. Good for backgrounds.

Californicus. Double. Height 6 ft.05

Cucumerifolius. "Stella." Single golden yellow with
black center. Height 3½ ft.10

Globosus fistulosus. Double quilled. Height 6 ft.05

Nanus. Dwarf; double. Height 3 ft.05

HIBISCUS AFRICANUS. Yellow, with dark center.
Height 2 ft. See also Perennials.05

ICE PLANT (Mesembryanthemum crystallinum). White.
Trailer.05

KAULFUSSIA AMELOIDES (Cape Marguerite). B.
Mixed. Height 1 ft.05

KOCHIA (Summer Cypress). A beautiful, decorative bush
for lawn. Light green foliage, changing to carmine or
fiery red toward autumn.10

LARKSPUR (Dwarf Rocket). Mixed. Height 2 ft.05

Emperor. Azure Blue. Height 2½ ft.05

Rose. Height 2½ ft.05

Tall Stock-flowered. Mixed. Height 2½ ft.05

LAVATERA TRIMESTRIS. Red. Height 2½ ft.05

LAVATERA

FLOWER *Germain's* SEEDS

ANNUALS (Continued)

LIMNANTHES DOUGLASII. Sometimes called Yellow Pkt.
Nemophila. Yellow. Height 1-3 ft. \$0.05

LINUM GRANDIFLORUM RUBRUM (Crimson Flax).
Crimson. Unsurpassed for brilliancy and duration of
bloom. Height 1 ft. .05

LOBELIA

LOBELIA. Pretty plants for edging or hanging baskets. Pkt.
See also Perennials.

Erinus erecta. Blue. Height ½ ft. \$0.10

Crystal Palace Compacts. Dark blue. Height 1-3 ft. .10

Emperor William. Light blue. Compact. Height 1-3 ft. .10

LOVE-LIES-BLEEDING (Amaranthus caudatus). Crim-
son. Height 2 ft. .05

LUPINUS. See also Perennials.

Mixed Annual Varieties. B. Height 2 to 3 ft. .05

Nanus. Dwarf, blue. Height ½ ft. .05

MALOE GRANDIFLORA PURPUREA. Reddish purple.
Height 2 ft. .05

MARIGOLD

CULTURE—Marigolds are hardy annuals and old favorites
in our gardens. They are all showy, especially in masses. Sow
the seed broadcast, or in rows in well spaded and finely prepared
soil, covering not more than one-eighth inch deep, and thin out
to 6 or 10 inches apart.

MARIGOLD. Favorite showy plants for mixed borders. Pkt.
See also Calendula.

Germain's **African.** Lemon-colored. Height 2 ft. \$0.05

Orange. Height 2 ft. .05

Mixed. Height 2 ft. .05

French. Mixed. Height 1 ft. .05

French Dwarf Orange. Height 1 ft. .05

Dwarf Striped. Height 1 ft. .05

Legion of Honor. Golden Yellow, marked with vel-
vety brown. Height ¾ ft. .05

AFRICAN MARIGOLD

MATHIOLA BICORNIS (Night-scented stock). Purple; Pkt.
fragrant. Height ½ ft. \$0.05

MESEMBRYANTHEMUM TRICOLOR (Dew Plant). For
edge or rockwork. Purple, rose and white. Trailer. .05

MIGNONETTE

MIGNONETTE

CULTURE—This well known plant, is in fact a small annual
shrub and grows wild on the sandy shore of Algiers. The name
Mignonette is French and stands for "Little Darling." No
garden should be without this sweet little plant. Sow in any
good garden soil, deeply spaded, covering the seed its own depth
and keeping moist.

MIGNONETTE, SWEET. B. Greenish white. Height ½ ft. Pkt.
\$0.05

Allen's Defiance. The best variety for forcing. Height
1 ft. .10

Golden Queen. Height 1 ft. .10

Large-flowering. Greenish white. Height ¾ ft. .05

Germain's **Machet.** Fine for pot culture. Height 1 ft. .10

Miles' Hybrid Spiral. Very large spikes. Height 1 ft. .10

Parson's. White. Fine long spikes. Height 1 ft. .10

Ruby. Very floriferous. .10

Victoria. Red; very fine. Height 1 ft. .10

The 10 cent varieties are extra fine.

SUCCESS

We have always made money and if
you follow our investments you will reap
the harvest. See page one.

FLOWER *Germain's* SEEDS

ANNUALS (Continued)

NASTURTIUM

NASTURTIUM—TOM THUMB

CULTURE—This is a well known hardy annual plant and common in every garden. The tall growing varieties are not easily surpassed for covering arbors or unsightly objects—while the dwarf sorts are beautiful plants for mixed flower borders. They are exceedingly compact and floriferous. Sow the seed one-half inch deep. This plant does well in poor soil, where more difficult varieties will not thrive.

NASTURTIUM, TOM THUMB. (See also Climbing List.)	Pkt.
<i>Aurora</i> (Terra-cotta). Height 1 ft.....	\$0.05
<i>Bronze</i> . Distinct. Height 1 ft.....	.05
<i>Chameleon</i> . A fine variety producing different flowers on the same plant. Height 1 ft.....	.10
<i>Cloth of Gold</i> . Light scarlet, yellow foliage. Height 1 ft.....	.05
<i>Dark Crimson</i> . Height 1 ft.....	.05
<i>Empress of India</i> . Dark leaves and crimson flowers. Height ¾ ft.....	.10
<i>Golden King</i> . Dark foliage. Height 1 ft.....	.05
<i>King of Tom Thumbs</i> . Dark foliage, scarlet flowers. Height 1 ft.....	.05
<i>King Theodore</i> . Nearly black. Height 1 ft.....	.10
<i>Ladybird</i> . Orange-yellow, red spots. Height 1 ft.....	.10
<i>Lollipop</i> . A new and distinct class. In every respect smaller than the Tom Thumbs. Flowers of various colors. Height ½ ft.....	.10
<i>Pearl</i> . White. Height 1 ft.....	.05
<i>Regalium</i> . Purplish violet. Height 1 ft.....	.05
<i>Ruby King</i> . Light ruby-red. Height 1 ft.....	.10
<i>Scarlet</i> . Height 1 ft.....	.05
<i>Yellow</i> . Height 1 ft.....	.05
<i>Finest Mixed</i> . Height 1 ft.....	.05

NEMOPHILA (Love Grove). Charming California annuals for borders.	
<i>Insignis</i> (Baby Blue Eyes). Beautiful sky blue. Height ½ ft.....	.05
<i>Maculata</i> . Large, white with purple blotch. Height ½ ft.....	.05
<i>Fine Mixed</i> . Height ½ ft.....	.05
NICOTIANA AFFINIS (Ornamental Tobacco). White and fragrant. Height 3 ft.....	.10
<i>Sanderæ</i> . Pink. Large flowering hybrids, very showy, profuse bloomer, easily raised from seed.....	.10
<i>Mixed</i> . All colors.....	.10
NIGELLA (Love-in-a-Mist or Devil-in-the-bush). B. Singular flowers, the upper petals being reflexed to resemble horns.	
<i>Damascena</i> . Double. Lavender-blue. Height 1 ft.....	.05

NOLANA . Fine mixed. Trailer.....	Pkt. \$0.05
XYURA CHRYSANTHEMOIDES . Yellow and white. Height 1 ft.....	.05
PANSY . (See page 60)	
PERILLA NANKINESIS . Hh. Very dark leaves. Height 1½ ft.....	.05

PHLOX

CULTURE—Phlox is an extensive and interesting genus of invaluable hardy annuals, producing fine clusters of flowers in a variety of colors which includes white, pink, rose, purple, scarlet and a near approach to yellow. Some of the scarlets have pure white eyes and each year new varieties are added to the list. The only treatment required is to sow the seed where the plants are wanted to grow, and for perfection of flowers, thin out to one foot apart each way.

PHLOX DRUMMONDII. Well-known showy plants for bedding.	Pkt.
<i>Bright Scarlet</i> . Height 1 ft.....	\$0.10
<i>Chamois-rose</i> . Height 1 ft.....	.10
<i>Double White</i> . Height 1 ft.....	.15
<i>Pink</i> . Height 1 ft.....	.10
<i>Red, with white eye</i> . Height 1 ft.....	.10
<i>Rose, Striped White</i> . Height 1 ft.....	.10
<i>White</i> . Height 1 ft.....	.10
<i>Yellow</i> . Height 1 ft.....	.15
<i>Fine Mixed</i> . Height 1 ft.....	.05
<i>Large-flowering</i> . Fine mixed. Height 1 ft.....	.10
<i>Very Dwarf, Fireball</i> . Brilliant scarlet. Height ½ ft.....	.10
<i>Very Dwarf, Extra Fine Mixed</i> . Height ½ ft.....	.10
<i>Cuspidata</i> (Star Phlox). Mixed. Height 1 ft.....	.10

LARGE-FLOWERING PHLOX DRUMMONDI

PLATYSTEMON CALIFORNICUS (Cream Cups). Yellow. Height 1 ft.....	.05
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ANNUALS (Continued)

POPPY

CULTURE—There can be no stronger and better proof of the beauty of this flower than the extent to which the varieties are grown. No other flower will produce such gorgeous brilliancy for bedding purposes. Sow the seed in beds where it is required, as it does not transplant easily. Cover it its own depth. Keep moist and thin out to six or eight inches apart.

Admiral. Single white, edged red.	Pkt. \$0.10
Carnation. Double white. Height 2 to 3 ft.	.05
Double Mixed. Height 2 to 3 ft.	.05
Danebrog. Scarlet, blotched white. Height 2 ft.	.05
French, or Ranunculus-flowered. Mixed. Height 2 ft.	.05
Mikado. White and crimson, double-fringed. Height 2 ft.	.05
Miss Sherwood. The flowers are from 4 to 5 inches across, pure satiny white, tinged with chamois-rose. Height 2½ ft.	.10
Peony-flowered Fine Mixed. Height 2 to 3 ft.	.05
Shirley, Santa Rosa Strain. The best and most varied strain in existence, including the new striped salmon and bluish shades. Height 2 ft.	.10
<i>Germain's</i> Shirley, Mixed. A distinct race, fine. Height 2 ft.	.05
<i>Germain's</i> Tulip (<i>Papaver glaucum</i>). Scarlet. Height 1¼ ft.	.10
Umbrosium. Scarlet-crimson. Height 1½ ft.	.10

(See also list of Perennials, page 62.)

PORTULACA

CULTURE—The Portulaca may well claim a prominent place in our garden. A large bed or border presents a gay appearance of dazzling brilliancy. They are best sown in February and March, as they grow with great rapidity in warm weather. Sow the seed very shallow in a sunny situation. Keep moist but never over water.

Single. Yellow, white, scarlet, crimson and mixed. Height ½ ft.	Pkt. \$0.05
Double. For exhibiting a display of dazzling brilliancy the Portulaca is unrivaled. It revels in sunshine, and will stand quite a degree of drought. White, golden, pink, scarlet and mixed. Height ½ ft.	.10

POPPY—SHIRLEY

PORTULACA, SINGLE

FLOWER *Germain's* SEEDS

ANNUALS (Continued)

RICINUS CAMBODGENSIS (Ornamental Castor Beans). Pkt.
Leaves and stems nearly black; very fine. Height 5 ft.. \$0.05
Sanguineus. Blood-red foliage. Height 6 ft..... .05

SALPIGLOSSIS

(Painted Tongue)

CULTURE—Salpiglossis or Painted Tongue, is a novel hardy annual, exquisitely marked and marbled in a variety of colors and producing an abundance of flowers, which are fine for bouquets. A trial of these will convince you that you must have a space in your garden for them. They are best sown in boxes and transplanted one foot apart each way, but they can also be sown in the open ground and thinned out. Fine for cutting.

SALPIGLOSSIS GRANDIFLORA

SALPIGLOSSIS. h.H. Flowers are somewhat like Petunias, with veined, velvety surface. Pkt.

Finest Tall Mixed. Height 1½ ft.....	\$0.10
Brown with gold. Height 1½ ft.....	.10
Light blue. Height 1½ ft.....	.10
Scarlet. Height 1½ ft.....	.10
Violet. Height 1½ ft.....	.10
Dwarf Mixed. Height 1 ft.....	.10

SANVITALIA. Profuse-blooming trailing plants for beds, rockwork, etc. Sometimes called the Trailing Sunflower.

Double Yellow. Trailer.....	.05
Procumbens. Single Yellow. Trailer.....	.05

SAPONARIA CALABRICA (The Calabrian Pink or Soapwort). Pink. Height ½ ft..... 05

SCABIOSA

(Morning Bride or Pin Cushion Flower)

CULTURE—No "old fashioned" flower bed is complete without this sweet and dignified flower; and alone it is a worthy addition to any garden. Free blooming, hardy annual. It succeeds in any ordinary garden soil. Handsome flowers and fine for cutting. Sweet scented. An excellent border plant. Sow the seed ½ inch deep, keep moist but neverwater so much that the soil becomes soggy.

Azure Fairy. Delicate lavender. Height 2 ft.....	Pkt. \$0.10
Tall Double. Flesh color. Height 2 ft.....	.10
Rose. Height 2 ft.....	.10
White. Height 2 ft.....	.10
Mixed. Height 2 ft.....	.05
Dwarf, Double Mixed. Height 1 ft.....	.05

SCABIOSA

SCHIZANTHUS. Of much interest and beauty, flowers being beautifully marked, after style of some orchids Pkt.

Pinnatus. Blue. Height 1½ ft.....	\$0.05
Finest Mixed. Height 1½ ft.....	.05

SILENE. Fine for bedding or edging.

Compacta. Double red. Height ¾ ft.....	.05
Pendula compacta. Red. Height ¾ ft.....	.05

REAL ESTATE IS ADVANCING

We offer you the opportunity to take advantage of the vast increases which are in sight.

See Page One

GIANT PERFECTION STOCKS

OUR STOCKS GROWING AT ARROYO GRANDE, CAL.

STOCKS, Ten Weeks. For Intermediate, Brompton and other Stocks, see Perennials. Stocks offered below are the finest obtainable. The seed is saved from potgrown plants, and may be relied upon to produce nearly all double flowers. The Princess Alice and Giant Perfection varieties are the finest for cutting purposes.

ANNUALS (Continued)

STOCKS

CULTURE—These popular flowers are unrivalled for garden display and our strain of Giant Perfection is without doubt the finest obtainable, growing to a height of 2 feet, and producing long spikes of highly fragrant flowers and a larger percentage of double than any other strain grown. Sow the seed in shallow boxes in June for winter flowers and transplant when about 2 inches high. For summer display, sow in March.

<i>Germain</i> Giant Perfection. Fiery crimson, flesh-color, rose, light blue, dark blue, white. Height 2 ft..	Pkt. \$0 15
Large-flowered. Crimson, flesh-color, light blue, rose, yellow, white and finest mixed. Height 1 ft.	10
Finest Mixed. Height 1 ft.	10
Princess Alice (Cut-and-come-Again). White. Height 1 1/2 ft.	10
Wall-flower-leaved, "Snowflake." Pure white. Height 1 ft	15
Finest Mixed. Height 2 ft.	10

SUNFLOWER. (See Helianthus.)

SWEET SULTAN. (See Centaurea.)

SWEET PEAS. See pages 52, 53 and 54.

TARGETES SIGNATA PUMILA. Yellow, striped brown, fine for bedding. Height 3/4 ft. 05 |

TORENIA FOURNIERI. T. A valuable plant for pots, baskets or borders. Violet, with lilac and yellow. Height 3/4 ft. 15 |

VENUS' LOOKING-GLASS. Pretty bell-shaped flowers; blooming profusely, well adapted for edging and hanging-baskets. Blue. Height 3/4 ft. 05 |

VIRGINIAN STOCK. Red, white and mixed. Height 1/2 ft. 05 |

VISCARIA COELI-ROSEA (Rose of Heaven). Pink. Height 3/4 ft. 05 |

Elegans picta. Rose and scarlet. Height 1 ft. 05 |

Oculata. Rose, dark eye. Height 1 ft. 05 |

WHITLAVIA GRANDIFLORA. Violet. Height 1/2 ft. 05 |

Gloxiniodes. White and blue. Height 1/2 ft. 05 |

ZINNIA

(Youth and Age)

ZINNIA. B. Of great beauty and variety of color.

CULTURE—The Zinnia is one of our hardiest Annuals and requires but little attention, as it grows almost anywhere. The coloring of a large bed is truly magnificent. The seed may be sown broadcast in the open ground, where it is to remain, or, for perfection of flowers, sow in small beds and transplant two feet apart. The flowers are very lasting, remaining almost perfect until the seed is quite ripe.

Dwarf. Double mixed. Height 1 ft. Pkt. \$0 05 |

Germain **Mammoth.** Double mixed. Height 3 ft. 10 |

Haageana, fl. pl. Double yellow. Height 1 ft. 10 |

Finest Double Mixed. Height 2 ft. 05 |

MAMMOTH ZINNIA

FLOWER *Germain's* SEEDS

SEEDS OF CLIMBING PLANTS

A—Annual

P—Perennial

COLLECTIONS

12 Beautiful Varieties, Climbing and Trailing Plants..... \$0.50
6 Beautiful Varieties Climbing and Trailing Plants..... \$0.25

Passion Flowers

4 Elegant Varieties..... \$0.50

- ADLUMIA CIRRHOSA.** P. The graceful Allegheny Vine; Pkt.
also Mountain Fringe. Pink. Height 8 ft..... \$0.10
- AMPELOPSIS.** The well-known Virginia Creeper.
Veitchii (Japan Ivy). P. Height 50 ft..... .10
- ANTIGONON LEPTOPUS** (Rosa de Montana). P. One
of the most elegant climbers known. Native of Mexico.
Rose..... .15
- ARISTOLOCHIA ELEGANS.** Hhp. Chocolate and
purple. Height 30 ft..... .10
- Sipho** (Dutchman's Pipe). P. Very odd-looking and
interesting. Yellow and brown. Height 40 ft..... .10
- AUSTRALIAN PEA VINE.** See *Dolichos lignosus*.
- BALLOON VINE.** Hha. Bears a pretty, inflated capsule.
White and green. Height 8 ft..... .05
- BIGNONIA** (Trumpet Vine). P. Sometimes classed
with *Tecoma*. Robust, hardy climber.
Very ornamental..... .10
- Radicans.** Orange-scarlet. Height 15 ft..... .10
- Stans** (*Tecoma*). Orange; distinct foliage. Height 10 ft..... .10
- Tweediana.** Bright Yellow; evergreen. Height 20 ft..... .10
- CANARYBIRD FLOWER** (*Tropeolum peregrinum*).
Hha. A charming annual vine with delicate foliage.
Flowers yellow. Height 8 ft..... .10
- CLEMATIS** (Virgin's Bower). P. Well-known, profuse-
blooming climbers. The seed requires several months
to germinate..... .10
- Flammula.** White. Height 10 ft..... .25
- Jackman's New Hybrids.** Mixed. Height 10 ft..... .10
- Viticella.** Purple. Height 10 ft..... .10
- CLIANTHUS PUNICEUS** (New Zealand Parrot's Bill). P.
A very handsome climber. Bright scarlet. Height
6 ft..... .15
- COBAEA.** P. Rapid-growing climbers, with bell-shaped
flowers.
- Alba.** White. Height 20 ft..... .10
- Macrostemma.** Yellowish green, tipped with violet;
stamens of enormous length. Height 15 ft..... .15
- Scandens.** Purple. Height 20 ft..... .10
- CONVOLVULUS.** A. The well-known Morning-Glories.
Aureus superbus. Yellow. Very fine and rare. Height
8 ft..... .15
- Major.** Blue. Height 10 ft..... .05
- Crimson.** Height 10 ft..... .05
- Double.** White-veined purple. Height 10 ft..... .10
- Pink.** Height 10 ft..... .05
- Striped.** Height 10 ft..... .05
- White.** Height 10 ft..... .05
- Mixed.** Height 10 ft..... .05
- CYPRESS VINE** (*Ipomoea quamoclit*). Hha. Well-
known climbers, with handsome delicate foliage.
Scarlet. Height 8 ft..... .05
- White.** Height 8 ft..... .05
- Mixed.** Height 8 ft..... .05
- DOLICHOS LABLAB.** Hha. Mixed. Height 8 ft..... .05
- Lignosus alba.**..... .10
- Lignosus** (Australian Pea). P. Rose and purple; one of
the best climbers for a hot, dry climate. Height 15 ft..... .05
- ECCREMOCARPUS SCABER.** P. Orange; very valuable
to cover trellises. Height 6 ft..... .10
- HUMULUS.** A beautiful climber, which may be sown in
open ground in spring, attaining immense proportions
in a short time.
- Japanicus** (Japanese Hop). A. Height 20 ft..... .10
- Japanese Variegated.**..... .10
- Lupulus** (Common Hop)..... .10
- IMPERIAL JAPANESE MORNING GLORY.** Hha.
Mixed, all colors. Very large. Height 30 ft..... .10

IPOMEA MEXICANA ALBA

- IPOMOEA, HEAVENLY BLUE.** Hha. Light blue. Pkt.
Height 15 ft..... \$0.10
- Leari** (Blue Moon-flower). P. Splendid. Height 25 ft..... .10
- Mexicana grandiflora alba** (True White Moon-flower).
Hhp. Height 15 ft..... .15
- KENNEDYA BIMACULATA GRANDIFLORA.** P. Purple.
Height 10 ft..... .15
- KUDZU VINE** (*Pueraria Thunbergiana*). Recently
introduced from Japan. One of the most rapid-
growing vines known. Will grow 50 feet in one
season. The leaves are very large, making it a suitable
plant for covering arbor, trellis, etc. Flowers are
pea-shaped and rosy purple in color..... .10
- LATHYRUS LATIFOLIUS** (Everlasting Pea). P. Mixed,
rose and white. Height 6 ft..... .05
- LOASA AURANTIACA** (the Chilean Nettle Plant). Hha.
Has beautiful, interesting golden yellow flowers.
Must be handled with gloves, as the leaves sting.
Height 6 ft..... .10
- LONICERA TARTARICA** (Tartarian Honeysuckle). P.
Rose. Height 6 ft..... .10
- MANDEVILLA SUAVEOLENS** (Chili Jasmine). P. Very
fragrant. White. Height 15 ft..... .10
- MAURANDIA.** White. Hhp. Height 8 ft..... .10
- Purple.** Height 8 ft..... .10
- Fine Mixed.** Height 8 ft..... .10
- MINA LOBATA.** Ta. Very showy; a great favorite in this
section. Red, yellow and white. Height 15 ft..... .10

FLOWER *Germain's* SEEDS

SEEDS OF CLIMBING PLANTS (Continued)

NASTURTIUM, TALL, CHAMELEON. A new variety, Pkt. producing flowers of different colors on the same plant. Height 6 ft.	\$0.10
Dark Crimson. Height 6 ft.	.05
Edward Otto. Brownish lilac. Height 6 ft.	.05
Heinemanni. Chocolate-color. Height 6 ft.	.05
King Theodore. Dark maroon, with dark leaves: extra fine. Height 6 ft.	.05
Orange. Height 6 ft.	.05
Pearl. Creamy white. Height 6 ft.	.05
Regalium. Purplish violet. Height 6 ft.	.05
Scarlet. Height 6 ft.	.05
Vesuvius. Salmon-rose, dark-leaved; splendid. Height 6 ft.	.10
Yellow. Height 6 ft.	.05
Finest Mixed. Height 6 ft.	.05

PHASEOLUS CARACALLA (Snail Vine). Hhp. Lilac-purple and white; very beautiful and interesting. Height 8 ft.	Pkt. \$0.10
SMILAX. P. White; very useful for festooning, etc. Height 6 ft.	.10
SOLLYA HETEROPHYLLA (Climbing Bluebell). Hhp. A pretty climber, with charming intense blue flowers. Height 6 ft.	.15
TACSONIA. Hhp. Beautiful climber, resembling Passiflora in foliage and flowers; colors varying from pink to crimson. Very ornamental.	.25
Ignia. Red.	.25
Pink.	.10
Mixed. Height 6 ft.	.10
THUNBERGIA ALATA. Hha. Free bloomer of rapid growth; flowers of white and yellow shades, with striking black centers. Mixed, white and yellow. Height 6 ft.	.10
TROPAEOLUM. A. Useful climber, which may be pegged down and used for bedding purposes. May also be grown in pots for winter flowering.	.05
Lobbianum, Spittfire. Vivid scarlet. Height 6 ft.	.05
Finest Mixed. All colors. Height 6 ft.	.05

PASSION FLOWER.

PASSIFLORA COERULEA. P. Blue. Height 8 ft.	.10
Edulis. P. Mauve; edible fruit. Height 8 ft.	.10
Rosacea (incarnata). Tall; rose-pink.	.25
White. Hhp. Three-angled stem; edible. Height 8 ft.	.10
Fine Mixed. Height 6 to 8 ft.	.10

WISTARIA

WISTARIA SINENSIS. P. A charming old-fashioned hardy climber, producing its pale blue flowers in large clusters in early spring. Light blue. Height 50 ft.	Pkt. \$0.15
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DON'T FAIL

To look at Germain's Giant Prize Pansies illustrated on the front cover and described on page 60. No picture or word painting can fully describe the beauty of this magnificent variety.

SWEET PEAS

GERMAIN'S WHITE SPENCER SWEET PEAS

CULTURE—Sweet Peas should be sown about three inches deep and require an abundance of water—but do not sprinkle the vine. Keep the flowers picked and do not allow them to run to seed or they will soon stop flowering.

FLOWER *Germain's* SEEDS

SPENCER, ORCHID FLOWERING AND NEW VARIETIES OF SWEET PEAS

The character of these flowers is of healthy and vigorous growth and quite distinct from the standard sorts. They are very large, measuring from 2 to 2½ inches across with large frilled and wavy standards. Three and four of these beautiful flowers are borne on one good long stem, making them unsurpassed for vases and other decorative flower work.

APPLE BLOSSOM SPENCER. Rose and White, beautifully waved.	Pkt. \$0.10	Oz. \$0.50
ASTA OHN SPENCER. Lavender, suffused with mauve; exquisite.	.10	.50
BLANCHE FERRY SPENCER. A beautiful pink and white with wavy standards.	.10	.50
CONSTANCE OLIVER. Light pink on cream. Very wavy.	.10	.75
COUNTESS SPENCER (Orchid flowering hybrid). Gigantic flowers of perfect form with round open waved standards. Shell-pink, deepening at the edges.	.10	.30
DAINTY SPENCER. White with pink, wavy edges.	.10	.50
DORA BREADMORE. Pale buff yellow, faintly tinged with delicate pink.	.10	.30
E. J. CASTLE. A large flowering variety; rich carmine rose, shading to salmon in the standard.	.10	.25
ENCHANTRESS. Rose-pink on a rich cream ground.	.10	.50
FLORA NORTON SPENCER. Clearest and most pronounced blue. Wavy standard.	.10	.50
NEW AND ORCHID. Flowering varieties, mixed.	.10	.20

FLORENCE MORSE SPENCER. Blush white, edged pink, wavy standard.	Pkt. \$0.10	Oz. \$0.25
FRANK DOLBY. Color lavender blue, wavy standard; the largest of the lavenders.	.10	.25
GLADYS UNWYN. Clear light pink. A very large flower of open form with wavy standard.	.10	.25
HELEN LEWIS. In shape like the above, standard orange, wings rosy orange.	.10	.25
HELEN PIERCE. Mottled and veined bright blue on pure white.	.10	.25
HENRY ECKFORD. Intense bright orange, wings shading to deeper rose-orange color.	.10	.25
KING EDWARD SPENCER. Crimson scarlet.	.10	.50
MRS. ALFRED WATKINS. Beautiful pale pink, large size, with bold wavy standards.	.10	.25
NORA UNWYN. The largest pure white flowers.	.10	.25
PRIMROSE SPENCER. A pronounced primrose or creamy yellow, with beautiful crinkled wings.	.10	.30
QUEEN ALEXANDRA. The finest bright scarlet large flower.	.10	.15
WHITE SPENCER. Best pure white wavy standard.	.10	.30

A HEDGE OF SWEET PEAS, SUNSET COLLECTION

SUNSET COLLECTION

Few flowers repay the grower so bountifully or so richly as the sweet pea. From early spring, which in California is in February, until well through the summer this graceful, climbing annual will furnish a most gorgeous display along the dead walls, and provide a fragrant, beautiful indoor decoration. The unusual popularity of our "Sunset Collection" establishes it as the most successful collection on the market, and the prospective demand for this season has been provided for with a most carefully selected stock. The colors in this group are each so distinct that the seven varieties provide as varied an assortment as anyone could wish, and their giant size makes them preeminently attractive. The "Sunset Collection" is put up with each color in a separate package, and a liberal quantity of seed is offered at the attractive price of 50 cents.

"Sunset," **Lavender**—A beautiful shade of dainty lavender, open and wavy.
 "Sunset," **Orange Rose**—Large wavy wings of the Spencer type.
 "Sunset," **Pink**—A beautiful flower.

"Sunset," **Primrose Buff**—Large wavy flowers, deep cream or primrose colored.
 "Sunset," **Scarlet Brilliant**—A most gorgeous flower with wavy standards and drooping wings. The choice of the scarlets.

"Sunset," **Purple Striped on White**—Mottled and striped on white ground.
 "Sunset," **White**—An exquisite pure white, the finest of the Spencer forms, large open waved lasting flowers.

FLOWER *Germain's* SEEDS

SWEET PEAS (Continued)

LEADING STANDARD SORTS.

AMERICA. White ground, striped with blood red.
APPLE BLOSSOM. White suffused with rosy carmine.
BLANCHE BURPEE. Pure white; large.
BLANCHE FERRY. Pink and white.
COUNTESS OF CADOGAN. The first blossoms have purple standards, which turn to a clear bright blue.
COUNTESS OF RADNOR, IMPROVED (New Countess). Pure light lavender; very large.
Germain **DOROTHY ECKFORD.** The new white. One of the largest and purest whites. The best in existence.
DOROTHY TENNANT. Deep rosy mauve.
EMILY ECKFORD. Light reddish mauve, wings porcelain blue.
GORGEOUS. Bright orange-salmon, wings orange red.
JANET SCOTT. Bright pink. Wings rose pink.
HON. MRS. E. KENYON. A fine large primrose-yellow.
HON. F. BOUVERIE. Standard coral pink wings; flesh pink.
Germain **KING EDWARD VII.** Bright crimson; very large flowers. Best red.
LADY GRISEL HAMILTON. Delicate silvery lavender.
LOTTIE ECKFORD. White, suffused and edged with lavender.
LOTTIE HUTCHINS. Penciled and clouded pink on straw-yellow.
LOVELY. Shell-pink; extra large; very fine.
MAID OF HONOR. White and lavender, edged blue.
MISS WILLMOTT. Bright orange-pink veined with a deep tint.
MODESTY. A very soft and delicate pale pink.
NAVY BLUE. Deep blue; extra fine.
OTHELLO. Deep maroon; very large and of finest type.
PRIMA DONNA. Soft rose-pink; extra fine.
RAMONA. White striped and splashed with delicate pink.
ROYAL ROSE. Deep rose, shaded light pink.
SADIE BURPEE. White, bluish tinge when young.
SALOPIAN. Deep crimson-red; extra large.
SENSATION. White with flesh tinge.
STELLA MORSE. Primrose, clouded rosy apricot.

The above varieties, separate colors, packet 5 cents, dozen packets 50 cents, ounce 15 cents, $\frac{1}{4}$ pound 35 cents, pound \$1. The whole collection of thirty varieties, one packet of each, postage paid for \$1.00.

CALIFORNIA LARGE-FLOWERING MIXED. From 20 named varieties. Packet 5 cents, ounce 15 cents, $\frac{1}{4}$ pound 35 cents, pound \$1.00.

GERMAIN'S SPECIAL LIGHT MIXTURE. Including only light and bright colors. Same price as above.

CUPID OR DWARF SWEET PEAS

The Cupid varieties are very showy and splendid for bedding. Height 6 inches. Plant the seed 6 inches apart.

ALICE ECKFORD. Standard creamy white, wings white, flushed pink.

BEAUTY. Standard rose, shading to white, wings rosy carmine.

BOREATTON. Rich deep maroon.

COUNTESS OF RADNOR. Delicate lavender; large, extra fine.

FIREFLY. Dazzling scarlet; free bloomer.

PINK. Standard bright rose-pink, wings white or light pink.

PRIMROSE. Pale primrose or creamy white.

WHITE. Pure white; very fine.

The above varieties, mixed or separate, packet 5 cents, ounce 25 cents. The collection of eight varieties, one packet of each, postpaid for 35 cents.

CHRISTMAS VARIETIES

	Pkt.
CHRISTMAS. Lavender. Per oz. 30 cents.....	\$0.10
Pink. Per oz. 25 cents.....	.10
Red. Per oz. 25 cents.....	.10
White. Per oz. 25 cents.....	.10
EARLIEST OF ALL SELECTED. Pink and white. Per oz. 15 cents.....	.05
MONT BLANC. Pure white. Very large. Per oz. 15 cents.....	.05

ORNAMENTAL GRASSES

ORNAMENTAL GRASSES

Most of these, if cut before they are quite ripe, will be useful in winter bouquets or with everlasting flowers.

A. Annual. P. Perennial. Sow in boxes in February or March; when large enough, transplant.

	Pkt.
AGROSTIS NEBULOSA. A. Very graceful and fine for vases or bouquets. Height 1 ft.....	\$0.10
Pulchella. A. Very graceful and fine for vases and bouquets. Height 1 ft.....	.10
BRIZA MAXIMA. A. Large. Height 1 $\frac{1}{2}$ ft.....	.05
Gracilis (Quaking Grass). A. Slender; fine for bouquets. Height 1 ft.....	.05
COIX LACHRYMA. Job's Tears.....	.05
ERAGROSTIS ELEGANS (Love Grass). A. Has beautiful dancing spikelets; good for bouquets. Height 1 ft.....	.05
EULALIA JAPONICA (Japan Plume Grass). P. Very effective in groups. Height 6 ft.....	.10
FESTUCA GLAUCA. P. Very neat and compact; fine for edgings to ribbon beds and borders. Height $\frac{1}{2}$ ft.....	.10
Procumbens. P. Very neat and compact; fine for edgings to ribbon beds and borders. Height $\frac{1}{4}$ ft.....	.10
ISOLEPIS GRACILIS. P. Very pretty rush-like grass for hanging baskets and pot culture. Height 1 ft....	.10
LAGURUS OVATUS (Hare's Tail Grass). Fine for bouquets. Height 2 ft.....	.05
LASIAGROSTIS ARGENTEA. P. Very graceful and fine for bouquets. Height 3 ft.....	.10
STIPA PENNATA (Feather Grass). P. Universally admired in bouquets. Height 2 ft.....	.10
TRICHOLAENA ROSEA. P. Very pretty, with rose-colored panicles. Height 3 ft.....	.10
UNIOLA LATIFOLIA (Sea Oats). P. Very ornamental. Height 4 ft.....	.10
ZEAL JAPONICA FOL. VARIEGATA (Striped Japanese Maize). Hha. Very ornamental. Height 4 ft.....	.50

FLOWER *Germain's* SEEDS

EVERLASTING FLOWERS : ORNAMENTAL GOURDS

Collections

6 Fine Packets.	Value 40 cents.....	\$0.25
10 Fine Packets.	Value 80 cents.....	.50
15 Fine Packets.	Value \$1.15.....	.75

HELICHRYSUM. DOUBLE

These are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry.

	Pkt.
ACROCLINIUM. Single, white. Height 1 ft.....	\$0.05
Pink. Height 1 ft.....	.05
Mixed. Height 1 ft.....	.05
Double, white, 50 per cent double flowers. Height 1 ft.....	.10
Double, pink. Fifty per cent double flowers. Height 1 ft.....	.10
AMMOBIUM ALATUM. White. Height 1 ft.....	.05
GLOBE AMARANTHUS. Purple. Height 1 ft.....	.05
White. Height 1 ft.....	.05
Fine mixed. Height 1 ft.....	.05
GNAPHALIUM LEONTOPODIUM. White. Height ½ ft.....	.15
The true "Alpine Edelweiss."	
HELICHRYSUM (Straw Flower). Tall, double pink. Height 2 ft.....	.10
Tall, double, white. Height 2 ft.....	.10
Tall, double, mixed (see cut). Height 2 ft.....	.10
RHODANTHE. Mixed. Height 1 ft.....	.10
XERANTHEMUM. Double, mixed. Height 2 ft.....	.05

Collections

6 Fine Varieties.	Value 40 cents.....	\$0.25
10 Fine Varieties.	Value 80 cents.....	.50
17 Fine Varieties.	Value \$1.50.....	1.00

ABOBRA VIRIDIFLORA. Greenish flowers; a tuberous perennial gourd, with pretty scarlet fruits. Height 6 ft.....	Pkt. \$0.10
BRYONOPSIS LACINIOSA ERYTHROCARPA. Very ornamental, with pleasing cut foliage, and bright colored fruits. Height 5 ft.....	.10
CUCUMBER SNAKE (<i>Cucumis flexuosus</i>). Height 6 ft....	.10
<i>Germain</i> Wild. Very curious. Height 4 ft.....	.10
GOURD. Bottle-shaped. White flowers. Height 10 ft....	.10
Calabash-shaped. Height 10 ft.....	.10
Dipper. Height 10 ft.....	.05
<i>Germain</i> Dish Rag. When properly prepared this is very serviceable in many ways. Height 6 ft.....	.10
Egg Shaped. "Nest Egg." Height 10 ft.....	.05
Gooseberry. Smallest. Height 10 ft.....	.10
Hercules Club. Fruits 7 to 8 ft. in length. Height 15 ft.	.05
Orange Shaped. (Mock Orange). Height 15 ft.....	.10
Pear Shaped. Height 10 ft.....	.10
Serpent (<i>Trichosanthes Colubrina</i>). Very long and coiled. Height 10 ft.....	.10
Sugar Trough. Enormous, holding several gallons. Height 15 ft.....	.05
MOMORDICA BALSAMINA. "Balsam Apple." Height 6 ft.....	.10
Charantia. "Balsam Pear." Height 5 ft.....	.10
The Momordicas are very handsome. The fruits burst when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.	
FINEST MIXTURE	95

FLOWER *Germain's* SEEDS

PERENNIALS

COLLECTIONS

12 Fine Varieties of Perennial Flower Seeds..... \$0.50

6 Fine Varieties of Perennial Flower Seeds..... \$0.25

Price \$1.50

Hardy Perennials

Value \$2.00

ANEMONE CORONARIA. Mixed. Height 1½ ft.
ANTIRRHINUM (Snapdragon). Mixed colors. Height 2 ft.
AQUILEGIA (Columbine). Mixed best varieties. Height 2 ft.
CENTAUREA CANDIDISSIMA (Dusty Miller). Height 1½ ft.
COREOPSIS LANCEOLATA. Bright gold. Extremely desirable. Height 2 ft.
DELPHINIUM ELATUM (Bee Larkspur). Mixed blue. Height 2 ft.
DIGITALIS (Foxglove). Best variety, handsome markings. 3 ft.
DIANTHUS (Hardy Pinks). 3 packets. Three different varieties of rich and handsome colorings. Height 1 ft.
FRAXINELLA (Burning Bush). Height 2 ft.
FRENCH HONEYSUCKLE. Red and white mixed. Height 3 ft.
GAILLARDIA (Blanket Flower). Finest mixed. Height 2 ft.
HONESTY. An old fashioned flower with a curious seed pod. Flowers pink, purple and white. Height 1½ ft.

IPOMOPSIS (Texas Plumes). Scarlet and gold. Height 3 ft.
HUNNEMANNIA (Yellow Tulip Poppy). With crinkled petals. Height 2 ft.
MARVEL OF PERU (Four o'clock). Large flowering mixed. Two ft.
PENTSTEMON GRANDIFLORA. Finest mixed. Height 2 ft.
PYRETHRUM ROSEUM. Single finest mixed. Height 2 ft.
ROSE CAMPION (Agrostemma Coronaria). Crimson flowers. Height 1½ ft.
SWEET ROCKET (Dame's Violet). Sweet scented mixed. 1½ ft.
SWEET WILLIAM. Finest varieties single and double mixed. Height 1½ ft.
VINCA (Periwinkle). Mixed colors. Height 2 ft.
WALLFLOWER. Fragrant. Finest varieties mixed. Height 2 ft.

ALYSSUM SAXATILE. B. Fine for borders or rockwork. Pkt. Beautiful yellow. Height ¾ ft. \$0.05
ANCHUSA CAPENSIS (Cape Alkanet). B. Azure-blue, free-blooming biennial. Height 1½ ft.05
ANEMONE CORONARIA (Windflower). Beautiful, early spring-flowering plants. Mixed. Height ½ ft.10
ANTIRRHINUM (Snapdragon). B. Hardy perennials, flowering the first year, unsurpassed for borders.
Black Prince. Nearly black; dwarf. Very fine.10
Dwarf, Mixed. Height 1 ft.05
Germain **Majus.** Tall, mixed. Height 2 ft.05
Tall Firefly. Brilliant scarlet. Height 2 ft.05
Tall White. Height 2 ft.05
Tall Yellow. Height 2 ft.05
Tom Thumb, Mixed. Height ¾ ft.05
Victoria. Pure white. Height 2 ft.10
AQUILEGIA (Columbine). B. Handsome, hardy perennials, indispensable as decorative border plants.
Chrysantha. Yellow. Height 2 ft.15
Coerulea (Colorado State Flower)15
Double Mixed Hybrids. Very fine. Height 2 ft.10
Single Mixed. Height 2 ft.05
ARABIS ALPINA (Rock Cress). Useful for rockwork. White. Height ½ ft.05
ARMERIA (Thrift or Sea Pink). A very hardy plant; fine for edging.10
ASPARAGUS SPRENGERI. A fine ornamental plant for hanging baskets.10
Plumosus. A fine pot-plant; 100 seeds 85 cents.10
ASPERULA ODORATA (Woodruff). White; very fragrant. Height ½ ft.10
ASTER (Michaelmas Daisy). Perennial varieties, finest mixed. Height 3 ft.10
AURICULA. Finest English hybrids; from the finest collection. Fine deep colors, variously margined. Good for pot culture. Height ½ ft.25
BEGONIA. T. Tuberous-rooted, double, mixed. Height 1½ ft.50
BEGONIA. T. Tuberous-rooted, single, splendid mixed. Height 1½ ft.50
Germain **Luminosa.** Extra fine for bedding or borders. .25
Semperflorens. Finest of the more hardy bedding Begonias.25

DOUBLE BEGONIA

BELLIS PERENNIS. The popular Double English Daisy. Pkt. Very useful for edgings.
Germain **Double Red.** Height ¼ ft. \$0.10
Longfellow. Large, double rose. Height ¼ ft.10
Quilled. Double mixed, fine. Height ¼ ft.15
Snowball. Double white. Height ¼ ft.10
Mixed Double. Fine. Height ¼ ft.10

FLOWER *Germain's* SEEDS

PERENNIALS (Continued)

CACTUS. Saved from the best and most distinct species. Pkt. Finest mixed. Height ½ to 4 ft.	\$0.15
CAMPANULA (Bellflower). (See also Canterbury Bells.) Hardy plant; well suited for mixed borders.	
Carpatica. Blue. Height ½ ft.	.05
Pyramidalis. Blue. Height 3 ft.	.05
CANNA. Handsome plant for lawn decorations and for backgrounds. Soak seed in tepid water twenty-four hours before sowing.	
New French Hybrids. Mixed. Height 4 ft.	.10
CANTERBURY BELLS. B. Very handsome border perennials of great utility, and deservedly popular favorites. They are called "Hose in Hose" or "Cup and Saucer" Canterbury Bells.	
Single. Blue, white, rose and mixed. Height 2 ft.	.05
Double. Blue, white, rose and mixed. Height 2 ft.	.10
Calycanthema Mixed. Height 2 ft.	.10
CARNATION. Our collection comprises the most richly scented and beautifully marked varieties.	
Finest German Mixed. Height 1½ ft.	.25
Grenadin. Early dwarf, red. Height ½ ft.	.10
Hermine. Pure white; extra fine. Height 2 ft.	.25
<i>Germain</i> Marguerite Mixed. Will commence flowering within four months from the time of coming up. Height 1½ ft.	.10
Marguerite, Snowflake. Pure white. Height 1½ ft.	.10
Perpetual, or Tree. Very fine mixed. Height 2 ft.	.25
Salmon. Height 2 ft.	.25
Scarlet. Height 2 ft.	.25
Yellow. Height 2 ft.	.25
Redondo Mixed. Height 1½ ft.	.15
CENTAUREA (Dusty Miller). Fine plants for ribbon beds or borders.	
Candidissima. White foliage. Height 1 ft.	.10
Gymnocarpa. Height 1 ft.	.10
CERASTIUM TOMENTOSUM (Jerusalem Star). White leaves; trailer; useful for edging and rockwork.	.15
CHRYSANTHEMUM FRUTESCENS (Paris Daisy or Marguerite). B. White, yellow eye. Height 2 ft.	.10
<i>Germain</i> Leucanthemum hybrid (Shasta Daisy); White, yellow center; flowers four inches in diameter; valuable for cutting. Height 2 ft.	.10
Indicum (Chinese). Mixed. Height 3 ft.	.10
Nanum (Pompone). Mixed. Height 2 ft.	.10
Japonicum (Japanese). Mixed. Height 3 ft.	.10
The last three kinds are the Chinese and Japanese varieties, so extensively grown and used during the fall months.	
CINERARIA MARITIMA CANDIDISSIMA. Silvery foliage, very useful for ribbon beds and borders. Height 1 ft.	.10
CLIANTHUS DAMPIERI (the Australian Glory Pea). A magnificent flower, scarlet, with black center. Water sparingly after sowing. Height 4 ft.	.15
COLEUS. T. Ornamental decorative-leaved plants; fine for house decoration or subtropical gardening.	
<i>Germain</i> New large-leaved. Very fine. Height 2 ft.	.25
Finest Mixed. Height 2 ft.	.15
CONVOLVULUS MAURITANICUS. Hardy perennial for hanging-baskets with flowers of bright metallic luster. Lavender, trailer.	.10
COREOPSIS, GRANDIFLORA. H. Showy golden yellow flowers; very desirable for cutting—lasting a week or more after cutting. Height 2 ft.	.10
Lanceolata. B. A beautiful plant, with lance-shaped leaves and showy bright flowers 2 or 3 inches in diameter. Yellow. Height 2 ft.	.10
CUPHEA PLATYCENTRA (the Cigar Plant). Pretty tubular flowers. Scarlet and black. Height 2 ft.	.10
CYCLAMEN. Hh. Charming winter-flowering house plants. Our seed is the finest strain.	
Persicum. Bulb. Fine mixed, white and pink. Height ½ ft.	.25
Persicum giganteum. Bulb. Fine mixed, white and pink. Height ¾ ft.	.25
DAISY. See Bellis.	
DAISY, SHASTA. See Chrysanthemum above.	

DAHLIA. Hh. Large-flowered, double, best quality mixed. Height 5 ft.	Pkt. \$0.15
Cactus. Mixed colors. Height 5 ft.	.15
Pompone. Small bouquet, mixed. Height 4 ft.	.15
Single, Mixed. Height 5 ft.	.10
The Cactus and Single Dahlias are becoming very popular.

DELPHINIUM

DELPHINIUM CARDINALE (Scarlet Larkspur). Bright scarlet. Height 3 to 5 ft.	Pkt. \$0.10
<i>Germain</i> Burbank's Hybrids. Mixed blues.	.25
Elatum (Bee Larkspur). Mixed. Height 3 ft.	.05
Formosum. Bright blue. Height 4 ft.	.10
Hybridum. Double, extra choice mixed. Height 3 ft.	.15
Perennial Larkspur. Fine border plants of brilliant colors.	
DIANTHUS CHINENSIS (China Pinks). B. Very free-flowering and showy.	
Double Mixed. Height 1 ft.	.10
Diadematus (Double Diadem Pink). Height 1 ft.	.10
Albus (White Diadem Pink). Height 1 ft.	.10
Imperialis (Double Imperial Pink). Mixed. Height 1 ft.	.10
Hedderwigii. Fine mixed. Height 1 ft.	.10
Crimson Bell. Dark crimson. Height 1 ft.	.10
Queen of Holland. White. Height 1 ft.	.10
Nobilis (Royal Pinks). Flowers 3 to 4 inches in diameter, petals frilled and fringed; colors vary from bright blood-red to carmine, pink and white. Height 1 ft.	.10
Hybridum. Double mixed. Height 1 ft.	.10
Laciniatus, Single Mixed. Height 1 ft.	.10
Double Mixed. Height 1 ft.	.10
DIGITALIS GLOXINOIDES (Foxglove). Bears fine spikes of variously spotted and blotched flowers for borders and shrubbery. Fine mixed. Height 3 ft.	.05

FLOWER *Germain's* SEEDS

PERENNIALS (Continued)

- DODECATHEON MEDIA** (American Cowslip). Lilac. Pkt.
Fine for rockwork, etc. Height $\frac{1}{2}$ ft. \$0.10
- ERPETION RENIFORME** (Viola hederacea; Australian Pansy). A pretty tufted plant with kidney-shaped leaves and blue flowers; rare and curious. Height $\frac{1}{2}$ ft.25
- ERYTHRINA CRISTA-GALLI** (Coral Tree). Dark red. A handsome decorative plant for shrubbery, etc. Height 6 ft.15
- EVENING PRIMROSE**. Yellow. Very showy for mixed borders and shrubbery, etc. Height 3 ft.05
- FERNs**. All species mixed; saved from the choicest varieties. Height $\frac{1}{2}$ to 2 ft.15
- FORGET-ME-NOT**. See Myosotis.
- FRAXINELLA** (Burning Bush). Red; handsome. The seed is slow to germinate. Height 2 ft.10

FREESIA

- FREESIA REFRACTA ALBA**. B. Well-known bulbous plants, blooming in one year from seed. White. Height $\frac{3}{4}$ ft. Pkt. \$0.10
- FRENCH HONEYSUCKLE** (Hedysarum coronarium). Red and white mixed. Hardy, profuse-blooming. Succeeds well near the seaside. Not to be confounded with the climbing Honeysuckle, as it is quite a distinct species. Height 3 ft.05
- FUCHSIA**. Hh. Favorite flowering shrubs. Seeds from the finest named varieties.
- Hybrida**. Single, finest mixed. Height 3 ft.25
- Double**. Finest mixed. Height 3 ft.25

GAILLARDIA GRANDIFLORA

- GAILLARDIA** (Blanket Flower). B. Very showy border plant.
- Germain's* **Grandiflora**. Splendid mixed. Height $1\frac{1}{2}$ ft. Pkt. \$0.10
- Maxima**. Golden yellow. Height 2 ft.10
- Lorenziana**. Double, mixed colors. Height $1\frac{1}{2}$ ft.05
- Picta**. Red and yellow. Height $1\frac{1}{2}$ ft.05
- GENTIANA ACAULIS**. An alpine plant of great beauty; fine for borders and rock work; intense blue. Height $\frac{1}{4}$ ft.10
- GERANIUM**. B. Seed saved from best varieties of all kinds
- Apple-scented**. Very fragrant. Height $1\frac{1}{2}$ ft.15
- Ivy-leaved**. Trailer. Finest mixed.15
- Tricolor**. Gold and bronze leaves. Height 2 ft.25
- Zonale, Single**. Finest mixed. Height 5 to 6 ft.10
- Double**. Finest mixed. Height 3 ft.25
- See Pelargonium (page 61) for show varieties.
- GERBERA JAMESONI** (Transvaal Daisy). The Scarlet Daisy of South Africa.50
- GEUM COCCINEUM** (Scarlet Aven). A Chilean plant of great beauty; very useful in mixed borders. Scarlet. Height 2 ft.10
- GLOXINIA HYBRIDA**. T. A beautiful greenhouse perennial bulb. Seed saved from the finest erect and drooping varieties. Finest mixed. Height 1 ft.25
- GOLDENROD**. See Solidago.
- GYPSOPHILA PANICULATA**. B. Very graceful, flowering in panicles, and excellent for cut-flowers. White. Height $1\frac{1}{2}$ ft. See also Annuals.05
- HELIOTROPISM** (Cherry Pie). Deliciously fragrant, also fine for pot culture. Finest mixed. Height 6 ft.10
- HEUCHERA**. B. Allied to the Saxifragas; very graceful; valuable for cut-flowers.
- Alba**. White. Height 1 ft.15
- Sanguinea**. Crimson. Height 1 ft.15
- HIBISCUS**. Well-known showy perennial shrubs with brilliant flowers.
- Coccineus**. Scarlet. Height 5 ft.10
- Roseus grandiflorus**. Pink. Height 4 ft.10

FLOWER *Germain's* SEEDS

PERENNIALS (Continued)

HOLLYHOCK

HUNNEMANNIA

HOLLYHOCK. Favorite hardy perennials. Will flower the first season if sown early.	Pkt.
Allegheny. Semi-double, fringed, mixed. Height 5 ft..	\$0.10
Chater's Superb Double Mixed English. Height 5 ft....	.10
German Finest Double Crimson. Height 5 ft.....	.10
Pink. Height 5 ft.....	.10
White. Height 5 ft.....	.10
Yellow. Height 5 ft.....	.10
Mixed. Height 5 ft.....	.10
HONESTY. B. Interesting in a dried state, the membranous lining of the seed-pod making a handsome ornament for winter bouquets. Purple. A biennial. Height 1½ ft.....	.10
HUNNEMANNIA FUMARIAEFOLIA. A showy plant belonging to the Poppy family. Yellow. Height 2 ft.....	.10
HYACINTHUS CANDICANS. A bulbous plant, throwing up a spike bearing 20 to 30 yucca-like flowers; pure white and fragrant. Height 3 ft.....	.10
IPOMOPSIS (Texas Plumes). Showy scarlet and gold pyramidal blossoms and feathery foliage. Fine mixed. Biennial. Height 3 ft.....	.10
LANTANA. B. White, rose and yellow partcolored fragrant flowers, like heliotrope in form. Finest mixed. Height 4 ft.....	.10
LAVENDER SWEET. Blue; a hardy shrub, well-known and esteemed for its delicious fragrance. Height 3 ft..	.05
LINARIA CYMBALARIA (Kenilworth Ivy). White and purple; very pretty for rock and hanging-baskets; trailer.....	.10
LOBELIA CARDINALIS (Cardinal Flower). A handsome border plant with bronze foliage and brilliant scarlet flowers. Height 2 ft.....	.10
LUPINUS. B. Mixed, all colors. Height 1 to 4 ft.....	.05
LYCHNIS (Jerusalem Cross). B. Favorite hardy plants for borders and shrubbery.	
Chalcedonica. Bright scarlet. Height 2 ft.....	.05
Haageana Hybrida. Finest mixed. Height 2 ft.....	.10

MARVEL OF PERU (Four O'clocks). This well-known plant has few rivals for beauty, expanding in the afternoons and continuing open all night. Finest mixed. Height 2 ft.....	Pkt.
MATRICARIA EXIMIA (Feverfew). B. Double white, very handsome, showy flowers, continuing a long time in bloom. Height 2 ft.....	\$0.05
MIMULUS. Brilliant perennials, flowering for the first season if sown early; also suitable for pot-culture.	
Cardinalis (Scarlet Monkey Flower). Dark red. Height 1½ ft.....	.10
Tigrinus grandiflorus. Finest mixed, spotted and tigered varieties. Height 1½ ft.....	.10
MUSK PLANT (Mimulus moschatus). Yellow; a universal favorite. Height ½ ft.....	.10
MYOSOTIS (Forget-me-not). B. Very beautiful and much prized for spring flowers.	
Azurica. Dark blue. Height ½ ft.....	.10
Alpestris. Light blue. Height ½ ft.....	.10
<i>Germain's</i> Dissitiflora. Brilliant blue, earliest flowering. Height ½ ft.....	.15
Palustris semperflorens. Bright blue. Height 1 ft.....	.10
NIEREMBERGIA GRACILIS. Silvery lavender. Excellent for hanging-baskets, edgings, etc. Height 1 ft.....	.10
OENOTHERA LAMARCKIANA. A grand Evening Primrose, with long spikes of yellow flowers. Yellow. Height 4 ft.....	.05
OXALIS (Shamrock, or Wood Sorrel). Delightful little plants for edging, hanging-baskets and rockwork.	
Rosea. Pink. Height ½ ft.....	.10
Tropaeoloides. Yellow. Height ¼ ft.....	.10

PANSY or HEARTSEASE

CULTURE: Pansies must have a good rich soil and plenty of moisture. They can be sown in this climate all the year round, although we advise Fall planting for best results. In order to keep up the size of the pansies, the flowers should be picked frequently and constantly so as to encourage the development of the buds.

GERMAIN'S GIANT PRIZE PANSIES

Beautiful Colored Illustration on the front cover

We are pleased to call your attention to our Superb Giant Prize Pansies and we do not hesitate to recommend our Mixture as containing the finest and largest varieties in the world. Each year we add the latest Giants and so our mixture is unsurpassed in size, in beauty of markings and of colorings. The innumerable varieties of Pansies embracing every color from white to black, maroon, yellow, purple, striped, mottled, wine shades, bronze, sienna and those with the delicate markings as well as those with the bold showy faces are all found in our mixture.

What could be more interesting to any lover of flowers than a bed of Pansies fresh with the morning dew, some clad in their rich velvety petals and others turning their smiling faces upward asking only to be appreciated in their brief effort to make the world a little more beautiful! For Pansy Plants of all varieties see page 91.

We offer five separate colors in these Giants for those wishing to carry out a color scheme.

GIANT EMPEROR WILLIAM. Very showy. Corn-flower blue.....	.25
GIANT KING OF THE BLACKS.....	.25
GIANT MADAME PERRET. An exquisite pansy. Every blossom displays the soft red wine shades in varying degree, either faint or intense.....	.25
GIANT GOLDEN YELLOW. Five spotted. Very beautiful.....	.25
GIANT WHITE. With purple eye, extra fine....	.25
GERMAIN'S SUPERB GIANT PRIZE MIXTURE..	.25

Germain's Special Collection, 25 cents per package, or the Collection of Six for \$1.00.

PERENNIALS (Continued)

- PELARGONIUM** (Lady Washington Geranium), B. Pkt.
Favorite bedding and greenhouse plants, with brilliant flowers. Seeds saved only from the finest sorts. Fancy, best and richest colors mixed. Height 3 ft. \$0.25
- Large-flowered.** Richest colors, mixed. Height 3 ft.15
- PENTSTEMON.** B. Fine herbaceous perennials, very showy in mixed borders.
- Germain* **Hartwegi grandiflorus.** New large-flowered mixed. Height 2 ft.15
- Finest Mixed.** Height 2 ft.50

PETUNIA

CULTURE—The Petunia is a hardy Perennial, producing the most showy flowers in the greatest profusion. For bedding purposes or garden decoration, it is indispensable. It succeeds best in a sunny location. Sow the seed very shallow and keep moist. The Single Petunia is of the easiest culture—seeds itself when once planted and grows in any soil that will sustain plant life.

- PETUNIA.** Very ornamental, free-flowering plants, Pkt. for bedding in masses or borders.
- Single Inimitable.** Blotched and striped, very handsome. Height 1 ft. \$0.10
- Germain* **Giants of California.** Very large ruffled and fringed, extra fine mixed. Height 1 ft.25
- Fringed.** Large-flowered, superb mixed. Height 1 ft.25
- White.** Height 1 ft.10
- Good Mixed.** Height 1 ft.10
- Double Fringed.** Superb mixed. Height 1 ft.50
- Extra-Fine, Mixed.** Height 1 ft.25

PANSY (Continued)

- AZURE BLUE.** Height ½ ft. Pkt. \$0.10
- BUGNOT'S SUPERB BLOTCHED.** Extra fine. Hgt ½ ft.50
- CASSIER'S.** Very large-flowered, finest mixed. Hgt. ½ ft.25
- COMMON BEDDING MIXTURE.**05
- EMPEROR WILLIAM.** Ultramarine blue. Height ½ ft.10
- ENGLISH MIXED.** Extra select, large velvety. Hgt ½ ft.15
- FAUST, OR KING OF THE BLACKS.** Coal-black. Height ½ ft.10
- GERMAIN'S GIANT PRIZE MIXTURE** (see page 60).25
- GIANT TRIMARDEAU.** Mixed, very large and of vigorous growth. Height ¾ ft.25
- Parisian Large Stained.** Large-flowered. Height ¾ ft.25
- GOLD-MARGINED.** Brown with gold border. Hgt. ½ ft.10
- GOLDEN YELLOW.** Pure. Height ½ ft.10
- Dark center.** Height ½ ft.10
- LORD BEACONSFIELD.** Large, purple-violet shading off to lavender. Height ½ ft.10
- MADAME PERRET.** Wine, pink and red shades. Beautiful veins and white margins.25
- MAHOGANY-COLORED.** Height ½ ft.10
- MASTERPIECE.** New Giant curled, or ruffled Pansy. Highest perfection in the class.25
- ODIER'S FIVE-BLOTCHED.** Very fine, with a black blotch on each petal. Height ½ ft.25
- PEACOCK.** Royal purple, shot with peacock-blue. Height ½ ft.15
- PRESIDENT CARNOT.** White, violet blotches. Hgt ½ ft.15
- SCOTCH PRIZE.** Selected prize flowers. Hgt. ½ ft.50
- SNOWFLAKE.** Pure white. Height ½ ft.10
- STRIPED AND VARIEGATED VARIETIES.** Hgt. ½ ft.10
- VICTORIA.** Blood-red. Height ½ ft.15
- VIOLET.** White-margined. Height ½ ft.10
- WHITE, with Black Center.** Height ½ ft.10
- FINE MIXED.** Height ½ ft.10

SINGLE PETUNIA (above)

DOUBLE PETUNIA (below)

FLOWER *Germain's* SEEDS

PERENNIALS (Continued)

PHLOX: PERENNIAL. B. A very showy, handsome plant. Finest mixed. Height 2 ft.	Pkt. \$0.10
PHYSALIS FRANCHETI (Chinese Lantern Plant). Very ornamental; produces an abundance of large, white flowers, followed by inflated husks, which are first green, afterward changing to a yellowish color, and then to orange-scarlet; in shape like a Chinese lantern. White. Height 2 ft.	.15
PICOTEE PINK. B. Splendid Hardy Pinks, beautifully marked on edge of petals. Finest mixed. Height 1½ ft.	.15
PINK, FLORIST'S (Pheasant's Eye Pink). B. Very fine, usually marked with a ring in center, double and fragrant. From fine show varieties, mixed. Height 1 ft.	.10
POINSETTIA PULCHERRIMA (Christmas Flower)	.25
POLEMONIUM COERULEUM (Jacob's Ladder). An old-fashioned English perennial, used in mixed borders. Blue. Height 2½ ft.	.10
POLYANTHUS. Charming early-flowering plants, beautifully laced and edged. Finest Gold-laced varieties. Height ½ ft.	.25
Choice Mixed. Height ½ ft.	.10

POPPY—PERENNIAL HYBRID

POPPY. Very showy plants for mixed borders. The Iceland Poppies will bloom the first year from seed if sown early. For other varieties, see list of annuals.	
Perennial Hybrid Mixed. Height 4 ft.	Pkt. \$0.25
Papaver bracteatum. Scarlet. Height 3 ft.	.10
Oriente. Dark red. Height 4 ft.	.10
Mixed. Height 4 ft.	.10
Iceland (Papaver nudicaule). Yellow. Height 1½ ft.	.10
Orange. Height 1½ ft.	.10
White. Height 1½ ft.	.10
Mixed. Height 1½ ft.	.10
PRIMROSE. An old-fashioned garden-favorite. True English yellow. Height ½ ft.	.15
PRIMULA SINENSIS. T. Fine pot-plants for winter and spring flowering; for indoor culture.	
Fringed. White. Height ½ ft.	.25
Red. Height ½ ft.	.25
Finest Mixed Fringed. Height ½ ft.	.25
Obconica. T. Light mauve. Height ½ ft.	.15
PYRETHRUM CINERARIAEFOLIUM. The plant from which is made the Persian insect powder in Europe, or "Buhach," as made in California.	.15
Roseum hybridum. Single. Finest mixed. Height 2 ft.	.10
Partheniolum aureum (Gold Feather). Height ½ ft.	.10
Selaginoides. Yellow fern-like foliage, very fine. Height ½ ft.	.10
The second variety is grown for its flowers, the last two are well-known edging plants.	

ROMNEYA COULTERI (Matilija Poppy). A noble plant. White, with yellow center. Height 6 to 10 ft.	Pkt. \$0.10
ROSE CAMPION (Agrostemma coronaria). Crimson flowers; silvery foliage. Height 1½ ft.	.05
ROCKET, SWEET (Dame's Violet). Valuable for borders, free-blooming and sweet-scented. Fine mixed. Height 1½ ft.	.05
RUDBECKIA BICOLOR SUPERBA SEMIPLENA. Semi-double flowering. Fine for cutting. Height 2 ft.	.10
SALVIA (Flowering Sage). B. Brilliant-flowering plants for borders, back-grounds and centers of beds.	Pkt.
<i>Germain</i> Bon-fire Dwarf. Brilliant scarlet flowers. Height 2½ ft.	.10
Patens. Hh. Sky-blue. Height 2 ft.	.15
Splendens. Hh. Dazzling scarlet. Height 3 ft.	.10
SANTOLINA CHAMALCYPARISSUS (Lavender Cotton). A silvery-leaved plant, useful for edging. Height 2 ft.	.10
SAXIFRAGA (Mother of Thousands or London Pride). Charming little trailing plants for hanging baskets, vases or rockwork. Fine mixed. Height ½ ft.	.15
SENSITIVE PLANT (Mimosa pudica). An interesting plant with the peculiarity of closing its leaves when touched. Pink. Height 2 ft.	.05
SOLIDAGO CANADENSIS (Goldenrod). Height 2 to 3 ft.	.05
SOLANUM, WEATHERILL'S HYBRIDS. Hh. Decorative species for pot culture, bearing orange-colored berries. Mixed. Height 1 ft.	.10
STATICE LATIFOLIA (Sea Lavender). A favorite hardy perennial with bright blue flowers, very useful for bouquets. Height 1 ft.	.10
STEVIA SERRATA. B. A valuable plant for florists, producing large heads of small, white fragrant flowers; very graceful and excellent for cutting purposes. White. Height 1½ ft.	.10
STOCKS (Biennial and Perennial). B. (For Ten-weeks Stocks, see Annuals). All these Stocks are very double, fragrant and handsome. The intermediate varieties are biennials. The last three species are splendid decorative border plants. The true "Gilliflower."	
<i>Germain</i> Beauty of Nice. Exquisite flesh-pink.	.15
Brompton. Flesh-color, bright rose, brick red, crimson, light blue, violet, white and finest mixed. Height 2 ft.	.15
Cocardeau, or Giant Cape Winter. Finest mixed. Ht. 2½ ft.	.15
Emperor. Very fine mixed. Height 2½ ft.	.15
Intermediate East Lothian. Crimson purple and white. Height 2 ft.	.15
Finest Mixed. Height 2 ft.	.10
SWEET WILLIAM. B. Well-known and very showy plants for borders; flowering early in the spring.	
Hunt's Auricula-flowered Perfection. Single mixed. Height 1½ ft.	.10
Single. Pure white. Height 1½ ft.	.10
Finest mixed. Height 1½ ft.	.05
Double. Finest mixed. Height 1½ ft.	.10
VALERIANA. Mixed. Height 2 ft.	.05
VERBENA. B. A well-known favorite bedding plant. The Lemon Verbena is a shrubby, perennial in our mild climate.	
Auricula-flowered Mixed. With white centers; trailer.	.10
Italian Striped. Finely striped and mottled; trailer.	.10
Large White. Trailer.	.10
Lemon-scented (Aloysia citrodora). Lavender. Height 8 to 10 ft.	.15
<i>Germain</i> Mammoth Mixed. Trailer.	.15
Pink. Trailer.	.10
Purple. Trailer.	.10
Scarlet. Trailer.	.10
Fine Mixed. Trailer.	.05
VINCA ROSEA (Madagascar Periwinkle). Red. Height 2 ft.	.10
Alba. White, with red eye. Height 2 ft.	.10
Mixed. Height 2 ft.	.10
VIOLA. B. With the exception of Viola cornuta, these favorites are too well known to need comment.	
Cornuta. Resembles the Fancies, and is admirably adapted for bedding purposes. Mixed. Height ½ ft.	.10
Odorata (Sweet Violet). Height ¼ ft.	.10
White. Height ¼ ft.	.10
Prince of Wales. Very large. Height ¼ ft.	.10
WALLFLOWER. B. Well known fragrant plant. Single mixed. Height 2 ft.	.05
Blood-red. Height 1 ft.	.10
Belvoir Castle. Dwarf yellow. Height ¾ ft.	.10
<i>Germain</i> Double German Mixed. Height 2 ft.	.15
Harbinger. Rich blood-red. Height 1 ft.	.10
WIGANDIA CARACASANA. Plants remarkable for the large size of their leaves; much prized as single specimens for lawns and sub-tropical gardening. Violet. Height 8 to 10 ft.	.15

FLOWER *Germain's* SEEDS

CALIFORNIA NATIVE FLOWER SEEDS

Collections

Souvenir Collection of 15 Choice Varieties of California Native Flower Seeds.....	.50
Eight Beautiful Varieties of California Poppies, in crimson, yellow, white and shaded sorts.....	.50

BRODIAEA CAPITATA (Cluster Lily). Pretty, bulbous; flowers early in spring; deep violet to white. Height $\frac{3}{4}$ to 1 ft.....	Pkt. \$0.10
DELPHINIUM CARDINALE (Scarlet Larkspur). Magnificent perennial; flowers intense bright scarlet. Height 3 to 5 ft.....	.10
Parryi (Blue Larkspur). Beautiful annual; flowers bright blue. Height 2 ft.....	.15
DICENTRA CHRYSANTHA (California Bleeding Heart). Perennial; orange-yellow. Height 3 to 5 ft.....	.15
DODECATHEON CLEVELANDI (Shooting Star). Perennial; purple, bordered with yellow. Height $\frac{3}{4}$ ft.....	.15
EMMENANTHE PENDULIFLORA (Whispering Bells). Bushy annual; small, light yellow, bell-shaped flowers. Height 1 to 1 $\frac{1}{2}$ ft.....	.15

ESCHSCHOLTZIA

(CALIFORNIA POPPY)

ESCHSCHOLTZIA . The well-known California Poppy. The Golden West is a fine variety producing very large flowers, of a light canary-yellow color, with an orange blotch at the base of each petal, forming a maltese cross in the center of the flower.	
Californica . Yellow. Height 1 ft.....	.05
Crimson Flowering . (Burbank's).....	.10
Golden West . Canary-yellow and orange. Height 1 ft.....	.10
Mandarin . Orange and mandarin red. Height 1 ft.....	.10
Orange . Height 1 ft.....	.05
Double . Height 1 ft.....	.10
Rose Cardinal . Height 1 ft.....	.10
White . Height 1 ft.....	.05
Double . Height 1 ft.....	.10
White and Carmine . Height 1 ft.....	.10
Fine Mixed . All sorts. Height 1 ft.....	.65

CALIFORNIA POPPY (ESCHSCHOLTZIA)

ROMNEYA COULTERI

LATHYRUS SPLENDENS (Pride of California). Magnificent perennial climbing pea; produces abundant, large, rich crimson flowers in clusters of ten or more. Height 6 to 10 ft.....	Pkt. \$0.15
LAYIA CALLIGLOSSA (Tidy Tips). A pretty annual; flowers yellow tipped with white; petals daisy-like, but broader, and with serrate tips. Height 6 to 12 inches.....	.10
Glandulosa (White Daisy). Annual flowers pure white and daisy-like, but petals broader and with serrate tips. Height 6 to 12 inches.....	.10
LEPTOSYNE STILLMANI . A pretty annual, with compact, bushy, thin-cut leaves; flowers golden yellow, $1\frac{1}{2}$ inches in diameter. Height 1 ft.....	.15
NEMOPHILA INSIGNIS (Baby Blue Eyes). Annual; sky-blue flowers. Height 4 to 6 inches.....	.05
PHACELIA PARRYI . Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 inches.....	.10
PLATYSTEMON CALIFORNICUS (Cream Cups). Annual; poppy-like. Height 8 to 10 inches.....	.05
ROMNEYA COULTERI (Matilija Poppy). The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. Height 6 to 10 ft.....	.10

FLOWER *Germain's* SEEDS

EVERGREEN TREE AND SHRUB SEEDS

All those varieties quoted at less than 50 cents per ounce we supply at 10 cents per packet. All those quoted at 50 cents and upwards we supply at 15 cents per packet.

ACACIA BAILEYANA. A small, handsome tree with glaucous green foliage. Leaves pinnate; three to four pairs, leaflets about twenty pairs $1\frac{1}{2}$ to $2\frac{1}{2}$ lines long, crowded; Flowers in racemes 3 to 4 inches long, yellow. One of the most beautiful of the Acacias; highly recommended for street planting. Height 25 ft. Ounce 60 cents, pound \$6.00.

Cultriformis (Knife-leaved Acacia). A distinct and beautiful species of upright growth, forming a large shrub, with glaucous green leaves about $\frac{3}{4} \times \frac{1}{2}$ inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 ft. Ounce 50 cents, pound \$5.00.

Dealbata (Silver Wattle). Very ornamental. Height 15 ft. Ounce 40 cents, pound \$4.00.

Decurrens (Green or Black Wattle). A medium-sized tree of rapid growth, very useful for wind-breaks. It is also very rich in tannin. Wood is valuable for fuel, for turner's and cooper's work. Height 30 ft. Ounce 35 cents, pound \$3.50.

Germain's **Floribunda.** Ornamental, with very abundant handsome flowers, valuable for lawns, parks, cemeteries, etc. Height 25 ft. Ounce 50 cents, pound \$5.00.

Latifolia. A handsome shade tree, succeeding especially well near the seacoast. Leaves broad; yellow flowers. Native of South Africa. Height 40 ft. Ounce 50 cents, pound \$5.00.

Linifolia (Flax-leaved). An ornamental shrub, with yellow flowers, growing in heads two to four together. Height 8 ft. Packet 15 cents.

Lophantha (Albizia Lophantha; Cape or Crested Wattle). One of the most rapid-growing trees for first temporary shelter, succeeding in the most desolate places. Height 25 ft. Ounce 15 cents, pound \$1.25.

Germain's **Melanoxylon** (Blackwood). In sheltered, irrigated glens this tree will reach a height of from 80 to 100 feet, with a trunk several feet in diameter. The timber is very valuable for cabinet-maker's work. Height 80 ft. Ounce 35 cents, pound \$3.50. (See cut page 80.)

Mollissima (Green Wattle). An abundant-blooming small tree, very ornamental; suitable for lawns and shrubbery. Height 25 ft. Ounce 50 cents, pound \$5.00.

Podalyriaefolia. This is a beautiful shrub, and produces the largest and richest yellow flowers of all the acacias. It is especially recommended for cut flowers. Packet 25 cents.

Pycnantha (Golden Wattle). Of rapid growth, doing especially well near the seacoast, and containing a large quantity of tannin. Height 40 ft. Ounce 30 cents, pound \$3.00.

Saligna (Willow-leaved Acacia). Small tree of weeping habit; ornamental. Height 15 to 20 ft. Ounce 40 cents, pound \$4.00.

BORONIA MEGASTIGMA. A beautiful little shrub; flowers copper-color, with strong violet odor. Very rare. Seed germinates slowly. Height 2 ft. Packet 50 cents.

BRACHYCHITON ACERIFOLIUM (Flame Tree). Of fine, sturdy, pyramidal growth, with large, handsome foliage, producing masses of scarlet flowers. Height 25 ft. Ounce 30 cents, pound \$3.00.

BUXUS SEMPERVIRENS (Evergreen Box). Hardy, dwarf habit, 8 ft. Ounce 40 cents, pound \$4.00.

CAMPORA OFFICINALIS (Camphor Tree). 50 ft. Ounce 25 cents, pound \$2.50.

CASUARINA QUADRIVALVIS (Coast She-Oak). Very valuable for seacoast culture to prevent the inroads of the sea upon sand hills. Of quick growth. Wood valuable for shingles, etc. Height 60 ft. Ounce \$1.00.

Stricta (She-Oak). Is tougher than the other species; excellent wood for tool handles. Height 30 ft. Ounce \$1.00.

Suberosa (Erect She-Oak). A beautiful shade tree. Valuable for fuel. Height 60 ft. Ounce \$1.50.

Torulosa (Forest She-Oak). Wood very valuable for timber; also for fuel, burning to a clear white ash and leaving no cinders. Height 75 ft. Ounce \$1.00.

CEDRUS DEODARA (Himalayan Cedar). A noble evergreen of pyramidal form. 100 ft. Ounce 50 cents, pound \$5.00.

Libani (Cedar of Lebanon). Beautiful for lawn. 80 ft. Ounce 50 cents, pound \$5.00.

CORONILLA GLAUCA. For hedges. Packet 15 cents, ounce 75 cents.

CRYPTOMERIA ELEGANS (Fine-leaved Japan Cedar). Foliage glaucous green. 50 ft. Ounce 50 cents.

Japanica (Japan Cedar). Splendid on lawns. 75 ft. Ounce 30 cents, pound \$3.00.

CUNNINGHAMIA SINENSIS. A lofty evergreen resembling the Araucaria, but more feathery. 100 ft. Ounce \$2.50.

CUPRESSUS GOVENIANA (Goven's Dwarf Cypress). A native variety. Very ornamental. 30 ft. Ounce 40 cents, pound \$4.00.

Arizona (Blue Cypress). A rapid-growing variety, ornamental for lawns. 50 ft. Ounce 50 cents, pound \$5.00.

Macrocarpa (Monterey Cypress). Useful for hedges, wind-breaks, etc. 50 ft. Ounce 20 cents, pound \$2.00.

Lawsoniana (Lawson's Cypress). A native variety found in northern California and Oregon. Wood white, fragrant and close-grained. Generally known as Oregon or White Cedar. Height 100 ft. Ounce 40 cents, pound \$4.00. (See cut p. 79.)

Sempervirens (Italian Cypress). A European variety, very long-lived, the wood of which is almost imperishable. Height 70 ft. Ounce 30 cents, pound \$3.00.

FICUS AUSTRALIS (Australian Banyan Tree). A fine evergreen tree, very useful for shade and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts they should be sheltered until they are four years old and well established. Height 50 ft. Ounce \$1.00.

MACROPHYLLA (Moreton Bay Fig, or Long-leaved Rubber Tree). A magnificent ornamental shade tree, with large, bright, glossy green leaves. Height 100 ft. Ounce \$1.00.

GREVILLEA ROBUSTA (Silky Oak, or Australian Fern Tree). A well-known shade tree, with fern-like foliage and orange flowers; of rapid growth and drought resisting to a remarkable degree. Height 150 ft. Ounce 50 cents, pound \$5.00. (See cut page 81.)

JACARANDA OVALIFOLIA (Brazilian Jacaranda). A handsome tree with fern-like foliage, and magnificent clusters of light blue flowers. Hardy in this vicinity. Height 30 ft. In pods containing from 30 to 40 seeds. Pod 5 cents.

JUNIPERUS VIRGINIANA (Red Cedar). A well-known American tree. Height 50 ft. Ounce 25 cents, pound \$2.50.

HAKIA SALIGNA. A splendid ornamental evergreen shrub-like tree, growing some 12 to 20 feet high, with a broad, dense growth. A sheared Juniper, but of a very bushy habit; of very green light color. Packet 25 cents.

LIBOCEDRUS DECURRENS (California Red Cedar). A very handsome tree, native to the coast range from San Diego to Oregon. Some fine specimens may be seen in Santa Barbara. Height 100 ft. Ounce 40 cents, pound \$4.00.

LIGUSTRUM JAPONICUM (Japan Privet). One of the best hedge plants. Height 12 ft. Ounce 15 cents, pound \$1.50.

MAGNOLIA GRANDIFLORA (Large flowering Magnolia). A native of the southern states where its presence indicates good soil. Height 100 ft. Ounce 35 cents, pound \$3.50. (Seed furnished only during the fall and winter.)

PARKINSONIA ACULEATA. A tree that should receive more attention. A wonderful sight when in bloom and a grand lawn subject any time in the year; will grow without water on our driest hills and dales. Native trees. Packet 25 cents.

ACACIA LOPHANTHA

EVERGREEN, TREE AND SHRUB SEEDS (Continued)

SEQUOIA GIGANTEA

- PINUS CANARIENSIS** (Canary Island Pine). Robust and healthy, bright green foliage. Grows nearly as fast as the Monterey Pine. Height 100 ft. Ounce 35 cents, pound \$3.50.
- Coulteri Macrocarpa** (Big Cone Pine). A fine native tree, of very robust growth, with bluish gray leaves a foot in length. Has the largest cone of all pines, sugar-loaf shaped and edible. Height 100 ft. Ounce 40 cents, pound \$4.00.
- Insignis** (Monterey Pine). This well-known native variety is of very rapid growth, and succeeds well in any kind of soil. Height 100 ft. Ounce 35 cents, pound \$3.50.
- Lambertiana** (Sugar Pine). One of our largest native pines, forming a beautiful tree with light brown bark. Height 150 ft. Ounce 35 cents, pound \$3.50.
- Maritima** (Seaside Pine). Well adapted for planting near the sea. Height 60 ft. Ounce 15 cents, pound \$1.50.
- Parryana** (Mexican Pinon). A small-growing pine, native of Lower California mountains, growing on the desert side of the range, withstanding considerable drought; a very attractive, fine pine. Ounce 50 cents, pound \$5.00.
- Ponderosa** (Yellow Pine). A native variety found in the coast range at a high altitude. Specimens have been found 300 feet high and 15 feet in diameter. Bark thick and of red-brown color. Height 250 feet. Ounce 35 cents, pound \$3.00.
- Strobus** (Weymouth or White Pine). A stately, straight and valuable tree. Height 100 ft. Ounce 40 cents, pound \$4.00.
- Sabiniana** (Diggar Pine). Found in the hot interior foot-hills of Southern California; low-branching habit, light gray, glaucous foliage; seeds edible, are highly esteemed by the Indians and whites, and are known to the natives as Pinions or Diggar Pine. Ounce 30 cents, pound \$3.00.
- Torreyana**. One of the most beautiful of our native Pines. A fine specimen may be seen in cultivation in the Hotel Green grounds at Pasadena. Height 50 ft. Ounce 40c, pound \$4.
- PITTSOPORUM EUGENIODES**. A valuable evergreen for lawns, parks or cemeteries; of graceful form; light, bright green foliage. Is suitable for tall garden hedges. From South Australia. Height 20 ft. Ounce 50 cents.
- Nigricans**. Dark brown. Height 10 ft. Ounce 50 cents.
- POLYGALA GRANDIFLORA**. A very desirable flowering shrub. Very free-blooming and ornamental. Packet 25 cents.
- SCHINUS MOLLE** (Mexican Pepper Tree). See cut page 81. A well-known handsome shade-tree, with light feathery foliage and bright scarlet berries. Hgt 50 ft. Oz. 10c, pound \$1.
- SCIADOPYTIS VERTICILLATA** (Japan Umbrella Pine). Curious and remarkable. Leaves are a dark glossy green, crowded into whorls at the joints of horizontal branches. Very ornamental. Height 60 ft. Ounce 75 cents, pound \$7.50.
- SOLANUM ERECTUM** (S. Betaceum; Guatamala Tree Tomato). A handsome evergreen of good form, and bearing yellow fruit the size of an egg, with a pleasant subacid flavor. Height 8 ft. Packet 25 cents.

SEQUOIA GIGANTEA (California Big Tree). Biggest of trees, and probably the longest-lived. Specimens often found 400 feet high. Height 300 ft. Ounce \$1.00, pound \$12.00.

Sempervirens (California Redwood). Wood reddish, soft, close veined, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Ornamental for lawns or parks. Height 200 ft. Ounce 50 cents, pound \$5.00.

TERCULIA DIVERSIFOLIA (Brachychiton populneum). A handsome tree of erect, symmetrical growth, with a heavy trunk. The leaves vary much in shape, some poplar-like, others ivy-shaped, others slightly or deeply cut. Without doubt the finest street tree for Southern California and is being very extensively planted. Height 60 ft. Ounce 60 cents, pound \$6.00.

Platanifolia (China Parasol Tree). Very ornamental, with large, plane-like leaves. An excellent tree for avenue or park planting. Height 40 ft. Ounce 30 cents, pound \$3.00.

ELOPEA SPECIOSISSIMA (Waratah, or Australian Tulip). One of the most gorgeous and showy shrubs yet introduced. Flowers crimson-scarlet, in large heads, which are discernible at a great distance. Height 8 ft. Packet 15 cents.

THUJA AUREA (Golden Arborvitae). A dwarf Chinese variety, compact, globular in shape; top foliage yellowish green; for lawns cemeteries, etc. Ht. 10 ft. Ounce 30 cts, pound \$3.

Germain's **Aurea semper-aurea** (Ever Golden Arborvitae). Dwarf habit and free growth. Retains its golden color the year round. One of the prettiest dwarf evergreens. Height 8 ft. Ounce 40 cents, pound \$4.00.

Compacta (Compact Arborvitae). Handsome, compact, globular form. Height 5 ft. Ounce 35 cents, pound \$3.50.

Occidentalis (American Arborvitae or White Cedar). A common and well-known tree, native of the Atlantic states. Height 50 ft. Ounce 30 cents, pound \$3.00.

Orientalis (Chinese Arborvitae). A small, elegant tree, peculiar from its flattened branches, which are dense and light green in color. Valuable for planting on lawns. Height 10 ft. Ounce 25 cents, pound \$2.50.

VIBURNUM TINUS (Laurustinus). Fine winter flowering shrub, blooming abundantly during the winter. Also a valuable hedge plant. Height 8 ft. Ounce 15 cents, pound \$1.50.

DECIDUOUS TREE AND SHRUB SEEDS

All varieties 10 cents per packet.

CALYCANTHUS FLORIDUS (Carolina Allspice). Remarkable for the scent of its flowers, which resembles that of the ripe fruit. Will grow in almost any soil. Flowers brown. Height 4 ft. Ounce 20 cents, pound \$2.00.

CAPPARIS SPINOSA (Caper Tree). A flowering shrub with handsome bluish color flowers. The undeveloped flower-buds are the true capers of commerce. Height 3 ft.

CATALPA SPECIOSA (Indian Bean Tree). A rapid-growing tree, good for timber claims. Flowers white and purple. Height 50 ft. Ounce 25 cents, pound \$3.00.

CERATONIA SILIQUA (St. John's Bread). The Carob or Locust Tree of Scripture, with yellow flowers and edible saccharine pods. Height 30 ft. Ounce 15 cents, pound \$1.50.

FRAXINUS VELUTINA (Arizona Ash). A variety largely used through the arid West as a shade and street tree, large quantities being planted in Arizona and New Mexico as street trees, which make remarkably quick growth and stand the heat and dryness well. Ounce 35 cents.

GLEDITSCHIA TRIACANTHOS (Three-horned or Honey Locust). Hardy and of rapid growth. Will form an impenetrable hedge. Seeds should be soaked in boiling water before sowing. Height 60 ft. Ounce 10 cents, pound 60 cents.

MACLURA AURANTIACA (Osage Orange). A well-known hedge plant. Height 40 ft. Ounce 10 cents, pound \$1.00.

MELIA AZEDERACH SPECIOSA (Texas Umbrella Tree). Of very rapid growth, with long pinnate leaves and wood of a reddish color, resembling the ash; durable and makes excellent fuel. Thrives in dry soils. Valuable for avenue planting. Height 40 ft. Ounce 10 cents, pound 75 cents.

PAULOWNIA IMPERIALIS (Empress Tree). Very rapid-growing forms a broad flat head. Flowers violet, trumpet-shaped and fragrant. Height 30 ft. Ounce 30 cents, pound \$3.00.

PRUNUS SEROTINA (Wild Black Cherry). A fine ornamental tree having the appearance of the wild plum of California. Very hardy, fine lawn subject. Ounce 20 cts., pound \$2.

ROBINIA PSEUDACACIA (Yellow or Black Locust). Well known in this section; valuable for fuel and timber. Fine tree with which to plant timber claims. Height 60 ft. Ounce 10 cents, pound 75 cents.

SYRINGA VULGARIS (Purple Lilac). The common variety. One of the best; flowers and young foliage fragrant. Height 15 ft. Ounce 25 cents, pound \$2.50. (See cut page 78.)

Vulgaris alba (White Lilac). One of the best white varieties. Height 15 ft. Ounce 25 cents, pound \$2.50.

VIBURNUM OPULUS (Snowball, or Guelder Rose). An interesting shrub, with compact heads of snow-white flowers. Height 15 ft. Ounce 20 cents, pound \$2.00.

FLOWER *Germain's* SEEDS

EUCALYPTUS TREE SEED

DIRECTIONS FOR RAISING SEEDLING EUCALYPTUS

Sow seed in spring or late summer in shallow boxes in a light, sandy soil with plenty of drainage at the bottom of each box. Cover the seed lightly and protect from the hot sun, but allow plenty of air; water often, but sparingly, especially after seedlings appear, for if too much water is given at one time they will be liable to damp off. When the seedlings are two or three inches high transfer to shallow boxes, placing about 1½ inches apart each way, and when large enough transplant to where they are to remain, and water well the first year. The strong growing kinds can be sown in August, September and October, and are ready for planting out early in spring. Slower kinds, as *Eucalyptus amygdalina*, etc., sow in spring. One pound of seed will produce from 15,000 to 30,000 trees. All varieties put up in 15 cent packets.

Special price in quantities.

EUCALYPTUS TREES see page 80.

E. GLOBULUS (BLUE GUM)

EUCALYPTUS AMYGDALINA (Messmate Gum). Belonging to this variety are the tallest trees in the world. In Gippsland, Australia, are trees over 400 feet in height. Making first-class timber for flooring boards, scantling, etc.; well suited for avenue planting. Yields more essential oil than any other variety. Height 400 ft. Ounce 75 cents, pound \$8.00.

Bicolor (Black Box). Of great strength and durability. Useful for piles and railroad ties. Height 150 ft. Per ounce \$1.00.

Botryoides (Bangalay). A stately tree, stems attain 70 or 80 feet without a branch, and a diameter of 6 feet. Timber very durable and used for keels, planking, ribs of vessels, and fencing. Posts from old trees known to last for over 25 years. Will thrive in soil containing stagnant water and near the sea coast on light soil. Ounce 75 cents, pound \$8.00.

Calophylla. Ornamental, of rapid growth, with large clusters of cream-colored flowers. Its profuse bloom makes it an important source of nectar for bees. Timber also valuable for carpentry above ground. Height 50 ft. Ounce \$1.00.

Citriodora (Lemon scented Gum). A fine ornamental tree with lemon-scented foliage, supplying also a useful timber. More tender than most other kinds. Height 80 ft. Per ounce \$1.50.

Cornuta (Yate Tree). A rapid growing variety, it endures a high temperature, but will not stand frosts. Wood very durable, heavy and elastic, and considered equal to ash. Highly recommended for alkali land and thrives where other varieties perish. Height 100 ft. Per ounce \$1.00.

Corymbosa (Blood Wood). Wood of dark red color, easily worked while fresh, but when dry becomes very hard. Useful for fence posts and railroad ties, being durable under ground. Numerous gum veins render it of little use for saw purposes. Height 100 ft. Ounce \$1.00.

E. CORYNOCALYX, BLOSSOM

Corynocalyx (Sugar Gum). Very ornamental, rapid growing, with dark green leaves. Timber very durable and used for railroad ties as it lasts remarkably well underground. After studying this tree for years we believe we have no variety yet introduced that will equal it in value as a timber tree. Its growth is remarkably straight and perfect, and it will withstand more drought than most varieties. Height 100 ft. Ounce \$1.00, pound \$9.00.

EUCALYPTUS TREE SEED (Continued)

EUCALYPTUS CREBRA (Narrow-leaved Iron-bark). Wood reddish, heavy, elastic and durable, is ant and teredo proof. Useful for railroad ties, bridges and piles. Height 100 ft. Per ounce \$1.00.

Diversicolor (Karri Gum). From Southwest Australia. A tree of remarkable beauty, perfect shape, rapid growth, and one of the very best for street planting. Furnishes good timber for building, masts, shafts, spikes, fence rails, etc. Not recommended for dry localities or places. Height 300 ft. Ounce \$2.00, pound \$16.00.

Ficifolia (Scarlet flowering Gum). The most ornamental of the family. Flowers bright crimson, produced well above the foliage. One of the most effective trees in cultivation. Height 20 ft. Per 25 seeds 25 cents, 100 seeds 85 cents.

Globulus (Tasmanian Blue Gum). Well known; one of the most useful of all, and a very rapid grower. Planted largely in warm countries on account of its malaria destroying qualities. Remarkably good for fuel, being easily sawn and split. Also being extensively planted for timber having been used for piles in wharves on the Pacific Coast with very satisfactory results. Height 150 ft. Per ounce 50 cents, pound \$5.00.

Gonocalyx (New South Wales Blue Gum). Wood very durable, hard and tough. Much used by wheelwrights. A rapid grower. Height 200 ft. Per ounce \$1.00.

Gunnii (Tasmanian Cider Tree). Probably the hardiest of the genus. Will stand a considerable amount of frost. Recommended for all elevated and exposed positions. Good for fuel. Height 80 ft. Per ounce \$1.00, pound \$10.00.

Haemastoma (White Gum). Good for fencing and rough building material; also makes a fair fuel. It thrives near the sea coast on sandy soil, but is not suited to the dry interior. Height 150 ft. Per ounce \$1.00, pound \$12.00.

Hemiphloia (Common Box). Wood very hard, strong and durable. It thrives at and near the coast, on the foothills and in the dry, hot valleys of the interior. It furnishes a timber not easily split and is used for wheelwrights, handles and various implements; also makes a first-class fuel. Height 100 ft. Per ounce 75 cents.

Leucoxylen (Victorian Ironbark). Hard, strong, excels hickory in strength. Recommended for underground work in mines, for railroad ties, bridges, etc. Height 100 ft. Per ounce \$1.

Longifolia (Woolly Butt). A large tree, of great girth, growing well in any soil. Timber is durable and makes excellent fuel. The leaves yield a volatile oil and the profuse bloom furnishes nectar for bees. Height 200 ft. Per ounce 75 cents.

Maculata (Spotted Gum). Wood as strong as English Oak; extensively employed in shipbuilding and wheelwrights work. Height 100 ft. Per ounce \$1.00.

Melliodora (Yellow Box). Of spreading growth, with a comparatively stout stem, makes good fuel. The young trees are largely used for telegraph poles, and the flowers are much sought by bees. One of the strongest and most durable timbers in the world. Height 120 ft. Per ounce \$1.25.

Obliqua (Stringy Bark). A quick grower at or near the coast and some distance inland, but does not thrive in the hot interior. Best wood for flooring, scantling and shingles; used in the manufacture of paper. Inferior as fuel, but makes the best charcoal for the forge. Height 300 ft. Per ounce 75 cents.

Obtusifolia (Yellow Black Butt). A rapid growing variety, very good fuel. Also used for staves, coopers' and wheelwrights' work. Height 120 ft. Per ounce 75 cents.

Paniculata (White Ironbark). Wood hard and durable, excellent for railroad ties or for fencing. It splits well and is lasting underground. Height 100 ft. Per ounce 75 cents.

Pilularis (Black Butt). Of rapid growth. One of the best timber-yielding species, used for flooring boards, railroad ties and telegraph poles. Height 300 ft. Per ounce \$1.00.

Piperita (Peppermint Gum). Valuable for shingles, fence rails, etc. Yields a great quantity of oil, and is of remarkably quick growth. Height 300 ft. Per ounce \$1.00, pound \$10.00.

Polyanthema (Australian Beech or Red Box). Used for underground work. An excellent fuel. Flowers good for bees. Thrives in temperate and cold climates; succeeds in dry, hilly country. Height 150 ft. Per ounce 75 cents, pound \$9.

Regnans (Royal Mountain Ash). A very scarce variety, growing to a large size, and very hardy. Grows on the hill slopes of the Australian Alps, near the snow line. Timber durable and excellent for fuel. Height 200 ft. Per ounce \$1.25.

Resinifera (Forest Mahogany). A superior timber of large size, prized for its strength and durability. Suitable for tropical likewise cool climates near the coast. Fine for interior house work. Height 100 ft. Per ounce \$1.00.

Robusta (Swamp Mahogany). Thrives best on low grounds, especially near the sea coast. A remarkably healthy, robust variety. Height 100 ft. Per ounce 75 cents, pound \$8.00.

E. ROSTRATA

EUCALYPTUS ROSTRATA (Red Gum). Well known and highly esteemed in this section. Unsurpassed for durability, and is used for railroad ties, street pavements, shipbuilding, cabinet work, etc. Height 200 ft. Ounce 50 cents, pound \$5.

Rudis (Desert Gum). Valuable for arid regions, withstanding heat, cold and winds; unsurpassed by any other variety. Height 100 ft. Per ounce \$1.00, pound \$10.00.

Saligna (Weeping Gum). Very ornamental. Leaves and general habit are like the "Babylonian Willow." Prefers alluvial soil. Good for fuel. Height 75 ft. Per ounce \$1.00.

Siderophloia (Dark or Broad-leaved Ironbark). Wood very hard, light colored and heavy, of great strength and durability, and is used for railroad ties, spokes, shingles, bridges, jetties, etc. It is stronger than hickory. Also used for fuel. Height 150 ft. Per ounce \$1.00.

Sieberiana (Virgata) (Mountain Ash). Wood of excellent quality, strong and elastic, and may be used for all purposes where hickory or ash are at present used. Also a most excellent fuel. Grows on mountain tops and stony ridges. Height 150 ft. Per ounce \$1.00, pound \$12.00.

Stuartiana (Apple-scented Gum). A medium-sized tree with drooping branches. Will thrive on any soil. Wood very dark and handsome and takes a good polish. Useful for cabinet work; also good for fuel. Height 100 ft. Per ounce \$1.00.

Tereticornis (Gray Gum). A very handsome, large growing variety. Wood durable and useful for shingles, flooring, etc. Also an excellent fuel. It grows near the coast. It is similar to E. rostrata, but makes a straighter trunk. Height 200 ft. Per ounce 75 cents, pound \$9.00.

Viminalis (Manna Gum). A hardy, rapid-growing variety, and well suited for exposed situations. On rich soils it grows to a gigantic size. It is mostly planted for forest cover, wind breaks and for shingles and rough building material; also used for fuel. The young bark and leaves yield the Australian Manna—a hard, opaque, sweet substance. Height 300 ft. Per ounce 75 cents, pound \$7.50.

PALM SEEDS

PHOENIX CANARIENSIS

Palms are among the finest and handsomest of all plants. In a young state they do not show their distinctive characters.

ARECA. A genus of elegant pinnate-leaved Palms, which are widely distributed over the earth.

Lutescens (Chrysalinocarpus). An extremely beautiful plant with arching pinnate leaves; will not stand frost. A native of the Mascarene Islands; 10 seeds 25 cents, 100 seeds \$2.00.

CHAMAEROPS. The various species of Chamaerops are found scattered through southern Asia, northern Africa, semitropical North America and the South of Europe. Leaves fan-shaped; fruit a one-seeded berry.

Canariensis. A handsome palm worthy of cultivation, either for lawn or for pot culture; 10 seeds 15 cents, 100 seeds \$1.00.

Excelsa (Hardy Fan Palm). This palm grows to the height of from 20 to 30 ft.; leaves fan-shaped; trunk enclosed by a dense mass of rough fibers. Native of the East Indies. Ounce 15 cents, pound \$1.50.

Humilis (Dwarf Fan Palm). An extremely handsome plant. Very fine and well worthy of cultivation. Native of southern Europe. Ounce 20 cents, pound \$2.00.

ERYTHEA ARMATA (Brahea glauca) Blue Palm. Elegant Fan Palm, from the islands of Lower California. Leaves glaucous blue. Hardy; 10 seeds 25 cents, 100 seeds \$2.00.

Edulis (Brahea edulis). A rapid-growing variety from the Guadalupe Islands. Fan-shaped leaves, bright green. Hardy; 10 seeds 15 cents, 100 seeds \$1.00.

PHOENIX CANARIENSIS. An elegant, hardy variety of the Date Palm, much used around Los Angeles on lawns. Handsome and durable; 10 seeds 10 cents, 100 seeds 50 cts.

Dactylifera. The Date Palm; is an erect, handsome palm. Native of northern Africa and tropical Asia, where the palm attains a height of 80 ft. Lives to a great age, and yields the date fruit of commerce. Hardy; ounce 20 cents, pound \$1.50.

Reclinata. A very fine, large-growing species; leaves pinnate. Largely used in Nice, Cannes, and in the south of France for avenues; will stand severe frosts. A native of the Cape of Good Hope. Hardy; 10 seeds 15 cents, 100 seeds \$1.00.

Rupicola. This is one of the most exquisitely graceful palms, and in elegance takes a similar place to that of Cocos Weddelliana. It is of acaulescent habit, with wide-spreading, arching, pinnate leaves; a most valuable acquisition. Native of East Indies. Hardy; 10 seeds 20 cents, 100 seeds \$2.00.

Tenuis. This is a very hardy, elegant and desirable variety of Date Palm, with long, bright sea-green leaves; much used for lawn planting; 10 seeds 15 cents, 100 seeds \$1.00.

SEAPORTHIA ELEGANS. One of the most elegant of the palm family, and one of the finest subjects in cultivation for the conservatory, greenhouse or sub-tropical garden. Height 20 ft. Leaves from 2 to 10 feet in length; dark green. It stands quite a low temperature. Native of New South Wales; 10 seeds 15 cents, 100 seeds \$1.00.

WASHINGTONIA FILIFERA. The well-known California Fan Palm, also known as Pritchardia filamentosa and Brahea filamentosa; very hardy. Ounce 10 cents, pound \$1.00.

Robusta. A robust Fan Palm, similar to W. filifera, but with smoother and darker green leaves without threads. Ounce 25 cents, pound \$2.50.

DECORATIVE PLANT SEEDS

AGAVE. Six fine varieties, viz., American fol. var. Densiflora, Deserti, Heteracantha, Univittata and Verchaffelti. Each, packet 15 cents. The collection of six varieties for 75 cents.

DRACAENA AUSTRALIS (Cordylina indivisa). Palm-like tree growing to a considerable height; stem is stout; leaves 2 to 3 feet in length, oblong, lanceolate, bright green; splendid for avenues. New Zealand. Packet 15 cts., ounce 75 cts.

Draco. Yields the dragon's blood resin of commerce. The stem of this species is stout at the base; leaves closely set, 18 inches in length and 2 broad; thick, fleshy dark green. Canary Islands. 10 seeds 10c, 100 seeds 75c, 1,000 seeds \$5.00.

Indivisa (Cordylina indivisa). Sometimes called Dracaena stricta. A most graceful palm-like tree, suitable for decoration. New Zealand. Ounce 35 cents, pound \$3.50.

MUSA ENSETE (Abyssinian Banana). Native of Abyssinia. This magnificent plant attains a height of 30 feet, the leaves occasionally reaching a size of 20 feet in length by 3 in breadth. Produces no suckers and requires several years to come into flower; dies off like the Sago Palm, the Caryota Palm, and others which flower but once. 10 seeds 15 cents, 100 seeds \$1.00.

YUCCA. Six fine varieties, viz., Aloefolia fol. var., Augustifolia, Filamentosa Quadricolor, Tricolor and Whipplei. Each, packet 15 cents, the collection of six varieties for 75 cents.

Quadricolor. A large and magnificent kind. The upper surface creamy yellow, in the center tinged with crimson and orange-yellow. Mexico; hardy; 100 seeds 25c, 1,000 seeds \$2.

FRUIT TREE SEEDS

APPLE, PEAR and QUINCE. The seeds may be planted any time during the winter or early spring. Soak the seeds in tepid water for three days, change the water daily or soak in cold water for eight or nine days. Sow in drills 2 feet apart.

CHERRY, PLUM, PEACH, ALMOND, etc. Follow the cultural directions for the walnut, so far as germinating the seed is concerned. Should the quantity be small, however, the pits may be placed in layers in boxes on the ground in a sunny exposure. Sprinkle over each layer a coating of sand. Layers may be four to six deep. Keep constantly moist. When young plants appear above ground, carefully remove, and plant in nursery rows 3 feet apart.

WALNUT. Plant in beds, during the winter or spring, covering about 1 inch deep, and kept moist, but not until they germinate, which will be in about three or four weeks, according to the temperature. As soon as they crack and show the sprout transplant to the nursery rows, $4\frac{1}{2}$ to 5 feet apart and 6 inches apart in the row. They will grow the first year without irrigation, 6 to 12 inches, and with irrigation, 8 inches to 4 feet; the second year, from 4 to 8 feet, with irrigation. If ordered by mail, add 10 cents per pound to cover postage. Prices subject to fluctuation. Quotations for large quantities will be given on application.

AHUACATE or ALLIGATOR Pear, see page 72.
ALMOND, HARD-SHELLED (Prunus amygdalus communis). Pound 25 cents, 100 pounds, market price.

APPLE (Pyrus Malus). Useful for grafting. Ounce 15c, pound \$1.

APPLE, FRENCH CRAB. Superior stock. Ounce 15c, pound \$1.50.

APRICOT (Prunus Armeniaca). Price on application.

CHERRY MEHELEB (Cerasus communis). Ounce 10c pound 75c.

LOQUAT (Eriobotrya Japonica). Seed supplied in season.

Procurable only in spring. Ounce 10 cents, pound 60 cents.

ORANGE SEED FRESH. See page 71.

PEACH SEEDING (Prunus amygdalus Persica). Price on application.

PEAR (Pyrus communis). Ounce 25 cents, pound \$2.50.

PLUM, MYROBOLAN (Prunus communis). A splendid stock to graft on. Ounce 10 cents, pound 75 cents.

QUINCE (Cydonia communis). Quinces occasionally vary from the seed variety. The stock is much used for budding and grafting the pear. Ounce 25 cents, pound \$2.50.

ROSELLE. The plants grow from 3 to 6 feet high and bear an abundance of handsome flowers, followed by fruit enclosed in a thick, fleshy calyx from which is made an excellent jelly resembling, but an improvement upon that made by the black currant; 10 seeds a packet, 50 cents per ounce.

WALNUT, SOFT SHELLED (Juglans regia). A superior variety. Pound 30 cents, 100 pounds on application. Postage 10 cents

SMALL FRUIT SEEDS

CURRENT, BLACK. Pkt. 10 cents, oz. 50 cents.

Red. Pkt. 10 cents, oz. 40 cents.

Large Mixed. Pkt. 10 cents, oz. 40 cents.

GOOSEBERRY. Large English Mixed. Pkt. 10 cts., oz. 75 cts.

GUAVA, STRAWBERRY (Psidium Cattleianum). Sow in boxes and transplant when 2 inches high to pots. Pkt. 10 cents, oz. 30 cents, pound \$3.00.

RASPBERRY, FINEST SORTS MIXED. Pkt. 10 cts., oz. 40 cts.

STRAWBERRY, LARGE MIXED. Pkt. 10 cents, oz. 75 cents.

Red Alpine. European wild strawberry. Pkt. 10 cts, oz. 75 cts.

CHOICE *Germain's* PLANTS

VIEW IN ONE OF OUR GREENHOUSES

NURSERY DEPARTMENT

Our main tree and plant salesyard is situated in the center of the square formed by Third, Fourth, Main and Los Angeles Streets. Entrance to yard through our seed store at 326-328-330 So. Main Street. Branch sales yard at the S. W. corner of Tenth and Hope Streets (address all communications to 326-328-330 So. Main Street). We cordially invite customers to inspect our stock.

All Nursery Stock shipped by us is accompanied by a certificate of health, issued and signed by an Inspector of the Horticultural Commission. This insures shipments to consist of nothing but healthy stock, free and clear of all scale, insect pests, etc. Orders for Winter and Spring shipments should be placed as early as possible. Three-fourths of the nursery business is done at that time of the year, and when our busy season starts, we are rushed with orders. All orders are filled in rotation as received.

GARDENERS RECOMMENDED. We are pleased to recommend suitable men as gardeners on application, without any expense whatever. Gardeners desiring situations are advised to communicate with us, giving full particulars and recommendations. Their names will be entered on our books, and they will be advised as soon as a suitable vacancy occurs.

GUARANTEE. We do not guarantee stock to live, nor will we replace free of cost that which dies or fails to grow; nor can we, in view of the various incidents that the stock is subject to, as the success or failure depends largely upon climatic conditions, manner of planting, after care, etc. We do guarantee, however, that our stock will be in a good, live and healthy condition upon departure from our nurseries.

SUBSTITUTION. Where particular varieties are ordered and particular ages and sizes of trees, kinds of stock, etc., it should be stated whether and to what extent substitution will be allowed in case the order cannot be filled to the letter. Where no instructions in this respect accompany the order, we shall feel at liberty to substitute other varieties as nearly similar as possible. If the selection of varieties is left entirely to us, we shall endeavor to send only such sorts as are acknowledged to give general satisfaction.

AS USUAL, five of any one certain variety, will be furnished at 10 rates; 50 at 100 rates; 500 at 1,000 rates.

CLAIMS. Should any errors occur we desire to be informed upon receipt of goods, that we may rectify them without delay. All claims must be filed within ten days after the arrival of shipments. No plants sent C. O. D. unless one-half of the amount is sent with the order.

GENERAL SPECIAL. Express shipments of Nursery Stock travel under what is known as the "General Special" Rate, which is 20 per cent less than the first-class rate. We would advise having small shipments go by express, for while the cost is somewhat more than by freight, the difference is often more than made up by the prompt delivery and careful handling. Small packages, under four pounds in weight may be sent by mail or express (if prepaid) at 8 cents per pound, which usually averages 20 per cent of the purchase price.

CAUTION. Be careful in unpacking to note everything, and either plant, or cover up with moist soil at once. Moisten the roots, and do not allow them to become dry.

TREATMENT BEFORE PLANTING. Before planting, prune off all broken and extra long roots. Peach, Plum, Apricots, etc., should have side limbs and top cut back to at least half the length.

PLANTING. Dig holes large enough to allow the roots of the tree to spread out in their natural position, carefully placing the finest and best soil from the surface in among the roots; when the soil is nearly filled in, thoroughly settle the earth by filling the hole with water; after it settles, fill in the remainder of earth. In moist soils, the use of water to settle the earth is much better than treading the soil with the foot.

AFTER CULTURE. The ground should be kept loose and free from weeds. It is advantageous in a dry climate, like ours, to throw around the tree, for a distance of two or three feet each way, a mulch of rough manure or litter. It prevents the ground from drying out and baking.

PACKING CHARGES. We make no charges for packing on retail orders, except on long distance shipments, or when plants or trees have to be specially packed. In such cases, we charge for the actual cost only.

PLANT AND SEED ORDERS should be kept separate, as during our rush season we may run short of some varieties of plants or trees and this sometimes causes a slight delay in receiving consignments from our various growing grounds. The rush of business is terrific during the winter and spring in the Nursery Department and orders cannot always be shipped at once. With our present facilities we hope to have but few delays in filling orders, but in cases where the nursery stock cannot be shipped at once, the seed orders will be shipped at once, and balance of order to follow when ready.

CHOICE *Germain's* PLANTS

VEGETABLE PLANTS AND ROOTS

ARTICHOKE. Green Globe, French Stock, \$3.00 dozen.
ASPARAGUS, CONOVER'S COLOSSAL. A mammoth variety of vigorous growth, sending up from fifteen to twenty sprouts. One and two years old roots; 25c per doz., \$1.50 per 100, \$10.00 per 1000.

ASPARAGUS PALMETTO. Fine two year old roots of this best variety. 25c per doz., \$1.50 per 100; \$10 per 1000.

CABBAGE PLANTS. Early Winnigstadt and Premium Flat Dutch; 10c per dozen, 50c per 100, \$1.00 per 1000.

CAULIFLOWER PLANTS. Snowball—the best variety of Cauliflower; 15c per doz., \$1.00 per 100, \$6.00 per 1000.

CHIVES, OR SCHNITTLAUCH. For flavoring soups, salads, etc.; 15c per clump, \$1.50 per doz.

EGGPLANTS. New York Improved large, round, purple; grown in pots, 75c per doz.

HOP VINE ROOTS. 5c each, 60c per doz., \$3.50 per 100.

HORSERADISH SETS. Thrive best in low, damp land. Plant in rows two feet apart, and in the rows eighteen inches apart; 15c per doz., \$1.00 per 100.

MINT (Spearment). Fine young plants from three inch pots; 15c each, \$1.50 per doz.

PEPPER PLANTS. Chili, Large Bell or Bull Nose, Sweet Mountain, etc., 20c per doz., \$1.25 per 100.

BURBANK'S WINTER CRIMSON RHUBARB ROOTS. Introduced by Luther Burbank in 1900 and has proved the greatest production of all vegetables, as it matures during the winter when vegetables are scarce. The Winter Crimson will produce marketable stalks six months earlier than any other sort. It starts to grow in October, and produces all through winter and spring until the summer varieties are on the market. The quality is excellent, equal to the finest berries for pies and sauce. The skin is so tender it is not necessary to remove it. The flavor combines that of the raspberry and strawberry. There isn't any vegetable so profitable for market purposes, as it can be shipped east, being a rarity, and, of course, will demand a good price. Up to the present time the home trade has not been fully supplied. Price 10c, 15c and 25c each or \$1.00, \$1.50 and \$2.50 per doz.

Monarch and Victoria. Summer variety, large stalks; 15c and 25c ea., \$1.50 and \$2.50 per doz.

Strawberry Improved or Lorenzo. Being adapted to coast sections and grown extensively in Southern California. Size, medium; tender. Pale crimson color. Delicious flavor; 15c and 25c ea., \$1.50 and \$2.50 per doz.

Wagner's Giant Crimson Winter (New). Introduced by J. B. Wagner. A hybrid, being a cross on the common Winter Crimson and the Australian Crimson, thereby producing a true winter variety of enormous size, stems often weighing one and a quarter pounds, being about twice the size and containing all the good qualities of Burbank's Crimson Winter, but not so red in color. Average length of stem is about two feet. This special variety must not be confused with Wagner's Giant Seedling listed below. Grows vigorously throughout the year, but is at its best from October to May. Price for root divisions 75c ea., \$7.50 per doz., \$50.00 per 100.

Wagner's Giant Seedling. Grown from seed of the Giant Crimson Winter. Produces stems of various sizes and lengths. However, larger than the common Winter Crimson; 25c and 35c ea., or \$2.50 and \$3.50 per doz.

Postage—When ordered to be sent by mail, remit, in addition to price: for asparagus roots, 50 cents per 100; cabbage, cauliflower, sweet potato, tomato plants, pepper and horseradish roots, 5 cents per dozen, 35 cents per 100; rhubarb roots, 5 cents each; eggplants, 15 cents per dozen; hopvine roots, 2 cents each; chives, 3 cents per clump.

WAGNERS GIANT RHUBARB AND ROOT

SWEET POTATO PLANTS. Yellow Nansemond and Large White, 50c per 100, \$4.00 per 1000. Ready in March.

TOMATO PLANTS. Earliana, New Stone, Ponderosa, Beefsteak; 15c per doz., \$1.00 per 100, \$7.00 per 1000.

CALIFORNIA LANDS

Are on the increase. The prices of tomorrow will compare with those of today as today's prices compare with the values of 1900. We offer you a splendid opportunity to take advantage of today's prices with as little as ten dollars.

Be sure you read and digest what we offer you on

PAGE ONE

BURBANK'S SPINELESS CACTUS

For hundreds of years the thorny cactus growing in the desert has furnished food for both man and beast, but being difficult to handle and dangerous to feed, it frequently caused death, especially to stock. Those who have fed the wild cactus have often seen the stock with blood dripping from their mouths. The throat and tongue become inflamed and cause untold agony. For many years there has been a "thornless" cactus on the market and it is growing extensively throughout Mexico, but this is also dangerous to feed, for, while there are no thorns, there are under the skin, in the eyes of the plant, thousands little "spines" which can hardly be seen with the naked eye, but are almost as painful as the thorns.

Sixteen years ago, Luther Burbank, sometimes called the "Wizard of Horticulture," knowing its wonderful food value,

began experimenting with the cactus. Thus rapid growing varieties which are absolutely spineless have been introduced. The spineless cactus will produce many times as much weight of food to the acre as the thorny kind, and withstands both heat and drouth.

Many planters have been deceived by buying "thornless" cactus, thinking they were getting the "Burbank Spineless."

We are the distributors in this territory for Luther Burbank, and to avoid disappointment and inconvenience, send us your orders and we will have the cuttings shipped direct to you from Burbank's Experimental Farm.

Write us for Booklet on Spineless Cactus, by Luther Burbank, which will give all the information needed as to its wonderful value. Price 10 cents each.

CHOICE *Germain's* PLANTS

CITRUS FRUIT TREES

Write for special prices on large lots.

California is justly famous the world over for her fruits. The ideal climate, soil and long growing season, give us the best, strongest, healthiest and most perfect young trees that grow. More especially does this apply to citrus fruit trees of all kinds. Germain's reputation as a house of quality, first, last and all the time is your strongest guarantee that your orders will be filled with only the best grade of stock. The young trees have a ball of earth around the roots and weigh approximately thirty-five to forty pounds each. For long distance shipments via express, if a customer so specifies in order, we will remove the dirt from the roots, strip the tree of foliage, and pack the root in moss. This method cuts down the weight to a minimum. Care should be taken not to expose the roots to the air longer than necessary. Citrus trees, being evergreen, can be shipped and planted at any season of the year.

YOUNG CALIFORNIA ORANGE GROVE

ORANGE SEED BED STOCK

Germain's is headquarters for and the largest grower of orange seed bed stock (seedling orange trees), both sour and sweet stock, in California. As climatic conditions are so vital in the growing of young citrus trees, we cannot possibly name a fixed price for this stock. We will be pleased to quote at any time and on any quantity for spring delivery. Our stock is the best, cleanest and truest stock that can be bought. Let us quote you

ORANGES

KUMQUOT (The Kin-Kan of Japan), meaning Gold Orange. Fruit very small, olive-shaped, the rind is orange yellow and has a pleasant aroma; used by the orientals for preserving. The tree is dwarf and ornamental. May to July; \$2.50 each.

TANGERINE (Dancey's). The standard variety, ripens at the same time as the navels; pulp is sweet and separates freely from the rind. Best of the Mandarin family. March; \$2.50 each.

VALENCIA LATE. A late and prolific bearer, fruit medium size, oval, solid and heavy; flesh exceedingly juicy and sweet. The other of the two most profitable and world famous oranges. Fruit medium size, very few seeds, sub-acid flavor; ripens late and keeps well on the tree throughout the summer. Season from June to September. The best late orange; \$1.50 and \$2.00.

WASHINGTON NAVAL. One of the two most profitable oranges grown. World famous. Derives its name from the formation on the blossom end. A regular bearer of large, luscious fruit of the most delicious flavor. Fine shipper, ripens early. Season from November to May. The best early orange; \$1.50 and \$2.00.

ORANGE SEED

SOUR ORANGE SEED. Germain's has, for years, been California's largest importer and headquarters for sour orange seed. Our stock is the best money can buy, being selected by experts from the best stock grown in Cuba and Florida. The demand is always greater than the supply, and we cannot, therefore, urge you too strongly to place your order at the earliest possible moment. Prices are subject to market fluctuations. Write us immediately for quotations and further information.

SWEET ORANGE SEED. We can supply quantity lots of the best sweet orange seed. Write us for quotations.

LEMONS

EUREKA. The celebrated California Lemon and the favorite shipping commercial variety. Undoubtedly the best of all Lemons. Medium size fruit, having few seeds; heavy, juicy and well flavored. A good keeper, tree thornless and a most prolific bearer. The variety most largely grown in California. \$1.50 and \$2.00 each.

LIMES

Bearss Seedless Limes.

BEARSS SEEDLESS LIME.—The best lime grown. Large, being about the size of ordinary lemons. More juicy and thinner skin than any Mexican variety. Perfectly seedless. Only a limited supply of nice straight two year old trees, at \$2.50 each.

POMELO or GRAPE FRUIT

MARSH'S SEEDLESS. The best and most popular variety of the Pomelo. Seedless and sweet; can be eaten without sugar when fully matured. Medium size, rind thin, flesh dark and rich; an early and prolific bearer and a late keeper. \$2.00 and \$2.25 each.

CHOICE *Germain's* PLANTS

TROPICAL FRUIT TREES

AHUACATE

Avocado, Alligator Pear

The Ahuacate, while usually called a tropical fruit, is not confined to the tropics, but is also found in the frosty districts and high levels of Mexico. As the Ahuacate has not been given sufficient tests in the colder localities and we cannot recommend varieties for these districts, we list only those varieties which are suited to the weather conditions under which citrus fruits are grown. Tests have shown, however, that the Ahuacate will stand more frost than orange trees.

The Ahuacate serves the double purpose of a valuable fruit and vegetable, as it can be prepared in so many ways that it takes the place of other vegetable products. Its mellow, buttery flavor appeals to every palate. It is a fine substitute for meat, being a food of the highest nutrition. The Mexicans have a very pretty custom in eating this fruit, viz: They halve the fruit and take out the seed; thus each half forms a cup, which is filled with a salad dressing. This enables the dressing to thoroughly permeate the meat and makes very delicious eating. It can also be served as a breakfast food, a fruit salad, a vegetable salad. An excellent refreshment at any time, and is always served in a raw state.

The Ahuacate, aside from its productiveness, is equally as well classed as an ornamental evergreen. A tree, properly pruned and taken care of, will form one of the most beautiful trees—an ornament to any yard, where its waxy, oblong leaves and yellowish green foliages will make a fine showing.

Seeds. We can supply Mexican Ahuacate seeds at \$.75 per dozen, \$4.00 per 100. Write us for quantity prices.

SEEDLING AHUACATES

We can supply seedling trees at the following prices: 18 inch 50 cents each; 2 feet 75 cents each; 3 feet, \$1.00 each; or, in quantities of 100 at \$35.00, \$50.00 and \$75.00 respectively.

BUDED TREES

We can supply budded trees in the following varieties:

BLAKE. Pyriform, bottle necked; length $3\frac{1}{2}$ to 4 inches, diameter $1\frac{1}{4}$ to $2\frac{1}{4}$ inches; smooth surface, color light green, thin skin; flesh creamy yellow, texture smooth and buttery, with rich oily flavor of good quality; medium sized seed. This variety is believed to be related to the Fowler, the real difference being the shape. Season, September to October. Price \$4.00, \$5.00 and \$7.50 each.

EELLS (Northrop). This variety is pear shape, of medium size, deep purple color, flesh is firm, of a yellowish hue, and has a rich, nutty flavor of the highest quality. The tree bears two crops a year, one in the spring and one in the fall. Price, \$3.50 and \$4.00.

FOWLER. Similar to the Ganter. Oval tree, very hardy and vigorous, with round, upright top and healthy foliage, making it a beautiful ornamental tree; bearing the very richest and most buttery fruit, excellent in flavor and quality. Thin skin, fleshy yellow. A Mexican variety. Length $4\frac{1}{2}$ inches; diameter $3\frac{1}{4}$ inches, with medium size seed, making it a favorite among the larger varieties. Original tree at Pasadena. Fruiting season July to October. We are growing quite a number of this variety, which we can supply at \$4.00 and \$5.00 each.

GANTER. Color light green, thin skin; flesh yellowish cream, changing to pale green near the skin; rich, nutty flavor; large seed. Form oval to oblong; length $2\frac{1}{2}$ to 4 inches; diameter $1\frac{1}{4}$ to $2\frac{3}{4}$ inches. \$4.00, \$5.00 and \$7.50 each.

Original tree at Whittier, California. Fruits October to December. Price, 2 to 3 feet, \$5.00; 3 to 4 feet, \$10.00; 5 feet and up, \$12.00 and \$15.00 each.

HARMAN. Form oval, large fruit, length 3 to $4\frac{1}{2}$ inches, diameter 2 to $3\frac{1}{2}$ inches. Smooth, glossy, light green color, changing to reddish purple, with numerous large, irregular, yellowish dots. Flesh greenish yellow, very buttery, very little fibre. Flavor very rich and nutty. Large seed. Fruiting season, October to November. From original tree at Sherman, California. Price, \$5.00 and \$7.50 each.

MESERVE. Nearly round, easy to pack and ship; skin green and thick enough to stand shipping. Weight about 1 pound. Seed tight in cavity. Flavor rich and buttery. Hardy and prolific. Fine near the coast. Fruiting April and May. Price \$5.00 each.

MURRIETA. A smooth, large, round, dark green fruit. Weight from 16 to 24 ounces. The only large, hard-skinned, fall-fruited variety of local origin that we know of. Flesh creamy yellow, dark green next to skin. Fine oily flavor. A good shipping variety. Fruiting season September and October. Price, \$5.00 each.

SKINNER. This variety is very hardy; the parent tree is growing in a cold location and does not freeze. The fruit is same color as Eells, dark purple, but not quite as large nor as highly flavored. Price, \$3.50 and \$5.00 each.

TAFT. A fine pear shaped fruit, weighing 14 to 20 ounces. Skin green, smooth, thick and tough, a good shipper. Flesh light yellow, smooth texture, good flavor. Seed medium size, tight in cavity. Season, May, June and July. Price \$5.00 and \$7.50 each.

GERMAIN'S
SEEDS
GERMINATE

FOWLER AHUACATE

CHERIMOYA

Anona Cherimolia or Custard Apple

Another excellent tropical fruit which has been classed as one of the finest fruits in the world. It is not a new introduction, but has been growing in California for many years—a native of Central America.

A handsome tree, with broad, velvety green leaves; sometimes deciduous for a short period during the winter months. Is suitable for citrus localities. The fruit is heart shaped, or oval, greenish brown in color, about the size of navel orange, skin is usually covered with small, conical protuberances. Flesh white, melting, custard-like pulp, with flavor similar to the pineapple, and is liked by all. Ripens during spring months. Price \$.75 and \$1.00 each.

FEIJOA SELLOWIANA

or

The Pineapple Guava

Resembling in growth and character the common guavas, being also of the Myrtle family. Grows to a height of 8 to 10 feet; often used as a hedge, as it is very ornamental. Fruit the size and shape of a hen's egg, green in color, with sometimes a crimson cheek; granular flesh, becoming white as it nears the seed, with a most delicious flavor, combining the pineapple, raspberry and banana. Seeds are small, almost unnoticeable when eating the fruit, being no larger than strawberry seed. Commonly eaten out of hand, but can be cooked in many ways. Fine for jams and jellies. A good keeper and shipper. Easily cultivated, requiring very little water after becoming established. However, frequent irrigations during dry season greatly encourage growth.

The Feijoa was introduced from France. It has proven very hardy in California, and is known to stand a temperature as low as 12 degrees above zero. Everyone should have at least a few Feijoa shrubs in the garden. Ripens from November to January. Price, 75 cents, \$1.00 and \$1.50 each.

GUAVA

STRAWBERRY. A shrub or small tree of bushy growth. Very heavy bearer, producing fruit of a strawberry flavor the size of a small plum. Fruit round, deep red; very fine for table, preserves or jellies. Every home should have a few of these valuable plants in the garden; 25 cents, 35 cents and 50 cents each.

YELLOW STRAWBERRY. Similar to Strawberry Guava. Excellent for preserves; 35 and 50 cents each.

CHOICE *Germain's* PLANTS

DECIDUOUS FRUIT TREES

NOTE—Deciduous Fruit and Nut Trees comprise all fruit trees that drop their leaves early in the winter and remain in a dormant condition until the sap starts running again in the spring. Shipping and planting season starts the first part of January, and ends generally the middle of April, according to the earliness or lateness of the season. Customers desiring early shipment should place their order early, as all orders are filled in rotation as received. The above is also true of all Grape Vines.

DWARF FRUIT TREES

Price 50 cents each

For the benefit of those living on small lots, with limited space, and wishing an assortment of fruit, we are offering below a few varieties. They can be planted eight to ten feet apart, and are as prolific as the standards, bearing the same kind of fruit, but, of course, not yielding so much fruit per tree. Commercial planters in the East and North are using them as "fillers" between other nut and fruit trees.

APPLES. Rome Beauty, Jonathan, Red Astrachan, White Winter Pearmain, Rhode Island Greening, Yellow Bellefleur, Gravenstein, White Banana.

PEARS. Bartlett, Winter Bartlett and Winter Nells.

PLUMS.

PRUNES.

APPLES, WINTER VARIETIES

Prices 35 cents each, \$3.25 per 10.

BALDWIN APPLE

BALDWIN. Very productive, large, round, deep bright red, juicy, crisp, subacid, of fine flavor. A great market variety. One of the most popular winter apples. November to February.

MISSOURI PIPPIN (Stone's Eureka). Admirably adapted to Southern California; large, round, yellow, striped with red. Flesh white and moderately juicy. A very good bearer. Fine for market. November to April.

ROME BEAUTY. Large and roundish, yellow shaded and striped with bright red. Flesh yellowish, juicy and sprightly. Good late keeper. One of the very best varieties for the mountain valleys of Southern California. November to February.

WHITE WINTER PEARMAIN. One of the universal favorite and extensively grown apples in California. A big commercial variety. Flesh yellowish, crisp, tender and juicy, with an elegant subacid flavor. A strong and healthy grower. Succeeds well in all parts of the State. November to January.

WINESAP. Medium size, roundish oblong. Color of skin, dark red. Flesh yellow, crisp and rich flavor. A good bearer and largely grown. An excellent table variety and one of the best for cider. November to February.

YELLOW BELLEFLEUR. Particularly adapted to California and one of the best commercial varieties. Very large, oblong, lemon color; flesh firm, tender, juicy and crisp. Good keeper. Tree strong and healthy grower. October to January.

YELLOW NEWTOWN PIPPIN. Considered one of the best winter apples in California. Large golden yellow. Flesh firm and crisp, with a very rich high flavor. January to May.

APPLES, SUMMER VARIETIES

Prices 35 cents each, \$3.25 per 10.

EARLY HARVEST. Medium size, roundish, light yellow, flesh very white, tender and crisp. Fine for table and cooking. Early June.

RED JUNE. Early, oblong in shape, medium size, deep red color. One of the best table varieties. June to July.

RED ASTRACHAN. One of the best commercial varieties. An early bearer: tree vigorous and hardy, flesh white, crisp and juicy, with a pleasant acid flavor. July.

YELLOW BELLEFLEUR APPLE

APPLES, FALL VARIETIES

Prices 35 cents each, \$3.25 per 10.

FALL PIPPIN. Very large, roundish, a little flattened, skin yellowish green, flesh white, tender and mellow. A heavy bearer and one of the best fall apples. September.

GRAVESTON. Tree a vigorous grower, fruit large, skin yellow splashed with red and orange, flesh tender, crisp and highly flavored, a strong growing and heavy bearing tree. A standard fall apple in this State. August.

WINTER BANANA. A comparatively new variety. Fruit large and well formed, yellow shaded with red. Flesh yellow with a rich aromatic sub-acid flavor of the best quality. Heavy bearer. September.

RHODE ISLAND GREENING. Large and round. A fine apple for table cooking. Flesh yellow, fine grained, tender, crisp, juicy, slightly acid. A healthy and very popular tree. October and November.

JONATHAN. Medium size, conical. Skin light yellow, with red stripes, and deep red in the sun. Flesh tender, juicy and rich. One of the best apples for Southern California, including the Mountain Valleys and Plateaus. October to December.

APPLES, CRAB

Prices 35 cents each, \$3.25 per 10

The crab bears when quite young and generally bears heavily every season. They seem to succeed equally well in cold or hot climates, and the value of their fruit for cooking, jelly and cider is recognized to the extent that the demand for them in the market exceeds the supply.

YELLOW SIBERIAN. Large, fine golden yellow.

RED SIBERIAN. Fruit small, fine flavor.

TRANSCENDENT. Fruit large, crisp and juicy. Skin yellow striped red. Tree very productive. Considered the best of the crabs, especially fine for preserves and jellies.

APRICOTS

Prices 50 cents each, \$4.50 per 10

BLLENHEIM. Large, oval, orange with a deep yellow, juicy and fairly rich flesh. Ripens a little later than the Royal.

HEMSKIRKE. Large, slightly flat on the sides, strongly resembles the Moorpark, but ripens earlier, and is a more regular bearer. Flesh bright orange, tender and juicy. Late June.

MOORPARK. Large, greenish yellow, shading to red on sunny side and somewhat dotted. Fruit of highest quality and excellent flavor. Ripens in late August.

NEW CASTLE. Medium size, round, best early variety, ripening from two to three weeks earlier than Royal.

PEACH. Fruit large, flattened on sides, skin yellow, flesh juicy and of rich flavor. Fine for drying.

ROYAL. More extensively planted than any other variety: fine for canning and drying. The leading California Apricot. Large size, free stone, fine color and flavor. Good bearer. Fruit large and roundish. Skin yellow, slightly tinged with red. Flesh pale orange, firm and juicy, with a rich vinous flavor. Early June.

CHOICE *German's* PLANTS

DECIDUOUS FRUIT TREES (Continued)

CHERRIES

Prices 35 cents each, \$3.25 per 10

Cherries bear better when associated with another variety, causing cross-fertilization.

BLACK TARTARIAN. Fruit of the largest size, bright purplish black. Flesh purplish, juicy, of a very rich flavor. Tree a very vigorous, erect and splendid grower; an immense producer. The best of the black cherries.

EARLY RICHMOND. An old favorite; color red, subacid flavor, early, hardy, healthy and productive.

NAPOLÉON BIGARREAU (Royal Ann). A splendid cherry of the largest size, pale yellow, spotted with red, bright red cheek. Flesh very firm, juicy and sweet. Tree a free grower and an enormous bearer. Will bear better if planted with Black Tartarian, which will act as cross-pollinizers.

FIGS

3 to 4 foot trees, 50 cents each, \$4.50 per 10. Kadota 50 and 75 cents each.

BLACK MISSION (California). The oldest Fig in California and one of the best for home use. Tree a strong grower, skin rough, deep mahogany violet, tinged with red. Flesh sweet.

BLACK SPANISH. Largest of all, skin smooth, violet black green neck; pulp red, coppery, tinged with violet. Fine for table.

BROWN ISCHIA (Brown Turkey). A very large, brown Fig. Probably the earliest large brown grown. Color, violet brown. One of the best market Figs, bringing heavy returns.

CALIMYRNA (Smyrna). The genuine fig of commerce of Asia-Minor. Large size, skin lemon yellow, pulp reddish amber. The flavor and quality of this Fig are unsurpassed. It is necessary to cross the variety with the wild or Capri Fig, which produce the Fig wasp necessary to carry the pollen and fertilize the Calimyrna, otherwise the fruit will drop before maturity. The fig wasp can be secured from almost any fig grower, and if placed in an orchard of any size, after the Capri Fig is large enough to produce pollen for it, it will thrive through a winter and will not need replenishing. But if there are only one or two trees, the wasp will starve for want of pollen, and in this case anew one will have to be secured each season.

CAPRI. The wild Fig which must be grown in connection, and associated with the Calimyrna (Smyrna) Fig, the ratio being two Capri trees to one acre of Smyrnas.

KADOTA. A white fig of medium size. Prolific bearer. Trees bear when very young. Price special as above.

WHITE PACIFIC. Greenish yellow skin; a regular, heavy bearer. Fruit is medium size to large, with very sweet meat, fine for eating out of hand.

WHITE SMYRNA. A compact grower of spreading habit. Thin skinned, greyish green in color, and a splendid table fig.

NECTARINES

Prices 35 cents each, \$3.25 per 10

BOSTON. Tree hardy and productive; fruit large and handsome, bright yellow, with deep red cheek; flesh yellow and sweet, with pleasant flavor, freestone. A favorite in California.

HARDWICKE. Probably the best bearer, a favorite in Southern California. Fruit very large, skin pale green, with deep violet red cheek; flesh pale greenish and high flavored, freestone.

LORD NAPIER. Pronounced best in flavor at the Pomona Experiment Station. Recommended as a heavy and regular bearer. Large, pale cream color with dark red cheeks; flesh white, melting, tender and juicy, separating freely from stone.

NEW WHITE. One of the most popular varieties and more freely planted than all other Nectarines combined. Used largely for drying. Fruit large, skin white with slight traces of red; flesh white, tender, very juicy, rich flavor.

STANWICK. One of the leading varieties of Nectarines. Large size. Skin greenish white, shading to red on sunny side. Flesh white, tender and juicy, delicious flavor. Fine for drying and good shipper. Season, August and September.

PEACHES, WHITE FREESTONE VARIETIES

Prices 35 cents each, \$3.25 per 10

ALEXANDER. Most widely known as best early variety. Fruit medium to large, greenish white, nearly covered with deep red. Juicy and sweet. Early in June.

BRIGGS' RED MAY. Early, very popular; fruit medium to large; skin greenish white with red rich cheek; juicy and sweet. A standard early variety. Middle of June.

GEORGE IV. Medium to large fruit; tender and sweet, white with red cheek; flesh pale, juicy and rich. A very popular table variety. End of August.

STUMP THE WORLD. Large, strong, skin creamy white, with bright red cheek; flesh white, juicy and highly flavored. Recommended for family use by the Southern California Nurserymen's Association. August.

PEACHES, YELLOW FREESTONE VARIETIES

Prices 35 cents each, \$3.25 per 10

CRAWFORD EARLY. Very large, oblong, skin yellow, with fine red cheek; flesh yellow, rich and excellent; tree very healthy and productive, probably the most largely planted variety in California. Last of July.

CRAWFORD LATE. Very large, yellow with dark red cheek; flesh yellow, juicy and melting, flavor very rich. An old, popular and widely grown variety. August.

ELBERTA. Very large, a bright yellow with a beautiful mottled red cheek; flesh yellow, juicy, sweet, high flavored and a perfect freestone. Tree a strong grower, a healthy heavy bearer. One of the best paying varieties for the Southwest. July.

FOSTER (See Cut). Fruit large, yellow, red on cheek, early, rich and juicy; fine for canning or drying. Uniformly large; flesh yellow, very rich. Last of July.

LOVELL. This magnificent peach stands at the head of all other varieties and is a clear yellow, freestone. Its only rival is the Muir, which has very much the same resemblance. It dries heavier than any other variety, and is a good canner, a vigorous grower, heavy bearer and very productive. August.

MUIR. Fruit large to very large; perfect free-stone; flesh clear yellow, very dense, rich and sweet; pit small, a good bearer and strong grower. One of the most popular varieties for canning and especially adapted for drying. August.

SALWAY. Large, round, skin downy, creamy, rich, clear, crimson cheek; flesh deep yellow, red at the pit, juicy and sweet. A standard late peach. Tree very healthy. September.

SUSQUEHANNA. Large, skin rich yellow, nearly covered with red; flesh yellow, sweet, juicy, with rich flavor. Very widely distributed and popular. August.

PEACHES, CLINGSTONE VARIETIES

Prices 35 cents each, \$3.25 per 10

HENRIETTA CLING (Levy's Late). Latest of all clings and highly esteemed for canning and market. A magnificent Peach of large size, skin a deep yellow, flesh deep yellow, firm, sweet and juicy. September.

LEMON CLING. Fruit large, lemon shaped, red on sunny side; rather acid in flavor. One of the most popular of all the canning peaches. A heavy and regular bearer. August.

ORANGE CLING (Runyon's). Superior to the common Orange Cling, and not subject to mildew like the common sort. Fruit very large, yellow, with dark crimson cheek, rich, sugary and vinous flavor. July.

PHILLIP'S CLING. Preferred by canners to all other clings. Fine large yellow, no color at pit, which is very small, very rich and high colored, flesh of the finest texture. September.

TUSCAN CLING. A good shipping and canning Peach. Very desirable on account of its earliness. One of the most popular peaches among canners and always in heavy demand. July.

WHITE HEATH CLING. Very large, white with light shade of red; tender and sweet; good for canning. One of the best clings. Best adapted to interior regions. September.

FOSTER PEACH

CHOICE *German's* PLANTS

DECIDUOUS FRUIT TREES (Continued)

OLIVES

Size 3 to 4 ft. 75 cents; 4 to 6 ft. \$1.00 each

MANZANILLO. The finest Seville Olive, valuable for pickling and oil. Fruit is very large, of a deep black color. Makes fine green and ripe pickles of the very best quality and produces oil of highest grade. Prolific bearer. Early October.

MISSION. A standard. Introduced from Spain many years ago. Fruit medium to large, makes an extra fine green or ripe pickle.

BARTLETT PEAR

PEARS, EARLY VARIETIES

Prices 50 cents each, \$4.50 per 10.

BARTLETT. The most famous and popular of all Pears, and the best for table, shipping, drying and canning. Fruit large, smooth, clear yellow; flesh white, fine grained, juicy and highly flavored. August.

MADLINE. The earliest, fruit medium pale yellow; flesh white, juicy and delicate. June and July.

SECKEL. Small but of superlative table excellence; color yellow russet with red cheek; flesh white, very juicy and melting, with a peculiar rich, spicy flavor and aroma. August to September, 3 to 4 feet size.

PEARS, WINTER VARIETIES

FLEMISH BEAUTY. Large pale yellow pear; flesh juicy and melting, prolific bearer and hardy. September and October.

WINTER BARTLETT. Fruit large, greatly resembling the famous Bartlett in shape, appearance and flavor, but a little coarser, ripening four months later. Flesh tender, juicy and melting and as good as can be desired. November.

WINTER NELIS. Medium, skin yellowish green, dotted with russet; flesh yellowish-white, fine grained, exceedingly juicy and sweet, a fine shipper and splendid keeper. Especially adapted to a warm dry climate. December.

LOQUAT

An evergreen tree attaining a height of fifteen to twenty feet, large glaucous leaves of a compact habit. Valuable as an ornamental, shade and fruit tree. The fruit is very desirable and popular; also makes a splendid jelly. One of the earliest fruits to ripen.

BUDDED TREES. Fine, \$1.75 to \$2.50 each.

SEEDLINGS. "Specimen plants," balled or in five gallon cans; \$1.00 to \$1.50 each.

JAPANESE PERSIMMONS

Large size 50 cents, medium size 35 cents

A valuable acquisition to our fruits. The trees are hardy and thrive where the thermometer does not drop below zero. Persimmons are becoming more popular each season, especially for winter fruit, and always realize a high figure on the market.

GOSHIO. Very large, round—somewhat flattened, three to three and a half inches in diameter. Average weight, ten ounces. Sometimes yields fruit sixteen ounces in weight. Flesh red. Fruit keeps well. Tree is very ornamental.

HACHIYA. Acknowledged best. Large. Skin orange-red; flesh yellow, soft and jellylike when ripe. Almost seedless.

HYAKUME. Very large; skin orange yellow; flesh dark brown, sweet, crisp, and meaty. Not astringent like the preceding one, but good while yet hard.

TANE-NASHI. One of the largest. Fruit almost spherical. Skin yellow, flesh yellow and seedless. The best of the light-fleshed kinds, fine quality and abundant bearer.

POMEGRANATES

PAPER SHELL. A new, thin skinned variety, as the name indicates, of very fine quality. Will bear first year. 50cts each.

PLUMS

Prices 35 cents each, \$3.25 per 10.

Except Satsuma 50 cents, Duarte 75 cents

BURBANK. The best of the Japanese varieties. Fruit large, round, red, flesh yellow, sweet with a very pleasant flavor.

CLIMAX. Very early, large size, fine color; delicious flavor; the leader in early shipping plums; tree vigorous and productive.

DUARTE PLUM. The best of all the new Plums; originated by Mr. Luther Burbank some years ago, but never disseminated. Skin deep purple, big yellow dots, blue bloom. Flesh purple crimson, nearly freestone, very rich, delicious commingling of flavors. Tree upright, hardy fine grower, never falling bearer, abundant. August, 75 each.

GREEN GAGE. Pale green, small, round, juicy, of fine flavor.

KELSEY JAPAN. Ornamental and a splendid bearer; fruit large, light red, when ripe of splendid quality.

SANTA ROSA. The fruit is of a dark purplish crimson in color, the flesh being pale amber near the skin. The quality is unsurpassed and is a valuable plum for both shipping and home uses. Ripens about two weeks earlier than the Burbank. The tree is a splendid grower and of excellent bearing qualities. Fruit of beautiful appearance and delicious flavor; 50c each.

SATSUMA. Large, flesh red, firm, solid, juicy, and of fine flavor.

WICKSON. A deep cherry red; flesh amber, very juicy and delicious flavor. A small pit; ripens early in August and is a valuable shipping plum.

PRUNES

Prices 50 cents each, \$4.50 per 10

FRENCH PRUNE. Violet purple, rich and sugary, medium size, productive, fine for drying, therefore planted extensively.

HUNGARIAN PRUNE (Pond's Seedling). Very large, reddish violet, juicy and sweet; a vigorous tree and strong bearer; fine for shipping or home market.

SUGAR. Early, tree vigorous, fruit carries a high percentage of sugar, flesh dark purple, tender and rich.

TRAGEDY. A valuable early variety. Medium to large, dark purple; flesh yellowish-green, sweet and well flavored, freestone. Fine for eating out of hand July.

VAN DEMAN QUINCE

QUINCES

Prices 35 cents each, \$3.25 per 10

APPLE OR ORANGE. Large, fine golden yellow color. Fine for preserves or flavoring, productive and popular. The variety most largely cultivated. September.

CHAMPION. Fruit yellow, large and handsome, bears early, and is more productive than the above. Cooks tender and is of excellent flavor.

PINEAPPLE. Originated by Luther Burbank. The result of extensive experiments to secure a quince that would cook tender like an apple. The name comes from its flavor, which is suggestive of the Pineapple. Makes an elegant jelly, or can be eaten raw. Late August.

SMYRNA. Fruit very large, of lemon color. A delicious flavor and very tender when cooked. Being a strong grower and heavy bearer with heavy foliage, especially adapted to the interior valleys. One of the best keepers.

VAN DEMAN. (See cut) largest and best quince on the market. Flesh yellow and very fine for canning; 35 and 50 cents each.

CHOICE *Germain's* PLANTS

NUT TREES

NOTE—Deciduous Fruit and Nut Trees comprise all fruit trees that drop their leaves early in the winter and remain in dormant condition until the sap starts running again in the spring. Shipping and planting season starts the first part of January, and ends generally the middle of April, according to the earliness or lateness of the season. Customers desiring early shipment should place their order early, as all orders are filled in rotation as received.

ALMONDS

Prices 50 cents each; \$4.50 per 10.

I. X. L. Tree a rapid, sturdy, rather upright grower, with large leaves. Nuts large, easily shelled, no bleaching or machine necessary. Soft shell.

JORDAN. The largest, and one of the sweetest and best flavored almonds in existence. The kernels are long, plump and thin-skinned. Introduced from Spain.

NE PLUS ULTRA. Tree a rapid grower, leaves large, heavy and regular bearer. Nuts large. Soft shell, hulls free. Middle of March.

NONPAREIL. Of a weeping style of growth; small foliage; a heavy and regular bearer, with very thin shell, of the paper shell type. Ripens early and can be gathered before other varieties are ready.

CHESTNUTS

SPANISH OR ITALIAN. Large nuts, sweet and of good quality. Bears early and is very prolific. Price three to four feet 50 cents each; four to six feet 75 cents each.

PECANS

Price of grafted trees, three to four feet, \$1.50 each.

FROTSCHER. One of the best of the grafted sorts. Tree of strong, upright growth; meat of finest quality, easily removed from shell; nuts large; shells soft and thin.

STUART. Good flavor, nuts large—about two inches long by three-quarters of an inch diameter; shell thin, quality good, and heavy bearer.

GRAFTED (OR BUDDED) WALNUTS

WALNUTS

COMMON BLACK. A robust tree, beautiful foliage, dense spreading top; wood very durable. Hard shell, kernel sweet. \$1.00 each.

GRAFTED OR BUDDED WALNUTS ON BLACK ROOT

FRANQUETTE. This variety is native of France, but recently introduced here. It has proven to be one of the best. Blooms late, after danger of frost is past. Very hardy and an abundant bearer. Nut very large, elongated oval shape, with heavy, well sealed shell. Kernel sweet and rich. Fine for market variety. Price three to four feet \$1.25 each, four to six feet \$1.75, six to eight feet \$2.50.

PLACENTIA PERFECTION. The favorite soft shell walnut in Southern California. Nut is large and of high quality. The tree is strong and vigorous and begins to bear young. Four to six feet \$1.00, six to eight feet \$1.50.

SANTA BARBARA SOFT SHELL. Nuts are large with thin shell, kernels white and sweet. Prolific bearer. Fine for Southern California; \$1.00 and \$1.50 each.

Seedling trees 3 to 4 ft., 35 cents each; \$3.25 per 10
 " 4 to 6 ft., 50 cents each; \$4.50 per 10
 " 7 to 8 ft., 75 cents each; \$7.00 per 10

GRAPES

AMERICAN VARIETIES

Prices 10 cents each, \$1.00 per dozen, except where otherwise noted.

The family of Grapes grown throughout the Eastern and Middle-West States. They are particularly adapted for covering arbors, being good climbers and strong growers. These varieties may be planted in sections where the extreme cold of winter would make it unsafe to use the Foreign Grapes.

CAMPBELL'S EARLY. Blackish purple, large, early and productive. A fine new grape. Flesh firm and tender, almost seedless. A good grower with healthy foliage. Fruit hangs on vines sound and perfect for more than ten weeks after ripening and does not crack. As a good keeper and shipper it is believed to be unequalled by any other grape. More Campbell's Early are being planted in the east than any other variety. 20 cents each, \$2.00 per dozen.

CONCORD. One of the most popular and well known of the native grapes. Early, color black, large, both of clusters and grapes. Flesh juicy, buttery and very sweet. Exceptionally well adapted to arbors. A vigorous grower, healthy and productive.

DELAWARE. A small red grape of fine quality. Bunches are small and compact, sweet and sugary. An abundant bearer.

MOORE'S DIAMOND. A very desirable new white grape. Bunches large, berry white with yellow tinge, when fully ripe. Flesh juicy, almost free from pulp, very few seeds. Early. Resembles Concord in quality, but more pulp; ripens several days earlier.

NIAGARA. One of the best white grapes in cultivation. A leading market variety and much used for arbors.

PIERCE (Isabella Regia). A sport of the Isabella. Berries and leaves are very large size, and when ripe the fruit is exceptionally sweet. For size and quality it is one of the very best of the American varieties. Berries bluish black. A fine market variety, bringing good prices and always scarce. Grown as the California Concord in the Los Angeles region. 15 cents each, \$1.50 per dozen.

WORDEN. Black and of large size. Said to be a seedling of the Concord, which it greatly resembles. Ripens a few days earlier than the Concord, and is of superior flavor. Berries larger than Concord, bunch large and compact.

FOREIGN VARIETIES

Prices 10 cents each, \$1.00 per dozen.

Foreign Grapes are very widely distributed, and heavily grown in California; in fact, the industry is one of the most important in the State. No home garden is complete without a few choice varieties for family use.

The varieties listed below are among the very best and will give entire satisfaction.

BLACK CORNICHON. Black, late, fine for shipping or market; agreeable flavor. Bunches very large, but loose. Desirable on account of its attractive appearance, curious shape, excellent shipping qualities and late ripening.

BLACK HAMBURG. One of the best table grapes. Bunches very large, berries large, round, black when fully ripe. Flesh sweet and juicy. Very heavy bearer.

BLACK MALVOISE. Vine a strong grower. Berries large, oblong, reddish black; flesh juicy, flavor neutral; bunches large, rather loose, an immense bearer. A fine table as well as wine grape.

BLACK PRINCE. Bunches long, tapering; berries juicy and sweet. A very desirable table grape.

EMPEROR. Vine vigorous and heavy bearer; berries oblong, rose color; a splendid late variety for the market. A favorite variety on account of its lateness and good keeping qualities.

MALAGA. Immensely productive; berries very large, large bunches, yellowish green. One of the best shipping grapes, commanding a good price on the eastern markets.

MISSION. The first grape grown in California. Vine a strong grower. Bunches loose; berries medium size, round, purple-black, exceedingly sweet, juicy and delicious. Skin thin. Very popular.

MUSCAT OF ALEXANDRIA. Yellowish green, skin thick, extensively planted for raisins. Vine rather short bushy grower, more of a bush than vine; berry oblong, light yellow, transparent. One of the richest flavored of all grapes.

ROSE OF PERU. Vine a strong grower; bunches very large, rather loose; berry round, large, black, with firm and crackling flesh. Ripens rather late. A popular and fine market variety.

SULTANA. Large bunches, berries small, amber colored, seedless; a fine bearer and excellent for raisins. Grows in sandy soil. An immense bearer, producing very large crops.

THOMPSON'S SEEDLESS. A prolific bearer; large bunches, berries greenish yellow, seedless, larger than the Sultana; makes a raisin of fine quality and valuable for table use.

TOKAY. Berries large, skin thick, pale red, flesh firm and sweet; excellent for table. The leading shipping grape of the state.

CHOICE *Germain's* PLANTS

BERRY PLANTS

MAMMOTH BLACKBERRIES

BLACKBERRIES

CRANDALL'S EARLY. Ever-bearing, large and firm; good flavor, bears the entire season, ripens early, one of the best. Per dozen, 50 cents, \$3.00 per 100.

HIMALAYA GIANT. A remarkable grower, canes growing 40 feet in a single season. It should be trained on a trellis; a tremendous bearer and good shipper. Very few seeds. For canning and jams it has few equals and is also a fine table fruit; 15 cents each, \$1.00 per dozen, \$7.00 per 100.

MAMMOTH BLACKBERRY. A mammoth in growth and unlike any other blackberry plant. In a favorable season it has attained a growth of 20 feet. The foliage is large and thick and of a deep green color. Fruit is enormously large, some berries being $2\frac{1}{4}$ to $2\frac{1}{2}$ inches long; ripens three weeks before other kinds. Of delicious flavor and sure to become a great favorite. To obtain the best results plant upon a trellis, which should be set 10 feet apart and set the plants 6 to 8 feet in the rows. 10 cents each, 75 cents per dozen, \$5.00 per 100.

CURRENTS

Prices 15 cents each, \$1.25 per dozen.

Currents do not thrive in the dry heated air of the interior, but do well near the Coast, the comparatively cool and moist air of the ocean favoring them.

BLACK NAPLES. Large, black, fine for jams and jellies; 15 cents each, \$1.25 per dozen.

CHERRY. Very large, deep red, fine for preserves; productive; 15 cents each, \$1.25 per dozen.

FAY'S PROLIFIC. Fully as large as the cherry; early and productive. A new current that has proven to be one of the very best; 15 cents each, \$1.25 per dozen.

DEWBERRIES

GARDENA. The most popular and best of this class of berries and has proven a great success. Ripens two weeks earlier than any of the Blackberries; berries large, glossy black, sweet and rich. Fine for market and bears very heavy; 10 cents each, 50 cents per dozen, \$2.50 per 100.

LUCRETIA. Produces an abundance of large, glossy black fruit, of excellent quality. Ripens ten days later than the Gardena; 50 cents per dozen, \$2.50 per 100.

GOOSEBERRIES

The Gooseberry does not thrive in a hot dry climate, but requires a cool and foggy atmosphere. They also produce heavily in mountain sections at an elevation of 5,000 feet.

DOWNING. Fruit of good size, light green, oval, skin smooth, fine flavor; 15 cents each, \$1.50 per dozen.

HOUGHTON. Fine grower and a good bearer, pale red fruit, sweet and juicy; 15 cents each, \$1.50 per dozen.

JOSSELYN. Fine grower and prolific bearer. The freest of all all gooseberries from mildew, both in leaf and fruit, making it a good berry for the coast. Price 20 cents each, \$2.00 per dozen.

LOGANBERRY

LOGANBERRY. A cross between the raspberry and the blackberry, and partaking of the flavor of both, only more delicious than either. Seeds few; ripens early; excellent for table either raw or stewed. This berry is unlike any other in existence. Fruit very large, dark red and produced in immense clusters. One of the finest berries in existence. The best results are obtained by growing on a low trellis. Plant in rows seven feet apart and six to eight feet in the row; 10 cents each, 75 cents per dozen, \$5.00 per 100.

RASPBERRIES

BLACK CAP. We have had many calls the last few seasons for Black Cap Raspberries, but we did not carry them in stock, as we had not been in a position to get a variety that would do well in Southern California, but we are prepared this season to supply "Black Caps" that are an excellent berry and will prove satisfactory in every way. Price 15 cents each, \$1.00 per dozen, \$7.00 per 100.

CUTHBERT, RED. Berries very large, rich red, flavor good; a fine shipper, one of the most popular of all Raspberries; 50 cents per dozen, \$2.50 per 100.

EARLY SURPRISE. A splendid new Raspberry similar in form and color to the Cuthbert. Begins to ripen in April, continuing during the entire berry season; growth very strong; the earliest berry of all to ripen; 15 cents each, \$1.00 per dozen, \$7.00 per 100.

GOLDEN QUEEN. The best of all yellow varieties, sometimes called "Yellow Cuthbert." Fine flavor and very palatable. Makes fine jelly and preserves; 15 cents each, \$1.00 per dozen, \$7.00 per 100.

STRAWBERRIES

Prices 20 cents per dozen, 75 cents per 100, \$4.50 per 1,000

BRANDYWINE. Plant a luxuriant grower. Fruit large, conical; flesh firm, glossy red, of fine quality. A medium to late variety, exceedingly popular, heavily grown and a splendid shipper.

EXCELSIOR. The earliest strawberry and the best winter bearer. Round, medium good flavor, color pale red. Brings high prices as a winter berry.

KLONDIKE. A medium early variety of recent introduction. Fruit beautiful and uniform in shape; a rich blood-red in color; juicy and delicious in flavor. Well worth planting. A new berry, becoming very popular and grown heavily for market.

A1. Ripens from early spring to late fall; a sure and continuous bearer. Large, dark red, when ripe. Very prolific.

MONEY MAKERS

Germain's investments are all of that. And they are safe.

See Page One

CHOICE *Germain's* PLANTS

ORNAMENTAL DECIDUOUS TREES

This class of trees furnishes ample shade and ornamentation of grounds during the summer season, dropping the leaves in winter, when shade is not desired; 4 to 6 ft. 50 cents, 6 to 8 ft. and up 75 cents and \$1.00.

NOTE: To supply the trade after the dormant season is over (April 1), we carry some of the above varieties in 5 gallon cans. Price 25 cents per tree higher.

ASH, ARIZONA. A rapid growing tree, suitable for planting in arid regions where shade is required in summer time and sunshine in winter.

ASH, WHITE. A tall, very straight tree with broad, round head and dense foliage of a dull bluish-green color. A magnificent avenue tree, adapting itself readily to California soils and climatic conditions.

COTTONWOOD. A very rapid growing tree, with spreading head. For quick shade it is invaluable. It adapts itself to almost any situation, but is very partial to moist places.

ELM, AMERICAN. This beautiful tree grows in many parts of the United States; is one of the best deciduous trees, and grows quite tall.

LOCUST, BLACK. Native of North America, with spreading branches; a rapid grower; grown extensively for lumber; white flowers.

MAPLE

SILVER. The favorite eastern shade tree; also does well in this climate. Foliage very striking.

NORWAY. A large, handsome tree, with broad, deep green foliage, and of very compact growth, rendering it one of the most desirable varieties for the street, park or garden. A valuable variety in the interior valleys.

SUGAR (ACER SACCHARUM). A large tree of pyramidal form, dense habit, foliage dark green. A magnificent tree for street and lawn. Height fifty to sixty feet.

CUT-LEAF SILVER MAPLE. A beautiful form of the Silver Maple. Leaves deeply cut and delicately divided. Branches drooping, frequently touching the ground. Height thirty-five to forty feet.

MULBERRY

RUSSIAN. Attains a height of 50 ft. Tree of a spreading habit, rapid growth, and conspicuous for its rather large dark green, glossy leaves.

TEAS WEeping. Is one of the best decorative mulberry trees. Beautiful on a lawn, makes an excellent summer house. Price 5 to 6 ft. \$1.25, 6 to 8 ft. \$2.00, 8 to 10 ft. \$2.50 each.

TEAS WEeping MULBERRY

POPLAR, CAROLINA. An upright growing tree, pyramidal head, large glossy deep green leaves. One of the best for street shade.

SYCAMORE. One of the best forest shade trees; a rapid grower.

TEXAS UMBRELLA TREE. One of the most beautiful shade trees. A rapid grower with very dense umbrella head, giving abundance of shade all summer. There is no better tree for the desert home; 3 to 4 ft. trees 40 cents each; 4 to 5 ft. trees 50 cents each; 5 to 6 ft. trees 60 cents each; 6 to 8 ft. trees 75 cents to \$1.00 each.

ORNAMENTAL DECIDUOUS SHRUBS

LILAC OR SYRINGA

GRAPE MYRTLE. A handsome, deciduous shrub that produces an abundance of very showy flowers. In three colors: pink, crimson and white. In pots 50 cents each; larger plants 75 cents to \$1.00 each.

LEMON VERBENA (Aloysia Citriodora). Well known fragrant lemon scented shrub. In pots 8 inches to 12 inches high, 15 cents to 25 cents. In gallon cans 2 to 3 ft., 35 cents to 50 cents.

LILAC. See Syringa below.

SNOWBALL. See Viburnum below.

SPIRAEA ANTHONY WATERS. Crimson Spiraea, a valuable addition to our list of shrubs, strong grower, free bloomer, not only during the summer, but also during the fall. In every way a grand Spiraea. In gallon cans 35 cents to 50 cents, larger plants in 5 gallon cans 75 cents and \$1.00.

REEVESIANA (Bridal Wreath). A well-known favorite shrub, producing immense quantities of white flowers; 25 cents to 50 cents each, in 5 gallon cans, 75 cents.

VAN HOUTTE (Van Houtte's Bridal Wreath). The finest of all the white varieties. When in flower, a complete fountain of white bloom, the foliage hardly showing at all, so dense and profuse are the blooms. This has been a great favorite wherever tried; 50 cents each, in 5 gallon cans \$1.00.

SYRINGA PERSICA (Persian Lilac). A superb variety, with small foliage and bright purple flowers; 50 cents each.

VULGARIS (Common Lilac). A well-known, beautiful shrub, with large trusses of fragrant, bluish-purple flowers; 50 cents to \$1.00 each.

VULGARIS ALBA. A white variety of the above; 50 cents to \$1.00 each.

TAMARIX (The Tamerisk). A graceful shrub, with feathery, cypress-like leaves and large panicles of showy pink flowers. Blooms during early summer. Thrives in all soils and locations, whether by the seashore or hot interior valleys; 3 to 5 ft. plants in gallon cans, 25 to 50 cents each.

VIBURNUM OPULUS VAR. STERILIS (Snowball, or Guelder Rose). A favorite shrub with clusters of pure white flowers; 35 cents and 50 cents each.

CHOICE *Germain's* PLANTS

CONIFERS

ARAUCARIA

ARAUCARIA EXCELSA

BIDWILLII (Bunya-Bunya). A magnificent tree for planting on lawns or in parks. Many fine specimens may be seen in Los Angeles. In pots 4 to 5 ft. \$5.00. Specimen plants 6 to 8 ft. high, very bushy \$25.00 to \$30.00 and \$35.00 each.

EXCELSA (Norfolk Island Pine). One of the handsomest trees for planting on lawns and in parks, also extensively used as a decorative pot-plant, pyramidal form and an ornament to any garden. The branches on old trees come out in tiers 3 to 4 ft. apart, therefore do not obstruct the view. Small plants 2 to 3 tiers 75 cents, \$1.00 and \$1.25, 3 to 4 tiers \$1.50, \$2.00 and \$2.50, averaging \$1.00 to \$1.25 per foot in height.

COMPACTA ROBUSTA. Foliage very heavy, strong and sturdy, which in this respect differs from A. Excelsa. Fine pot grown plants 2 tiers \$1.00 to \$1.50; 3 tiers \$2.00 to \$2.50; 4 tiers \$3.00 to \$3.50, averaging \$1.50 per foot in height.

GLAUCA. Another of the A. Excelsa type, in character of growth, and one of the handsomest of all the family. Foliage a beautiful glauca green. Pot grown plants, 2 tiers \$1.00 to \$1.25; 3 tiers \$1.75 to \$2.25; 4 tiers \$3.00 to \$3.50, averaging \$1.50 per foot in height.

ARBORVITÆ (Thuja)

THUYA OCCIDENTALIS (American Arborvitæ). An ornamental evergreen tree or shrub of thick growing habit and especially valuable for hedges. In 8 inch pots, 3 to 4 ft. high 35 cents to 50 cents; in 5 gallon cans 4 to 6 ft. high 75 cents to \$1.00.

OCCIDENTALIS AMEA (Chinese Golden Arborvitæ). One of the most beautiful compact ornamental shrubs. A slow grower and suitable for cemeteries and in narrow corners of beds where slow growth is desired. Foliage green and assumes a golden tint in spring. In gallon cans, 10 to 14 inches, 35 cents to 50 cents, boxed 3 ft. \$2.00, 4 ft. \$3.00.

PINUS

PINUS INSIGNIS (Monterey Pine). A native of California, much used as a street shade tree and in groves, being a rapid grower, and very handsome, pyramidal habit, with long deep green needles or leaves; thrives best near the coast. Small plants in pots 25c and 35c, 3 to 4 ft. 60c to 75c, 4 to 6 ft. \$1.00 to \$1.50.

CYPRESS

LAWSON CYPRESS

GUADALUPENSIS (Blue Cypress). One of the quickest growing of the Cypress family. An erect grower, pyramidal form, foliage a beautiful glaucous green. In pots 2 to 3 ft. 50 cents to 60 cents, 3 to 4 ft. 75 cents to \$1.00, 6 to 8 ft. \$2.00 to \$3.00.

LAWSONIANA (Lawson Cypress). (See Cut). A native tree, and does well in this country. Being quite hardy, the nature of this tree is to grow bushy and erect with beautiful drooping branches with dark green glossy leaves. 3 to 4 ft. high \$1.25 to \$1.50, 4 to 5 ft. high \$1.75 and \$2.00, 5 to 6 ft. high \$2.50.

MACROCARPA (Monterey Cypress). A native of this state, a rapid growing variety, and can be trimmed into any shape. This fact, combined with its dense foliage, makes it very valuable for hedges and wind-break purposes. When allowed to grow in tree form it is one of the best shade trees. Small plants in boxes of 100 plants at \$1.50 per box. In pots 2 to 3 ft. high 25 cents each, 3 to 4 ft. high 35 cents, 4 to 5 ft. 50 cts.

SEMPERVIRENS (Italian Cypress). This is the favorite cypress for planting in cemeteries, Italian gardens, and at the entrance of driveways and walks. Being a tall, narrow growing tree it is extensively used for arches. The branches are erect and grow close to the trunk. Foliage a dark green. In pots 2 to 3 ft. 50 cents, 3 to 4 ft. 75 cents. In 5 gallon cans 4 to 6 ft. \$1.00 to \$1.50 each; 6 to 8 ft. \$2.00 to \$2.50.

SEQUOIA

SEQUOIA GIGANTEA (California Big Tree). The largest tree in the world. A native of California and attains a height of from 300 to 400 ft. with very thick trunks, some of which have measured over 30ft. in diameter. Shape of tree is tapering with deep green foliage. One of the handsomest trees for avenues and private gardens. Very ornamental; 6 inch pots \$1.00 to \$1.50; large plants 4 to 6 ft. \$2.50 to \$3.50. See page 66.

SEMPERVIRENS (California Red Wood). Another one of California's native giant trees. A very rapid grower and ornamental. The timber from this tree ranks among the finest in the world, both for building and decorative purposes. Small trees \$1.00, larger size \$3.50 each.

CHOICE *Germain's* PLANTS

ORNAMENTAL EVERGREEN TREES

ACACIA

BAILEYANA. A small, handsome tree with glaucous foliage and covered with bright yellow flowers in the spring. So profuse are the flowers they almost drown the foliage; very popular as a cut flower. This tree is an ornament to any garden. One of the finest of the Acacia trees. In gallon cans 2 to 3 ft. 50 cents to 75 cents, 3 to 4 ft. \$1.00 to \$1.25, in 5 gallon cans 4 to 6 ft. \$2.00 to \$2.50 each.

CULTRIFORMIS (Knife-Leaved Acacia). Foliage of this variety is triangular in form; color beautiful sea-green; profuse in bloom; of medium sized growth. A splendid variety; 3 to 4 ft. 75 cents, 4 to 5 ft. \$1.00 each.

DEALBATA (Silver Wattle). A handsome strong growing shade tree for planting on lawns and in parks; also one of the best for streets. Feathery foliage of a bluish-gray color. In pots or cans 40 cents to 50 cents.

DECURRENS (Green Wattle). One of the best trees for street planting. Similar to the Dealbata. In pots or cans 3 to 4 ft. 40 cents to 50 cents.

FLORIBUNDA (30 feet). A rapid upright growing tree, with long narrow leaves; small bright yellow flowers; blooms heavily all summer. A splendid variety. We have an exceptionally fine stock on hand in 1 gallon cans, 3 to 4 ft. 40 cents to 50 cents, 4 to 6 ft. 60 cents to 75 cents. Special prices on large quantities.

LATIFOLIA. Resembles the "Melanoxylon" variety, but leaves are longer and the tree more floriferous. In pots or cans 3 to 4 ft. 50 cents, 4 to 5 ft. 60 cents to 75 cents, in 5 gallon cans 7 ft. and up, \$1.50 to \$2.00 each.

ACACIA MELANOXYLON (BLACK ACACIA)

MELANOXYLON (Black Acacia). The best of the Acacias for street planting, and very extensively planted of late. A rapid grower. We have a large and fine stock in 1 gallon and 5 gallon cans. Prices in 1 gallon cans 4 to 6 ft. 50 cents to 75 cents, 6 to 8 ft. \$1.00, 6 to 10 ft. in 5 gallon cans \$1.00 to \$1.25. Special prices on large quantities.

MOLLISSIMA (Black Wattle). A fine erect growing tree, with glaucous green feathery foliage; flowers yellow, produced in early spring in great profusion. In pots or cans 3 to 4 ft. 40 cents to 50 cents.

PYCANTHA (Golden Wattle). Leaves long and broad; flowers in long solitary auxiliary spikes. In pots or cans 3 to 4 ft. 50 cents, in 5 gallon cans 4 to 6 ft. 75 cents and \$1.00.

BAMBOOS

BAMBUSA METAKE. A very hardy variety; well adapted to use as a screen for backyards; 50 cents to \$1.50.

VULGARIS. A giant Bamboo, attaining a height of 70 ft., and over 4 inches in diameter. Strong established plants 6 to 8 ft. \$3.00, 8 to 10 ft. \$5.00 each.

CAMPHOR TREE

CAMPHORA OFFICINALIS. The cleanest of all shade trees, and hardy in this climate; is considered to be one of the finest street shade trees; a fast grower, and requires little treatment. The beautiful light green, glossy foliage is an attraction all the year, while in the spring the new growth comes out a reddish brown and turns to green. In gallon cans 3 to 4 ft. high, 50 cents, 4 to 5 ft. 75 cents, 5 to 6 ft. \$1.00 each. A very large assortment in 5 gallon cans, 5 to 8 ft. high at \$1.25 to \$1.50. Special prices on large quantities.

CAROB TREE

ST. JOHN'S BREAD. A handsome shade tree, with round spreading top and small glossy green leaves, bearing large edible pods. In 5 gallon cans \$1.00 to \$1.50 each.

CASUARINA STRICTA

BEEF-WOOD or SHE-OAK. A beautiful shade tree and odd in appearance; needle shaped leaves, wood very hard and valuable. Remarkable for rapid growth. Tree grows well in brackish and alkaline soils and endures the heat of the interior. In gallon cans, 3 to 4 ft. 50 cents, 4 to 5 ft. 60 cents to 75 cents, 5 to 7 ft. \$1.00 to \$1.50. In 5 gallon cans 6 to 8 ft. \$1.50 to \$2.00. Special prices on large quantities.

CEDRUS DEODARA

HIMALAYAN CEDAR. An exceedingly beautiful tree with drooping branches and silvery green foliage. A noble looking tree wherever planted; very rapid grower. In pots 1 to 2 ft. high 75 cents to \$1.00, 3 to 5 ft. \$2.75 to \$3.50, larger sizes \$5.00 to \$7.50 each.

ENGLISH HOLLY

ENGLISH HOLLY TREES. A beautiful evergreen tree with dark green, stiff, curly leaves. The branches thro' the winter months are covered with red berries which make a wonderful effect. In warm climates this tree should be planted where it will receive partial shade and damp soil. Often used as pot or tub plants until too large to handle easily and then planted in open ground. Price, 18 in. high, \$1.50; 24 in. high, 00; 30 in. high, \$3.00 each.

EUCALYPTUS

CORYNOCALYX (Sugar Gum) (See cut page 66). One of the best of the family for a shade tree, and is being planted extensively as an avenue tree; wood very hard. In gallon cans 25 cents to 50 cents. In flats of 100 plants, 4 to 8 inch, \$2.00, \$15.00 per 1,000.

DIVERSICOLOR (Karri Gum). Prices same as above.

RUDIS (Desert Gum). Prices same as above.

TERETICORNIS (Gray Gum). Prices same as above.

FICIFOLIA (Scarlet Flowered Gum). This handsome tree should be in every garden; a rapid grower and excellent shade tree, dark green leaves and immense clusters of bright scarlet flowers. Tree 3 to 5 ft. \$1.00 each.

GLOBULUS (Tasmania Blue Gum). See cut page 66. In pots 15 cents, 25 cents and 35 cents. In flats of 100 plants, \$1.50 per flat, \$12.50 per 1,000.

ROSTRATA (Red Gum). See cut page 67. In gallon cans 25 cents and 35 cents. In flats of 100 plants, \$2.00 per flat, \$15.00 per 1,000.

For further descriptions of Eucalyptus turn to pages 66 and 67.

EUCALYPTUS GLOBULUS

CHOICE *Germain's* PLANTS

ORNAMENTAL EVERGREEN TREES (Continued)

FICUS ELASTICA

FICUS AUSTRALIS (Australian Banyan Tree). One of the most remarkably large spreading trees of tropical Australia, standing the climate of California perfectly. It is also used as an ornamental pot plant, and extensively for decorative purposes. We have a large assortment to offer. In pots 12 to 24 inches 50 cents and 75 cents, 2 to 3 ft. \$1.00, 3 to 4 ft. \$1.25 to \$1.50, 4 to 6 ft. \$2.00 to \$2.50.

FICUS ELASTICA (Rubber Tree). The true Rubber Tree from India. A fine ornamental tree for lawn, with long, glossy green leaves; and also much used as a decorative plant. In pots. \$1.00 per foot.

FICUS MACROPHYLLA (Moreton Bay Fig, or Long-leaved Rubber Tree). Similar to *F. Australis*, quite hardy and grows very large, with larger leaves than the former. In pots 2 to 3 ft. \$1.00, 3 to 4 ft. \$1.25; large plants in 5 gallon cans 4 to 5 ft. \$1.50, 5 to 6 ft. \$2.00 to \$2.50.

GREVILLEA ROBUSTA (Silky Oak, or Australian Fern Tree). This beautiful tree is well adapted to this climate, and is one of the best avenue trees, rapid growth, fern-like leaves and golden yellow flowers, which adorn the tree in the early summer months. Resist drought to a remarkable degree and is one of the most stately avenue and lawn trees of the interior. In cans 1 to 2 ft. 25 cents, 2 to 3 ft. 35 cents, 3 to 4 ft. 50 cents, 4 to 6 ft. 60 cents, 6 to 8 ft. 75 cents. Special prices on large quantities.

JACARANDA OVALIFOLIA (Brazilian Jacaranda). A beautiful tree of rapid growth, very fine cut fern-like leaves with large panicles of very showy blue flowers, which come out in summer. Grown in Southern California as a shade and ornamental tree; 3 to 4 ft. high 75 cents, large trees 6 to 8 ft. \$1.50 to \$2.00 each.

LIVE OAK (California). A familiar sight on our California landscapes, which adds so much to its beauty. A magnificent tree and should be extensively planted. In 5 gallon cans 3 to 4 ft. 75 cents, 4 to 6 ft. \$1.00 to \$1.25.

MAGNOLIA GRANDIFLORA. This noble evergreen tree, a native of the Southern States, grows to a height of 100 ft. and does well in this climate; a perfectly formed tree with large glossy green leaves. The flowers are large, pure white and fragrant. Plants 1 to 2 ft. 50 cents, 2 to 3 ft. \$1.00, 3 to 4 ft. \$1.50, 4 to 6 ft. \$2.00 to \$2.50. Grafted trees 2 to 3 ft. \$1.50, 3 to 4 ft. \$2.00 each.

PARKINSONIA ACULEATA, OR JERUSALEM THORN (40 feet). A very rare, odd and beautiful thorny tree with pine-like leaves, and feathery drooping branches, flowers one inch across, yellowish. Will thrive in the driest locations. As a specimen tree for lawns it always attracts attention; 3 to 4 ft. 50 cents to 75 cents, 4 to 6 ft. \$1.00 to \$1.25.

PEPPER TREE (*Schinus Molle*). This beautiful tree is too well known and popular to need much description. It has been one of the greatest attractions for years in Southern California and for a shade, ornamental, park or avenue tree it has no equal. Some specimens in Los Angeles are 50 ft. high and equally as broad. The dense foliage of green feathery leaves, white flowers and red berries add to the beauty of the tree. Small trees 25 cents, 4 to 5 ft. 50 cents, 6 to 7 ft. 75 cents each.

PITTOSPORUM. See page 82.

GREVILLEA ROBUSTA

STERCULIA ACERIFOLIA (Australian Flame Tree). Pyramidal habit and large green leaves, produces masses of scarlet flowers, which can be seen at great distance. A very showy tree and should be in every collection. Large trees \$1.50 to \$2.00 each.

DIVERSIFOLIA (*Brachychiton Populenum*). This tree is rapidly becoming a favorite for street and avenue planting. Very graceful form; hardy and strong, leaves a bright glossy green, with various formation in shape; 3 to 4 ft. 50 cents, 5 to 6 ft. 75 cents, 6 to 8 ft. \$1.50 each.

PEPPER TREE

CHOICE *Germain's* PLANTS

ORNAMENTAL EVERGREEN SHRUBS

BOTTLE-BRUSH (*Callistemon Speciosus*). Scarlet flowers. In gallon cans 3 to 4 ft. high 50 cents to 75 cents each.

BROOM, SPANISH. See Genista.

CALADIUM ESCULENTUM (Elephant's Ear). A tropical plant with enormous leaves. Very ornamental for lawns. In pots from 50 cents to \$1.00 each.

DAPHNE ODORA. A handsome, evergreen, winter-blooming shrub. In 6 inch pots \$1.00 each.

DIOSMA FRAGRANS (Breath of Heaven). A favorite shrub or pot plant; small white flowers. In pots 40 to 75 cents each.

FUSCHIA. Our stock of these ever-blooming plants embraces all the best sorts of single and double flowering varieties. Pot plants 25 cents and 35 cents each.

GENISTA SCOPARIUS (*Cytisus Scoparius*, Spanish Broom). Bright yellow, pea-shaped flowers, produced very freely in the spring and summer, on long pendulous, round leafless branches. An upright growing shrub. In gallon cans 50 cents to 75 cents, in 5 gallon cans, 5 to 6 ft., \$1.00.

GREVILLEA THELMANNIANA. Beautiful evergreen shrubs, having fine feathery foliage, and producing throughout the summer clusters of brilliant scarlet flowers, borne on the ends of the branches. In gallon cans 2 to 3 ft. high 50 to 75 cents.

HELIOTROPICUM (The Common Heliotrope). A fine collection; various shades of blue and pure white; 4 inch and 5 inch pots 25 cents and 35 cents each; 6 to 8 inch pots 50 and 75 cents.

HIBISCUS SINENSIS. A beautiful shrub, with large, showy flowers. Choice double and single varieties. Colors peach-blow, pink and scarlet. In 4 inch pots 25 cents and 35 cents; in gallon cans 50 and 75 cents; in 5 gallon cans \$1.00 to \$1.50.

MATILLIJA POPPY (*Romneya Coulteri*). A California native flowering shrub, and commonly known as the queen of the native flowers. Is a vigorous grower and often attains a height of 7 to 8 ft. The foliage is a beautiful silvery green, and the large flowers with their silky white petals and bright yellow center make it one of the most attractive shrubs grown. The stems are long and stiff, making it very useful for cut flower purposes. This magnificent plant should be in every garden. Well established plants \$1.00 each. See page 63.

NEW ZEALAND FLAX (*Phormium Tenax*). Has large sword-like leaves of a deep rich green color. From this plant Flax is made in New Zealand. Very Ornamental. In 5 gallon cans, 3 to 4 ft. high, 75 cts. and \$1; in 12 inch Japanese tubs \$1.50.

NEW ZEALAND FLAX (*Phormium Tenax Variegata*). The variegated leaf variety; has shorter leaves, broad creamy-white stripes extending the entire length of each leaf. A grand lawn plant and also very desirable for grouping. Prices the same as the above.

OLEANDERS. Best suited for the warmer sections, where if given plenty of water, it thrives to perfection. The flowers are produced very freely for a long period. One of the showiest of ever-blooming evergreens. Colors, red, pink, white and buff yellow. In gallon cans 2 ft. 50 cents, 5 gallon cans, 5 to 6 ft. (very stocky) \$1.25 to \$1.50.

PITTOSPORUM EUGENOIDES. A handsome shrub, upright growth, with black stems and silvery-green leaves, very showy. Large plants 4 to 6 ft. high \$3.00 each.

NIGRICANS. A very handsome tree or shrub, with silvery light green leaves and black stems. Also a good hedge plant and very ornamental as an individual. In 5 gallon cans 5 to 6 ft. \$1.25; 6 ft. and up \$1.50.

UNDULATUM. Can be grown in either shrub or tree form; has magnificent glossy leaves and fragrant flowers. Can be used for hedges or ornamental purposes and has no equal. Small plants 25 cents; large size \$1.00 to \$1.50 each.

PLUMBAGO. White and blue. A beautiful flowering plant that can be used as a shrub or climber; very popular in this country. 3 in. pots 15c; 4 in. pots 25c; 5 in. pots 35c each.

POINSETTIA PULCHERRIMA. The well-known Floride Pascua, the "Christmas Flower" of Mexico; unsurpassed for the splendor of its brilliant scarlet flower bracts; a universal favorite; grows to a large size. In 4 inch pots 25 cents, 5 inch pots and 6 inch pots 35 cents to 50 cents; large plants in 5 gallon cans, 3 ft. to 5 ft., \$1.00 to \$1.25.

HYDRANGEA HORTENSIS

HYDRANGEA HORTENSIS. One of the most gorgeous blooming plants grown in our semi-tropic climate; thrives best in partial shade, but does well in any situation. Our plants are pot-grown. In 4 inch to 6 inch pots 25 cents, 35 cents and 50 cents each. In 5 gallon cans \$1.00 to \$1.50.

OTASKA. The flowers are much larger than the old variety, frequently measuring 12 inches in diameter and of a delightful pink color. Prices same as above.

LANTANA. An ever-blooming shrub and does well in Southern California. Can be used as a hedge or ornamental plant. Colors, orange, yellow, pink and white. Four inch and 5 inch pots 25 and 35 cents each; 6 to 8 inch pots 50 to 75 cents.

LAURESTINUS. A handsome shrub with white flowers. Very fragrant, a free bloomer, and often used as a hedge plant. Small plants, 3 inch, 4 inch and 5 inch pots, 15 cents, 20 cents, and 25 cents; large plants in 5 gallon cans \$1.00 to \$1.50.

PRIVET

LIGUSTRUM JAPONICUM VARIEGATUM. Beautiful golden variegated foliage. Quart cans 1 to 1½ ft. 15 cents each, \$1.50 per dozen; 5 gallon cans, 4 ft., 75 cents and \$1.00.

JAPONICUM (Japanese Privet). A handsome shrub; valuable for hedges. In boxes of 100 plants \$3.00 per 100. Bare rooted 2 ft. plants 50 cents per dozen, \$3.00 per 100. In 3 and 4 inch pots 15 cents, in gallon cans, 3 to 4 ft., 25 cents and 35 cents; large plants in 5 gallon cans, 4 to 6 ft. \$1.00.

NEPALENSE (New). Foliage darker green and grows more compact than the above; \$4.00 per 100.

MYRTUS COMMUNIS (Common Myrtle). A well known shrub. In pots 15 cents to 50 cents each.

POINSETTIA

CHOICE *Germain's* PLANTS

ORNAMENTAL EVERGREEN PLANTS

ASPIDISTRA ELATIOR VARIEGATA. Foliage green with broad stripes of white. Sizes of pots same as below; 15 cents per leaf.

LURIDA. Native of China. The leaves of this variety are long, broad, shining dark green. A splendid house plant. In 4 inch, 5 inch and 6 inch pots. Pots average 5 to 10 leaves, according to size; 10 cents per leaf.

BANANA, ABYSSINIAN (*Musa Enseta*). This magnificent foliage plant, if planted in the open ground, and given plenty of water, attains a height of 12 ft. in one season. Is also used as a decorative tub plant. The fruit of this variety is not edible, but the leaves are magnificent, long, broad and massive, of a beautiful green, with a broad crimson midrib. Does not sucker. In 5 gallon cans, 3 to 4 ft. 75 cents, 4 to 5 ft. \$1.00, 5 to 6 ft. \$1.25 to \$1.50. In 12 inch Japanese tubs, \$1.50 to \$2.00. In 18 inch Japanese tubs, \$2.50.

EDIBLE. This very valuable tropical plant is prized for its fruit, textile fibre, and decorative effect in landscape gardening. The fruit of the banana seldom matures in Southern California on account of climatic conditions, but the tree makes a splendid tropical effect in landscaping. Price, 3 to 4 ft. \$1.50, 4 to 6 ft. \$2.00.

BAY TREES, (Laurus Nobilis). Handsome ornamental trees, trained in pyramids and globes. Excellent for hotel and other places where a striking effect is desired. Pyramids in tubs. Standard or globe shape in tubs.

Small size, 28-36 in. stems, 26-28 in. heads, \$22.50 pair

Medium size, 44-50 in. stems, 24-26 in. heads, 25.00 pair

Large size, 44-50 in. stems, -36 in. heads, 40.00 pair

44-50 in. stems, 40-42 in. heads, 50.00 pair

Extra large 44-50 in. stems, 46-48 in. heads, 75.00 pair

Pyramid shape 5 ft. high, \$20.00 per pair
Pyramid shape 6 to 7 ft. high, \$35.00 per pair.

SPECIAL. Pyramidal unshaped Bay trees, in 20 inch Japanese tubs, 8 to 10 ft. \$15.00 to \$25.00 each.

BOX WOOD (*Buxus sempervirens*). A European shrub of very dense growth, leaves small, dark glossy green. Can be used as a hedge plant, but shows to better advantage when grown alone and used as a decorative plant. 5 ft. plants well shaped, \$8.00 each, 6 ft. plants, \$10.00 each. The above plants are in large 20 inch tubs. Untrimmed pyramids, in 10 inch pots, 2 ft. \$2.00 each, \$3.50 per pair; Ball Shaped (specimen plants) in 12 inch Japanese tubs, 15x15 in., \$4.50 each, \$8.00 per pair; 18x18 in., \$5.50 each, \$10.00 per pair.

CAMELLIA JAPONICA. Among the most beautiful winter flowering evergreen shrubs, handsome shining, dark green leaves, and magnificent, wax-like flowers of the following colors: red, white, pink and variegated. This plant is hardy, does well in the house or conservatory and outdoors, but should be planted in a shady location. Vine plants 2 to 3 ft. \$1.00 to \$1.50.

COLEUS, see page 90.

CYCLAMEN GIGANTEUM. One of the finest plants for house and greenhouse culture. Flowers beautiful; very ornamental for winter and spring flowering; assorted colors; 50 cents, 75 cents and \$1.00 each.

BOSTON FERN WALL POCKET

FERNS, HANGING BASKETS, FERN BALLS

Shade, moisture and good drainage are essential in the successful growing of Ferns, etc.

ADIANTUM CUNEATUM (Maiden Hair Fern). One of the most beautiful of all Maiden Hair Ferns; the most popular and most generally grown by florists for decoration; 4 inch pot 50 cents; 5 inch pot 75 cents; 6 inch pot \$1.00.

ALSOPIHA AUSTRALIS (Fern Tree). A very rapid growing tree fern suitable for larger ferneries. The plant in a fully developed state is a magnificent thing. It attains a spread of several feet; the fronds are very broad and long, lace-like in appearance, and are admired by everyone. Price 4 inch pots 75 cents, 5 inch \$1.00, 6 inch \$1.50, 7 and 8 inch \$2.00 to \$3.00.

ASPARAGUS PLUMOSUS. The most valuable decorative plant grown. Its fine feathery foliage, which grows in great length and has a deep green color, is used in all the best decorations and floral work; is easily grown and thrives best in partial shade; 3 inch pots 15 cents each, \$1.50 per dozen; 4 inch pots 25 cents each, \$2.50 per dozen; 5 inch pots 35 cents each, \$3.50 per dozen; 6 inch pots 50 cents each, \$5.00 per dozen.

SPRENGERI (Natal). A most desirable new species, especially useful to grow as a pot plant, or for decorative purposes, or for planting in hanging baskets. Flowers white, followed by red berries. The fronds are frequently four feet long; are of a rich shade of green, and most useful for cutting, retaining their freshness after being cut for weeks. It makes an excellent house plant, as it withstands a dry atmosphere. As a hardy fern in hanging baskets, this magnificent plant cannot be excelled. Prices for pot plants, same as *Asparagus Plumosus* (see above). Prices for Hanging Baskets, see "Hanging Baskets" this page. In 12 inch Japanese Tubs, \$2.50 to \$3.00.

CRYPTOMIUM FALCATUM (*Aspidium*; the Holly Fern). So called because of its bright, glossy green foliage resembling Holly; 4 and 5 inch pots 35 cents to 50 cents.

LOTUS (Japanese). A splendid plant for pot decoration, and especially for window boxes. Very handsome glauca foliage, scarlet flowers, 3 inch pots 25 cents each, \$1.50 per dozen; 4 inch pots 25 cents each, \$2.50 per dozen; 5 inch pots 35 cents each, \$3.50 per dozen; 6 inch pots 50 cents each, \$5.00 per dozen.

NEPHROLEPSIS EXALTATA (The true sword fern). In well grown specimens, the fronds attain a length of 6 to 7 ft., but only one to three inches wide, and, like plumes, arching over in every direction in a most graceful manner; 5 inch pots 50 cents, 6 inch pots 75 cents.

BOSTONIENSIS. Known as the Boston Fern. This is decidedly the favorite for growing in hanging baskets, wall pockets and jardinières. Is one of the very few plants that will thrive under ordinary house care. Its long, broad, arching fronds show to grand effect. In 4 inch pots 50 cents, 5 inch pots 75 cents, 6 inch pots \$1.00. (Prices on hanging baskets, see this page.)

PIERSONI. This beautiful fern originated from the Boston Fern, but has a much more fluffy leaf; is one of the finest for decorative purposes. In 4 inch pots 50 cents, 5 inch pots 75 cents, 6 inch pots \$1.00.

WHITMANI. Commonly known as the Ostrich Plume Fern, because of its heavy plume-like leaves. Very graceful and looks as if two or three leaves were condensed in one; a beautiful plant for house culture. In 5 inch pots 75 cents, 6 inch pots \$1.00.

PTERIS TREMULA. One of the finest for house decoration, growing very rapidly and throwing up large fronds; makes magnificent specimens. Easily grown and very popular; 5 inch pots 50 cents each, 6 inch pots 75 cents each.

We have a choice collection of small ferns which can be used in Fern Dishes for the center of tables, etc. 15 cents each, \$1.25 per dozen. Our stock of hardy ferns for out-door planting includes all the finest varieties for bedding purposes and rockeries; 4 inch pot plants 35 cents each, \$3.50 per dozen.

HANGING BASKETS

There is nothing so attractive on a porch or arbor as a few nice baskets with growing plants. They add to the beauty and value of the home, and break the stiff appearing effect. We can supply 10 and 12 inch baskets, either filled with Boston Ferns or *Asparagus Sprengeri* at \$1.50 and \$2.00 each. Wall pocket, 10 inch, \$1.50 to \$2.00.

JAPANESE FERN BALLS

Of these we have a fine lot of perfect balls. During winter and early spring these are dormant, but on approach of warm weather, they will again burst into growth. Prices, January to April 1st, dormant, 50 cents each; via mail postpaid, 80 cents each. After April 1st, 75 cents each. Fern balls cannot be mailed after April 1.

CHOICE *Germain's* PLANTS

PALMS

CHAMAEROPS EXCELSA (Hardy Fan Palm.) Commonly known as Japanese Fan Palm; very beautiful and especially attractive for its odd, hairy trunk. One of the best street palms and largely planted for that purpose. In gallon cans 25 cents, 35 cents and 50 cents each; 8 inch pots, 12 to 18 inches high (fine decorative plants), \$1.00 to \$1.50 each; in 5 gallon cans \$3.00 each; in large Japanese tubs, specimen plants, \$8.50 to \$10.00 each.

HUMILIS (Dwarf Fan Palm). A hardy dwarf growing palm with small, fan-shaped leaves and spiny stalks. Excellent for lawns where a dwarf palm is desired, also a splendid ornamental plant in pot or tub.

We are overstocked and offer fine strong "balled" plants at the following prices: 1 to 1½ ft. 50 cents to 75 cents; 1½ to 2 ft. \$1.00; 2 to 3 ft. \$1.25 to \$1.50.

COCOS AUSTRALIS (Brazilian Palm). This palm has no rival, being one of rare beauty and very ornamental; long graceful leaves of bluish green color; a pride to any garden; 3 to 4 ft. high in butter tubs, \$3.50 each; large 6 to 8 ft. plants \$25.00 to \$30.00 each.

FLEXUOSUS. A tall growing variety of graceful habit, attaining a height of 80 to 100 ft. Its odd formation of stem and head of beautiful feathery foliage are an ornament to the finest gardens. Plants in 6 inch pots \$1.00 to \$1.25 each.

PLUMOSUS. "The Ornamental Coconut Palm." Native of Brazil. A quick growing palm of tall, slender habit, with smooth trunk and crowned with graceful and finely divided leaves. A beautiful avenue palm. Rather tender and can only be grown in mild sections. Does well along the coast in frostless districts. 2 to 3 ft., \$1.50; larger plants \$2.50 to \$25.

CORYPHA AUSTRALIS (Livistona Australis). A very beautiful decorative palm for house culture. In 6 inch pots, 1½ to 2 ft. high \$1 to \$2; larger plants, in 12 in. Japanese tubs, \$3.50 ea.

CYCAS REVOLUTA (Sago Palm). This noble palm with its dark green leaves, which come out of the top of the plant and uncurl like a cluster of ostrich feathers, borne on a dark brown stem, is one of the best decorative palms, a very slow grower and glossy foliage. Any good garden soil will suit it. Pots should be well drained and water applied sparingly during the winter. Six inch pots \$1.50 each.

DRAECAENA AUSTRALIS. A palm-like tree, growing up to a considerable height. Stout stem. Leaves two to three feet in length. Fine for avenues. In pots 50 cents each, five gallon cans or balled \$1.00 to \$3.00 each.

DRAECAENA INDIVISA. Leaves more narrow and longer than Australis. Nice for lawn or avenue, also for hall and porch decoration. In pots 35c and 50c ea., five gallon cans \$1 to \$3 ea.

ERYTHRA ARMATA (Brahea Glauca: The Blue Palm). A native of Lower California, very hardy. One of the most exquisite fan palms, glaucous blue foliage, and slow grower. In 12 inch Japanese tubs, 3 ft. high \$3.50 each; 4 to 5 ft. high, in large Japanese tubs, \$15.00 each.

EDULIS. One of the finest Fan Palms grown. Deep green leaves and very attractive, slender stem and more graceful than the California Fan Palm. Pot grown plants 50 cents each; 3 to 5 ft. high in 5 gallon cans \$2.50 to \$3.00 each.

KENTIA BELMOREANA. This is the most valuable palm for house culture, being very graceful with dark green pinnate leaves. It grows well, without any extra care, and without a doubt is the best palm to grow in pots. We have a large assortment of sizes: 4 inch pots 75 cents and \$1.00; 5 inch pots \$1.50 to \$2.50; 6 inch pots \$3.50 to \$6.00.

FORSTERIANA. Similar to the above and of equal value as a house plant. Prices the same. Foliage more erect.

PHOENIX CANARIENSIS. (See also page 68.) One of the most beautiful palms for planting on lawns and in parks. The most graceful and handsome of our hardy palms; leaves pinnate and of a very dark green color. Besides being an out-door palm it does fine in the house and on porches where it gets good light. They make a beautiful decorative plant when grown in a pot or Japanese tub. In cans and pots, 8 inches high, 50 cents; 12 to 18 inches 75 cents, and \$1.00; 2 to 3 ft. balled \$2.00 to \$2.50; 3 to 4 ft. \$3.00 to \$3.50; 4 to 6 ft. \$4.00 to \$5.00; 6 to 8 ft., in large Japanese tubs (fine large well established plants) \$6.00 to \$8.00 each. Specially selected in small Japanese tubs 4 to 5 ft. high \$5.00 each.

RECLINATA. "Dwarf Date Palm" (12 to 20 ft.). A graceful palm with drooping leaves and slender stem, but not as hardy as some of the others. Plants 3 ft. high \$3.00 each; large plants in Japanese tubs \$6.00 each.

RHAPHIS FLABELLIFORNIS. "Cane Palms" of China and Japan. The formation of this palm is in the form of a cluster of canes with bunches of fingered dark green leaves borne at the ends. Very ornamental both for a house and out-door plant. In small Japanese tubs \$3.00 to \$5.00 each.

SEAFORTHIA ELEGANS. A beautiful tall growing variety, with long pinnate leaves. A hardy palm in Southern California; 6 inch pots 75 cents to \$1.00; 8 inch pots \$1.50 to \$2.50.

WASHINGTONIA ROBUSTA. The most ornamental palm for street and group planting; exceptionally adapted to our warm southern climate. A favorite in all southern places. It has a very thin stem of dark reddish brown color, while the large fan leaves are a deep glossy green. This palm grows to a height of 75 to 100 ft. In 5 inch pots 25 cents and 35 cents; 6 inch pots 50 cents to 75 cents; 2 to 3 ft. in 5 gallon cans \$1.50 each; 3 to 5 ft. in butter tubs, \$2.50 to \$3.50 each; in large Japanese tubs \$5.00 each.

KENTIA BELMOREANA

PHOENIX CANARIENSIS

YUCCA GLAUCA PENDULA. A very decorative plant for porch decoration. Its head of glauca green leaves with fountain-like appearance gives it a tropical effect. In gallon cans 35 cents to 75 cents each; 5 gallon cans 1½ to 2½ ft. \$1.50 each; in 12 inch Japanese tub (as per cut) \$3.00 each; \$5.00 per pair.

CHOICE *Germain's* PLANTS

CHRYSANTHEMUMS

COLONEL APPLETON

Chrysanthemum plants ready for delivery about April 20; 15 cents each, \$1.25 per dozen. By mail 25 cents per dozen extra.

CULTURAL NOTE—Permit the plants to grow freely during the summer; water well during the dry season, giving an occasional mulch of well-rotted manure. In case the growth is extra rank, cut back during the middle of August; select the best shoots on new growth, pinching off the remainder. A good strong plant will carry from seven to ten shoots, and these in turn should carry one large bloom each. The best variety will produce small blooms, if the disbudding is not well and thoroughly done. Carefully select each bud for blooming, removing all other buds and side growths.

AMATEUR CONSEIL. A fine addition to our list of reds, somewhat lighter in color than Black Hawk, but much larger and finer. Blooms reflexed and twisted.

SCALARANDIS. Is a grand variety. Its excellent dwarf habit, bright golden yellow flowers and heavy over-lapping foliage produce a beautiful effect.

BESSIE GODFREY. A broad petaled canary yellow, incurved, bright and glistening. The form is all that could be desired. Can be grown to enormous size.

BRAUNT. A reddish bronze, incurved of large size. A fine exhibition bloom.

BLACK HAWK. The darkest chrysanthemum extant; when well grown it produces a good medium sized bloom of the darkest shade of crimson it is possible to imagine.

COLONEL APPLETON. A prize winner wherever shown. Flowers enormous in size golden yellow in color. In the east a standard variety for market work. Keeping qualities the best. Unsurpassed at mid-season.

ETOILE DU NORD. This variety stands out pre-eminently as the richest yellow in the collection. It does finely in full sun and produces blooms which are marvels of beauty. The form and general make-up of bloom leaves nothing to be desired. Stems clothed with dark green foliage right up to the flowers.

GOOD GRACIOUS. A standard variety, which throws a fine large bloom. Petals long, narrow and incurving. Makes a huge flower when well grown. Bright pink.

LAVENDER QUEEN. A very large reflexed lavenderpink. Grand in form, foliage and habit.

M. PECHON. An enormous incurved golden yellow. Petals of medium width. Blooms very double and carried on very high stems. Quite distinct in form from other yellows in the set.

MME. A. MARMOTEL. An enormous exhibition variety. Perfectly double flowers. Petals rather narrow and gracefully incurved. Color rosy purple.

MADAM SIMON JOSSIER. A new French variety, and without any doubt one of the grandest of all. It shows a marked advance over the whites of former years. The blooms are of the largest exhibition size, creamy white in color and carried on thick stiff stems. A gem in every sense.

MADAME PAOLO RADAELLI. Creamy white, tinted rose. A deep incurved bloom, with outer reflexed petals. Very large.

MADAM R. OBERTHEUR. A grand white, with immense reflexing and incurved blooms. The petals interlaced and twisted. It is quite different in form and character of build from other whites in the set.

MRS. H. W. RIEMAN. Deeper in color than Golden Wedding. Florets regularly incurved, very double blooms and the latest of all golden yellow varieties to flower. By taking a second bud, it can be had in perfection at Christmas time, when its magnificent bloom commands a high price.

NELLIE POCKETT. A superb variety from Australia and regarded as the highest and most refined type it is possible to produce. Petals very long, drooping and interlaced; of great depth and breadth. Creamy white.

ROI DE ITALIE. Lovely deep yellow flowers of great size and substance. The plant is strong growing, and if planted early it will perfect ten to twelve blooms. Foliage dark green and very leathery in texture.

YELLOW PRINCE. A tawny orange. Belongs to the same class as Good Gracious, being identical in all respects save color.

ROSES

GENERAL COLLECTIONS

Roses listed at 25 cents each are \$2.50 per dozen.
Roses listed at 30 cents each are \$3.00 per dozen.
Roses listed at 35 cents each are \$3.50 per dozen.
Roses listed at 50 cents each are \$2.50 for six.

The Rose is so generally known that little need be said regarding its cultivation, all that is needed being a good, deep, rich soil, liberal manuring and careful cultivation. While there are thousands of varieties of roses grown, we have selected the following as being in our judgment, the very best varieties known. All of our Roses are field-grown and range in height from 18 to 24 inches, measured from the shank up. All roses not listed as "Climbing" are of the bush variety.

NOTE—Between January 1 and March 31, roses are dormant and shipped with naked roots. After April 1, they are "potted" in one gallon cans, as the dormant season is generally over by that time of the year, and the sap has started to flow. After roses are in cans, as above, all 25 cent plants are 35 cents each, \$3.50 per dozen; 30 cent plants are 35 cents each, \$3.50 per dozen; 35 cent plants, 40 cents each, \$4.00 per dozen; 50 cent plants, 60 cents each, \$6.00 per dozen.

The increased cost of handling roses after April 1 necessitates the increase of price as noted. Roses in cans will average 8½ pounds. On shipping orders via Express, we "ball" the plant out of the can on long distance shipments (unless otherwise ordered), to save customers transportation charges. Roses balled by our method will weigh on the average 4½ pounds; naked roots 1 to 1½ pounds. Customers selecting their own roses are respectfully requested to add to the orders a few supplementary varieties, lest, by previous orders, the stock of any particular variety should be exhausted.

ABBREVIATIONS: E. T., means Everblooming Tea Roses; H. T., means Hybrid Tea; H. P., Hybrid Perpetuals; Pol. Polyantha (Baby Roses); Cl. T., Climbing Teas; Cl. H. T., Climbing Hybrid Teas; Cl. N., Climbing Noisette; H. C., Hard, Climbers; Cl. Pol., Climbing Polyantha (Baby Roses).

NEW AND RARE CLIMBING ROSES

CLIMBING BELLE SIEBRECHT (H. T.). A most lovely clear shell pink, an exact counterpart of Belle Siebrecht except in its climbing habit. Very fragrant. A beautiful bud and flower; 50 cents each.

CLIMBING CECIL BRUNNER (Cl. Pol.). An exact counterpart of Mme. Cecil Brunner, except that it is a very vigorous, rapid climber. Its large clusters of rich pink blossoms and pronounced sweet fragrance make it one of the most valuable roses for table and house decorations; 50 cents each.

CLIMBING FRAU KARL DRUSCHKI (H. P.). The best pure white climber grown, often called "Snow Queen." Flowers very large and pure silverywhite with real deep bud; 50c each.

CLIMBING KAISERIN (H. T.). (Mrs. Robert Peary). Hardy ever-blooming climbing, pure white rose, and blooms continuously from the first season. The flowers are large, very double, and exquisitely fragrant. It certainly has no superior; 50c each.

CLIMBING KILLARNEY (H. T.). A climbing variety of the Pink Rose Killarney, the most famous of the Pink Hybrid Teas, and identical in color. A strong, rapid grower, thriving to perfection in the open ground, throwing up shoots ten to fifteen feet in a single season; continuous bloomer. A deep shell pink; 50 cents each.

CLIMBING LA FRANCE (H. T.). Identically the same as the Bush Pink La France, only a strong, rapid climber; 50 cents each.

CLIMBING METEOR (H. T.). A superb, ever-blooming climber. A sport from Meteor, famous for its magnificent flowers; of robust habit, attaining a growth of ten to twelve feet in a single season. Flowers a rich, velvety red; exquisite buds and beautifully formed; 50 cents each.

CLIMBING MME. TESTOUT (H. T.). A beautiful bright clear pink rose, new variety and rapid climber; flowers large and handsome; 50 cents each.

CLIMBING KAISERIN (Mrs. Robert Peary)

CLIMBING KILLARNEY

CLIMBING PERLE DES JARDINS (T.). This free-blooming bright golden yellow rose is equalled by none. Being a hardy variety, it is one of the best climbers in existence, and in great demand; 50 cents each.

DUCHESSE DE AUERSTADT (E. T.). A rich, golden yellow, of good form and an excellent bloomer. Very rare; 50 cents each.

MARECHAL NIEL (Cl. T.). (Climber). A rich, deep golden yellow, of the most delicious fragrance. One of the finest and most popular of all climbing roses; 50 cents each.

PINK CHEROKEE (Climber). A form of the well-known white Cherokee, having every desirable quality of the latter, but blooms more profusely; a beautiful salmon-rose color. Mildew proof. An exceptionally fine novelty in roses, charmingly effective for pergolas, fences, arbors, covering banks and terraces. Adapted to California, Arizona and all milder sections of the country; 50 cents each.

CLIMBING ROSES

GOLD OF OPHIR

NEW AND RARE BUSH VARIETIES

LADY HILLINGTON

- CLIMBING CAPT. CHRISTY** (H. P.). A large, salmon flesh rose, unique for its odd color. Same as bush Christy, excepting in habit of growth; 35 cents each.
- CLIMBING PAPA GONTIER** (Cl. T.). This is a new variety, with the fine form and color of the favorite bush rose of same name; a vigorous grower; 30 cents each.
- CLIMBING WOOTTON** (Cl. H. T.). A handsome velvety-red color, strong grower, and a superior red climbing rose; 30 cents each.
- CLOTH OF GOLD** (Chromatella), (Cl. T.). A large, deep yellow rose, very full, and a free bloomer; hardy; 30 cents each.
- CRIMSON RAMBLER** (Cl. Pol.). Rich, crimson roses in magnificent clusters, every cluster a bouquet. Hardy, rapid grower; 30 cents each.
- DOROTHY PERKINS** (H. C.). A splendid rose with the habit of the "Crimson Rambler." Its color is a beautiful shell-pink, and the sweet-scented flowers are borne in clusters of from thirty to fifty blooms each; 30 cents each.
- GOLD OF OPHIR** (Cl. N.). (Beauty of Glazenwood). A beautiful rose; yellow suffused coppery red. Very full and a free bloomer; 30 cents each.
- LAMARQUE** (Cl. N.). A pure white, continuous bloomer. This is a universal favorite; 30 cents each.
- MADAM ALFRED CARRIER** (Cl. N.). Color, shell-pink, a robust grower and profuse bloomer. A great favorite in this climate; 30 cents each.
- PHILADELPHIA RAMBLER** (H. C.). Quite an improvement on the "Crimson Rambler," the flower being much deeper, and a more intense crimson; 30 cents each.
- REINE MARIE HENRIETTA** (Cl. T.). A strong grower, producing large, handsome buds and flowers of a cherry-red; a free bloomer and very fragrant; 30 cents each.
- REINE OLGA DE WURTEMBERG** (H. T.). Clear cherry-red; fine large double flowers; borne in clusters. A strong, rampant grower; 30 cents each.
- REVE D'OR** (Cl. N.). Yellowish buff in color; a very free bloomer with handsome buds; 30 cents each.
- SINGLE CHEROKEE**. A pure white, showy rose, but not fragrant. It is extensively used for hedges; 30 cents each.
- WHITE BANKSIA** (Cl. T.). Flowers small, white, in clusters on thornless stems; 30 cents each.
- WM. A. RICHARDSON** (Cl. N.). Orange yellow; very distinct; 30 cents each.
- YELLOW BANKSIA** (H. C.). Small yellow flowers on thornless stems; 30 cents each.

- BETTY** (H. T.). A superb variety with unique coloring of coppery tint, shaded with deep golden at the base. Buds long and pointed. Foliage thick and leathery. Price 50 cents each.
- CAPTAIN HAYWARD** (H. P.). One of the largest and best, full bud and cup shaped, with reflexed outer petals and straight standing inner petals, making a rose of striking beauty. Color a rich glowing crimson; 50 cents each.
- DEAN HOLE** (H. T.). Silver carmine with salmon shadings; entirely distinct, and by far the finest of its color; the growth is vigorous, habit branching and remarkably floriferous; the flowers are large, of great substance, and perfect in form, both as to bud as well as when fully expanded. Price 50 cents each.
- ETOILE DE FRANCE** (H. T.). Bright crimson, buds long and graceful, plant is of a strong growing habit, and a good bloomer; one of the best; 50 cents each.
- FRAU KARL DRUSCHKI** (H. P.). The handsomest snow white rose ever introduced; free bloomer, long stems and beautiful foliage; 50 cents each.
- GENERAL MCARTHUR** (H. T.). One of the best ever-blooming varieties, producing great quantities of deep scarlet flowers, and a very robust plant; 50 cents each.
- HELEN CAMBIER** (H. P.). Beautiful canary yellow, with deep peach blossom center, changing to a cream as the flowers open. A handsome bush, a rapid and profuse bloomer all through the season. Flowers large and fragrant; 50 cents each.
- J. B. CLARK** (H. T.). A deep, blackish crimson shading with scarlet. Has the longest stem of any rose. Beautiful foliage and a vigorous grower; 50 cents each.
- KILLARNEY** (H. T.). A beautiful shell-pink rose, fragrant and a free-bloomer. Buds are long and fine for bouquets. The most popular pink rose of the day; 50 cents each.
- LA DETROIT** (H. T.). An excellent rose of recent introduction. Color shell pink, shading to soft rose. Foliage rich and glossy. A rampant grower. Very fragrant; 50 cents each.
- LADY HILLINGTON**. A fine, deep yellow rose, slender and very graceful. Blooms freely. Foliage narrow. Growth rapid and vigorous. Beautiful buds. Very new; 50 cents each.
- MME. ABEL CHATENAY** (H. T.). This splendid rose of novel color, golden pink, flushed with salmon, is a vigorous grower, producing large flowers and magnificent buds. Very rare and fine for use as a cut-flower; 50 cents each.
- RHEA REID** (H. T.). A very handsome rose, large and double. Free blooming, exquisitely fragrant, rich, dark velvety red—several shades darker than Gen. McArthur and a far more beautiful bud. Long stems—fine for cut flowers. Price 50 cents each.

BUSH VARIETIES OF ROSES

PAPA GONTIER

ALICE ROOSEVELT (H. T.). A sport from Mme. Chateney; of brilliant color, red bud, deep pink when open; 35 cents each.

AMERICAN BEAUTY (H. P.). Deep brilliant rose carmine, shading toward the center to a rich carmine-crimson. Very fragrant. Each 35 cents.

BABY RAMBLER (Pol.). A novelty similar to the Crimson Rambler, but the plant is a dwarf, erect-growing bush and a free bloomer; 25 cents each.

BELLE SIEBRECHT (H. T.). A superb pink rose of recent introduction. The buds are long and pointed and when half-open the petals reflex in a graceful manner. 35 cents each.

BESSIE BROWN (H. T.). White, sometimes faintly flushed pink; a rose of transcendent beauty. One of the largest and fullest we have ever seen; an erect and vigorous grower, flowering profusely all summer; 25 cents each.

BLACK PRINCE (H. P.). A blackish crimson, darkest in the bud. As it opens, smoky shades of crimson are brought out, giving it an extremely rich effect; 25 cents each.

BRIDE (E. T.). A white rose of very large size. Its form is perfect and fragrance unexcelled. It is a vigorous grower and a free bloomer; 25 cents each.

BRIDESMAID (E. T.). This is a "sport" from Catherine Mermet, but it surpasses it in color, being a deep bright pink; 25c each.

CATHERINE MERMET (E. T.). A rapid grower, profuse bloomer; long stems, well-developed flower of pink color, shading to flesh; 25 cents each.

CECIL BRUNNER (Pol.). This, the "Baby Rose," is a very small, perfectly formed Rose of pink color, largely used for table decorations; 25 cents each.

CLOTHILDE SOUPERT (Pol.). A polyantha rose; pearly white, shading to white at edge; 25 cents each.

DUCHESSE DE BRABANT (E. T.). One of the most popular pink roses in cultivation; 25 cents each.

ETOILE DE LYON (T.). This is considered one of the finest yellow bedding roses for outside planting; one of the hardest in the Tea section, blooms freely, and every flower is a gem; equals Marechal Neil in size, on strong bushes; color a deep chrome yellow, a remarkable rose, deserving extensive culture; 35 cents each.

DUCHESS OF ALBANY (H. T.). (Red La France). Rich, dark pink, good form, and free bloomer; 25 cents each.

GENERAL JACQUEMINOT (H. P.). Brilliant dark crimson, a most popular rose, quite large; 30 cents each.

GLOIRE DES ROSMANES (Ragged Robin). Without exception, the most constant and free-blooming of all roses; flowering well during the winter season unless checked by frost. Large, semi-double flowers of brilliant crimson hue. Unexcelled for hedge or tall borders; 25 cents each.

GLOIRE DE MARGOTTIN (H. P.). Bright, dazzling scarlet, a very fine flower; 35 cents each.

GRUSS AN TEPLITZ (H. T.). One of the best hardy, ever-blooming roses for outdoor planting; color rich crimson, quickly turning to fiery red. Flowers large and fragrant; a constant bloomer and vigorous grower; 25 cents each.

HELEN GOULD (H. T.). (Baldwin). A deep crimson, hardy and profuse bloomer; 25 cents each.

JUBILEE (H. P.). Deep velvet crimson with red shadings, one of the best dark roses grown; 35 cents each.

KAISERIN AUGUSTA VICTORIA (H. T.). A hybrid tea rose of a soft pearly white color, tinged in the center with lemon. It is very fragrant; a strong, vigorous grower; 25 cents each.

LA FRANCE (H. T.). One of the largest and most beautiful of all roses, both in the bud and in full bloom; peach-blossom color, and of the richest fragrance; 25 cents each.

MADAM LOMBARD (E. T.). An incessant bloomer, and strong grower, producing fine flowers of a rosy-bronze, shaded with carmine. A novelty; very fragrant; 25 cents each.

MAMAN COCHET (E. T.). One of the best for summer-blooming. The buds are of a beautiful, light pink color, which is retained in the open flower. The blooms are delightfully fragrant, and are held erect on long stems; 25 cents each.

MARIE VAN HOUTTE (E. T.). Pale, creamy yellow, edge of petals shaded salmon-pink. 35 cents each.

METEOR (H. T.). This rich, dark crimson rose is becoming more popular every year, owing to its excellent properties as a cut flower variety; 25 cents each.

MME. CAROLINE TESTOUT (H. T.). Brilliant satiny pink; 25 cents each.

MME. JULES GROLEZ (H. T.). Sometimes called Red Kaiserin on account of its similarity of foliage and form of flower. Color cherry red. Free bloomer; 35 cents each.

MME. PERNET DUCHER (The Yellow La France). (H. T.). Flowers semi-double; beautiful buds, which are borne in great profusion; color bright canary yellow; 25 cents each.

MRS. B. R. CANT (H. T.). A beautiful new rose—rich glowing carmine; the buds are large and full; it is a very free grower and bloomer. 35 cents each.

MRS. JOHN LAING (H. P.). A delicate pink of elegant form. Free bloomer and exquisitely fragrant; 35 cents each.

PAPA GONTIER (E. T.). A pleasing cherry-red color toward the edge of the petals, shading to deeper tone at the base. A strong, vigorous grower, with a remarkable fragrance; 25 cents each.

PAUL NEYRON (H. P.). The largest rose grown, the flowers being many inches in diameter. Color pink; long stems; beautiful foliage; 30 cents each.

PERLE DES JARDINS (E. T.). This is a Tea Rose of a rich shade of yellow, and is unexcelled by any rose of its color; large flowers, perfect form, healthy, vigorous grower; 35 cents each.

PRINCE CAMILLE DE ROHAN (H. P.). Very deep crimson. 30 cents each.

RAINBOW, IMPROVED (T.). The color is a lovely shade of deep coral pink, beautifully striped and mottled in the most unique manner with intense glowing crimson, elegantly colored at center with rich golden amber; makes beautiful buds, extra large; 35 cents each.

RICHMOND (H. T.). A grand new hybrid tea rose, strong grower, long stems, choice buds, bright scarlet; 35 cents each.

SAFRANO (E. T.). An old standard variety, highly valued for its handsome buds and flowers; of bright apricot-yellow, changing to orange. A fine outdoor variety; 25 cents each.

SOUVENIR DE PRESIDENT CARNOT (H. T.). Very large, double to the center, and its color is a soft, rosy flesh; 25 cents each.

SOUVENIR DE WOOTTON (H. T.). A beautiful shade of deep crimson, exquisitely fragrant, a constant, prolific bloomer, long stems; 25 cents each.

SUNSET (E. T.). One of the finest Tea Roses grown. It is a large, double, coppery yellow rose of the most delicious fragrance; a very free bloomer; 35 cents each.

ULRICH BRUNNER (H. P.). This is a most excellent rose, both in flower and foliage. The bloom is large, cherry-red and very fragrant. The foliage is almost thornless; 30 cents each.

WHITE BABY RAMBLER (New). Pure white flowers, 35c each.

WHITE LA FRANCE (H. T.). Being a sport from La France, it has the same form and habit. It is pure white, with a rich fragrance; 25 cents each.

WHITE MAMAN COCHET (E. T.). A pure white, hardy, ever-blooming rose of superior size, fragrance and profusion. Rivals the best; 25 cents each.

WINNIE DAVIS (H. T.). An apricot pink shading to a flesh tint at the base of the petals; the buds are oblong and well formed—a vigorous free-blooming rose. Price 35 cents each.

STANDARD OR TREE ROSES

We can supply a fine grade of Tree Roses, budded on single stems, three to four feet from the ground; \$1.25 each.

CLIMBING AND TRAILING PLANTS AND GRASSES

AMPELOPSIS QUINQUEFOLIA (Virginia Creeper). A rapid grower, and one of the best deciduous vines. Clings to the wall or fence without being tied; 25 cents and 35 cents.
VEITCHII (Boston or Japanese Ivy). A deciduous climber of great prominence; rapid grower and self-supporting to the wall; hardy and thrives well in any good soil; leaves dark green in summer, turning to lovely shades of red and bronze in the autumn; 25 cents and 35 cents.
BIGNONIA TWEEDIANA. For covering walls and out-buildings this is one of the best vines, being of clinging habit; flowers clear yellow; 25 cents and 35 cents each.
VENUSTA. The most popular of the Bignonias. Dark green leaves and great quantities of orange-yellow flowers, which come in clusters; 35 cents and 50 cents.

BOUGAINVILLEA

This beautiful climbing plant, with its luxuriant growth and great abundance of showy flowers which are produced in masses, colors ranging from a delicate lavender to a deep magenta, and brick-red, is undoubtedly the most popular climbing evergreen plant in cultivation. It is a free bloomer and does remarkably well when planted in a warm exposure.

BRAZILIENSIS. A very fine variety, blooms continually. Color about the same as *Sanderiana* and heavier foliage. The most rapid grower; four inch pots (mailing size) 25 cents each, gallon cans 50 cents, five gallon cans \$1.00 and \$1.50 each.

GLABRA SANDERIANA. Color, a rich magenta. Plants in 4 inch pots 35 cents each, 6 inch pots or gallon cans 50 cents to 75 cents each; large plants in 5 gallon cans \$1.25.

LATERITIA. A rare and distinct variety; does very well where there is no frost and plenty of sun. The flowers are of a peculiar shade of red and greatly admired. Price, 12 to 18 inch, \$1.50; 18 to 24 inch \$2.00; 2 to 3 ft. \$3.50; 3 to 4 ft. \$5.00 and \$6.00.

SPECTABILIS. Color, carmine-purple. Plants in 4 inch pots 50 cents each, 6 inch pots or gallon cans 75 cents to \$1.00.

COBAEA SCANDENS. A rapid climber, with purple bell-shaped flowers; 25 cents each.

White. Similar to former in habit of growth; 25 cents each.

DOLICHOS (Australian Pea Vine). A most desirable vine for covering fences and outbuildings. A very rapid grower and covers in very thickly; requires no extra care, and blossoms the year round; flowers pea-shaped, rosy-purple; 3 inch pots 15 cents each, \$1.50 per dozen; 4 inch pots 20 cents each, \$2.00 per dozen.

FICUS REPENS (Climbing Rubber). This is most excellent for brick or stone walls and fences. All but the fruiting branches lie perfectly flat against the wall, making a perfect mosaic; 20 cents each, \$2.00 per dozen.

HEDERA HELIX (English Ivy). Too well known to need describing. The thick, glossy green foliage and sturdy growth of this vine has made it a universal favorite; 4 inch pots 25 cents and 5 inch pots 35 cents each; larger plants in gallon cans 50 cents each.

HELIOTROPE. See page 82.

HONEYSUCKLE. See Lonicera.

IVY. See Hedera.

IPOMOEA LEARII. (Blue Moon Flower). 3 inch pots, 25 cents each.

MEXICANA GRANDIFLORA ALBA. (True White Moon Flower). 3 inch pots, 25 cents each. (See cut page 50).

JASMINUM GRANDIFLORUM. White. Blooms almost perpetually during the summer and fall. One of the best whites; 25 cents and 35 cents.

GRACILIS. White; a very graceful vine with great quantities of very fragrant flowers; 25 cents each.

PRIMULINUM. Flowers very large, rich golden yellow in color, measuring two inches in diameter; 50 cents.

REVOLUTUM. A vigorous variety; can be grown as vine or shrub; covered with rich yellow flowers all summer; 25 cents and 35 cents.

LONICERA HALLIANA (Hall's Japan). Evergreen, vigorous, climber. Flowers pure white, changing to yellow, very fragrant, flowering very heavily during the summer and fall; 25 cents and 35 cents.

JAPONICA AUREA RETICULATA (Japanese Golden-Netted Honeysuckle). Flowers yellow, very fragrant. Evergreen; 25 cents and 35 cents.

SINENSIS (Chinese Honeysuckle). White and pink; very fragrant. One of the best hardy climbers in cultivation; thrives well any place, and a free bloomer; 25 cents and 35 cents each.

MANDEVILLA SUAVEOLENS (Chili Jasmine). White, very fragrant; deciduous; 35 cents each.

MUEHLENBECKIA COMPLEXA (Wire Vine). Rapid growing twining vine, with dark wiry stems and tiny leaves. Sometimes called Maiden Hair Vine. Fine for covering fences, trees, arbors, etc.; 25 cents.

PASSIFLORA (Passion Vine). (See cut page 51.) We can supply these favorite vines in the following colors: scarlet, white, pink and lavender; 35 cents each.

PLUMBAGO. (See page 82.)

POTATO VINE. See Solanum.

ROSES. (See Climbing Roses, pages 86 and 87.)

SMILAX. A well-known climbing plant much used in floral work, festooning, etc. From flats; 5 cents each, 50 cents per dozen. Fine plants from 3 inch and 4 inch pots 10 cents, \$1.00 per dozen and 15 cents each, \$1.50 per dozen.

SOLANUM JASMINOIDES (Potato Vine). A very rapid growing vine, with dark green leaves. Flowers white with yellow centers; 25 cents and 35 cents each.

WENDLANDII. A splendid climber with delicate light blue flowers and large green leaves; deciduous; 35 cents to 50 cents each.

TECOMA AUSTRALIS. Rampant grower, elegant thick foliage, flowers small, but produced in great profusion. Color creamy white.

GRANDIFLORA (Chinese Trumpet Vine). One of the best deciduous vines. The large beautiful trumpet-shaped blossoms of bright orange scarlet are produced in great quantities all summer. Plants 50 cents each.

CAPENSIS. Bright scarlet flowers. A fine plant for the sunny-side of the house; 35 cents and 50 cents.

JASMINOIDES. White and purple; 25 cents.

MACKENNI. A very vigorous growing vine, and free bloomer; pink flowers; 25 cents and 35 cents each.

RADICANS (American Trumpet Vine). A strong growing vine, more slender than the *Grandiflora*. The flowers are longer and narrower. Rich scarlet color; 35 cents and 50 cents.

TRADESCANTIA (The Wandering Jew). Very fine decorative plants, of which we grow two varieties. They are fine for hanging baskets, for jardinières and vases. They will cover the ground quickly if grown on partial shade. Colors green and variegated; 3 inch pots 15 cents each; \$1.50 per dozen. Cuttings 35 cents per dozen, \$2.00 per 100.

WISTARIA SINENSIS. Light blue; the best of all deciduous climbers. Flowers in early spring. This beautiful Japanese plant has no equal; long racemes of most attractive flowers. Small plants 50 cents; large size \$1.00 each. (See cut, page 51.)

ALBA. Same as preceding, but with white flowers; 50 cents to \$1.00 each.

MULTIJUGA ALBA AND COERULEA. Are grafted on the common varieties, consequently are vigorous growers and free bloomers. The racemes of flowers often attain a length of two feet; deciduous; \$1.25 to \$2.00 each.

GRASSES

GYNERIUM ARGENTEUM (Pampas Grass). Well known. Makes a fine tropical effect. Useful for planting on lawns. Small clumps 50 cents, large \$1.00 each.

LIPPIA REPENS (Creeping Lippia). An excellent lawn grass. Does well where blue grass or clover does not thrive. Used for lawns, parkings, tennis courts, etc. Requires much less care than other lawn materials. In flats, enough to cover about 100 square feet, \$1.00 each; \$8.00 for 10 flats.

MESEMBRYANTHEMUM. In flats (100 plants) \$2.00.

PAPYRUS ANTIQUORUM. Used by the ancient Egyptians in the manufacture of paper. A tall, graceful plant, very ornamental. Prefers a moist situation. In gallon cans 50 cents each. Large plants in 5 gallon cans \$1.00 to \$1.50.

AQUATIC PLANTS

WATER HYACINTH—15 cents and 25 cents each.

PARROT FEATHER—5 cents each, 50 cents per dozen.

WATER LILY—75 cents each.

JAPANESE TUBS

JAPANESE TUBS

We always carry a large assortment of Japanese tubs for porch plants, in four sizes, varnished:

8 inches in diameter.....	\$0.50 each
12 inches in diameter.....	.75 each
20 inches in diameter.....	1.50 each
16 inches in diameter (very scarce) ..	2.50 each

LEAF MOULD

We very often have calls for a fertilizer for ferns and bedding plants, and there is no fertilizer in comparison to the leaf mould, as it enriches the soil, making it loose and porous—just what the plants need; it's merely bringing the natural resources into your own garden; 75 cents per sack.

CHOICE *Germain's* PLANTS

BEDDING AND BORDER PLANTS

ACHYRANTHUS. Deep bronzy purple foliage. A splendid bedding or border plant. Produces a very rich effect and may be trimmed to any desired shape. Strong plants from flats 50 cents per dozen, \$3.00 per 100.

AGAPANTHUS UMBELLATUS (Blue African Lily). Flower-stalks 2 or 3 ft. high; from 30 to 100 lily-like flowers of a lively sky-blue color. Too large to mail; 50 cents each.

ALTERNANTHERA. These are fine foliage plants for carpet bedding, edges of beds, park designs, etc. Two colors, yellow and red; 25 cents per dozen; \$2.00 per 100.

ASTERS

(See illustration and description page 42.)

ASTERS (Giant Comet Branching). A wonderful improvement over the common sorts. The color effect must be seen to be appreciated. The blossoms in size and beauty resemble the chrysanthemum, the curved petals making a brilliant display; fine for cut flowers; 25 cents per dozen, \$2.00 per 100.

BEGONIAS

All the species of Begonias are interesting and beautiful ornaments adapted for the conservatory or window, and well adapted to amateur cultivation, their culture being very simple in any rich soil if allowed an abundant supply of water. Our assortment of these magnificent plants includes all the best sorts for out-door bedding and house culture, beautiful flowering varieties, and the much admired Rex Begonias. We can supply fine plants as follows:

BEDDING VARIETIES. Three inch pot 10 cents, \$1.00 per dozen.

FLOWERING VARIETIES for the house; 4 inch pot 35 cents, 5 inch 50 cents, 6 inch 75 cents each.

REX VARIETIES. Five inch pot 50 cents, 6 inch 75 cents each; 7 inch \$1.00 to \$1.50 each.

CANNAS

Price, unless otherwise noted, strong dormant roots, each 25 cents; per dozen \$2.50.

CH. DREVET. A very distinct Poinsettia red. Growth medium as to height and very compact. Foliage light green.

COMTESSE DE BRETEUIL. Very large blooms of a distinct shade of rose. Late in season it comes edged with gold, producing a striking contrast. Clean dwarf growth. Extra good.

ERNST WIELAND. One of the best pure orange scarlets, with blooms of remarkable size. Foliage thick and leathery.

E. STEINKOFF. A giant flowered variety of great merit; in fact largest flower we have ever seen in the Crozy class. Color rich crimson scarlet, heavily spotted with vermilion. In full sun the flowers appear to be burnished. Petals of enormous breadth and length. Foliage purplish bronze. Extra fine.

FRAU GENERAL VAN ALTEN. A very fine sort. Color a rich cinnabar red, the edge of each petal bordered with gold. Flowers have four very large petals of fine form and substance. Foliage light bronze.

FRAU MARIE NAGEL. The nearest approach to white yet attained in the cannas. Flowers of good size; trusses large and branching. At a distance this variety appears white, and for all practical purposes in color effect it can be so used. Foliage green. Habit dwarf.

FURST WEID. Pure crimson, of a clean even shade; below the average in dwarfness. The trusses clear nicely, giving the plant a clean appearance at all times. Price 25 cents.

MRS. KATE GRAY. The first hybrid between the Crozy and Orchid flowering classes. Flowers gigantic in size. Color rich orange scarlet, overlaid with gold. The trusses are always bright and fresh.

KARL RADE. Citron yellow, densely spotted with light red. Blooms large and four-petaled. Foliage green.

KARL SCHMIDT. Light orange red. Flower perfect in form and composed of four large, well-rounded petals. Foliage light bronze. A very effective bedding variety.

RUDOLPH PROWE. We believe this variety to be the most richly colored canna in existence, in fact it would be difficult to imagine anything better. The blooms are only of medium size, but are carried well above the foliage in immense trusses. The color is an absolutely vivid crimson, with velvety lustre.

R. WALLACE. A superb light canary yellow. Flowers enormous and carried in upright, well-branched trusses. The height of growth is only medium but its compact nature gives the plant in bloom the appearance of a huge bouquet. The very finest yellow to date. Each 25 cents; per dozen \$2.50.

CENTAUREA CANDIDISSIMA (Dusty Miller). A useful border plant with silvery white foliage. As an edging for scarlet Geraniums, etc., it has no equal. Price 50 cents per dozen.

COLEUS. We grow a large assortment of these beautiful decorative plants; 15 cents, 25 cents, 35 cents and 50 cents each.

COLUMBINE. A very showy bedding plant; 1½ ft. high, blooming freely during spring and early summer; fine for cutting; 3 and 4 inch pots 15 cents each; \$1.50 per dozen.

COREOPSIS LANCEOLATA The best bedding plant for show. A rapid grower and produces great quantities of handsome golden yellow flowers all summer; long stems and a favorite for cutting; 10 cents each, \$1.00 per dozen, \$6.00 per 100.

CARNATIONS

From 3 inch pots 75 cents per dozen. By mail 25c extra.

MRS. THOS. LAWSON CARNATION

ALLEGRIA. The very best bright scarlet variety; a strong grower, long stems and very thrifty.

JAS. CORBETT. A splendid, strong-growing variety, producing great quantities of large, handsome flowers; salmon-pink.

DR. CHOATE. This beautiful, light scarlet variety should be in every garden; one of the best for general purposes; very fragrant.

ELDORADO. A beautiful light yellow carnation borne on long stems. Very thrifty and blossoms profusely.

ENCHANTRESS, PINK. The grandest of all carnations; the flowers are the largest and borne on long stems; color a beautiful shade of light pink.

ENCHANTRESS, WHITE. One of the best large white carnations, similar in size and character to Pink Enchantress.

FAIRMAID. Shell pink, one of the best Pink Carnations grown. It is excellent for cut flowers and is sold by all leading florists.

HARLOWARDEN. Rich, velvety crimson, producing a great abundance of very large flowers, delightfully scented.

LOS ANGELES. Most beautiful pure white carnation; plants bushy and compact; a strong grower, producing great quantities of fragrant flowers on long stems.

MRS. THOS. LAWSON. This popular carnation is well known for its large, beautiful flowers of rich pink, on long stiff stems; a strong grower and one of the best.

PROSPERITY. Another one of the giant flowering sorts, being very full and fragrant; color white blotched with pink.

ROOSEVELT. The best bright crimson, excellent flowers and produced in great abundance.

VARIEGATED CORBETTE. Large white, with pink splashes through the petals.

DAISIES

ENGLISH. One of the best border and bedding plants. Dwarf; mixes well with pansies and other low growing plants; free bloomer. Colors, white, pink and red; 25c per doz; \$2 per 100.

MARGUERITE. A fine bedding plant. White blossom with yellow center. Height two to three feet; 10c each, \$1 per doz.

MARGUERITE ALEXANDRIA (New). A great improvement over single varieties. The center, instead of being yellow, is filled with small white petals, leaving a double effect; 25 cents each, \$2.50 per dozen.

BURBANK'S GIANT SHASTA. A vigorous growing perennial plant of great value, both for decorative and commercial purposes. The large pure white flower, with their yellow center and long stems is rapidly becoming one of the best for cut flowers. A very free bloomer and greatly admired; should be in every garden. Strong young plants 10 cents each, \$1.00 per dozen, 15 cents each, \$1.50 per dozen. Large plants 25 cents each, \$2.50 per dozen.

TRANSVAAL (Gerbera Jamesonii). This magnificent scarlet Daisy, practically new to the average person, is rapidly coming to the front, due to its great attractiveness and flowering merits. The keeping qualities of the flower when cut are wonderful and the dazzling scarlet color gives a rich effect when used for decorating. Thrives best in rich loamy soil and sunny location. Strong plants 50 cents each.

CHOICE *Germain's* PLANTS

BEDDING AND BORDER PLANTS (Continued) CACTUS DAHLIAS

CACTUS DAHLIA

These magnificent flowers are as easily grown as the "Decorative Dahlias," but surpass them in beauty and gracefulness of form. The petals of some of the varieties are peculiarly twisted, giving them more the appearance of Chrysanthemums in marked contrast to the stiff petals of the old-fashioned sort. Price 25 cents each or \$2.50 per dozen.

A. C. DAVIS. A lovely medium sized bloom; in color a delicate shade of lavender pink.

COCKATOO. Variable in color arrangement, but always beautiful. In fact, one of the finest fancy Cactus Dahlias. Clear canary yellow, shaded fawn and tipped pure white.

EARL OF PEMBROKE. A nicely built flower, composed of numerous petals of a good clean shade of purple. It shows off well under artificial light, which makes it useful for decorative work.

E. BONNEFOND. This superb variety is undoubtedly one of the finest scarlet Cactus Dahlias in cultivation. The blooms are of enormous size, perfection in form, and of an intense scarlet color.

GREENS WHITE. A lovely pure white with long tapering petals. Flowers of medium size.

HOHENZOLLERN. Apricot yellow. The color is well displayed in the large incurving blooms. Extra choice.

KING OF SIAM. Intense glowing scarlet. Flowers very large, with beautifully arranged petals.

MRS. CARTER PAGE. A splendid shade of deep crimson. The petals are so curved and narrow that the flower has more the appearance of a chrysanthemum. Extra choice.

PRIMROSE. Light sulphur yellow, with splendid stems and flowers carried well above the foliage. Free bloomer.

PROGENITOR. Beautiful carmine crimson lake, every petal being furcated at the end like a stag horn fern, and forming several points, each having a fluted termination. Very fine.

THE PILOT. This variety is another good representation of the new shades developed in Cactus Dahlias during recent years, and is worthy of being in the most select collection. Terra cotta, with the base of the petals deep yellow.

RUBY GRINSTEAD. A fine exhibition variety. The color is a soft tinted yellow, gradually merging to rosy fawn at the tips. Flowers large and of striking form. Extra good.

THURINGIA. A very large and elegantly formed bloom. Petals long and narrow. Color bright orange red.

WM. CUTHBERTSON. Deep crimson, with excellently formed blooms. A good cut flower, on account of its long, wiry stem.

GERANIUMS

Choice Single Varieties

10 cents each, \$1.00 per dozen, \$8.00 per hundred

GERTRUDE PEARSON. Brilliant clear rose pink, white eye.

JACQUERIE. Large, attractive flowers with rich, velvety color.

JOHN FORBES. A very good dwarf variety, good bushy foliage.

Excellent bedding and pot plant. Color, vivid scarlet.

JEAN VIAND. Large, semi-double, rosy-pink flowers, with white eye. Blooms entire season. Similar to Gertrude Pearson, but larger blossoms.

SNOW DROP. A pure white. Perfectly round flowers, dwarf habit. The most beautiful white geranium grown.

GENERAL GRANT. Bright vermilion scarlet, full, round florets, borne in large trusses on long stems, strong and vigorous.

CHOICE DOUBLE VARIETIES

10 cents each, \$1.00 per dozen, \$8.00 per hundred

BEAUTE POITEVINE. Enormous blossoms, soft salmon pink color, shading deeper toward center.

LA PILOT. Orange scarlet, medium size flowers. A favorite for the distinguished coloring.

MADAME A. CHEVRELIERRE. The best double white grown.

S. A. NUTT. Best of the dark crimson-scarlet. Stands the sun perfectly and always covered with a mass of blooms.

MISCELLANEOUS GERANIUMS

75 cents per dozen; \$6.00 per 100.

APPLE BLOSSOM. Soft, delicate foliage; small, white flowers shaded with pink, with odor of the apple blossom.

IVY-LEAVED GERANIUM. Fine for window-boxes, bedding or hanging baskets. Can supply excellent plants in the pink, red, and white colors; 15 cents each, \$1.50 per dozen.

MADAME CELEROY. For border. Variegated silver and green foliage. Grows about six to eight inches high.

ROSE GERANIUM. Small flower. Popular for its scented foliage.

GOLDEN FEATHER (Pyrethrum). Deeply fringed and cut foliage, with compact habit of bright golden yellow color. A fine plant for edging beds. 25 cents per dozen, \$2.00 per 100.

LOBELIA (Crystal Palace). A splendid dwarf variety, covered during the spring with masses of ultra-marine blue flowers. 50 cents per dozen, \$2.50 per 100.

PELARGONIUM

PELARGONIUM or "Lady Washington Geranium," as it is commonly called. The flowers are large and free blooming, comprising a series of colors which are beautiful beyond description; 20 cents each, \$2.00 per dozen.

PANSY

PANSY (See front cover and cut page 60). No garden is complete without this most beautiful flower. Our strain of Giant Flowering varieties embraces all the choicest colors. Nothing is so attractive as a bed of nice Pansies. 25c per doz, \$2 per 100.

PENSTEMON

PENSTEMON. For show and cut flowers, this is among the best. A perennial plant with flower stalks 18 inches to 3 ft. long. Being constantly in bloom, makes it a valuable decorative plant. Every lover of flowers should have a bed of our Giant Penstemons; 15 cents each, \$1.50 per dozen.

PETUNIA

PETUNIA (See cut, page 61). We have the very finest double and single large flowering fringed varieties. These can be grown successfully out-doors, and as a free blooming plant for beds, they have no superior; 15 cents each, \$1.50 per dozen.

PHLOX (See cut page 46.)

PHLOX (Perennial). Our collection of these beautiful spring and summer flowers comprises all the best flowering varieties and colors. Strong field grown clumps at 20c each, \$2 per doz.

SALVIA

SALVIA SCARLET. A bed of this excellent summer bedding plant when in full bloom, with its spikes of bright scarlet flowers and green foliage, makes a striking effect, and must be seen to be most appreciated; 10 cents each, \$1.00 per dozen.

PATENS. Similar to the former in many respects, but being blue, is hardly so attractive. 10 cents each, \$1.00 per dozen.

SANTOLINA

A well-known and useful border plant, which may be trimmed into neat little hedges. Growth short jointed, compact and silvery white in color; 25 cents per dozen, \$1.75 cents per 100.

VERBENA

VERBENA. A fine bedding plant, with running habit. Often used in parkways. Colors in scarlet, purple, pink and white. In flats \$3.00 per 100; two and a half inch pots 50 cents per doz.

STOCKS (See cuts page 49.)

STOCKS. A fine bedding or border plant, with spike-shaped flowers. Colors, crimson, flesh, pink, white and lavender; 25 cents per dozen, \$2.00 per 100.

VIOLETS

CALIFORNIA. Grown all over the country for cut-flowers. Flowers very large and fragrant; stems often a foot long; 50 cents per dozen.

PRINCESS OF WALES. The largest Violet in cultivation. The flowers open out flat, similar to a pansy, and are deliciously fragrant. Productive long-stemmed variety; 50c per dozen.

SWANLEY WHITE. Color, white; very fragrant. 50c per doz.

POULTRY *Germain's* SUPPLIES

INCUBATORS

Queen

BROODERS

For a dependable hatcher that will operate under varied conditions with uniformly good results, the Queen Incubator is unexcelled. We can highly recommend this machine and guarantee it to do all that is claimed for it, and judging from the enviable reputation it has established for itself, it surely is making good.

There are **twenty-eight reasons** why the Queen excels all other makes regardless of price. Many others sell for fifty to one hundred per cent more than we ask for the Queen. The Queen is the Standard Hot Water Incubator of the world, and so much as hot water excels hot air for heating, just that much is the Queen superior to any hot air machine.

ASK FOR CIRCULAR DESCRIBING IN DETAIL QUEEN INCUBATORS.

No. 2. 110-130 EGG SIZE QUEEN INCUBATOR

Queen construction is the best: California redwood case, double wall, and double lined with heavy deadening felt; double doors, inner one glass, giving full view of egg chamber; jacketed copper boiler and radiator, lock seam joints heavily soldered; galvanized steel seamless lamp bowl, heavy brass burner of our own special design to meet incubating requirements; automatic heat regulator adjusted at factory under actual incubating temperature; long substantial legs, no stooping to turn eggs; self-supporting egg trays and chick drawers, deep nursery to care for baby chicks when first hatched; ventilation—automatic with adjustment for hatching time and hot weather; adjustable metal lamp shelf; metal egg tester; funnel; special mercury incubator thermometer; big twenty-four page instruction book which tells how to set up and run the Queen for big results and also gives a large amount of information useful to the chicken raiser.

These are but a few of the twenty-eight special features to be found on the Queen.

Every part of the Queen is designed for utility and durability, do unnecessary expense for labor and material. Result: An economical incubator in every respect.

Enormous factory output saves you money in first cost. Forced water circulation with large heating and radiating surface and dead air space insulation saves operating expense. Big per cent hatches of livable chicks of high vitality result from accurate regulation of the soft, even heat from the copper radiator, which does not vitiate the air in egg chamber nor dry up the eggs, makes the Queen the most profitable to buy.

PRICES FREIGHT PREPAID TO YOUR NEAREST RAILROAD STATION

QUEEN INCUBATORS

No. 1, 60 to 70 egg size	\$13.00
No. 2, 110 to 130 egg size	16 00
No. 3, 160 to 180 egg size	20 00
No. 4, 220 to 240 egg size	24 00
No. 5, 340 to 360 egg size	30 00
No. 25, 520 to 540 egg size	40 00

For a mother that is always on the job the Queen Brooder has no equal. Made in all styles, both indoor and outdoor, lamp-heated and lampless, sizes 50 to 200 chicks. Hatch your chicks in a Queen Incubator, raise them in a Queen Brooder to get the most profit from your poultry yard.

No. 10. 100 CHICK SIZE LAMP HEATED OUTDOOR BROODER

The Queen Outdoor Lamp-Heated Brooder is furnished complete with galvanized steel lamp bowl with steel chimney and heavy brass burner with removable gauze, lamp seat, galvanized heating drum, automatic ventilation, sliding ventilators, best mercury thermometer with holder, metal drinking fount, covered runway with hinged top, felt hover curtain, galvanized steel top, nails, screws, hooks and eyes, and hinges for setting up brooder, and instructions how to set up and operate and how to raise baby chicks.

PRICES FREIGHT PREPAID TO YOUR NEAREST RAILROAD STATION

QUEEN OUTDOOR LAMPHEATED BROODERS

No. 10, 100 chick size	\$14.00
No. 11, 150 chick size	16 00
No. 12, 200 chick size	18 00

THE QUEEN OUTDOOR LAMPLESS BROODER

is built along the same lines as the lamp-heated. It is made to stand the weather and has given the best of results under the most trying conditions. It is furnished complete with galvanized steel hot water pan, sliding ventilators, metal drinking fount, funnel, heavy flannel hover cloth on frame, felt hover curtain, muslin sun hover on frame, galvanized steel top hinged, covered runway with hinged top, nails, screws, hooks and eyes, and hinges for setting up brooder, and instructions how to set up and operate to raise baby chicks the lampless way.

PRICES FREIGHT PREPAID TO YOUR NEAREST RAILROAD STATION

QUEEN OUTDOOR LAMPLESS BROODER

No. 30, 100 chick size	\$12.00
No. 31, 150 chick size	14 00
No. 32, 200 chick size	16 00

The Queen Indoor Lamp-Heated Brooder is furnished complete with galvanized steel lamp bowl with steel chimney and heavy brass burner with removable gauze, lamp seat, best mercury thermometer with holder, metal drinking fount, felt hover curtain, front door curtain, one-inch mesh poultry netting for runway, wind guards, nails, hooks and eyes and buttons for setting up, and instructions for raising baby chicks successfully.

PRICES FREIGHT PREPAID TO YOUR NEAREST RAILROAD STATION

QUEEN INDOOR LAMP-HEATED BROODERS

No. 6, 50 chick size	\$ 8.00
No. 7, 100 chick size	9 00
No. 8, 150 chick size	10 00
No. 9, 200 chick size	11 00

THE QUEEN INDOOR LAMPLESS BROODER

is built for use in connection with some sort of a shelter. It consists of a complete hover chamber with both fixed and adjustable ventilation. It is furnished complete with galvanized steel hot water pan, sliding ventilators, metal drinking fount, funnel, heavy flannel hover cloth on frame, and instructions for operating to raise baby chicks successfully.

PRICES FREIGHT PREPAID TO YOUR NEAREST RAILROAD STATION

QUEEN INDOOR LAMPLESS BROODERS

No. 26, 50 chick size	\$5.00
No. 27, 100 chick size	6 00
No. 28, 150 chick size	7 00
No. 29, 200 chick size	8 00

CYPHER'S INCUBATORS AND BROODERS

WE CARRY A FULL LINE OF CYPHER'S POULTRY SUPPLIES. ASK FOR CIRCULAR.

FREE—For the asking, Cypher's Complete Catalogue and Poultrymen's Guide.

INCUBATORS

STANDARD
CYPHERS INCUBATOR
Fire Proofed-Insurable.

**AUTOMATIC
NON-MOISTURE
SELF-
VENTILATING
SELF-
REGULATING
FIRE PROOFED
INSURABLE
GUARANTEED**

INCUBATORS

For 1912 we offer our customers the Cyphers advanced line of incubators and brooders. For years the Cyphers incubator has been the leader in English speaking countries, constantly improving and maintaining its lead, and today it represents the best in incubators. The principles of construction remain unchanged. Their patented features, their entire freedom from the bothers, disappointments and losses common to the "cheap" incubator, make these machines the standard. They are today used by more Government Stations, on more large, practical poultry plants, on more successful duck and egg farms, and by a larger number of foremost poultry breeders than all other makes combined. Especially adapted to the Pacific Coast climate and weather conditions. We request that you inquire of any Pacific Coast man who owns one to verify our statements.

GUARANTEE

Every Standard Cyphers Incubator is guaranteed by the manufacturers, and we hereby place our guarantee back of theirs, in these principal items:

Automatic—To be easy to set up and positively automatic in operation (except as to trimming the wick, filling the lamp and turning the eggs), and to operate with less labor and expense than any other make of incubator.

Non-Moisture—To require no supplied moisture, under normal conditions thus solving and disposing of the troublesome "moisture question."

Self-Ventilating—To be self-ventilating, the air in the egg chamber remaining pure at all times by its own gentle but positive action.

Self-Regulating—To be self-regulating, being equipped with the most sensitive and durable regulator thus far invented.

Satisfaction—That each and every Standard Cyphers Incubator we send out will do satisfactory work in the hands of the purchaser, provided he will give it a fair trial, or it can be returned to us within ninety days, in good repair less reasonable wear, and the purchase price will be refunded.

INSURABLE—FIREPROOFED

Form of Numbered Brass Label on every
standard Cyphers Incubator

The Cyphers safety lamp enclosure combined with the superior heater, makes this incubator a fireproof one. The proof of this lies in the insurability of the Cyphers and the right to use the official label. Insist on having this label on your machine.

SIZES AND PRICES OF CYPHERS FIREPROOFED INCUBATORS

No. 0 Holds 70 Eggs.....	\$17.00
No. 1 Holds 144 Eggs.....	24.00
No. 2 Holds 244 Eggs.....	34.00
No. 3 Holds 390 Eggs.....	40.00

These prices are free on board cars, Los Angeles, Cal.]

COMBINATION BROODERS AND COLONY COOPS

**GUARANTEED
AUTOMATIC
SELF-
VENTILATING
SELF-
REGULATING
FIRE PROOFED
INSURABLE**

CYPHERS STYLE B OUTSIDE BROODER

COMBINATION BROODERS AND COLONY COOPS

The Brooder is built with the same care and attention as are the incubators, and for particulars as to guarantee in so far as they relate to their being automatic, self-ventilating, self-regulating, fireproofed and insurable, we beg to refer you to our statements under the heading of incubators. Convertible in addition to these excellent features, this brooder is easily converted into a colony coop by simply removing the hover. This double use of the brooder means considerable saving of money to you; a safe and convertible inclosure for the young chicks at night. They can be used outdoors as well as indoors, although we have a special brooder for indoor purposes. It is often said that the Cyphers Brooder mothers the chicks better than a hen.

SIZES AND PRICES OF CYPHERS FIREPROOFED BROODERS

Style A Outdoor Brooder—75 chicks.....	\$15.00
Style B Outdoor Brooder—100 chicks.....	19.00
Style D Indoor Brooder—75 chicks.....	14.00

These prices are free on board cars, Los Angeles, Cal.

HOVERS

CYPHERS COMPANY ADAPTABLE HOVER

We feel called upon to make special mention of the Cyphers Adaptable Hover, designed for use anywhere where heat is required for brooding chicks. The best device ever invented for heating homemade brooders, and is especially recommended for use in large brooding houses.

Price of this Adaptable Hover (75 chicks), \$10.00

**BONNELL'S S. C. BLACK
MINORCAS
SILVER CAMPENES AND
PARTRIDGE ROCKS
"WIN EVERY TIME"
AT CALIFORNIA'S LARGEST
SHOWS
WRITE ME FOR PRICES ON
STOCK AND EGGS FOR
HATCHING**

**C. C. BONNELL
2917 Brighton Ave.
Los Angeles, Cal.**

COULSON'S POULTRY FOODS AND REMEDIES

Coulson's EGG FOOD

Coulson's Egg Food is manufactured in Petaluma, Cal., where there are more chickens than in any other equal area in the world. It is the best and only successful balanced ration for Dry Hopper Feeding; is best when kept before the fowls dry in the hopper all the time. It may also be fed wet as a morning mash, whether for Chickens, Pullets, Hens, Cockerels, Capons, Ducks, Turkeys or Geese. All the ingredients it contains are of the best, and it is therefore especially valuable as a food for breeding fowls and ducks. Price per sack of 90 pounds \$2.45. Ton prices on application.

Coulson's IMPROVED EGG FOOD

Coulson's Improved Egg Food is a highly concentrated food, containing a large percentage of protein and egg producing material, due to the quantity of meat meal, blood meal, bone meal, etc., which go toward making up its composition, and is especially suited for fowls during the molting season and winter.

By feeding Coulson's Egg Food or Improved Egg Food you will keep your flock in a healthier condition; not only on account of the perfect balance of the ration, but also because their digestion is not overtaxed.

Price per sack of 90 pounds, \$2.55, subject to change. Write for prices on large quantities.

Coulson's SPECIAL CHICK FOOD

Coulson's Special Chick Food contains the ingredients that are best adapted to give nourishment to the growing chicks. Sweet, tender seeds, cracked grains, blown free from dust, cut oat meal, tiny pieces of cooked and dried meat, fine particles of fresh cut bone, charcoal, burnt bone, etc.

Each article is carefully selected with a view to its quality, soundness, and adaptability to the digestion of the young chick. It is a complete feed, requiring nothing in addition, except green feed, grit and water. rice 100 pounds, \$3.50; package 25 cents.

Coulson's GOLDEN WEST CHICK FOOD

Coulson's Golden West Chick Food is prepared for those who want a cheap and safe baby chick food. While it is not equal to Coulson's Special Chick Food it will be found to surpass all others, and contains absolutely no grit or cheap filler; 100 pounds \$3.25.

Coulson's GROWING CHICK FOOD

Coulson's Growing Chick Food is a balanced ration of cracked grains, seeds, mill feeds, meat and bone meals, carefully mixed according to a formula which has been compiled only after much experimenting.

It contains everything that a young chick requires up to three months old, and can be fed either from the commencement, or to gradually supersede Coulson's Special Dry Chick Food, say four to six weeks old.

It can be fed until the chickens are three months old, when you can commence feeding Coulson's Egg Food.

Price, Coulson's Growing Chick Food, 90 pound sack, \$2.75.

Coulson's Duck Food—For young ducks and breeding stock. Ask for Coulson's "Duck Book."

Coulson's CONDITION POWDER

Coulson's No. 3 Condition Powder is not claimed to be a cure-all by any means. It does contain, however, the very best articles to be found in the world for toning up and regulating the digestive and reproductive organs of the hens, enabling them to digest and assimilate a much greater percentage of their food than otherwise. It is especially useful in getting your flock in good condition before and through the molt, and thus giving you more eggs during the fall and winter when prices are high. Prices, 1 1/4 pound package 25 cents, 2 3/4 pound package 50 cents, 10 pound package \$1.35, pail, 25 pounds, \$3.00.

Coulson's CRESOLENE

Coulson's Cresolene is a powerful disinfectant, insecticide and germicide, capable of dilution up to 1 part to 100 parts water, with which it forms a perfect emulsion. It is non-poisonous, non-corrosive, preventing as well as curing numerous diseases. Price 1 quart can, 50 cents, 1/2 gallon 85 cents, 1 gallon \$1.25.

Coulson's CHOLERA REMEDY

When Cholera is noticed in the flock, separate the infected birds from the healthy, then thoroughly clean houses and yards. Put Coulson's Cholera Cure in the drinking water. Feed all the flock light, giving a little No. 3 Condition Powder der in themash. Price, 25 cents per bottle. Not mailable.

Coulson's ROUP REMEDY

Coulson's Roup Remedy for external and internal use. This is a reliable remedy for Roup, Canker or Colds. It is simply put in the drinking water, and the fowls take their medicine. Price, 4 ounce bottle, 25 cents, 12 ounce bottle, 50 cents. Not mailable.

Coulson's CRUDE CARBOLIC ACID

Crude Carbolic Acid. This well known disinfectant and germicide is extensively used, mixed in whitewash and also in crude oil and distillate for spraying poultry buildings and roosts.

It is also largely used undiluted as a preservative of timber. In setting posts for poultry yards in the ground it is well to dip the ends in Crude Carbolic Acid, which insures them from rotting for an indefinite period.

Prices, f. o. b. Los Angeles: 1/2 gallon can, 40 cents, 1 gallon can, 60 cents, 5 gallon can \$2.00.

Coulson's ANTI-FIGHT REMEDY

Coulson's Anti-Fight Remedy will prevent little chicks from picking one another. Apply the mixture to the spot where the chicks pick. The chick that picks at it again will get one taste and will not want another. The mixture is also very healing to the sores. Price 35 cents per jar. Not mailable.

ASK FOR COULSON'S "FEED FACTS—FREE"

POULTRY *Germain's* SUPPLIES

CONKEY'S POULTRY REMEDIES

GUARANTEE—Each of these remedies is guaranteed. Should they fail to please the purchaser for any reason whatever, his money will be returned without a question.

Conkey's Roup Remedy. This is the best known remedy for Roup. Every civilized country of the world knows and uses it as the one reliable means of curing Roup, when given in anything like reasonable time. It is a cure, a tonic and a preventive. You should have it on hand to use at the first signs of the trouble, though it generally cures even in advanced stages of the disease. It kills the germ, purifies the blood and tones up the general health of your flock. Nothing made that is so dependable and promptly effective. The ravages of roup often amount to an epidemic and Conkey's Roup Remedy will often check the disease before it has a chance to attack other fowls. Price 50 cents and \$1.00 postpaid.

Conkey's Lice Powder. The strongest and most effective Lice Powder for body lice ever made. It doesn't scare, stun or drive the lice away—it kills them on the spot. Lice simply cannot live where Conkey's Lice Powder is properly used. Try it today and free your fowls from these parasites. Liberal samples for 4 cents in stamps. Prices, 5 ounce package 10 cents or 15 cents postpaid; 15 ounces 25 cents or 40 cents postpaid; 48 ounces 50 cents, express extra.

Conkey's Fly Knocker. It kills every fly it hits and stops others from annoying your cows or horses. It rids your stock of the pests and promotes their comfort, health and usefulness. Positively harmless and will not taint the milk; of greatest value to dairymen, horsemen, horseshoers, etc. The best article on the market today and absolutely guaranteed to satisfy you or money cheerfully refunded. Give it a trial and it will save you money. One ounce sufficient to spray two animals. Prices, 1 quart 35 cents, 2 quarts 60 cents, 1 gallon \$1.00.

"SALT-EM"

A SHORT CUT TO BETTER LIVESTOCK AND BIGGER PROFITS

Every time your animals get off feed, or out of condition, you lose by it. You can bring them back to health nine times out of ten if your treatment is right, but you lose the time in that animal's producing period; you lose your own time and labor and worry in doctoring, as well as the expense of treatment. In

Conkey's Ant Chaser. Ants don't like Conkey's Ant Chaser. It drives them away from your lawn and keeps them away. It also acts as an excellent fertilizer for the grass. Can be used to drive ants out of the house. Non-poisonous and harmless to children and animals. Price 25 cents a box.

Conkey's Laying Tonic. This actually makes hens lay without harming them. It is not a food in itself, and you escape paying for bran and middlings, which comprise the bulk of inferior egg-producers, and which you can supply for less money from your own bins. There is not one particle of filler in this tonic. It means vigor in your fowls, which is the greatest egg-producer known: 1½ pounds 25 cents, 3¼ pounds 50 cents, 7 pounds \$1.00, 25-pound, pail, \$3.00. Expressage extra.

Conkey's Nox-i-Cide. The greatest disinfectant and germ destroyer known and invaluable to the poultryman or stockman. It kills the germs which are responsible for most diseases, cleans and purifies, removes odors, prevents flies from breeding, promotes the health and comfort of your fowls and animals. Mixed with water, 1 gallon Nox-i-Cide makes 101 gallons good disinfectant. Good for scores of uses around the poultry yard, barn and household. Send for special booklet on Nox-i-Cide, 40 pages, illustrated. Prices, pints 35 cents, quarts 60 cents, ½ gallon 90 cents, gallon \$1.50. Express extra.

CONKEY'S BIG 72 PAGE POULTRY BOOK FREE

This is a book that every poultry raiser should have and no poultryman who has ever had a copy would be willing to give it up at any price. Highly endorsed by the expert and thoroughly appreciated by the amateur. It is practical, helpful, concise and complete. In plain, common sense terms it treats the whole subject from the profit making angle. It deals with the important questions of housing, breeding, feeding, incubation, diseases, in a sensible, practical manner that will save your money and insure success if you follow its simple instructions. The 72 page edition regularly sells for 50 cents, but it's yours free, for 4 cents in stamps to cover postage.

CONKEY'S POULTRY REMEDIES AND SPECIALTIES

Conkey's Bronchitis Remedy	50¢
Conkey's Cholera Remedy	25 cents and 50¢
Conkey's Gape Remedy	50¢
Conkey's Chicken Pox Remedy	50¢
Conkey's Limber Neck Remedy	50¢
Conkey's Scaly Leg Remedy	50¢
Conkey's Rheumatic Remedy	50¢
Conkey's Healing Salve	25 cents and 50¢
Conkey's Poultry Laxative	50¢
Conkey's Poultry Tonic	25¢
Conkey's Flea Salve	10 cents and 25¢
Conkey's Head Lice Ointment	35 cents, 60 cents and 1.00
Conkey's Lice Liquid	35 cents, 60 cents and 1.00
Conkey's Nox-i-Cide	35 cents, 60 cents, 90 cents and 1.50

most cases you lose from a set-back while the animal is regaining condition.

Take "SALT-EM" and put it in a box or keg anywhere in the feed lot or shed where every animal can help itself, but where rain and weather won't waste it. Just see that a quantity of "SALT-EM" is where the stock can reach it any time, and then think no more about it. The animals like it; they know by instinct they need it; they will take it just as they want it and will not overdose themselves.

"SALT-EM," Conkey's Medicated Stock Salt, comes packed in the following sizes:

10 lb.	\$ 0.90	20 lb.	\$1.50
40 lb.	2.75	100 lb.	6.00
200 lb.	11.00	300 lb.	16.00
500 lb.			25.00

F. O. B. Cars, Los Angeles, Cal.

DO YOU WANT A GOOD BOOK ON FARM ANIMALS?

In fact, the best book yet on live stock. Conkey's Stock Book is the only single volume that really covers the four farm animals in a comprehensive and absolutely practical way. It sums up the chief facts you need to know, creamed off the top of the whole big, broad, vital subject. What you get is the cream, the rich results of other men's experience. A reference book in completeness, a primer in style and brevity.

Worth many dollars to any stock owner. Price \$1.00, but furnished absolutely free by your dealer with any dollar order for Conkey Stock Remedies, or sent for ten cents in stamps for mailing. Size 5¼ by 7¼, 224 pages. Over a hundred illustrations.

Remember—"The best book YET on Livestock."

CONKEY'S STOCK REMEDIES AND SPECIALTIES

Conkey's Stock Vigor Packages, 25 cents, 50 cents, \$1.00, Pails, 25 lbs.	\$3.50
Conkey's Horse Tonic, per Bottle	2.00
Conkey's Healing Powder for Horses, etc., per Box	.50
Conkey's Colic Remedy for Horses, per Bottle	.50
Conkey's Heave Remedy for Horses, per Package	1.00
Conkey's Hoof Remedy, Pints 50 cents, Qt. 75 cents, ½ Gal.	1.25
Conkey's Worm Remedy for Horses, "Powder," per Box	1.00
Conkey's Fever Remedy Powder	1.50
Conkey's Absorbent, per Bottle	1.00
Conkey's Pain Lotion, per Bottle	.50
Conkey's Poll Evil Remedy, per Package	2.00
Conkey's Fly Knocker, 1 Qt. 35 cents, 2 Qts. 60 cents, 1 Gal.	1.00
Conkey's Mange Remedy for Dogs	.50
Conkey's Ant Chaser, Packages 25 cents, 50 cents and 1.00	1.00
Conkey's Bug and Moth Killer, 7 oz. Bottle, 25 cents, 1 Pt. 50 cents, ½ Gal.	1.25
Conkey's Pino 7 oz. Bottle, 25 cents, 1 Pt. 50 cents, Qt.	.75
Conkey's Distemper Remedy for Dogs	.50

POULTRY *Germain's* SUPPLIES

INTERNATIONAL STOCK AND POULTRY FOODS

INTERNATIONAL STOCK TONIC 3 Feeds for One Cent

For over twenty years International Stock Tonic has been used and indorsed by the leading stock raisers everywhere who have been convinced from practical tests by feeding to their stock,

of its money making value. International Stock Tonic is composed of ten finely powdered medicinal herbs, roots and barks, that animals eat freely when running wild, and is to be fed in tablespoonful amounts mixed with the regular grain food. Its use greatly aids digestion assimilation, so that each animal obtains more nutrition from the grain eaten. Being highly medicinal its use tones up the system, prevents disease and keeps the animals in a healthy growing condition. International Stock Tonic is positively guaranteed to be THE GREATEST ANIMAL TONIC ever formulated. Endorsed by over two million practical money-making farmers and stock breeders. Sold on

I spot cash guarantee to refund your money if it ever fails to give paying results.

25-lb. Water Tight Pails..... 25c, 50c and \$1.00
25-lb. Water Tight Pails..... 3.50

INTERNATIONAL STOCK REMEDIES

Absorbent, Compound.....	\$2.00
Cattle Dip.....	1.50
Colic Remedy.....	50 cents 1.00
Disinfectant, Dan Patch, Stable.....	2.00
Distemper Remedy.....	.50
Foot Remedy, Honey Tar.....	50 cents 1.00
Gall Heal.....	25 cents .50
Gopher Poison.....	.50
Harness Soap.....	25 cents, 50 cents 1.00
Healing Oil, Silver Pine.....	25 cents, 50 cents 1.00
Healing Powder, Antiseptic.....	.50
Heave Remedy.....	.50
Hog Dip.....	1.50
Hoof Ointment.....	2.00
Liniment, Dan Patch, White.....	.50
Pheno-Chloro.....	25 cents, 50 cents 1.00 3.00
Quick Cleaner Soap.....	.25
Sheep Dip.....	1.50
Worm Powder (Horses).....	.50
Worm Remedies (Hogs).....	1.00 3.50

INTERNATIONAL POULTRY TONIC The Wonderful Egg Producer

International Poultry Tonic is a Highly Medicated Tonic which gives the most astonishing results ever known. Its use will greatly increase the egg production of any flock by invigorating the egg producing organs and hens will lay for a longer period. We positively guarantee, by regularly feeding during either winter or summer season a decided increase in the number of eggs received. One extra egg per month pays its entire cost and its use often more than doubles the quantity of eggs produced. International Poultry Tonic cures and prevents Diseases and Sickness, promotes good health, invigorates the digestive organs, supplies material for bone, muscle and feathers, and is very beneficial during moulting season. Will prepare young chickens for the market in less time than any other

preparation. Costs only 8 cents a month for 12 birds.
In Packages..... 25 cents, 50 cents and \$1.00
25-lb. Water Tight Pails..... 3.50

INTERNATIONAL POULTRY REMEDIES

Bowel Trouble Remedy.....	\$0.50
Bumble Foot Remedy.....	.25
Cholera Remedy.....	.25
Gape Remedy.....	.50
Louse Killer.....	.25
Louse Paint, cans.....	35 cents, 60 cents 1.00
Rheumatism Oil.....	.25
Roup Remedy.....	.50
Scaly Leg Ointment.....	.25
Worm Remedy.....	.50

SPOT CASH GUARANTEE

The International Stock Food Co. guarantees that their preparations, used in accordance with the directions on each package, will do the work claimed for it; and should it fail at any time, they will refund the price of the preparation. They will further pay any one \$100.00 in cash if they ever refuse to fulfill this guarantee.

The Germain Seed & Plant Co. takes pleasure in placing its guarantee back of that of the manufacturers.

Ask for International Catalogue and "Money In Poultry." They're free.

DAIRY ASSOCIATION REMEDIES

AMERICAN HORSE TONIC

We recommend American Horse Tonic as a general improver for horses. Hundreds of users tell us that horses look better, feel better, act livelier, are full of snap and ginger when they are given it. Besides this, we recommend it as a Worm Expeller; for Lost Appetite, Rough Hair, Coughs, Inflammation of Lungs and Bowels, Stoppage of Water, Recent Founders, Distemper, etc. Price 50 cents a box; by mail 16 cents extra. Small box 25 cents, by mail 9 cents extra. Ask your dealer for Kow-Kure.

AMERICAN HORSE COMFORT

We recommend Horse Comfort for all Flesh Wounds, Wire Cuts, Galls and Sores of long standing, for Blood Poison, Proud Flesh, Scratches, Mud Fever, for Snag Wounds, Sore Shoulders, Grease Heel, Malignant Ulcers, Fistula, Poll Evil, Corns on horses, etc. We claim that Horse Comfort has won the right to the name—"The World's Greatest Healer."

Price, 25 and 50 cents per bottle. Small bottle by mail 11 cents extra; large bottle by mail 20 cents extra.

Send for free Kow booklet, "More Dairy Dollars and How to Get Them."

KOW CURE REMEDIES

KOW-KURE FOR COWS AND GOATS

Is a positive cure for Abortion, Barrenness, Scouring, Bunches in the Udder, Red Water and "off feed." Kow-Kure removes Retained Afterbirth, makes pure blood, corrects stomach disorders, improves the appetite, and being a safe and powerful tonic, it makes a larger flow of richer milk. Price per package 50 cents, postage 25 cents; \$1.00 size, postage 55 cents extra.

"NIT" FLY REMOVER, LICE KILLER AND DISINFECTANT. A liquid to be sprayed on the animal or in the poultry house. Removes Flies and Mosquitoes instantly. Kills Ticks and Lice on Hogs, Horses, Cattle and in Poultry Houses. A disinfectant and promotes health. (It will cost you about one cent to cover ten cows, and about ten minutes to do the work.) Price gallon, 75 cents.

GRANGE GARGET CURE FOR COWS AND GOATS

We recommend Grange Garget Cure for that strange disorder so peculiar to cows—the hardening of the udder or garget. Inexperienced people often mistake it for caked bag, bunches in bag, etc. Remember it is a separate disease with its own peculiarities, causes, etc. Twenty-three years' use by dairymen and farmers proves its economy and value. Price 50 cents; postage 30 cents extra.

BAG BALM FOR COWS AND GOATS

We recommend Bag Balm for all diseases of udder and teats: Caked Bag, Sore Teats, Bunches, Chapping, Cuts, Inflammation, etc. It makes easy milkers of hard ones, keeps all the parts in a sanitary, healthful condition. Price, 50 cents; by mail 12 cents extra.

2000 HEALTHY VIGOROUS BREEDERS

WHITE LEGHORNS
Greatest Egg Producers
EGGS FOR HATCHING
and
BABY CHICKS

Expressed Safely to any point
in California and Arizona

WHITE ROSE RANCH

J. W. LAGE
Baldwin Park, Cal.

MISCELLANEOUS FOODS

More
Eggs

DARLING'S HIGH PROTEIN MEAT SCRAPS MAKES THE HEN LAY EVERY TIME

After years of use Darling's Meat Scraps are acknowledged by all poultrymen to be the highest grade animal food on the market, and the fact that these are more used than all other brands of Meat Scraps combined is sufficient proof that they are the best. We accordingly claim that 100 pounds of Darling's High Protein Meat Scraps have the feeding value of 200 pounds of any other scraps. Manufactured only by Darling & Co., who have a special process of extracting the water and fat, leaving only the best of meat in a concentrated form, which will keep in any climate. Price, 50 pounds \$2.00, 100 pounds \$3.85.

Larger
Fowls

MEALS

CALIFORNIA CALFALFA MEAL. Green Food can be had every day in the year for your Horses, Cattle, Hogs, Poultry, Goats, Sheep, etc., in fact, any animal, if you use Calfalfa Meal.

Calfalfa Meal is properly ground and will save one-third your feed bill; is especially adapted for milk Cows; will increase the flow of milk and will make a better quality of milk, butter, cheese, etc. Also unexcelled for Poultry, to be mixed with the soft feed. Ask for special pamphlet which gives special directions for feeding Calfalfa Meal to all Fowls and Animals. Price per sack, 100 pounds, \$1.50.

DARLING'S BEEF MEAL for Poultry. Price 100 pound sack, \$3.00.

GERMAIN'S PURE BLOOD MEAL is a great protein-carrier and as an egg-producer it stands high on the list. The grade we offer is especially prepared by a process which eliminates disease germs and other undesirable elements. Our pure blood meal is the best on the market and received special mention from the United States Experiment Station at Berkeley, Cal., Bulletin No. 164, on account of the high per cent. of protein it contained (76.17), and the small per cent. of fat (1.03). When you feed blood meal, be sure it is Germain's. Pound 5 cents, 50 pounds \$2.00, 100 pounds \$3.85.

COTTON SEED MEAL. As a food for poultry Cotton Seed Meal has proven to be richer than Flax Meal or any other similar food; assisting greatly the egg production. For fattening market poultry it is excellent, imparting to the skin a rich, yellow color. Price 100 pounds \$3.00.

FLAX SEED MEAL. Made from pure ground flax seed. Price, 10 cents per pound, 10 pounds 70 cents, 100 pounds, price on application.

OIL CAKE MEAL. An excellent food for cattle of all kinds. Sold in lump or in meal. Price, per 100 pound sack \$3.00. Subject to change.

RAW BONE MEAL is made from fresh bones from which the moisture has been taken, leaving nothing but the phosphates, lime and protein. Bone is especially valuable as an egg producer. Granulated or fine. Prices, 100 pounds \$2.50, 50 pounds \$1.35, 1 pound 3 cents. Special prices on ton lots.

SOY BEAN MEAL OR PROTEINA

Successful poultrymen and stockmen are feeding this meal with the best of results. For milch cows and all farm animals it has no superior. It has proven to be on a par with and has largely taken the place of Beef Scraps. It contains in excess of 46 per cent Protein and 10 per cent fat. Compare this with similar foods, and you will soon be persuaded to use it. Prices, f. o. b. Los Angeles, 5 cents per pound, 100 pounds, \$2.80.

BLATCHFORD'S CALF MEAL

Blatchford's Calf Meal is made exclusively and solely for this purpose. It is more rich and nutritious than the best whole milk, and farmers claim that it grows calves faster than any other feed. It is less than one-half as expensive as whole milk to feed, as every 100 lbs. of the Calf Meal will make 100 gallons of perfect milk substitute.

We also stock and are prepared to furnish best grades of the following at lowest prices, consistent with good quality. Prices subject to market fluctuations will be quoted on application:

Linseed Meal, Wheat, Steel Cut Oats, Egyptian and Kaffir Corn, Cracked Corn, Whole Yellow Corn, Feed Meal, Bran, Rolled Oats, etc.

CHARCOAL, SHELL, GRIT

EASTERN WILLOW CHARCOAL. The grade we are offering is the best obtainable, and must not be compared with that made for fuel purposes. We carry in stock three sizes, namely, coarse, medium, fine and pulverized. Prices, 5 pounds 25cents., 25 pounds \$1.00, 50 pounds \$1.75, 100 pounds \$3.00.

CRUSHED OYSTER SHELLS. Made from clean, bright shells, and as oysters contain 98 per cent. of pure bicarbonate of lime, are probably the best producer of egg shells on the market. Price per 100 pounds \$1.50; 1 pound 2 cents.

CLAM SHELL. Made from clean, fresh shells crushed to suitable size. Price per 100 pounds 85 cents, 1 pound 1 cent.

MICA CRYSTAL GRIT. A good, hard grit suitable for all kinds of poultry. Price, 100 pounds \$1.00, 1 pound 1½ cents. Special prices on quantities.

GERMAIN'S MARBLE GRIT. Its chemical analysis shows a proportion of over 99 per cent. of soluble lime, which is rapidly transformed into the greater part of egg-shells. It is bright and quickly attracts the attention of the fowls. Price, 100 pounds \$1.25, 1 pound 1½ cents. Special prices by the ton or carload.

SWISS CHARD SEED. The tops make an excellent green food for chickens. Price, 10 cents per ounce, per pound 50 cents.

CANADIAN FIELD PEAS. The finest pigeon food, and no one raising pigeons should be without some. Price, 5 cents per pound, 10 pounds 50 cents, 100 pounds, price on application.

GERMAIN'S PREMIUM SCRATCH FOOD

PREMIUM SCRATCHING FOOD is an ideal grain mixture. It contains a variety of grains, bone, meat, charcoal, etc. If fed in straw, leaves or other litter, it will not only give the proper variety necessary to the hens, but will make them exercise, keep them in health, and insure plenty of eggs. Price per 100 pounds \$2.50.

PIGEON FOODS

GERMAIN'S PREMIUM

Fed and Indorsed by J. A. Cox, President Southwestern Pigeon and Bantam Club

HEN PIGEON OWNED BY
J. A. COXE, 218 E. 25TH ST.,
LOS ANGELES, CAL.
Stock for Sale

Is a complete food for pigeons. Contains everything necessary to promote their growth and health, such as Canadian Peas, Buckwheat, Vetches, Hemp seed, Red Wheat, Kaffir Corn, Millet, and a number of other sound grains, all of which can be fed to the young with the best results. Price per 50 pounds \$1.60; 100 pounds \$3.00.

MUIR'S HEALTH GRIT

This grit is especially prepared for pigeons and has no equal. It contains everything that the pigeon needs. This grit keeps your pigeons strong and vigorous, thus producing large and healthy squabs. If you keep pigeons, either fancy or for market, you can't afford to be without a sack of **Muir's Health Grit** in your loft at all times. Price \$2.50 per 100 pounds, f. o. b. Los Angeles.

POULTRY *Germain's* SUPPLIES

FOODS AND SPECIALTIES FOR YOUR HOUSEHOLD PETS

Scotch Collie Dog

DOG FOODS

"SPRATT'S" MEAT "FIBRINE" VEGETABLE DOG CAKES. The standard dog food. Used at the leading kennels and dog shows throughout the world. A staple and constant food for all breeds of dogs. Prices per 3 pound package 25 cents, 25 pound bag \$2.00, 100 pound bag \$7.50.

"SPRATT'S" PUPPY BISCUITS—THE STANDARD PUPPY FOOD. A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old and they should be continued until such time as their teeth become sound and strong, usually when they are about six months old. Follow directions on each package. Prices, package 25 cents, 1 dozen packages \$2.85.

"SPRATT'S" MEAT FIBRINE "TERRIER" CAKES. Specially prepared for Terriers and other active dogs. Eaten with avidity, they are easily digested, make bone and muscle, and not fat, thus insuring the true Terrier qualities of energy and action. Price per package 25 cents.

CLAYTON'S DOG REMEDIES

Users of Dog Remedies are Using Clayton's Remedies
Book on Dog Diseases and How to Feed—Free

Blood Purifying Pills	.50	Eye Lotion (tablets)	.50
Condition pills with pepsin	.50	Fit Cure	.50
Canker Lotion	.50	Fit Cure Tablets	.50
Canker Lotion (Tablets)	.50	Gout Cure	1.00
Cough Cure	.50	Hair Tonic	.50
Cola Tonic	.50	Laxative Pills	.50
Ceoline Dog Wash	.25	Mange Cure	.50
Ceoline Dog Soap	.10	Mange or Skin Cure	.50
Condition pills with pepsin	.50	Puppy Tonic	.50
Distemperine	.50	Rheumatic Tablets	.25
Distemperine Tablets	.50	Shampoo	.25
Digestive Tablets	.50	Sulphur Tablets	.50
Diarrhoea Cure	.50	Tape Worm Expeller	.50
Diarrhoea Cure (tablets)	.50	Vermifuge (liquid)	.50
Dog Soap	.20	Vermifuge (soft capsules)	.50
Eye Lotion	.50	Worm Pills	.50

DOG SUPPLIES

We carry a complete line of—

Brushes	.50	25 and 50
Chains	.35	and .50
Collars	.30	to \$5.00
Combs	.60	and .75
Leads	.35	and .50
Padlocks	.10	to .50
Whistles	.25	

GOLD FISH, BOWLS, FISH FOOD

We do not send Fish C. O. D. Kindly send cash with order. Prices subject to change.

We carry a large stock of these beautiful Fish and the glass bowls suitable for keeping.

American Fish, 25 cents to 50 cents each.
Japanese Fish, 35 cents, 60 cents, \$1.00 and up.

GLASS BOWLS

Made of clear glass in the following sizes: 8 inch 75 cents, 9 inch 85 cents, 10 inch \$1.25, 11 inch \$1.50, 12 inch \$1.75.

FISH FOOD

Specially prepared: will not sour or spoil in water; 10 cents per package, 3 packages for 25 cents.

CATNIP BALL

A Plaything for Kitty

They simply can't let it Alone.

Will Last for Years. Price 10c.

CATNIP BALL

Its object is to afford amusement to and benefit the health of cats. In endeavoring to get the catnip it induces them to exercise. If the cat plays with it violently, it is saying as plainly as though it could talk, that it desires CATNIP. If you value Kitty's health, give it some. Price, 10 cents each.

CLAYTON'S CAT REMEDIES

FREE—A Treatise on the Cat by George Clayton.

Blood Purifying and Cooling Tablets. For all blood diseases, mange, eczema, etc.	.50
Canker Lotion Tablets. For all diseases of the ear	.50
Cough Remedy. For coughs.	.50
Diarrhoea Tablet	.50
Digestive Tablets. For all stomach disorders, for vomiting	.50
Distemperine and Distemperine Tablets. For Distemper.	.50
Eye Lotion Tablets. For all diseases of the eye	.50
Fit Tablets. For fits.	.50
Laxative Tablets. Acts directly on the liver and secretions	.50
Mange Remedy. For all forms of skin disease	.50
Mouth Wash. For all ulcerated conditions of the mouth	.25
Soap	.25
Tape Worm Expeller Tablets. Will expel the tape worm	.50
Tonic Catnip Condition Tablets	.50
Vermifuge (liquid)	.50
Wash and Disinfectant. Kills Fleas, Disinfects	.25
Worm Tablets. Will expel worms	.50

BIRD FOODS AND REMEDIES

If required by mail add 10 cents per pound for postage.

BIRD MANNA keeps cage birds in constant song, improves their plumage and prevents disease. Price 15 cents per tube.

SPRATT'S BIRD TONIC (HENNING'S). For the prevention and cure of all diseases which cage birds are subject to. Prices in bottles, 20 cents. Not mailable.

SPRATT'S BIRD LICE DESTROYER (HENNING'S). For dusting the feathers. Price, 20 cents; by mail 23 cents.

SPRATT'S PARROT FOOD. A mixed food for parrots which should be kept before them all the time. Price in cartons, 10 cents each.

DEFIANCE MOCKING BIRD FOOD. The purest food obtainable for Mocking Birds, Robins, Nightingales, Thrushes, Black Birds, Skylarks, and other soft billed birds. Price per tin, 25 cents.

BIRD SEED AND GRAVEL

GERMAIN'S MIXED BIRD SEED. Bright, clean, pure and wholesome. Especially mixed by us according to the recipe of a famous German specialist. Germain's name and reputation are its guarantee. Price per package, 10 cents.

GERMAIN'S BRAND SILVER WASHED BIRD GRAVEL is especially prepared for cage birds. To properly care for the bird, clean the cage and sprinkle the bottom with this gravel once a day. Price per package 10 cents, 3 packages 25 cents.

	Per lb. 3 lbs.		Per lb. 3 lbs.
Mixed Bird Seed.	.50	Maw (Blue Poppy).	.30
Mixed Canary and Rape.	.10 .25	Lettuce Seed, for birds	.25
Canary Turkish.	.10 .25	Cuttle Fish Bone	.40
Hemp.	.10 .25	Millet, White French	.20
Millet, Italian.	.10 .25	Sunflower, Russian.	.10 .25

CANARY BIRDS \$2.50 EACH

POULTRY ACCESSORIES

REMEDIES

KILEROUPOUR. A positive cure for Roup, Canker, Chicken-pox, Cholera, Swell-head and Sour Crop in little chicks. Indorsed by the leading poultry men. Prices 25c, 50c and \$1.00 per can. Send for circular.

ROUP SYRINGE

This is one of the best implements for applying roup remedies, enabling the operator to inject the fluid just where it is wanted. The first figure shows its use internally, and the second shows its use for external application. Price, postpaid, 10 cents.

NICINE

each 25 cents. Price per case of 24 cans on application.

Nicine, the wonderful sanitary powder, will positively keep your houses and runways clean and free from germs. It will prevent and eliminate all kinds of insect pests, and will keep your poultry free from disease and discomfort.

Nicine where used prevents and cures Roup, Colds, Canker, Pip or Gapes and White Diarrhea. Poultry Lice, Mites and Fleas will not stay or breed where Nicine is scattered or used.

For use in the incubator. After the incubator has been cleaned out, dust thoroughly with Nicine, using a small whisk broom, so as to get Nicine in every crack, let it stay for about 12 hours closed, then brush out thoroughly. Repeat this after every hatching, and you will have a condition of scientific cleanliness, absolutely free from disease germs. Nicine when once used will always be used. It covers all the necessities, and no other material need be kept about the place.

Let us tell you more about Nicine. Write us your troubles. Nicine is put up in cans averaging one pound

FENCING

THE WARNER JR. POULTRY FENCE

The Warner Poultry Fence is the strongest, handsomest, most durable and most sensible Poultry Fence now on the market. Made of No. 18 wire. Notice the very close spacing between line wires, which is shown by referring to illustration. This fencing will turn the smallest chicken or anything else which happens to come in contact with it. It will stand erect with few posts, by reason of the sensible construction of the famous tie or lock. The tie or lock has no sharp bends to break the galvanizing, nor any cut or exposed ends to rust out; the tie also prevents any possibility of the stay wire slipping on the line wire. Rolls 165 feet or 10 rods long.

	Per Roll
3 ft. high Graduating Mesh	\$3.50
4 ft. high Graduating Mesh	4.25
5 ft. high Graduating Mesh	5.00
6 ft. high Graduating Mesh	5.50

All wire netting prices subject to change.

WIRE FENCING FOR POULTRY YARDS

Silver Finish Netting, put up in rolls 150 ft. long and varies in width from 1 to 6 ft. Price per roll f. o. b. Los Angeles:

1 ft. high, 2 in. mesh .. \$0.75	6 ft. high, 2 in. mesh .. \$4.50
1½ ft. high, 2 in. mesh .. 1.15	1 ft. high, 1 in. mesh .. 1.90
2 ft. high, 2 in. mesh .. 1.50	1½ ft. high, 1 in. mesh .. 2.85
3 ft. high, 2 in. mesh .. 2.25	2 ft. high, 1 in. mesh .. 3.75
4 ft. high, 2 in. mesh .. 3.00	3 ft. high, 1 in. mesh .. 5.75
5 ft. high, 2 in. mesh .. 3.75	

AVENARIUS CARBOLINEUM

AVENARIUS CARBOLINEUM. A radical remedy against vermin in poultry houses. One thorough application, either with the paint brush or a sprayer to the interior walls, floors, ceilings, roost, nest boxes, etc., of the hen house or barn, after a previous cleaning, and no matter whether they consist of wood, tar paper or plaster, will exterminate lice and mites for a whole year or more. Quarts 60 cents, gallons \$1.75, 5 gallons \$6.75.

OCULUM

OCULUM. Deadly white diarrhoea, cholera, gapes, roup and sore head positively and permanently cured and prevented by this new wonderful, effective remedy. The world's greatest preventive; also the world's greatest curative. The only sure cure known for these diseases. Oculum cures the most aggravated cases; cures them permanently. We guarantee it. We have hundreds of letters to prove it. For puny fowls Oculum is the best general tonic known. Renews vitality, builds weight, beautifies plumage. It increases egg yield, keeps down lice, and it stands between you and 90% of the causes that make poultry raising a drudgery and profits uncertain. Treatment simple—given in thirty seconds. Results stupendous. Cost, a trifle compared to lessened work and heaped-up profits. Prices on bottles, 50 cents and \$1.00.

WESTERN POULTRY BOOK

A Short Cut to Success

**WESTERN CLIMATE
WESTERN CONDITIONS
WESTERN PEOPLE**

Mrs. A. Basley's Latest Poultry Book is without exception the most wonderfully complete manual on successful poultry management ever written.

A practical book by a practical woman. Price \$1.

Mrs. A. Basley, Garfield Place, Hollywood, Cal., or Germain Seed & Plant Co.

POULTRY *Germain's* SUPPLIES

POULTRY ACCESSORIES

EGG CARRIERS, CARTONS, SHIPPING BOXES

NEW SAFETY EGG CARRIER

The **NEW SAFETY EGG CARRIER** is a heavy cardboard box, with partitions for 12 eggs; three of these boxes will fit side by side in an ordinary 30 dozen egg case in place of fillers, which is a very convenient way of handling eggs for a fancy trade. Prices, 15 cents per dozen; \$1.00 per 100, \$9.00 per 1000.

DIAMOND EGG CARRIER

The **Diamond Egg Carrier**, owing to its peculiar construction, is far ahead of a carrier with a flat bottom. They will stand the test. Cheapest and best, lightest and strongest. They can be set up in less than one minute. They carry eggs safely. They are in a class by themselves. Dozen, \$1.50.

Golden Gate Egg Shipping Boxes. Made for shipping eggs for hatching, and are very substantial. Prices, 15-egg size, 15 cents each, \$1.50 per dozen; 30-egg size, 30 cents each; 50-egg size, 45 cents each; 100-egg size, 90 cents each.

The **Ideal Egg Carton.** Made of heavy tag; holds one dozen eggs; very rigid and compact. Price, per dozen, 20 cents, per 100, \$1.25.

NEST EGGS AND SULPHUR CANDLES

Opal Nest Eggs. Very useful and necessary; saves leaving fresh eggs in the nest. Price per dozen, 30 cents. One dozen by mail, postpaid, 50 cents.

Quotations submitted on request by the gross, packed in neat box, or by the barrel.

Medicated Nest Egg. These nest eggs are not only a lice and mite destroyer, but a germicide as well, and kill the germs that so often cause disease. Price, 5 cents each, 50 cents per dozen.

Sulphur Candles. The most convenient method of fumigating poultry houses and living rooms. Price 10 cents each, \$1.00 per dozen.

GERMAIN'S EGG TESTER

For testing eggs for hatching; fits any ordinary size house lamp or the lamp furnished with the Jubilee Incubator. Price, 25 cents each.

GAPE WORM EXTRACTOR—Postpaid, 25 cents.

FRENCH POULTRY KILLING KNIFE

Every poultry raiser should have one of these killing knives. To possess one will be one of the best investments you ever made. Price, 50 cents each, postpaid.

CYPHER'S LICE-PROOF PERCH SUPPORT

This device has been placed upon the market to satisfy the demand for a perch support sufficiently strong to bear the weight to which it is subjected. These supports are manufactured of cast iron and should last a life-time. They are cheap, easily put up, and if once used will always be used. Attach to the wall with screws. The oil cup is covered with a cap to prevent accumulation of dust. Fill the cup with Conkey's Lice Liquid. It is then impossible for lice to pass from the walls of building to the roosts, or from the roosts to the building.

Prices: Per pair, 45 cents; per dozen, single hangers (six pairs) \$2.50.

GERMAIN'S EGG TESTER

LEG BANDS

Smith's Seal Leg Band. At the poultry show it is advisable to use Smith's Seal Leg Band, as the band, being sealed, cannot be changed. Price 25 cents per dozen; \$1.50 per hundred.

The Improved Champion. Made of pliable aluminum, which can be adjusted to fit any size of leg. Three-inc. size for all ordinary breeds; 4-inch size for extra large and turkeys. All neatly numbered; 12 for 15c; 25 for 30c; 50 for 50c; 100 for 80c, postpaid.

Round Aluminum Leg Bands. Made of wire aluminum flattened where the number is placed. Samples free for the asking. Made in three sizes: No. 1 large, No. 2 medium, No. 3 small. Price, 12 for 20 cents, 25 for 35 cents, 50 for 70 cents, 100 for \$1.25, postpaid.

Open Pigeon Bands. Made from flat aluminum. Price, 12 for 15 cents, 25 for 30 cents, 50 for 50 cents, 100 for 80 cents.

ALUMINUM PIGEON BANDS, SEAMLESS

Made from aluminum tubing. Are put on safely when birds are young. Are very light. Price, 12 for 20 cents, 25 for 50 cents, 100 for \$1.25.

POULTRY MARKERS

CYPHER'S PERFECT MARKER

ACME LEVER POULTRY MARKER
Makes Thirty Possible Toe Marks (See Diagram)

The "Acme" Lever Poultry Marker. The spring lever arrangement enables one to hold the chick in one hand and work punch with other. Light and durable. Price 25c, postpaid.

Cypher's Perfect Marker. Simple and practical. Cyphers perfect marker is made especially for the work of marking chicks. It makes a good, clear, clean cut, and does not mutilate the web. We guarantee them to meet all requirements. Price each, 50c.

PETTEY'S POULTRY PUNCH

All Steel, Nickel Plated, Punches Clean Hole; is right size; will not bruise the foot. Price 25 cents by mail.

PATENT FARMERS' CAPONIZING SET

Poultrymen can double their profits by caponizing their cockerels. The operation is simple and easy. Price by mail, postpaid, \$3.00.

Chinese Caponizing Set, with directions, postpaid, \$2.50.

Plain Caponizing Set.

in cardboard box, with directions postpaid, \$1.75.

POULTRY *Germain's* SUPPLIES

FEEDERS AND FOUNTAINS

CHICK FEEDER

PERFECT DRY FEED TROUGH

Chick Feeder. This trough is made of heavy galvanized iron; easily cleaned; edges all rounded. Size 12 inches long by 3 inches wide, and 2½ inches high. Weight ½ lb. Price 25 cents; 12-inch double chick feeder, each 50 cents.

Perfect Dry Feed Troughs are specially designed for feeding dry food, such as Coulson's Egg Food, Bran or any dry mixture. It is made of the best heavy galvanized iron, is 18 inches long, 7 inches wide, with the side flanges rolled under on each side; the ends of the flanges are unsoldered, which makes it adjustable, so that they may be raised or lowered at the will of the operator, thereby saving the food. Suitable also for water and Mash Food for Ducks. Price each, 75 cents. Special price per dozen.

Automatic Feed Box. Made of heavy galvanized iron. Two compartments—one for grain and one for beef scraps. Its capacity is twice that of the "Grit-box." Price 85cts each, \$9.00 per dozen.

Germain's Dry Feed Hoppers. These hoppers are constructed especially for feeding Dry Feed, such as Coulson's Egg Food. Made of heavy galvanized iron, strong and durable. Height 16 inches, width 12 inches. Being wider at top than at bottom it allows the feed to drop down as it is consumed by the fowls. Price single \$1.00. Special price on large quantities.

Hallock Food and Water Holders. These holders are made in one gallon and two gallon sizes, and are recommended for both food and water dishes. The tops and bottom are separable by placing the palm of the hand on top of the upright post, then pressing downward, causing the wires to spread and thus easily releasing the pan. The wires prevent the ducks or fowls from getting into the food or water and soiling it. A saving of 15 to 25 per cent. may be counted on in the soft food with these holders. Price, 1 gallon size, \$1.00, 2 gallon size \$1.25, 3 gallon \$1.50.

HALLOCK'S FOOD HOLDERS

Peerless Drinking Fountain. A splendid sanitary fountain, the water being protected from dirt. The fowls will not injure their combs while drinking. Easy to clean and to fill. Simple, durable, practical. An excellent fountain. Prices: Chick size (1 quart), 35c; grown fowl size (1 gallon), 75c.

Open Crocks for Rabbits. These open crocks or low butter jars are a heavy stoneware, glazed on both sides. Excellent for watering Rabbits or Poultry. Price 1 quart 10 cents, 2 quarts 15 cents, 1 gallon 25 cents.

OPEN CROCKS

SANITARY FOUNTAIN

Perfect Drinking Fountains. Made of heavy galvanized iron. Easily cleaned. Fowls cannot get on top of, nor into them, nor turn them over. Prices 1 quart 25 cents, 2 quarts 35 cents, No. 3, 1½ gallons 60 cents. Special discount on large quantities.

Sanitary Fountains (Stone). These fountains, when in use, are filled to the top. They have a glazed surface; 1 quart 25 cents, 2 quarts 35 cents, 1 gallon 45 cents, 2 gallon 60 cents.

Sanitary Grit and Shell Box. Manufactured from the best galvanized iron. Contains three compartments, each holding two quarts. Can be hung up against the wall at any height desired. Will last a lifetime. Price 75 cents each, \$7.50 per dozen.

Olla Drinking Fountain, "Red"—for Poultry. These fountains are made of a heavy natural red clay, baked sufficiently to make them porous. This process gives them the effect of the old Spanish Olla, so excellent for keeping drinking water cool and in a sanitary condition. Prices 1 quart 25 cents, 2 quarts 35 cents, 1 gallon 45 cents. Special price by the dozen.

THE "C. E. F." POULTRY FOUNT

This is really a fountain giving flowing water just like that from a spring.

The water in "C. E. F." founts is just like water in a brook flowing from a spring—perfectly clean and fresh. The dripping water from the faucet keeps the cup continually full and overflowing so that it washes away all the spittle left by the birds in drinking, thus making it impossible for disease to spread among your flock.

It saves one-third your expense for labor and prevents disease in your flocks.

You are wise and will equip your yards and brooder pens with the "C. E. F." Poultry Fount. Price 50 cents, complete.

Send for circular.

White Wyandottes and White Orpingtons

WINNINGS

January, 1911

White Wyandottes

1st Cock, 1st Hen, 1st
and 2nd Cockerel and
1st Pullet

White Orpington

1st, 3rd, 4th and 5th
Pullets
2nd and 4th Hens

Arthur W. Huskins

713 Waterloo St.
LOS ANGELES, CAL.

WHITE CHIEF
1ST PRIZE WINNER
LOS ANGELES

TOOLS AND IMPLEMENTS FOR POULTRYMEN

BONE AND CLOVER CUTTERS

MANN'S NEW MODEL BONE CUTTER
NO. 7

MANN'S BONE CUTTER

Is down to date in every detail, embracing a dozen radical improvements, which have increased its efficiency fully one hundred per cent. Among the most important improvements are its enlarged table, open hopper (an advantage in cleaning the knives and hopper after using), and new device to control feed, enabling the operator to set it to suit any strength desired by turning a small thumb screw. Will slice vegetables the same as bone.

Ask for Mann's special catalogue on Green Bone and Vegetable cutters and Clover cutters.

Extra Knives for Mann's Bone Cutters, 35 cents each; set of 6 knives, \$2.00.

MANN'S GREEN BONE CUTTERS

Will cut fresh bone with meat and gristle attached. Green bone when cut and fed to poultry will double the number of eggs; will make little chicks grow faster; will mature broilers earlier; will stop egg eating and feather-pulling, and increase the fertility of the eggs.

List of Mann's Green Bone and Vegetable Cutters

No. 5	Balance wheel, closed hopper; 66 lbs.	\$ 9.50
No. 7	Balance wheel, open hopper; 107 lbs. (see illustration)	15.00
No. 7½	Same as No. 7, with open power attachment; 150 lbs.	19.00
No. 9	Same as No. 7, with open power attachment, but larger; 170 lbs.	21.50
No. 11	Same as No. 9, with power attachment; 215 lbs.	30.00

There are several larger sizes of bone cutters which we can secure on application.

MANN'S CLOVER CUTTER

Made entirely of Iron and Steel, cannot warp or shrink. It cuts any kind of hay or clover, either dry or green, and more rapidly than any other. All dangerous parts are enclosed, so that children will run no risk in using it. Price, with stand, \$12.00. Price without stand, \$10.00.

"NEW MODEL" CLOVER CUTTER

Will cut either green or dry clover, alfalfa, straw, vegetable tops, etc., in one-eighth inch length, suitable for chicks or grown fowls. The cutter bar is adjustable, and easily accessible for sharpening; the four 7-inch spiral steel knives can readily be removed for sharpening. Has large capacity, strong feed and runs easily. Length of cutter 28½ inches. Weight 60 pounds. Price \$11.00.

PERFECTION ALFALFA CUTTER

This machine will cut hay, grass, clover, cabbage leaves, and in fact any kind of green feed for fowls. Size 16 inches long by 11 inches wide. Weight 7 pounds. Price \$3.50.

AMERICAN MEAT AND VEGETABLE CHOPPER

This is the best thing ever offered of its kind; will chop anything, except bone or similar hard substances. These cutters do not grind, tear or mash the food, but cut it fine or coarse as desired. Prices as follows:

- No. 1. 8-inch Cylinder. Weight 15 pounds. Price \$5.50.
- No. 2. 10-inch Cylinder. Weight 21 pounds. Price \$7.50. Cuts 2 pounds per minute.
- No. 3. 12-inch Cylinder. Weight 37 pounds. Price \$10.50. Cuts 3 pounds per minute.

PERFECTION ALFALFA CUTTER

Perfection Alfalfa Cutter. This machine will cut hay, grass, clover, cabbage leaves, or any kind of green feed for fowls. Size 16 inches long by 11 inches wide. It will cut enough feed in one minute for three dozen fowls, and by means of the adjustable gauge can be regulated to cut from ¼ inch to any desired length; \$3.25, weight 7 lbs.

GOODACRE'S BLUE RIBBON STRAINS

ANCONAS

The Practical Egg Machine

RHODE ISLAND REDS

Always popular—our great exhibition and laying strain

BUFF ORPHINGTONS WHITE RUNNER DUCKS

EGGS

DAY-OLD-CHICKS STOCKS CATALOGUE

GOODACRE BROS.

Box "S" Compton, Cal.

POULTRY *Germain's* SUPPLIES

TOOLS AND IMPLEMENTS (Continued)

ENTERPRISE BONE, SHELL AND CORN MILLS Capacity—60 pounds of Corn per Hour

It is a well-known fact that ground bones and shells, cracked corn, etc., are excellent for poultry. This Mill is especially adapted for grinding bones (when dry only), Oyster and other Shells, Corn, Roots, Bark, Grain, Salt, etc. When it is considered Ground Bone is one of the best fertilizers, the mill soon pays for itself for that purpose alone.

It is a general Mill for Farmers, Poultrymen, etc., and for compactness, strength and durability we regard it as unexcelled. Price \$9.00.

This Mill is not Intended for Grinding

"Green Bones." "Green Bones" can only be shaved not ground

WILSON'S PATENT GRINDING MILL

The No. 1 Hand Bone, Shell and Corn Mill for poultrymen. This mill will grind dry bones, shells, all kinds of grain, gravel, stones, old crockery, etc.

We also furnish a sieve attachment to this mill to take out the dust when crushing shells; and also in cracking corn to take out the fine meal. Price 60 cents extra. Weight without stand, 36 pounds. Price \$5.50. Weight with stand, 64 pounds. Price \$7.00.

STOVER NO. 35 POWER OR HAND GRINDING MILL

This mill will grind dry corn and small grains, also dry bone and oyster shells if they are first broken into small pieces. It will not grind green bone, vegetables, table refuse or wet grain at all. Price \$10.00.

TENNESSEE GRINDING MILL

(For grain only). A cheap and handy grinding mill. It can be readily taken apart for cleaning or oiling, without the use of tools. Easily adjusted for fine or coarse grinding. If you live in the country you can always have fresh Graham flour meal, as well as Corn meal for the table. Weight 12 pounds. Price \$2.75.

BLACK HAWK GRIST MILL A Convenience and a Money Saver

BLACK HAWK GRIST MILL

The Black Hawk Grist Mill grinds Corn into meal, wheat into graham flour, or will crack it for breakfast foods. Grinds rice into flour cracks peas for soups; grinds beans, coffee, spices, salt, sugar, and makes buckwheat flour.

For people who keep poultry the Black Hawk Grinder has a double value. It has been proven by poultry experts that cracked grain is much more valuable than whole grain for feeding to fowls. Weight of mill 17 pounds. Price complete \$3.50. Extra grinders, per pair, 40 cents.

BLACK HAWK CORN SHELLER

Very strong and durable, made of Malleable Iron and Chilled Iron. Just the thing. Price \$3.00. Special pamphlet giving full description FREE.

Stover Grist Mill (No. 32). A great big hand grinder that will save its cost several times a year and will furnish one or two bushels per hour of fresh ground corn, oats, peas, dry bone, oyster shells, etc., for poultry feed. A child can operate it. Shipping weight 40 pounds. Price \$5.00.

STOVER GRIST MILL

CYCLE INCUBATORS AND BROODERS

We have a complete stock of Cycle Incubators and Brooders. Prices, Cycle Hatcher \$6.00; Brooder Hatcher \$8.00; 50 Chick Fireless Brooders \$2.75. F. O. B. Los Angeles. Ask for catalogue.

"TYCOS" HYGROMETER

The handling of moisture in incubators has been entirely guesswork, there being no absolute method of ascertaining the amount in the egg chamber. Therefore, moisture was supplied when it should not have been, and not supplied when it should. With the use of the "Tycos" Hygrometer the correct amount of moisture can be attained in the incubator. Every incubator operator should use one no matter what make of machine he is using. Price \$1.50, postpaid. Wicks for "Tycos" Hygrometer, 10 cents each.

THERMOMETERS

GERMAIN'S INCUBATOR THERMOMETER

BROODER THERMOMETER

GERMAIN'S HIGH GRADE TESTED THERMOMETERS. The best incubator or brooder manufactured is worthless unless the thermometer used therein is accurate. We offer no thermometers that have not aged at least two years. Price postpaid, 75 cents.

TRIANGULAR METAL BACK THERMOMETERS, WITH CERTIFICATE. Absolutely correct temperature in incubation means profit and satisfaction. The degrees are etched on the tubes, as well as engraved on the metal. Price \$1.50.

CYPHER'S HALF ROUND BROODER THERMOMETER. Is mounted on a long wooden stem to drop in the brooder from a round hole cut in the top with a portion of the Thermometer above the brooder, so the temperature can be seen from the outside. Price postpaid, 50 cents.

FELT FOR INCUBATORS AND BROODERS, 72 inches wide, 75 cents per yard.

GARDEN *Germain's* REQUISITES

SPRAY PUMPS, NOZZLES AND APPLIANCES

DEMING SPRAY PUMPS THE DEMING "AEROSPRA"

A compressed air sprayer of improved design with several new and valuable devices on which we have applied for patents. For several years some of our agencies and principal customers have wanted us to put on the market hand a compressed-air sprayer. We were then engrossed with our regular lines but now have devised one with new features of portability and an ingenious detachable cylinder and filling device, making it the "best yet" of its kind. The operator can pump and spray at rest, until the reduced pressure requires pumping again. Price \$9.00.

The Samson Double-Acting Sprayer, 125 to 150 pounds pressure for barrel or tank. The "Samson," is a powerful pump. We recommend this outfit where a large number of trees are to be sprayed, and where a heavy pressure is desired.

The pump has an extremely large air chamber (18 gallons capacity), allowing the operator to pump and rest alternately. The cylinder is brass-lined, and all other working parts, including the ball valves and seats are brass. All parts are accessible, and the air chamber can be readily taken apart. There are no stuffing boxes in this pump. Complete, with twenty-five feet of 1/2-inch hose, with couplings, pole holder, double spraying attachment and Demorel nozzles. Price \$45.00.

DEMING AEROSPRA

The Prize Spray Pump is all that the name implies. Every part of the "Prize" pump is brass, with the exception of the handle and foot rest, which are of malleable iron. It is regularly provided with the "Bordeaux" nozzle. The foot rest measures 12 inches in height. The many testimonials received from purchasers of this pump are evidence of our success. Will spray whitewash or any other mixture. No leather valves. Throws a continuous stream. Packed in neat strawboard boxes. Price \$5.00.

The Captain Barrel Sprayer. The "Captain" is in the front rank of all sprayers of its class. It is a medium-price outfit for the every-day farmer, fruit grower, and gardener.

The pump is made in one size with 1 1/4-inch Brass Tube Cylinder, has Brass Ball Valves and Valve Seats, and Brass Plunger with improved packing. The Air Chamber is ample in capacity, and is made of 2 1/4-inch boiler tubing. The discharge connection is fitted for 1/2-inch hose. Price \$11.00, with Bordeaux Nozzle.

The Perfect Success Spray Pump. In general construction the "Perfect Success," is the same as the Prize spray pump, but it has a special adjustable foot rest which clamps bucket and pump firmly together, so that the entire outfit may be carried in one hand. Four feet of 3/4-inch hose and our "Bordeaux" nozzle are furnished. Price \$5.00.

SINGLE CONE BELLOWS

Improved Single Cone Powder Bellows is recommended for spraying powder on insects, rust, smut, mildew, blight, rot in greenhouses, gardens, orchards or fields; for sulphuring plants and rose bushes it has no equal. Made in four sizes. Price 80 cents, \$1.25, \$1.75 and \$2.25.

Ask for Deming's special spray pump catalogue.

BRANTS "KING" SPRAY PUMPS

No. 5-A. These pumps are of large capacity and are very powerful. The pump cylinder is two inches in diameter by 7 inches in length with a 4 1/2 inch stroke. The air chamber is three inches in diameter which gives great capacity and enables the operator to maintain a uniform pressure. The valves are 3/8 inch bronze balls and can be removed without taking the pump apart. The pump plunger is a special design—no rubber or leather being used in its packing—and which can be tightened without removing it from the cylinder. Castings for attaching pump to the end of a barrel are furnished unless otherwise ordered. Price, No. 5-A \$15.00.

No. 6-A pump has the same construction as our No. 5. Has 2 1/2 inch Pump Barrel with 4 1/2 inch stroke and a four inch longer air chamber. Has sufficient capacity to supply two leads of hose fitted with "Ideal" Double Discharge Nozzles. No equipment is furnished with pumps. Price, No. 6-A, \$18.00.

Myers Bucket Brass Spray Pump. Constructed of brass—a metal that is not affected by arsenite used in different formulas for spraying. Has brass ball valves, easy to operate, and gives extraordinary power. It will throw a solid stream 25 feet. No. 324, as shown in cut, is supplied with Myers Sprinkler Nozzle and a "Bordeaux" Nozzle for whitewashing, also foot rest and

LEVER
HANDLE
BUCKET
PUMP
No. 31

STAR POWDER GUN

lever handle. Price \$4.50. No. 325 is supplied with same nozzle as No. 324. Price \$3.50. No. 327 1/2 is supplied with an Imperial Nozzle and Myers Sprinkler Nozzle. Price \$3.00. Eight foot extension rods for Myers pumps, \$2.50 each. "Bordeaux" Nozzles for whitewashing. Price \$1.00.

LIGHTNING INSECT SPRAYER

The Lightning Insect Sprayer is adapted for all kinds of spraying purposes and is used largely by gardeners and florists, as well as for spraying disinfectants of every description; also Conkey's Lice Liquid. The air chamber is 18 inches in length and 1 1/2 inches in diameter. The reservoir holds about one quart. Price 50 cents. Special price by the dozen.

The "Brandt Easy" Sprayer is made with galvanized iron tank, and is designed for those who want a small sprayer. It works on the same principle as our regular sprayers and is equipped with shut-off nozzle and funnel. Capacity 1 gallon. Weight 3 pounds. Price \$2.50.

Powder Guns. For applying insect powder, etc. **Star**, 10 cents; **Jumbo**, large size, 25 cents; **Florodora**, 35 cents.

Ask for Myers Special Spray Pump Catalogue.

INSECTICIDES AND GERMICIDES

We are sole agents for Southern California.

An effective remedy indoors and out doors for destroying green, black and white fly, mealy bug, red spider, thrips, brown and white scale, slugs and all soft bodied insects. A sure remedy for the sweet pea aphid, the melon louse, cabbage worm and the potato beetle larvae.

Aphine is a spraying material readily soluble in water, its chief ingredients being essential oils and nicotine.

It can be applied to the most delicate foliage without injury. It is an excellent cleanser for decorative stock.

Sold in four sizes, gallons \$2.50, quarts \$1.00, pints 65 cents, half pints 40 cents, garden size 25 cents.

Arsenate of Lead. The most effective of all insecticides for spraying purposes. Especially adapted for use on tender plants and foliage. This can be successfully used to suppress leaf-eating insects. Use in proportions of 2 to 3 pounds Arsenate of Lead to 50 gallons of water, or two to four pounds of Lead to 100 gallons water if a weaker solution is desired. You can judge best of the strength to be used by your local conditions and uses. Price, 1 pound can 50 cents, 5 pound can \$1.25, 10 pounds write for quotations.

Bordeaux Mixture (Lion Brand). The most popular fungicide on the market, curing and preventing blight, black rot rust, scab and all diseases of vegetables and fruit. One gallon diluted in 49 parts water makes a most effective spray. Quart cans 50 cents, 1 gallon \$1.00.

Buhach or Persian Insect Powder. One of the most effective powders for killing all kinds of insects; non-poisonous to everything except bugs; owing to its fineness it penetrates the breathing pores and causes instant suffocation; 10 cents 1 ounce, 25 cents ¼ pound; 80 cents pound.

California Wash. A specific remedy for San Jose scale, oyster shell scale, etc.; full directions accompany each can. Pint 25 cents, per quart 50 cents; gallon \$1.00.

Gophergo. Operates on an entirely new plan; ordinarily poison has heretofore been ineffective because gophers and squirrels will not eat it. Gophergo attracts them on the same principle that catnip attracts the cat. They never fail to scent it, if placed within reach; the smallest quantity is sure death. Price 75 cents can 25 cts, 16 ounce can 50 cts. \$1 size and \$2.50 size.

Formaldehyde. It is of pronounced efficiency in destroying disease germs affecting both animal and plant life, and is successfully employed as a preventive of such fungoid diseases as potato scab, onion and grain smuts, musty corn and other affected seeds, damping off of seedlings, club root of roses, etc., for the restraining of decay in vegetables, fruits, etc., and as an antiseptic wash and spray for bark diseases, canker and wounds in trees. The dilution for most purposes is 1 pound (1 pint) Formaldehyde to 15 or 20 gallons of water and 1 to 2 gallons of

this dilution is required for treatment of every 100 pounds of seed. Price of Formaldehyde (40 volume per cent), 1 pound bottle, 40 cents; 5 pound bottle, 35 cents per pound; 10 pound bottle, 30 cents per pound.

Fungine. An infallible remedy for mildew, rust and other blights. Will destroy mildew on roses and not stain the foliage; effective cure for carnation rust and chrysanthemum rust; also for tomato, celery and other blights. Sold in two sizes, gallons \$2.00, quarts 75 cents.

Hammond's Slug Shot. Sure death to potato bugs, cabbage worms, rose bug, curculio and all lice, worms and caterpillars. Pound 10 cents, 100 pounds, price on application.

Kerosene Emulsion (Lion Brand). Very effective for destroying all plant lice, scales and sucking insects that affect the foliage. Full directions with each can. Per quart 50 cents; gallon \$1.00.

Kill-Sure Soap. Makes a good wash for killing scale and other insects on trees. Dissolve 1 pound in 6 gallons of water. In bars, each 2 pounds, 25 cents.

Knoxweed. Kills dandelions, plantain, burdock, thistle and other noxious weeds. It is a liquid compound, and is put up in containers, with dropper attached, ready for use. A few drops applied in the heart or center of the weed, and it dies, both top and root. No injury to the grass from using Knoxweed. Can 50 cents, gallons \$2.50.

Nicoticide. A fumigating compound for mealy bug, green fly, etc. Can \$1.25, large size \$2.50.

Nicotine, Thompson's Rose. Specially prepared for killing insects on plants, roaches, bedbugs, etc. Put up in small cans, 25 cents each.

Paris Green. ½ pound box 20 cents, 1 pound box 35 cents. Prices on larger quantities on application.

Sulpho Tobacco Soap. Exterminates insects. Used as a spray, small bar to one gallon of water. Small bar 10 cents, large size 20 cents, 10 pounds \$3.00.

Sulphur (Finest resublimed). Use no other if you wish results; prevents and cures mildew on peas, roses, grapes, etc. Per pound 5 cents, 100 pounds \$2.50.

Tree Tanglefoot. For protecting trees against climbing insect pests in a simple, economical and effective way, use Tee Tanglefoot—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months fully exposed to the weather. Easily applied with a small wooden paddle; 1 pound will spread 8 ft. long by 5 in. wide, 1-16 inch thick. Will stay on tree three months; 1 pound can 50 cents.

Tobacco Stems. For fumigating greenhouses, etc., for the destruction of insect pests. Per sack 75 cents.

Tobacco Dust. For green and black fly, etc., apply when foliage is moist; a fertilizer and a preventive against insects in the ground. Pound 15 cents.

To-bak-line Liquid. For spraying or fumigating; effective against green fly, mealy bug, and for killing insects on plants, trees, shrubbery of all kinds, bed bugs, roaches, etc. ¼ pint 75 cents, pint \$1.50, gallon \$15.00.

Whale Oil Soap. Makes an excellent wash for trees and plants kills insects and their eggs on the bark. ¼ pound 15 cents, ¼ pound 10 cents, 1 pound 25 cents. For price on large quantity please write.

F. and G. Spray. This product has been used with entire satisfaction by Mr. A. R. Meserve (Commissioner of Horticulture of Los Angeles County) against mealy bug, red scale, etc. We recommend it against all fungus growth, San Jose Black and Red Scale on Citrus and deciduous trees, ornamental plants and shrubbery.

FERTILIZERS

Domoto Plant and Fern Food. The best fertilizer for house plants. An odorless, soluble fertilizer. Put up in 2½ pound cans. Per can 25 cents.

Bradley's Lawn Fertilizer. See page 39.

Commercial Fertilizer. See page 39.

Leaf Mold. Fine for mixing in soil for potting house plants, ferns, etc. Per sack 75 cents.

Muriate of Potash. A form of potash salts to be used with bone meal and pure dried blood or natural fertilizers on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover and beans. It should not be used on potatoes, flax, sugar beets, cabbage or cauliflower; 100 pounds \$3.50.

Gypsoil Plaster is the highest form of Gypsum that can be manufactured. Price, \$1.00 per 100 pounds, \$4.00 for 500 pounds. Prices on larger quantities quoted on request.

Nitrate of Soda. A fertilizer very quick in action and used for the nitrogen it contains. It creates rapid growth, is odorless, very quickly and entirely soluble. It should be applied only when the plants are above ground, usually in combination with other chemical fertilizers. We will, without charge, if requested

so to do, send information regarding the use of Nitrate of Soda on any farm or garden crop in which you are interested. 100 pound bag \$4.00.

Pure Dried Blood. Confidently recommended where a high nitrogenous fertilizer is required; 100 pounds \$3.50.

Pure Raw Bone Meal. Finely ground and of first quality; decomposes rapidly in the soil; 5 pound bag 25 cents, 50 pound \$1.35, 100 pound \$2.50, 500 pound \$11.25.

Sheep Manure. See page 39.

Ammonia Plant Food Tablets contain nitrogen, ammonia, phosphoric acid and potash. This is a new scientific odorless concentrated fertilizer for potted plants. Takes the place of liquid manure. It starts the plants at once into a healthy and vigorous growth and makes them grow and bloom luxuriantly. They also kill worms and insects in the soil. Trial box 10 cents, mailed free. Large box 25 cents, mailed free.

Sulphate of Petash. This fertilizer is used on all crops, but especially on tobacco, potatoes, flax, sugar beet, cabbage and cauliflower. It is the best for greenhouse use; may be applied either dry or in solution, tablespoonful in twelve quarts of water is the usual amount; 100 pounds \$3.75.

LAWN MOWERS AND GARDEN REQUISITES

LAWN MOWERS

Our Special. This machine is made expressly for us; four blades of highest grade crucible steel; noiseless for operation; 12 in., \$5.00, 14 in. \$5.50.

(50) **Capitol Lawn Trimmer and Edger.** Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 in. wide. Price, \$6.00 complete.

Clean Cutter. A first-class four-blade, 14 in. ball-bearing lawn mower, made of solid cone steel, thoroughly hardened and ground; 14 in. \$5.00.

(48) **White Clover.** There is a great demand for a good, low-priced lawn mower. This machine is specially designed for this popular trade; 14 in. \$5.00, 16 in. \$5.00.

Crestlawn. Every bearing Ball-Bearing. Wheel, 11 in.; Ball-Bearing; Cone adjustment reel, 6 in. 5-blade; Ball-Bearing. The type of construction used in this mower produces the most rigid frame possible to build; 14 in. \$11.00, 16 in. \$12.00.

(51) **Pennsylvania Low Wheel.** Generally called the low-wheel Pennsylvania; 12 in. \$8.00, 14 in. \$8.75, 16 in. \$9.75.

Pennsylvania High Wheel. Ten-inch wheels, 4-blade cylinder especially adapted for lawns that cannot be mowed very often or where the grass is coarse; 15 in. \$13.00, 17 in. \$14.50, 19 in. \$16.00.

Pennsylvania Junior Ball-Bearing. The Pennsylvania Junior is the best known Mower for all classes of work; 15 in. \$13.75, 17 in. \$15.50, 19 in. \$17.00, 21 in. \$18.75.

Admiral Ball Bearing. Drive Wheel, 9 inches. Patent Cone adjustment. Cones cannot work loose. Cones hardened and ground. Four tempered tool steel knives on reel; 14 in. \$7.00, 16 in. \$8.00.

Wizard Plain Bearing. Drive wheel, 9 inches. Four tempered tool steel knives on reel. Under knife nicely tempered; 14 in. \$6.50, 16 in. \$7.50.

GRASS CATCHERS

Hunn's Automatic Grass Catcher. 12 to 14 in. 60 cents; 16 to 18 in. 75 cents.

Grass Catcher, Henley Simplex. This grass catcher is light and substantial. Steel bottom, No. 1, \$1.00; No. 2, \$1.50.

"The It" All canvas, instantly fit to any Mower. Size No. 1, 60 cents; No. 2, 75 cents.

(64) **Braun Canvas sides,** galvanized bottom that will not sag. Fit all Pennsylvania Lawn Mowers. Each \$2.00 and \$2.50.

(49) THE FINLEY ROTARY LAWN RAKE

We are sole agents for California, Arizona and New and Old Mexico.

Every one who has ever raked a lawn knows what a slow, hard, tedious job it is, and how unsatisfactory it is when done; for the rake will always miss some grass, leaves or other rubbish. The machine is constructed throughout of the best material and is so easy to push that a child can operate it. Simple and strong in construction, durable, with no intricate parts, it is the very acme of perfection as a rake, and will, when once generally introduced, be as indispensable as the lawn mower has become. In two sizes, 14 in. \$12.50; 20 in. \$15.00; delivered free anywhere in California.

PLANT STAKES

Round, Painted Green and Smoothly Turned

	Per Doz.	Per 100
2 feet, light.....	\$0.35	\$2.25
3 feet, light.....	.50	3.75
4 feet, light.....	.75	5.50
3 feet, heavy.....	.85	6.50
4 feet, heavy.....	1.25	8.00
5 feet, heavy.....	1.50	12.00
6 feet, heavy.....	2.00	15.00

Pot and Tree Labels all sizes. See page 107.

Ornamental Vases. For lawns and walks nothing can equal them for beauty and effect. Made of malleable iron and moulded in beautiful designs; makes an elegant display and lends an added charm to a place which would look otherwise incomplete. Write for prices and catalogue.

Pencils, Wolf's Indelible. Solid ink; will dispense with painting labels; 15 cents.

Raffia. (See also page 40.) Best tying material for plants. Pound 20 cents. Special prices on large quantities.

(36-39) THE BOSS ROLLER-HEART DESIGN

The only high-grade lawn roller on the market having a perfectly smooth face and a silver finish. The cylinders revolve on steel axles and fit neatly. The outer edges are beveled, thus greatly facilitating the operation of the roller. The cylinders are so geared that, when turning, one of the rollers remains in place while the other revolves, enabling the operator to work in small spaces and turn without danger of tearing up lawn or soil. These rollers are balanced with a heavy weight attached to the axle, which not only keeps them perfectly level, but holds the handles in an erect position when not in use.

- No. 1 15 in. in diameter, 15 in. long, in two sections, 7½ in. face, 150 lbs. weight. \$13.00
 No. 4 20 in. in diameter, 20 in. long, in two sections, 10 in. face, 250 lbs. weight. 18.00
 No. 6 20 in. in diameter, 24 in. long, in two sections, 8 in. face, 300 lbs. weight. 22.00
 No. 9 24 in. in diameter, 20 in. long, in two sections, 10 in. face, 400 lbs. weight. 26.50
 *No. 20 20 in. in diameter, 20 in. long, in two sections, 10 in. face, 300 lbs. weight. 25.00
 No. 15 28 in. in diameter, 30 in. long, in three sections, 10 in. face, 600 lbs. weight. 30.00
 Horse Lawn Rollers from \$75.00 to \$95.00.

*No. 20 is fitted with a weight box which can be loaded up to 500 pounds if necessary. These weight boxes can be furnished for other sizes, if wanted, at an additional cost.

(45) **Corn Planter, The Segment.** One hand corn and bean planter. The most accurate and up-to-date planter on the market. \$1.50.

(47) **Wheelbarrow.** This barrow is light, strong and durable, has steel wheel and axle, and we do not hesitate to say that it is the best barrow on the market. It is well painted, striped and varnished. Price \$4.00.

(41) **Potato Planter, The Acme "Tubular"** has spring-closed jaws, especially designed to enter the ground easily and yet open wide enough to drop the largest for any depth of planting. The conveyor-tube is of galvanized iron and tapered to avoid clogging. \$1.50 each.

(46) **Mole Trap,** easy setting, spear. Price \$1.00 each.

(43) **Olmstead's** sure death to moles. \$2.00.

The Reddick. Spear: \$1.00 each.

Traps, Gopher, "Dead Lock," 35 cents. "Star," 25 cents.
 (40) **Cahoon Seed Sower.** The standard Sower, superior to all other hand sowers. Gives perfect satisfaction and can be used for sowing alfalfa and all grains broadcast. Sows from four to eight acres per hour at a common walking gait. A person entirely unused to sowing by hand can use this machine with perfect success. \$3.50.

(44) **The Little Giant Seeders** are the lightest running and best sowing machines on the market. They have Iron Frames, Malleable Brace, Force Feed, Pressed Tin Distributing Wheel, and hand hold on the side, and the stirrer is the most effective feeder, placed on any machine. Price \$2.50.

FLOWER POTS

Packing at Cost.

	Each	Per Doz.		Each	Per Doz.
2 inch, 3 for...	\$0.05	\$0.20	7 inch.....	\$0.15	\$1.25
2½ inch, 2 for...	.05	.25	8 inch.....	.15	1.50
3 inch, 3 for...	.10	.35	9 inch.....	.20	2.00
4 inch.....	.05	.50	10 inch.....	.25	2.75
5 inch, 2 for...	.15	.75	12 inch.....	.60	6.00
6 inch.....	.10	1.00	14 inch.....	1.00	

Fern Pots, about half size of flower pots, prices are the same.

FLOWER POT SAUCERS

Packing at Cost.

	Each	Per Doz.		Each	Per Doz.
4 inch, 3 for....	\$0.10	\$0.35	9 inch.....	\$0.15	\$1.50
5 inch.....	.05	.50	10 inch.....	.20	2.00
6 inch.....	.05	.60	12 inch.....	.25	2.50
7 inch.....	.10	.75	14 inch.....	.40	4.00
8 inch.....	.10	1.00			

MISCELLANEOUS

Garden Lines. In balls, 35 cents.

Grafting Wax (Bee's Wax). Subject to fluctuation. Pound 50 cents. Prices on larger quantities on application.

Lion Brand. Package 15 cents, 25 cents and 50 cents each.

Grafting Cloth. Package 25 cents and 50 cents each.

Sprinkler, Scollay's Rubber. indispensable for floral work and window gardening, or sprinkling in any way. In sizes, 60 cents, 75 cents, \$1.00 and 1.25.

Sprinkling Cans. Galvanized: 4 qt. 50 cents, 6 qt. 75 cents, 8 qt. 90 cents, 10 qt. \$1.00.

Imported Sprinkling Cans. French Pattern, made out of aluminum, long spouts especially for greenhouse and nursery work; 6 qt. \$2.00, 8 qt. \$2.25, 10 qt. \$2.50, 12 qt. \$2.75, 14 qt. \$3.50, 16 qt. \$4.00.

Thermometers. We carry a full line of household, greenhouse, dairy and incubator thermometers.

Moss Green. Fine and fresh. Is not stained. The best for hanging baskets. Per pound 15 cents. Quantity price on application.

Sphagnun. Per bale of about 35 pounds, \$2.00.

Stakes. Bamboo. Fine for young trees and other light plants: 5 ft. \$1.25; 6 ft. \$1.50.

GARDEN *Germain's* REQUISITES

(14) **Dibble.** Germain's steel, dagger-shaped, tapering, all steel, 50 cents.

FORKS

(20) **Digging.** Short handled, 4-pronged, \$1.00 to \$1.35.

(30) **Digging.** Long, straight handle, 4-pronged, \$1.00.

(10) **Hay.** Two-pronged, 50 cents, 4-pronged, \$1.00.

Hand-weeding. Best steel, 50 cents. Cast Iron, 10 cents, 15 cents and 25 cents.

Manure. Four-pronged, \$1.00.

(15) **Grass Hooks or Sickles.** 40, 50, and 60 cents each.

HOES

Draw. Cast steel 5 in. 35 cents, 7 in. 50 cents.

(28) **Draw.** Planter's. Very useful, sharp-cutting, 6 in. 30 cents, 7 in. 40 cents, 9 in. 55 cents, 10 in. 60 cents.

(18) **Draw.** Warren or "Bayonet" hoes, 65 cents and 85 cents.

(4) **Push, Scuffle, or Dutch.** A very useful garden tool for keeping down weeds; 7 in. 60 cents, 8 in. 75 cents.

(13) **Hoe and Rake Combined.** According to size 35 cents to 55 cents.

KNIVES

Budding. English and German Imported, 50 cents to \$1.50.

Corn. 18 in. blades, kris-shaped, 50 cents.

(11) **Potato.** Humphrey's Concaved and Curved, 15 cents.

(21) **Pruning.** German imported (Henckel's) and American makes, 50 cents to \$1.75.

Manure Hooks. Fine steel and well finished, \$1.00.

Mattocks. With handles, \$1.25.

Orange Clippers, 35 cents to 60 cents.

Post-Hole Digger. \$1.00.

RAKES

(8) **All Steel.** 14 teeth, 60 cents, 16 teeth, 75 cents.

(5) **Lawn.** "Ohio Boy," galvanized; the teeth run right through the frame, forming 24 teeth on the one side and 12 looped teeth on the other, 55 cents. Wooden frame, 24 wire teeth, 60 cents. Wooden, 18 teeth, 40 cents.

Malleable Iron. Small 25 cents; large 40 cents.

"Ole Oleson." Wooden teeth. The best kind, suitable for raking leaves, etc., off lawns, 75 cents.

(22) **Steel Bow, Garden.** 11 teeth, 70 cents; 13 teeth 75 cents.

PRUNING SAWS

(9) **Brown's.** 16 in. 75 cents.

Disston's Crescent, upward cut, 12 in., and 14 in., 75 cents.

(31) **"Keen Kutter."** Double edge, 15 in. \$1.00.

Scythes and Snath, \$1.75.

SHEARS

(1) **Border or Edging,** 9 in. long handles, \$3.50.

Border or Edging. 9 in. long handles, with wheels, \$4.00.

Flower-Gatherers. A bar on the blade holds the stem of the flower after cutting; \$1.00 to \$1.50.

(25-26) **Hedge.** Sheffield, 8 in. \$1.50, 9 in. \$1.75, 10 in. \$2.00.

Rhodes, \$2.25.

(27) **Tree-Looping.** \$1.25 to \$2.50.

(17) **Tree-Pruning.** Lee's Telegraph, 6 ft. \$1.00, 8 ft. \$1.25, 10 ft. \$1.50.

(6) **Pruning.** Small, for ladies' use; made of fine steel, nickel plated, in three sizes, 80 cents, \$1.00 and \$1.25.

(32-34) **Pruning.** Henckel's German Imported, \$1.00 to \$3.50.

Grass. American, cranked handle, 6 in. blades, 50 cents; English cranked handle \$1.00.

SHOVELS

(24) **Short D Handled.** 75 cents to \$1.25.

(29) **Long Handled.** \$1.00 to \$1.75.

SPADES

Boys' or Ladies'. Small, 50 cents.

(2) **Best Makes.** Full size, D. Handled, \$1.00 to \$1.75.

Thompson Adjustable Tree Support. The cheapest, simplest and most efficient device upon the market for permanently supporting the limbs of all kinds of fruit trees. A tree securely trussed or tied together with this support will require no propping whatever even when heavily laden with fruit. Price \$12.00 per 1000 single hooks.

TROWELS, GARDEN

(19) **American.** 6 in. tinned, 10 cents, 7 in. 20 cents. Same, steel, 35 cents.

English. Shank and blade solid steel, 6 in., straight or crooked shank, 60 cents.

TURF EDGER

(12) **With Handle.** Used for trimming edges of lawns, 75 cents.

WEEDERS, HAND

(3) **"Excelsior."** Used for weeding seed-beds, stirring the soil, etc., 10 cents.

(7) **"Hazelbine."** One of the best; solid steel, good size and durable, 35 cents.

(42) **"Havil's Lawn."** (See illustration on opposite page.) The best tool for weeding lawns; will take out dandelion and other deep-rooted weeds, 35 cents.

(35) **Pond's "Handy."** The self-acting spring fork and shoe which serves as a fulcrum to pry out the weeds, are made of the very best materials and are therefore neat, durable and efficient. Made in two sizes. No. 1, with blade 1 1/4 inches wide by 8 inches in length, 35 cents. No. 2 with blade 1 3/4 inches wide and 8 1/2 inches in length, 40 cents.

(23) **Lifting.** A chisel blade cuts off the weeds; the trigger holds them so they can be pulled out; 75 cents each.

Stanley Weeder and Rake Combined. 35 cents each.

"PLANET JR." FARM AND GARDEN TOOLS

NO. 4 COMBINED TOOL

NO. 6 HILL AND DRILL SEEDER

NO. 25 COMBINED HILL AND DRILL SEEDER

NO. 17 SINGLE WHEEL HOE

NO. 12 DOUBLE-WHEEL HOE

12-TOOTH HARROW, CULTIVATOR AND PULVERIZER

"The best is always the Cheapest"
Send for "Planet Jr." Catalogue

NO. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE- CULTIVATOR AND PLOW

This is the most popular combined tool made. It combines in a single implement, a first-class hill-dropping seeder, a single wheel hoe or weeder, a cultivator and a plow. As a wheel hoe it is identical with the "Planet Jr." No. 17 Single Wheel Hoe, the very best machine on the market.

NO. 6 HILL AND DRILL SEEDER AND SINGLE WHEEL HOE

This seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills and also drops in hills at 4, 6, 8, 12 and 24 inches apart. It is thrown out of gear instantly by moving a convenient lever, or the flow of seed is stopped by pushing down feed rod. No time is lost, no seed is wasted. It is quickly set to sow the different kinds of seeds, in the exact thickness required. The accurate hill-dropping drill, which gives a regular stand of plants with the least seed, saves its cost over and over again in seed alone. Price complete, \$14.50; as a drill only, \$12.00; as a wheel hoe \$7.00.

NO. 8 HORSE HOE AND CULTIVATOR

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle. It opens and closes furrows, hoes right up to the plants without danger of injuring, throws dirt to or from the row and back from center again. You can set the hoes at any angle or reverse altogether, cultivate to any depth desired, and adjust for any width. Price \$10.50. Without depth regulator (order as No. 7), \$10.00.

NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

Two acres a day can easily be worked with this implement, and when it is done it will be a better job than three men could have done in the same time with hand hoes. The No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. The No. 12 has a pair of 6 inch hoes, a pair of plows for opening or covering, and a set of four all-steel cultivator teeth. Price, \$7.85.

12-TOOTH HARROW, CULTIVATOR AND PULVERIZER

With the 12-tooth harrow here shown, you go as deep or as shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. Price, complete, \$10.50; without wheel, \$8.60; without the wheel and pulverizer, \$7.30.

NO. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW

For easy gardening, and at the same time clean and perfect gardening, nothing is quite the equal of this No. 17 Wheel Hoe. It is suited to all kinds of garden cultivation and all garden crops. The No. 17 has a pair of 6 inch hoes, a plow, and a set of cultivator teeth, an outfit sufficient for most garden work. Price, \$5.75. No. 16, with a pair of rake and leaf-lifters in addition to the above equipment. Price, \$6.50. No. 17½, with hoes, cultivator teeth and leaf-lifter. Price, \$5.25. No. 18, with hoes only. Price \$4.25.

NO. 25 COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

This combined machine is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and prefer not to buy separate machines. As a wheel hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the very best machine on the market. Price \$14.50.

THE FIRE-FLY GARDEN PLOW

This tool is most useful to owners of small gardens. It will throw a furrow 4 to 6 inches wide, and 1 3 to inches deep. The furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed, and plow back again.

Chicken raisers find it of great advantage in plowing up their scratching yards. Price, \$3.00.

NO. 8 HORSE HOE AND CULTIVATOR

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