

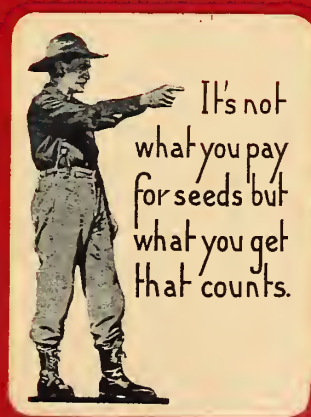
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LILLY'S

ESTABLISHED 1885

SEEDS



It's not
what you pay
for seeds but
what you get
that counts.

1920

SEATTLE

PORTLAND



LAWN GRASSES BEAUTIFY

Western Homes

It has been aptly stated that "A home in a garden is more than a house in a vacant lot."

There is probably nothing which contributes so much to the attractiveness of a home as a well kept lawn, and this applies equally no matter where the location or what the climatic conditions may be.

Washington State is noted for its beautiful lawns as the climate is very favorable to the growth of those velvety, carpet-like lawns which are so much admired.



IMPORTED LAWN SEED

This mixture is composed of the very finest growing grasses which have been carefully chosen to suit the climatic and soil conditions on the Pacific Coast and will produce a firm, velvety, rich green turf of uniform color, which will remain green all the year.

It is the result of many years' practical experience and the best that money can buy.

Sold in sealed packages only.

Price

1 lb., 45¢.

4-lb. Package, \$1.75

Postage Additional



NONPAREIL LAWN SEED

Standard for the Northwest

Nonpareil Lawn Grass Seed is a mixture of many suitable hardy grasses; scientifically selected to produce a green lawn all the year, and form a thick, matted turf with roots reaching far into the ground to withstand drought and prevent heaving in winter. Especially adapted to the Pacific Coast. It contains White Clover to make a quick showing and act as a nurse crop for the grasses.

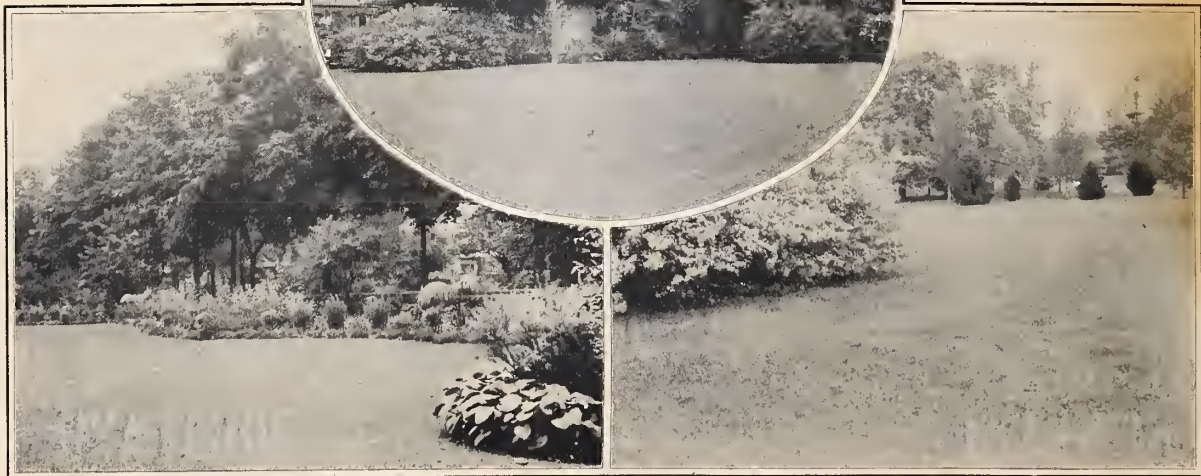
The grasses are not so fine as those in our Imported Lawn Grass Mixture, but will produce a splendid lawn with less care, and is recommended where endurance is desired. One pound of seed is sufficient for about three hundred square feet of new lawn, or to renew about six hundred square feet of old lawn.

Price - 1 lb., 30¢. 5 lbs.

or more, 25¢ per lb.

(Subject to Change)

Postage Additional



Lilly's Lawn Dressing is the best fertilizer for Lawns - Keeps the grass green.

The Appeal of Growing Things—

It's a normal trait in human nature to love to "grow things"—to develop rich luxuriant foliage, gorgeous blossoms and flawless vegetables and flowers. But what's a house—no matter how attractive—unless the Gardens amid which it is set are equally attractive and suitably planned? And do you know how much of the Garden beauty and effectiveness are due to THE SEED?

1885—1920

For thirty five years the name **LILLY'S** has been synonymous in the west with high grade seeds—seeds that you can sow with confidence knowing that all other conditions being suitable, you may anticipate satisfactory crops. And the superiority of **LILLY'S** Seeds is freely acknowledged—their careful selection and growth has earned for them a distinctiveness which is recognized by every Western planter. They represent the truest form of garden economy both in money and labor.

Gardening Saves Money

A quarter-acre garden, if properly planned and cared for, will produce far more vegetables than the average family can consume. Beets, late Cabbage, Carrots, Celery, Onions, Parsnips, Potatoes, Salsify, and Turnips may be grown and stored for winter use. The quarter acre will produce vegetables which, if purchased in the market, would exceed \$60.00 or even \$100.00 in cost. Not only is it possible to reduce the cost of the family's food materially by taking advantage of the possibilities of the home garden, but the satisfaction of having a supply of vegetables near at hand, so that, regardless of market conditions, the list may be varied, is something that can not be measured in dollars and cents. By means of the home garden the production of the vegetable supply for the family is directly under control, and this is the ONLY WAY to secure fresh produce. Besides in greater home production lies the solution to the present day problem of the high cost of living.

Be Friendly

Write us freely about your seed requirements and the earlier you do it the better. The best time to order is immediately after receipt of this catalog.

The logo features the word "LILLY'S" in a stylized, bold, serif font. The letters are white with a black outline, set against a dark, curved background that resembles a banner or a stylized 'S' shape.

ESTABLISHED 1885

Man and the Garden



ADAM and Eve lived in the beautiful Garden of Eden, the first that was ever created, and so wonderful in its fashioning that gardeners ever since have been aiming to equal it, but without success. And ever since Adam and Eve were driven out of it and into the gardenless world, Man's great desire has been to make for himself again a little garden in which to spend his leisure moments, and surround himself with the beauties of Nature. And, as the centuries go by, this desire becomes stronger and more articulate. The love of gardening always grows.



Columbia Mammoth

Columbia Mammoth

A superior variety of this delicious early spring vegetable, which should have a place in every home garden. Of exceptionally large size, white, tender, and unexcelled in flavor.

Pkt. **5c** Oz. **10c** $\frac{1}{4}$ lb. **30c**
Postpaid.

Our Knowledge

After careful tests and observation of practically all varieties of the common garden vegetables we have chosen those listed in the following pages, as being most desirable for the west. Thirty-five years' experience, a vast outlay of time, money and material has given us a fund of knowledge which we wish to impart to you by suggesting the use of certain special vegetable and grain seeds our experience proves to us are the most suitable for the Northwest and which we ourselves believe in to the extent that we feel justified in claiming them to be

"The Best for the West"

Only tested seeds should be planted. It is provoking to put in long hours preparing a garden only to find that the seeds you have planted will not germinate. Every lot of seed which leaves our plant has been tested for germination and purity. With correct conditions of soil and a fair amount of attention you will be rewarded with a crop which will convince you of the importance of laying aside guess work and plant only

Lilly's Tested Seeds

Useful Pointers

Precautions to keep vegetable plants healthy and robust, especially by frequent cultivation, weeding and watering, will repay both time and expense.

Where artificial watering is necessary, a good rule is to "water much and seldom—never little and often." Light watering in hot weather results in a baked surface.

Vegetables should be gathered before they become too ripe. This will ensure better quality and prolong the yielding period of the plants.

Asparagus

One ounce of seed will produce about 500 plants.

Palmetto

A very early and prolific variety, producing an abundance of very large deep green shoots of the best quality with a distinctly pointed tip.

Pkt. **5c** Oz. **10c** $\frac{1}{4}$ lb. **30c**
Postpaid.

Giant Argenteuil

The popular French variety, producing large, thick green stalks, sometimes nearly an inch in diameter, with few scales; the stalks retain their thickness completely up to the top and have close round heads.

Pkt. **5c** Oz. **15c** $\frac{1}{4}$ lb. **35c**
Postpaid.

Artichoke

Large French Green Globe

A delicious vegetable which is very popular in Europe and deserves to be more generally grown. The plant resembles a mammoth thistle. The edible portion is the immature flower heads, which are boiled and served with butter dressing. The young suckers which spring up around the bottom of the plant are also used, served like asparagus. The flower heads are not produced until the second season. It is a perennial, and will last for several years. It is not at all similar to the Jerusalem Artichoke, the edible portion of which is the tubers, which are used mostly for stock food, and are listed in Farm Seed Section of this catalog.

Pkt. **5c** oz. **\$1.25** $\frac{1}{4}$ lb. **\$3.50** Postpaid.

Bush Beans

LILLY'S Jones' Stringless Wax

A Delicious Yellow, Podded, White Seeded
Dwarf Variety

A comparatively new variety, very popular with many of our customers. The pods are a beautiful waxy yellow, very large and nearly straight, round, plump, full, very brittle, stringless and without fiber. In flavor and quality they are unexcelled. The ripe dry seeds are white and are excellent for shelled beans. The plants are of medium size, thick stemmed, erect, without runners, early and productive. See illustration.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.50**, Postage extra.

LILLY'S Golden Jersey Wax

Yellow Podded Bush Bean

An improved strain of the old standard Golden Wax which has been so universally grown in all sections of the country for many years. The plants are small, hardy, very erect, vigorous, thick stemmed, without runners, early and productive. The pods are rich golden yellow, broad and thick, solid fleshed, of splendid quality, tender, brittle and stringless.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.50**, Postage extra.

Golden Wax

Very popular for both the home garden and for market. The pods are of medium length, broad, flat, golden yellow, very fleshy, wax like and stringless. The plants are erect, compact, and produce early and abundantly. The seeds are of medium size, oval, white, mottled with red.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.00**, Postage extra.

Davis White Kidney Wax

A handsome wax podded variety, very popular for shipping. The plants are very hardy, productive and medium early. The pods are light yellow, straight, remarkably long, crisp and tender. The seed is medium size, kidney shaped and clear white. The dried beans are excellent for baking.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.00**, Postage extra.

Prolific Black Wax

An improved strain of black wax and is an exceptionally productive dwarf, wax-podded variety; hardy, reliable and of the best quality. The pods are of medium size, curved, cylindrical, fleshy, and of light golden color. The seeds are small, oblong and jet black.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.00**, Postage extra.

Refugee, or 1000 to 1

A very productive, hardy, vigorous late sort, much in favor for canning. Pods 5 to 5 1-2 inches long, somewhat slender, round and slightly curved; fine grained and good quality.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.00**, Postage extra.

Broad Windsor

The old English "Broad Bean"—largest and best of its class.

Pkt. **15c**, 1 lb. **25c**, 10 lbs. **\$2.00**, Postage extra.



LILLY'S

Golden Jersey Wax



Kentucky Wonder

Bush Beans

LILLY'S Longfellow

Longfellow is an extra early green podded snap bean, producing splendid crops of very long, round, straight, solid, fleshy pods, which are deliciously tender and brittle. The flavor is excellent. The plants are robust, without runners, and very productive. Lilly's select stock is sold in sealed packages only.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.00. Postage extra.

Dwarf Horticultural

An early green podded bush bean, splendid for either snap or green shelled beans; the dried beans may also be used for baking or soup. The pods are of medium length, slightly curved and when nearly developed are freely splashed with bright red. The plants are erect, compact, without runners, and fairly productive.

Pkt. 15c. 1 lb. 30c. 10 lbs. \$2.50. Postage extra.

Burpee's Bush Lima

The most generally grown bush lima bean, growing about twenty inches high and bearing exceptionally large pods and beans of fine quality. Medium early.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.50.

Postage extra.

Burpee's Stringless

A very early, hardy green podded bean of excellent quality. The pods are round, straight, about five inches long, very meaty and entirely stringless.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.00.

Postage extra.

Pole Beans One pound will plant 125 hills

LILLY'S Carmine Pole

The Best Pole Bean for the Northwest

The most attractive pole bean for snap, green, shell or dry shell beans, for home or market. The pods are brilliantly splashed with bright carmine on a greenish yellow background, very long and flat, generally straight, surface smooth, very brittle, entirely stringless, without fibre. Free from anthracnose. Sold only in sealed packages.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.00. Postage extra.

Kentucky Wonder

One of the best early pole snap beans for home or market. The snap pods are green, with wrinkled surface, very long, curved, extremely brittle, without fibre.

Pkt. 15c. lb. 35c. 10 lbs. \$3.00. Postage extra.

Lazy Wife Pole

One of the most popular kidney pole varieties, and the best late pole bean. Of superior quality as snaps, and excellent for green or dry shell beans.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.25. Postage extra.

King of the Garden or Large white Lima

The best pole Lima bean, but not so well adapted to the Northwest as the bush varieties. Unsurpassed in productiveness; large, handsome pods and seeds.

Pkt. 15c. 1 lb. 40c. 10 lbs. \$3.75. Postage extra.

Scarlet Runner

Popular for both ornamental and culinary purposes. Grows about ten feet high, bearing large scarlet flowers followed by large greenpodded beans.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.25. Postage extra.

Lady Washington Field Bean

An improvement over the old Navy Beans; is earlier, larger and more productive. Especially adapted to the west.

Pkt. 15c. 1 lb. 25c. 10 lbs. \$2.25. Postage extra.

Broccoli

Large White French

The heads resemble cauliflower, and it is used in the same manner, but is hardier. Pkt. 5c. oz. 70c. ¼ lb. \$2.00 Postpaid

St. Valentine

The finest quality of its class producing firm heads very early.

Pkt. 5c. oz. \$1.25 ¼ lb. \$4.00 Postpaid.

Brussel Sprouts

Dwarf Improved

The heads or sprouts are formed on the stalk of the plant, are one to two inches in diameter and resemble miniature cabbages.

Pkt. 5c. oz. 30c. ¼ lb. 90c. Postpaid.

LILLY'S Small White Pole Lima

The only Lima which is certain to reach maturity here. Excellent for snap or green shell beans. Pods are six to seven inches long and contain five large, flat beans. Similar to Scarlet Runners, excepting that flowers and beans are white.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.00. Postage extra.

Horticultural or Speckled Cranberry

The best of the horticultural varieties for general use. Equal to Lazy Wife as a general purpose late snap and green shell pole bean for home or market.

Pkt. 15c. 1 lb. 35c. 10 lbs. \$3.00. Postage extra.

Small White Navy

A splendid field variety and excellent for baking.

Pkt. 15c. 1 lb. 25c. 10 lbs. \$2.25. Postage extra.

Beet

An ounce will sow 50 feet of drill, 5 to 6 lbs. to the acre

JILLY'S Crimson Globe

Best Second-Early and Main Crop. The finest of all for the home garden, also popular with market gardeners. The beet is nearly globular, slightly elongated, of medium size, about three inches in diameter with small tap-root. The flesh is deep crimson, beautifully ringed or zoned, and is free from stringiness or woodiness. Our seed is specially grown from the choicest strain, and is sold in sealed packages only. Pkt. **10c.**, oz. **20c.**, postpaid.

Detroit Dark Red. Considered to be the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The leaves are dark green shaded with red. The roots are medium-sized, globular or nearly round, very smooth and of dark red blood color. The flesh is deep vermilion-red, zoned with a lighter shade of the same color. Very desirable for bunching. Pkt. **5c.**, oz. **15c.**, postpaid.

JILLY'S Crosby's Egyptian

An improvement over the old Extra-Early Egyptian. It is fully as early as the old variety, and excels it in all other respects, being larger, smoother, thicker, and of much finer quality. The color is rich vermilion, slightly zoned; it is fine grained, tender and sweet, and does not become woody or hard. Sold only in sealed packages. Pkt. **10c.**, oz. **20c.**, postpaid.

Early Egyptian. An extra-early variety, suitable for forcing and early garden culture. The beets are small and flattened; dark red; sweet and tender. Pkt. **5c.**, oz. **15c.**, postpaid.

Early Blood Turnip. A standard medium variety of excellent quality; also good for summer and fall use. The flesh is deep red, zoned with lighter shade; sweet, crisp and tender, nearly round. Pkt. **5c.**, oz. **15c.**, postpaid.

Long Smooth Blood. A standard long late variety—roots 12 to 14 inches. Flesh deep purplish red; good quality and excellent keeper. Pkt. **5c.**, oz. **15c.**, postpaid.

Eclipse Blood Turnip. Very early, of uniform, globular shape, deep red color, fine grained, tender and sweet. Popular for both market and home garden. Pkt. **5c.**, oz. **15c.**, postpaid.

JILLY'S Swiss Chard Lucullus

SPINACH or SEA KALE BEET

Lucullus is the newest, largest and best variety of Swiss Chard. This type of beet is grown for its large, tender, succulent leaves, which make the most delicious greens, or the thick fleshy leafstalks, which are cooked and served like asparagus. The seed is planted in the spring the same as beets, and tops are cut off as wanted during the summer, fall and following spring. Pkt. **10c.**, oz. **20c.**, postpaid.



Swiss Chard

Crimson Globe

One ounce of seed
should produce
1500 to 2000
plants



LILLY'S Early Jersey Wakefield

An Improved Strain of the Standard Extra Early and Popular Variety

This old standard variety is one of the most popular extra early cabbages and is more generally grown. It is equally popular for either the home garden or for market. The heads are pyramidal in form, pointed at the top, with but few outside leaves, and are uniformly solid and of fine quality and flavor. The plants are extremely hardy, and on the Pacific Coast the seed is sown in fall and the plants wintered over in the open ground. Our seed is grown in the Puget Sound country and is a particularly fine strain.

Pkt. 5c, Oz. 70c, $\frac{1}{4}$ lb. \$2.00, Postpaid.

All Head Early

A large heading early variety of good quality. May be planted late and used in fall and early winter. The plants are compact, with few outer leaves. Stems are short. Heads are large, solid, and flat, but very deep. Remarkably free from "spreading" leaves thus permitting close planting and increased yield per acre.

Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70, Postpaid.



One of our crops of Early Jersey Wakefield Cabbage growing for seed

Cabbage

First Early Varieties

LILLY'S Copenhagen Market

An importation from Denmark, and is really a wonderful cabbage. Although it is very early, the round, solid heads grow to very large size, 10 to 12 pounds. The heads are very nearly globular, very solid, of excellent quality, are produced on short stems and have few outer leaves. The plants are hardy, sturdy, and may be depended upon to produce solid heads at an early season.

Our seed is grown in the Puget Sound country, (where the best cabbage seed is produced), from seed stock imported direct from Denmark.

Pkt. 10c, oz. 75c, $\frac{1}{4}$ lb. \$2.00,

Postpaid.

Early Winnigstadt

An excellent variety, but not so early as Early Jersey Wakefield. The heads are similar in form and size, but are more sharply pointed; very hard and the leaves are tightly folded.

Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70,

Postpaid.

Charleston Wakefield

The heads are very similar to Early Jersey Wakefield in form, but are larger and a few days later. They are of the same fine quality. This variety is a favorite with market gardeners.

Pkt 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70,

Postpaid.

Cabbage

Second Early Varieties

LILLY'S Glory

A Splendid Second Early Variety;
Round Solid Heads

Although this is very early for a round-headed cabbage, it is a splendid keeper and is excellent for winter use. The heads are of good size, almost perfectly round, extremely solid and heavy, deliciously tender and of the finest quality. The plants are of vigorous growth and are sure heading. Our seed is grown in the Puget Sound country, famous for producing the best cabbage seed.

Pkt. 10c Oz. 50c $\frac{1}{4}$ lb. \$1.70 Postpaid.

LILLY'S All Seasons, or Succession

One of the Most Satisfactory Second Early
Cabbages for General Use

A very desirable second early or intermediate season cabbage. As its name implies, it is adapted for either summer, fall, or winter use. The heads become solid long before they are fully grown, and may be used at that time or during the long season until they are mature. It is not liable to split. The heads are very large, nearly round, slightly flattened, very solid and of excellent quality. This variety is especially adapted to the Pacific Coast, and makes a splendid showing in our seed fields. Our seed is grown in the Puget Sound country, and is of exceptionally fine quality.

Pkt. 5c Oz. 50c $\frac{1}{4}$ lb. \$1.70 Postpaid.

Early Flat Dutch

A valuable second early variety producing very large, compact, flattened heads of good quality; sometimes nearly as large as Late Flat Dutch, which they resemble in appearance.

Pkt. 5c, oz. 45c, $\frac{1}{4}$ lb. \$1.50 postpaid.

Fotller's Brunswick

One of the best second early or intermediate cabbages for fall use. The plants have very short stems, large leaves, and are very compact. The heads are large, flat, solid and of fine quality.

Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70 postpaid

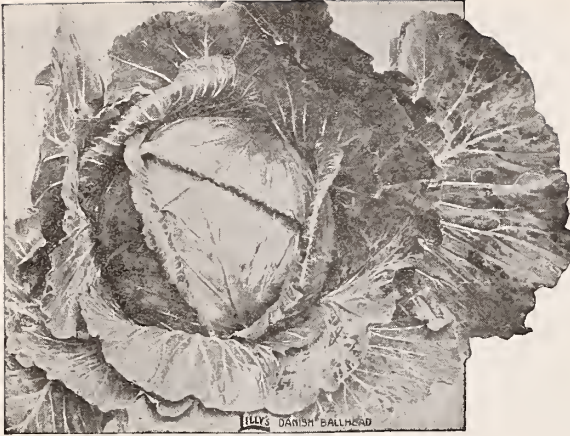
The Joys of Gardening

How many have experienced the joy and satisfaction that comes from working in the soil? How many realize what it means after the day's work is over to take a hoe or some other garden tool, and feel the thrill that comes from stirring the soil and planting the seed? Gardening is natural exercise and brings practically all muscles into play. You forget the office or factory when digging in the earth. In preparing and planting your garden, you cannot help feeling a sort of partnership with the soil. Who doesn't like to stir the warm, mellow earth in the spring when it is time to plant the seed? No home ground or home is complete without a garden, and those who have never planted vegetables or flowers have missed much.



Remember it's always the quality that determines the price. Plant Lilly's Seeds.





Surehead

One of the most reliable late or main crop cabbages; very hardy and exceptionally sure heading. The heads are large, broad, thick, somewhat flattened, compact, very solid and of excellent quality.

Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70, Postpaid.

Premium Late Flat Dutch

A popular late variety; comparatively slow growing but sure heading. The plants are exceptionally vigorous, with very large, broad, spreading outer leaves. The heads are very large, flat, but deep. An excellent keeper.

Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.50, Postpaid.

Autumn King

A good late variety requiring a long season for growth. The heads are very large, solid and of good quality. An excellent winter keeper and shipper.

Pkt. 5c, oz. 60c, $\frac{1}{4}$ lb. \$1.80, Postpaid.

Cabbage

Late and Savoy Varieties

JILLY'S Danish Ballhead

Unsurpassed for Winter Use

A medium or late variety, one of the very best keepers, and excellent for late winter or spring shipping. The heads are round, of medium size, very solid and hard, and of good quality. Vigorous, compact, exceedingly hardy, and reliable. Our seed is grown on Puget Sound with special care from carefully selected heads.

Pkt. 10c, Oz. 80c, $\frac{1}{4}$ lb. \$2.00, Postpaid.

Large Late Drumhead

A favorite winter cabbage for shipping. The heads are large, solid and of good texture, flattened on top but very deep. Can be kept in good condition until late in spring.

Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70, Postpaid.

Red Dutch

A popular hard headed red cabbage for pickling, etc. A good keeper. Rather small but of excellent quality and flavor.

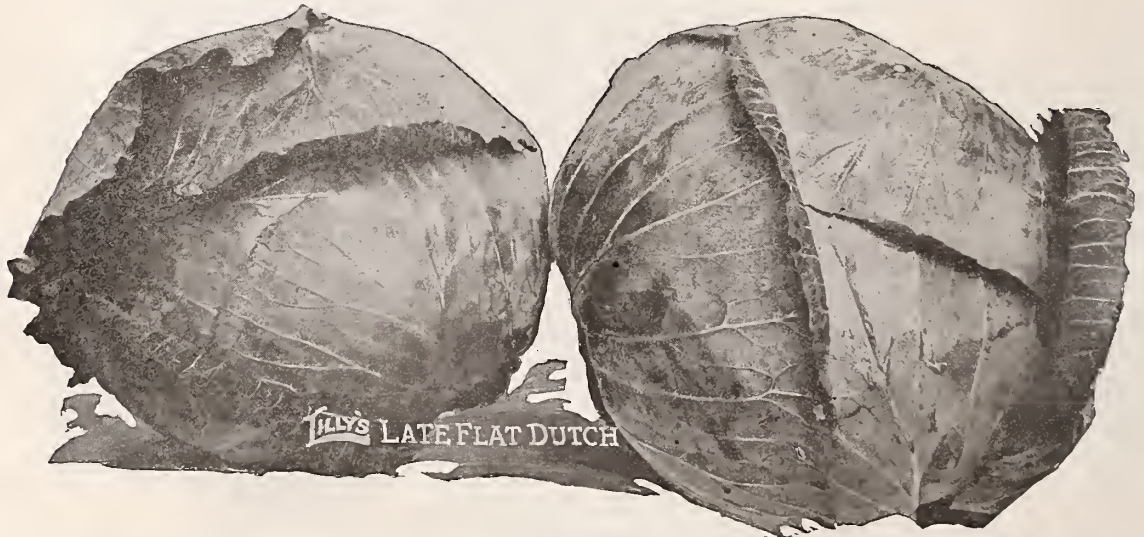
Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70, Postpaid.

Drumhead Savoy

The best of the Savoy or crumpled leaved cabbages, producing large, solid heads of the finest quality and with the rich flavor of cauliflower. The plants are strong and vigorous.

Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.70, Postpaid.

All vegetables respond readily to good treatment. The more quickly they are grown the more tender, crisp and nutritious they will be.



Carrot

One ounce of seed sufficient for about 125 feet of drill, or 4 pounds per acre

JILLY'S Golden Half Long

Finest Main Crop Carrot

By far the best carrot for home use and for market and by many it is preferred for stock feeding, for although it is not so large as the stock carrots, the yield is almost as great and the quality is superior.

Carrots should be more generally grown, both for table and stock. They are a delicious and healthful vegetable, easy to grow and are in perfect condition at any time during their growth from the time they are the size of a lead pencil until long after they are matured. On the Pacific Coast they may be left in the ground during the winter and pulled as wanted for use. Our climate and soil is especially adapted to growing them. Sold in sealed packages only.

Pkt. 5c, oz. 15c, ¼ lb. 40c, 1 lb. \$1.25, Postpaid.

Danver's Half Long

A standard half long orange-colored carrot grown largely on account of its great productiveness and adaptability to all kinds of soil. It is a desirable second-early carrot for the home garden and is also popular for field culture. The flesh is deep orange, tender and of good quality. Although the roots of this variety at maturity are comparatively short, they often produce as large hulk as the longer stock sorts, and they are more easily harvested.

Pkt. 5c, oz. 15c, ¼ lb. 40c, 1 lb. \$1.25, Postpaid.

Danver's
Half
Long



Chantenay or Model

An excellent stump-rooted variety about six inches long, very broad at the shoulder and tapering to a blunt point, free from core, fine grained and tender; orange-red; medium early.

Pkt. 5c, oz. 15c, ¼ lb. 40c,
1 lb. \$1.25, Postpaid.

Long Orange Improved

This improved strain is medium to late maturing and is suitable for either table use or stock food. The roots are very deep, orange, long and comparatively thick, often twelve inches long and three inches in diameter at the crown tapering regularly to a point. The tops are rather large; it is very productive and when grown in light, deep rich soil the roots are straight and uniform. When of a size suitable for the table the roots are tender and of good quality.

Pkt. 5c, oz. 15c, ¼ lb. 35c,
1 lb. \$1.00, Postpaid.

Short Horn

Early Scarlet Horn or

Early French Forcing

One of the earliest varieties in cultivation and very desirable for forcing. The tops are very small; the roots are reddish orange and nearly round when forced quickly in rich, well prepared soil, but are somewhat longer when grown outdoors. When fully matured the roots are about two to two and one-half inches long, but they should be used before fully grown, while young and tender.

Pkt. 5c, oz. 15c, ¼ lb. 45c,
1 lb. \$1.50, Postpaid.

Oxheart, or Guerande

Especially desirable on shallow or hard soil where longer rooted varieties would not thrive. The tops are small. The mature roots are about five inches long, very thick, ending abruptly in a small tap-root. The flesh is bright orange, fine grained and sweet. It is medium early, and is desirable for table use, when mature they are excellent for stock.

Pkt. 5c, oz. 15c, ¼ lb. 45c, 1 lb. \$1.50, Postpaid



Varieties Recommended for Stock Feeding

These keep well when stored for winter use, and form an extremely wholesome addition to the winter rations of stock when fed in conjunction with corn and dry fodder. The rich coloring of the deep orange-colored sorts is esteemed also as imparting a richer coloring to milk and butter during winter months.

Large White Mastodon

The most popular white carrot for stock feeding on account of its immense size, productiveness and being short and easy to harvest. It sometimes yields as much as 25 tons per acre. Not suitable for table use. A more complete description of this variety will be found in Farm Seed Section of this catalog. Sold only in sealed packages.

Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, Postpaid.

White Belgian

A large and very productive white carrot, recommended for stock food only. Very similar to improved short white.

Pkt. 5c, oz. 15c, ¼ lb. 35c,
1 lb. \$1.00, Postpaid.

Improved Short White

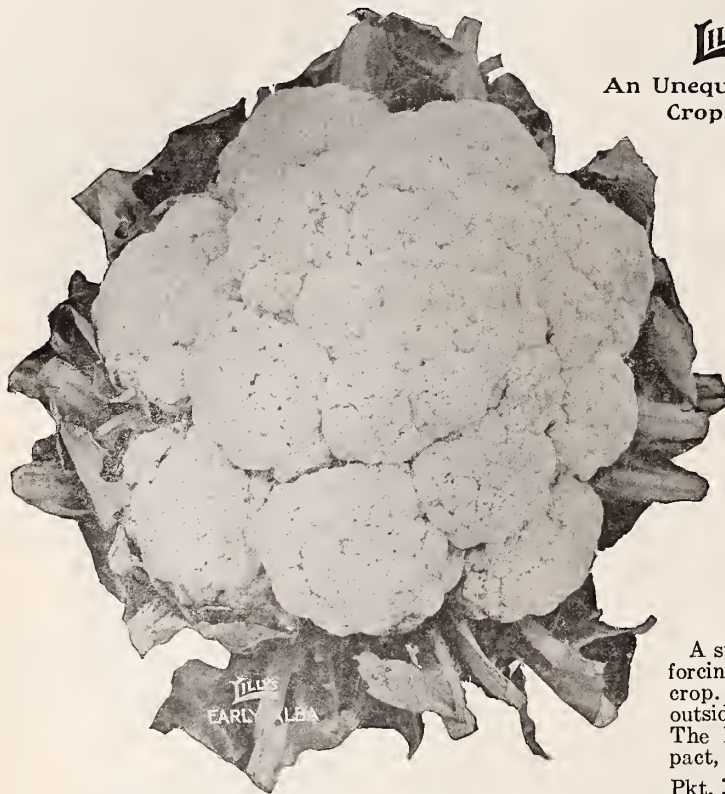
A desirable stock carrot on account of its great productiveness and the ease with which it can be harvested. The roots are half long, seven to nine inches in length, smooth, very heavy at the shoulder, tapering to the point. The color is white with light green crown.

Pkt 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, Postpaid.

Cauliflower

One ounce should produce about 3000 plants

Cauliflower is grown in the same manner as Cabbage, usually as a late fall crop, but when started early in the spring, excellent heads, can be grown of the dwarf early varieties. To make the best and largest heads the plants need cool, moist weather, well-enriched soils and thorough cultivation. The Cauliflower is highly esteemed for the mild, delicate flavor and extreme tenderness of the solid white heads.



Danish Dry-Weather

Danish Dry Weather Cauliflower is especially adapted for growing in dry localities where other varieties fail to produce good heads, but is also an excellent variety for more favorable conditions.

It is not as early as Early Alba and is not suitable for forcing, but the heads are large, solid, pure white, of splendid quality, and for main crop it is excelled by none, as it is the surest header known and is therefore the most profitable for the market gardener. It will make a good crop in dry climates where it has heretofore been considered impossible to grow good cauliflower. Sold in sealed packages only.

Pkt. 25c., $\frac{1}{4}$ oz. \$1.00, 1 oz. \$4.00 Postpaid.

**Think well
and
Remember**

It is not what you pay for Seeds, but what you get for what you pay that counts.

It is a poor policy to risk losing all profits accruing from your crop by trying to save a few cents on the cost of the seeds you sow.

The most expensive seed is that which will produce a poorer crop than could have been obtained from better seed.

LILLY'S Early Alba

An Unequalled Variety for Early or Main Crop, for Home or for Market

Early Alba is by far the best cauliflower grown, either for early or late, for home use or for market, for forcing or for outdoor culture. It is the largest early cauliflower, and is equally good for either extra early or for main crop. It is a sure producer of large, solid compact snow-white heads of unequalled quality, flavor and beauty. Lilly's Early Alba cauliflower seed is sold only in sealed packages.

Pkt. 25c. $\frac{1}{4}$ Oz. \$1.15

1 Oz. \$4.25 Postpaid.

Snowball

A standard early variety, excellent for forcing, early outdoor culture, or for main crop. The plants are compact, with few outside leaves and may be planted closely. The heads are of medium size, solid, compact, round, white and of good quality.

Pkt. 10c $\frac{1}{4}$ oz. \$1.00 1 oz. \$4.00 Postpaid

Large Late Algiers

A valuable late sort, sure to head, of excellent quality and popular with market gardeners. The plant is large but of upright growth, the leaves protecting the heads, so that they are uninjured by frost that would ruin other varieties.

Pkt. 10c. $\frac{1}{4}$ Oz. 60c. 1 Oz. \$2.00 Postpaid.

Veitch's Autumn Giant

A large late cauliflower, producing quite compact white heads. The large late varieties are not nearly so reliable as the earlier Erfurt type. Known on the Pacific coast under the name of *California Wonder*.

Pkt. 10c. $\frac{1}{4}$ Oz. 50c. 1 Oz. \$1.50 Postpaid.



Celery

One ounce will produce about three thousand plants; one pound will produce plants for one acre

LILLY'S Paris Golden Yellow

The Best of its Kind

The plants are of compact semi dwarf habit and form numerous stalks. They are heavily ribbed, of golden yellow color—very crisp and tender. Leads all the self blanching varieties for earliness and productiveness. This is the variety so extensively grown in California for supplying the Northern Markets in the early season before the home products are ready. Altogether a very desirable sort to grow.

Pkt. **10c**, Oz. **35c**, $\frac{1}{4}$ lb. **\$1.00**, Postpaid.

Silver Plume

A handsome early variety, popular with market gardeners on account of its very attractive appearance and requiring a very short time for blanching.

The plants are of medium size, and the foliage forms beautiful silver-white plumes, so aptly suggested in the name. As the plants mature, the inner stems and leaves naturally turn white. The stalks are thick and heavy, with pure white hearts; brittle, crisp and tender; free from stringiness an unexcelled in flavor.

Pkt. **5c**, oz. **35c**, $\frac{1}{4}$ lb. **\$1.00**, Postpaid.

Giant White Winter

Giant White is unequalled as a late winter celery. Like other winter varieties, it is not self-blanching, and must be blanched by banking with earth or with boards. On the Pacific Coast it may be left in the garden until wanted and will be fit for use as late as March or April.

This variety is unexcelled in keeping qualities; grows very tall, but with large, white, very brittle, and the flavor is delicious.

Pkt. **5c**, oz. **35c**, $\frac{1}{4}$ lb. **\$1.00**, Postpaid.

Giant White Solid

An excellent late fall and winter variety of immense size and good quality. Blanches white and tender.

Pkt. **5c**, oz. **30c**, $\frac{1}{4}$ lb. **95c**, Postpaid.

Golden Self-Blanching

A good standard early variety; blanching easily. The heart is rich golden yellow; the outer leaves yellow-

Pkt. **5c**, oz. **50c**,
 $\frac{1}{4}$ lb. **\$1.50**, Postpaid.

Celeriac Turnip-rooted Celery

Large Prague. Large, round, smooth, turnip-like roots; used for flavoring soups or as a salad.

Pkt. **5c**, oz. **25c**,
 $\frac{1}{4}$ lb. **75c**, Postpaid.

No business can be successful unless transactions are mutually profitable. Each season we strive to render better service. **LILLY'S** Seeds are the Standard for the West.

Chervil

Curled. Very finely curled, resembling parsley; used in soups and salads.

Pkt. **5c**, oz. **25c**, $\frac{1}{2}$ lb. **90c**, Postpaid.

Chives

Has a mild flavor of young onions, and is used in soups and salads.

Pkt. **10c**, oz. **50c**, $\frac{1}{4}$ lb. **\$2.00**, Postpaid.

Collards

Georgia. A loose form of cabbage grown in the South for greens. Not adapted to the North.

Pkt. **5c**, oz. **20c** $\frac{1}{4}$ lb. **60c**, Postpaid.

Chicory

Large Rooted. Used as a substitute for coffee; and the young blanched shoots for salad.

Pkt. **5c**, oz. **40c**, $\frac{1}{4}$ lb. **\$1.40**, Postpaid.

Sweet Corn

One pound of seed is sufficient for about 200 hills; 15 pounds for an acre

LILLY'S Golden Bantam

THE SWEETEST AND MOST DELICIOUS EARLY SWEET CORN

Golden Bantam is the sweetest and most deliciously flavored sweet corn that has ever been grown, and has no equal for the home garden or early market. In earliness it is excelled only by "Jack Frost," and in flavor it is equaled by none. Anyone who has eaten Golden Bantam will never be satisfied with other varieties. The ears are short, six to eight inches long, thick, and compactly filled with very large, plump, creamy yellow kernels, which become golden yellow as they ripen. The stalks are of medium height, sturdy and very productive, bearing two ears each. It is one of the hardiest varieties, may be planted early, and is especially adapted to the Northwest. Sold only in sealed packages. Pkt. **15c.**, lb. **30c.**, postage additional.

LILLY'S Metropolitan

THE LARGEST EARLY SWEET CORN

Metropolitan is a great favorite in the Northwest, where few of the larger varieties can be depended upon. The ears are about eight inches long, and are well filled with ten to twelve rows of large, sweet kernels. It is a little later than Jack Frost and Golden Bantam, but earlier than other large varieties. The plants are tall and bear two or three ears each. Pkt. **15c.**, lb. **30c.**, postage additional.

LILLY'S Jack Frost

THE EARLIEST

This is the earliest variety of sweet corn, and is peculiarly adapted to the Pacific Coast. The ears are small, about five inches long, and are well filled with large white kernels of delicate flavor and melting tenderness. It remains tender and fit for use longer than other varieties. The plant is dwarf, and each stalk bears two or more ears. Sold in sealed packages only. Pkt. **15c.**, lb. **30c.**, postage additional.

Companion Crops

Crops which may be planted together in the same space and occupy the same ground together are known as companion crops.

Between the rows of early Cabbage may be planted Lettuce or Radishes. In the row with Onions, Parsnips and Carrots, Radishes may be sown thinly.

Lettuce may be sown between Tomato plants.
Radishes in rows between String Beans.
Squash may be planted among early Sweet Corn.
Onion sets may be planted between the early Cabbage.
Radishes, early Beets, early Carrots and early Turnips and bunch Onions may be planted between Peas.
Early Potatoes may be planted between Melon rows.



Golden Bantam

Sweet Corn

One pound of seed is sufficient for about two hundred hills;
fifteen pounds for an acre

LILLY'S Golden Giant

A Brand New Early Variety

One of the most perfect Sweet Corns ever introduced. Produces ears nine inches long with kernels of a deep golden yellow of exquisite flavor. Equal in every respect to Golden Bantam with the added advantage of larger ears very compactly filled. This excellent variety is Washington grown and therefore thoroughly acclimated—a point strongly in its favor. A trial will convince the most critical gardener that Golden Giant is destined to become very popular. Every Western planter will be pleased with the distinctive features of this Corn. It is very hardy and may be planted early.

Pkt. **15c** 1 lb. **40c** 10 lbs. **\$3.75** Postage additional.

Stowell's Evergreen

An old and popular late sweet corn. The stalks grow about seven feet high and are very productive. The ears are seven to eight inches long, and the kernels are white, very tender and sugary, and remain a long time in condition for use.

Pkt. **15c** 1 lb. **30c** 10 lbs. **\$2.75** Postage additional.

Peep o' Day

One of the very earliest varieties. The ears are about five inches long, the kernels large, white and tender. The stalks are dwarf, only about four feet high, and usually bear two ears each.

Pkt. **15c** 1 lb. **30c** 10 lbs. **\$2.75** Postage additional.

Early Minnesota

A standard second early variety. The stalks grow about six feet high. The ears are about eight inches long, eight to ten rowed, and the kernels are very broad, white, sweet and tender.

Pkt. **15c** 1 lb. **30c** 10 lbs. **\$2.75** Postage additional.

Black Mexican

This sweet corn, when young, cooks remarkably white, but the ripe grain is black. It is an excellent late variety. The stalks grow about six feet high, and the ears about eight inches long. The kernels are tender, sweet and delicious.

Pkt. **15c**, 1 lb. **30c**, 10 lbs. **\$2.75** Postage additional.

Country Gentleman

A splendid late variety. The small, white cob is densely crowded with irregular rows of long, slender, white kernels of excellent quality.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25** Postage additional.

Early White Cob Cory

A very early sweet corn. The plants are dwarf, and usually bear two ears each. The ears are six to seven inches long, and the kernels are milky white, sweet and of good quality.

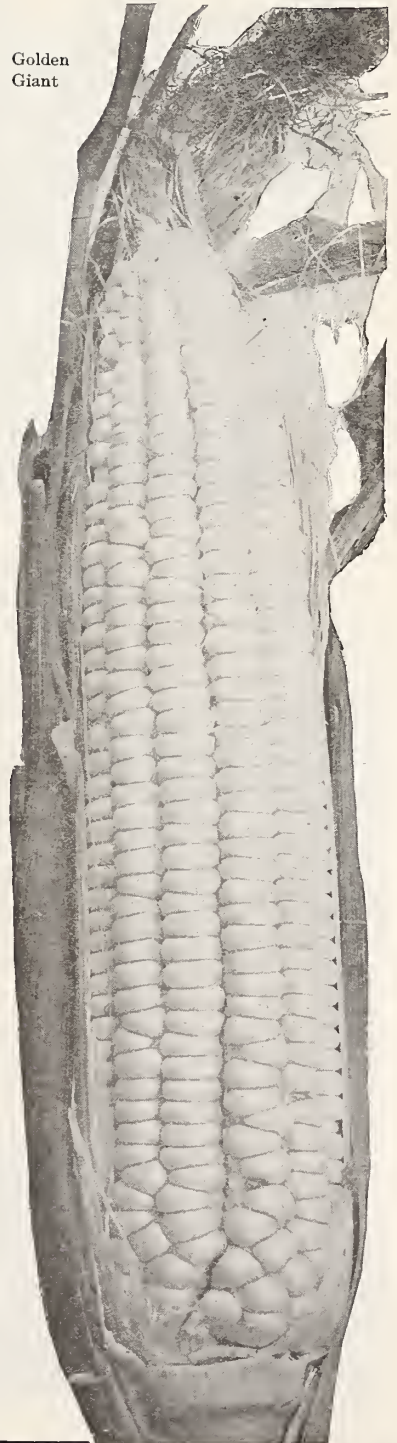
Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25** Postage additional.

Early Evergreen

Has ears fully as large as those of Stowell's and is about five days earlier. Its most valuable feature, is the extreme paper whiteness of the grains, which makes not only a more attractive ear when served on the table, but is most important for the canner. It retains its whiteness when put up in cans.

Pkt. **15c**, 1 lb. **30c**, 10 lbs. **\$2.75** Postage additional.

Golden
Giant





Cucumber

One Ounce will plant one hundred hills

There are many methods of planting. Some plant in hills six feet apart each way; others plant in hills six by two or three feet and others in drills six feet apart, thinning the plants to one foot apart in the rows after danger of destruction by beetles is past. We prefer the latter method.

LILLY'S Pride of the Pacific

Early, Prolific and of the Finest Quality

Pride of the Pacific is a highly improved strain of the White Spine family, brought to its present state of perfection by the most careful methods of selection and cultivation. It is the best variety for greenhouse culture. Unsurpassed for growing outdoors, either for market or home use.

The hardy, vigorous vines produce immense crops of smooth, rich, deep green fruit, large, symmetrical and very uniform. It is ideal for slicing, the flesh being sparkling white, crisp, tender, and of a delicious flavor. Sold only in sealed packages.

Pkt. **10c**, Oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

LILLY'S Pickling

Unequaled for Large or Small Pickles

An excellent variety. The young cucumbers are thickly set with small spines, and possess the distinctly roughened surface so much desired for small pickles. The full grown fruits are nine to ten inches long and two and one-half inches in diameter; of good shape, fine quality and flavor, good for slicing. The vines are hardy, exceedingly prolific and continue to bear longer than most sorts. Sold only in sealed packages. Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

White Spine Improved

One of the best sorts for table use. The vines are vigorous, fruiting early and abundantly. The fruits are uniformly straight, dark green, fairly well covered with white spines, and when mature are usually about seven inches in length. The flesh is crisp, tender, and of excellent quality.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Long Green

The fruits are long, firm and crisp; excellent for slicing, or when small they are good for pickling. The vines are sturdy and very productive. The fruits are uniform in size and shape, slender, often a foot long, and very dark green. The best variety for sweet pickles.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Davis Perfect

A Splendid Extra Early Cucumber

This variety grows nine to twelve inches long, and perfect in shape, color, quality and flavor. It is very early, and when grown outdoors so closely resembles hothouse fruit that it often brings the same fancy prices. The glossy dark green color is maintained almost to maturity, and it retains its color and freshness longer than other varieties, making it splendid for market. Lilly's Select Stock is sold in sealed packages only.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Early Cluster

An early and very productive variety. The vines are hardy and very vigorous, bearing fruits in clusters of two or three. The fruits are short, thick, bright green, crisp and tender. Used for both pickling and slicing.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Early Frame, or Short Green

An early bright cucumber of medium size, extensively used for slicing and pickling. The vines are vigorous and productive. The fruits are bright green, crisp and tender.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Boston Pickling

A very productive variety; extensively grown for pickles. The fruits are bright green, of medium size, smooth and symmetrical. The flesh is crisp and tender.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Davis Perfect



Corn Salad

Large Headed Feticus or Lamb's Lettuce

A small, quick growing salad plant, for late fall, winter and spring use. The leaves are used as a substitute for lettuce and spinach.

Pkt. **5c**, oz. **25c**, ¼ lb. **75c**, Postpaid

Cress

Curled or Pepper Grass

The leaves are frilled and curled, crisp and pungent, and are used in salads and for garnishing meats.

Pkt. **5c**, oz. **20c**, Postpaid.

Water Cress

A distinct variety of cress with small oval leaves, which are used for salad. It must be grown in shallow water and the seed is scattered along the banks of streams or ponds.

Pkt. **10c**, oz. **60c**, Postpaid.

Endive

Broad Leaved Batavian (Escarolle)

Specially Adapted to the Pacific Coast

Endive is an excellent salad vegetable, used similar to lettuce, or it may be cooked as greens, and in our mild climate on the Pacific Coast it may be had at all seasons of the year. It is extensively grown by market gardeners, but is not as generally known in the home garden as it deserves to be.

Batavian Broad Leaved Endive, or Escarole, is especially adapted to our climate, and may be left in the garden during the winter. The leaves are broad, twisted and waved, deep green, with thick, white midribs. The inner leaves form a clustering head which blanches to a beautiful creamy white and is crisp and tender.

Pkt. **5c**, oz. **15c**, ¼ lb. **45c**, Postpaid.



Green Curled Endive

A hardy, vigorous variety, bright, deep green leaves usually tinged with rose, blanching to a deep cream color.

Pkt. **5c**, oz. **15c**, ¼ lb. **45c**, Postpaid.

Egg Plant

New York Improved

A standard variety for market and home use. Very productive, the plants bearing six to eight fruits each. The fruits are large, nearly round, dark purple, free of thorns and of excellent quality.

Pkt. **5c**, oz. **65c**, ¼ lb. **\$2.25**, Postpaid.

Black Pekin

An early variety with fruits nearly as large as the later sorts. The fruit is nearly round, the skin smooth, black and glossy.

Pkt. **5c**, oz. **60c**, ¼ lb. **\$2.00**, Postpaid.

Kohl-Rabi

It is used and grown the same as turnips. Where it is well known it is more highly esteemed than turnips for early summer use. It should be sown in drills very early in spring, and used while young and tender, or for winter use it may be sown in July or August, and can be stored the same as turnips.

Early White Vienna

A turnip-like bulb, formed above ground, combining somewhat the flavor of turnips and cabbage. Large enough to be used in ten or twelve weeks from time of sowing.

Pkt. **5c**, oz. **30c**, ¼ lb. **85c**, Postpaid.

Leek

Large American Flag

The leek belongs to the onion family, and is a good fall and winter substitute for green onions. This is a very superior variety, with thick stems, broad leaves and good flavor.

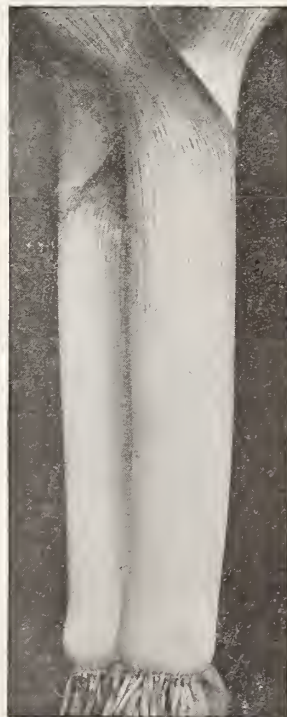
Pkt. **5c**, oz. **30c**, ¼ lb. **85c**, Postpaid.

Musselburg

An improved variety growing to a very large size, with broad leaves spreading like a fan.

Pkt. **5c**, oz. **30c**, ¼ lb. **85c**, Postpaid.

American Flag Leek



HERB SEEDS.

	Pkt.	Oz.
Anise.....	\$0.05	\$0.35
Caraway.....	.05	.20
Catnip.....	.05	.80
Dill.....	.05	.15
Horehound.....	.05	.35
Lavender.....	.05	.25
Rosemary.....	.05	.50
Sage.....	.05	.25
Summer Savory.....	.05	.25
Sweet Basil.....	.05	.20
Sweet Fennel.....	.05	.15
Sweet Majoram.....	.05	.25
Tansy.....	.05	.65
Thyme.....	.05	.40
Wormwood.....	.05	.65

Lettuce One ounce of seed for 400 feet of drill

LILLY'S Delicious

An Extra Early Head Lettuce

Very early, forming handsome, compact, firm heads of medium size of the finest quality earlier than any other.

The color is a light yellowish-green, the outer leaves slightly tinged with brown, the inside blanching to a rich golden yellow. The thick leaves are tender and have a delicious, rich, buttery flavor. Although generally used for early outdoor culture, it is excellent for forcing and for succession during the summer. The heads are round, solid, and stand shipping well. Sold only in sealed packages.

Pkt. **10c.** Oz. **20c.** $\frac{1}{4}$ lb. **60c.** Postpaid.

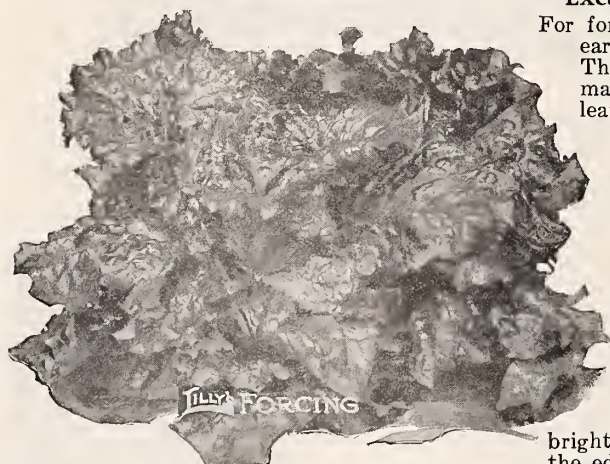


LILLY'S Forcing

Excellent for Extra Early Outdoor Culture

For forcing in greenhouse or cold frames, or for extra early outdoor culture, this variety has no superior. The plant grows upright, does not form heads, but makes a quick growth of large, thin, light green leaves, finely curled, crimped, and savoyed. It is not liable to rot, remains in condition for cutting for a considerable time, and stands shipping better than most varieties, making it invaluable for winter forcing in greenhouse. Sold only in sealed packages.

Pkt. **5c.** Oz. **20c.** $\frac{1}{4}$ lb. **50c.** Postpaid.



LILLY'S Nonpariel Hanson Head

A splendid head lettuce for either market or home use for late summer. The plant is compact, and forms large, solid, cabbage-like heads of fine quality and flavor; remaining in good condition longer than most other sorts. The leaves are bright yellowish-green; broad, crumpled, and frilled at the edges; and with distinctive midrib. Inner leaves are white, very crisp, and sweet. So'd on'y in sealed packages.

Pkt. **10c.** Oz. **20c.** $\frac{1}{4}$ lb. **50c.** Postpaid.

Boston Market, or White Seeded Tennis Ball

A popular, small, compact head variety, good for forcing or for early outdoor culture. It is hardy; the heads are solid, and the leaves are dull green in color, crisp, and of good flavor.

Pkt. **5c.**, oz. **15c.**, $\frac{1}{4}$ lb. **45c.** Postpaid.

Prizehead

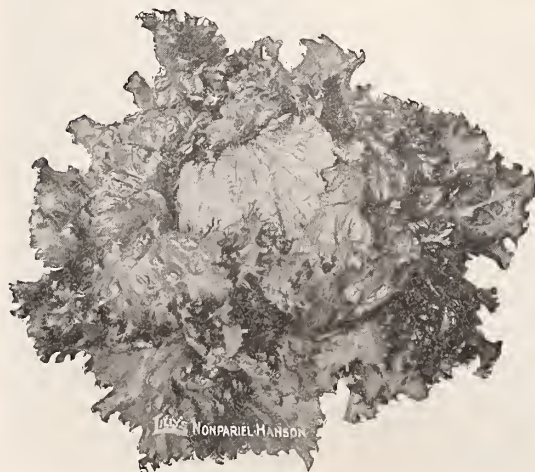
A large clustering, non-heading lettuce, easy to grow and an excellent variety for the home garden, but not recommended for market, as it is too tender to stand shipping and handling. The leaves are bright green tinged with red; crisp, tender, and sweet.

Pkt. **5c.**, oz. **15c.**, $\frac{1}{4}$ lb. **45c.** Postpaid.

May King

This is a very hardy variety of early head lettuce and will stand much cold, damp weather. It may be planted under glass or outdoors, and in either case will produce fine heads much sooner than most other varieties.

Pkt. **5c.**, oz. **15c.**, $\frac{1}{4}$ lb. **45c.** Postpaid.



Lettuce

LILLY'S Wonderful

A Mammoth New Head Lettuce

A new and very popular variety, thriving in all sections and during all seasons. A crisp, cabbage-heading lettuce, extremely large, sometimes fifteen inches in diameter and weighing two or three pounds. It is deep rooting, stands heat well, is slow to run to seed, and especially adapted for growing during the summer months. It is a sure header under the most trying conditions. The interior is beautifully blanched, creamy white, crisp, tender and delicious. Especially recommended as a standard, main crop, hot-weather lettuce. Very popular with market gardeners, and is equally good for home use. Not recommended for forcing.

Sold in sealed packages only.

Pkt. **10c** Oz. **30c** $\frac{1}{4}$ lb. **85c** Postpaid.

Early Curled Simpson

A standard variety for forcing or for very early outdoor culture. The leaves, in loose clusters, are light green in color, slightly frilled and much blistered, are crisp, tender and sweet. Especially adapted for sowing thickly and cutting while the plants are young.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Grand Rapids

A very popular loose leaved variety for greenhouse forcing. It grows quickly, is hardy, not liable to rot, remains in condition for cutting for several days, and stands shipping better than most sorts.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Los Angeles Market

One of the most reliable, sure-heading sorts; heads globular, large and late; leaves large and very broad, borders finely frilled; color clear light green. A fine variety for midsummer planting outside, as it withstands the hot season and is a slow seeder.

Pkt. **5c**, oz. **25c**, $\frac{1}{4}$ lb. **75c**, Postpaid.

Kale or Borecole

LILLY'S Emerald Isle

A comparatively new variety of green curled winter kale, and is most desirable on account of its hardness, excellent quality and beautiful appearance. Of medium height, the leaves are so finely fringed and curled as to resemble parsley, and it is of a beautiful rich, emerald green color. It is hardy; on the Pacific Coast it is seldom injured by freezing, in fact is improved by frost, and may be cut and used at any time during the winter.

Pkt. **10c** Oz. **30c** $\frac{1}{4}$ lb. **85c** Postpaid.

Tall Scotch

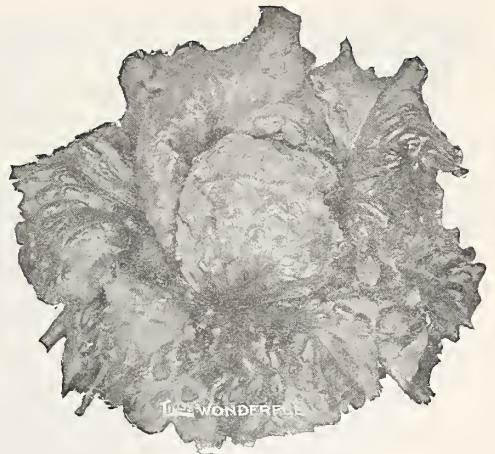
Grows three to four feet high, bearing long, plume-like light green leaves, which are deeply cut and finely curled at the edges. Very ornamental, and sufficiently hardy to resist frost.

Pkt. **5c**, oz. **30c**, $\frac{1}{4}$ lb. **80c**, Postpaid.

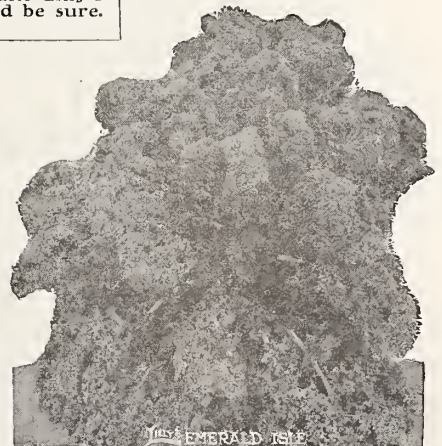
Dwarf Green Curled

A very hardy and vigorously variety of dwarf, spreading habit, The large green leaves have a bluish tinge or bloom, are comparatively plain in the center, but are cut and frilled at the edges.

Pkt. **5c**, oz. **25c**, $\frac{1}{4}$ lb. **70c**, Postpaid.



Quality in seeds means inbred characteristics which cannot be determined by appearance. Plant Lilly's and be sure.



Musk Melon

JILLY'S Improved Rocky Ford

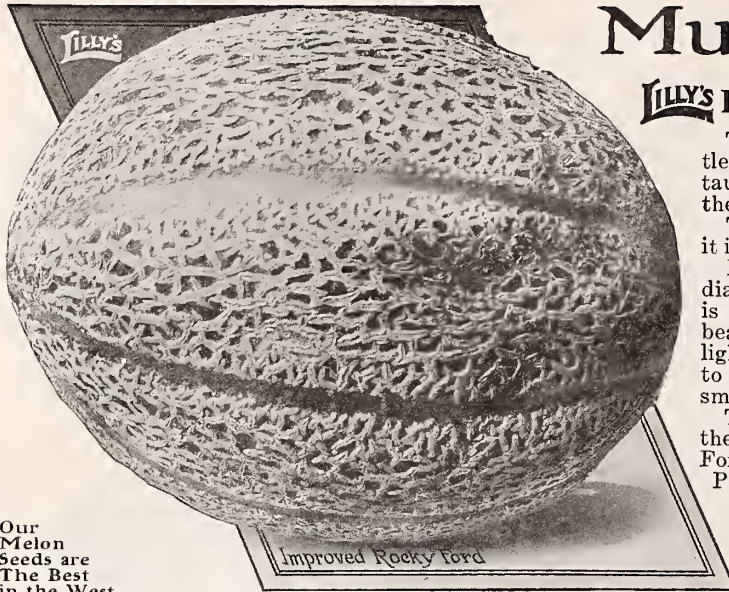
The Rocky Ford is the delicious little cantaloupe served in the best restaurants and hotels and demanded by the markets.

There is no other to compare with it in flavor.

It is small, about five inches in diameter, oval in form, and the skin is rich greenish-gold covered with a beautiful yellow netting. The flesh is light green, very deep, ripening clear to the rind, very solid and with a very small seed cavity.

The seed is grown for us by one of the most reliable growers in Rocky Ford, Colorado, and is of the famous Pollock strain. Sold only in sealed packages.

Pkt. **5c**, Oz. **15c**,
 $\frac{1}{4}$ lb. **35c**, Postpaid.



Our
 Melon
 Seeds are
 The Best
 in the West

Burrell's Gem

A very popular variety in this locality. The skin is rather dark green; the rind is thin, and the flesh is very thick, salmon colored, of a most delicious flavor, juicy, and fairly melts in the mouth.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Nutmeg

A well-known old variety. The fruits are round, about seven inches in diameter, well ribbed heavily netted. The flesh is pale green, sweet and melting.

Pkt. **5c**, Oz. **15c**,
 $\frac{1}{4}$ lb. **40c**, Postpaid.

The Seed Business is based on confidence—it is more manifest in the seed trade than any other

Rocky Ford or Netted Gem

Very popular for market, also excellent for the home garden. It is medium early; the fruits are oval, slightly ribbed and densely covered with fine netting. The flesh is green, very sweet and highly flavored.

Pkt. **5c**, Oz. **15c**,
 $\frac{1}{4}$ lb. **40c**, Postpaid.

Extra Early Hackensack

A well-known old variety. The fruits are round, about seven inches in diameter, well ribbed and heavily netted. The flesh is pale green, sweet and melting.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **40c**, Postpaid.

Osage or Miller's Cream

Medium early, large and nearly round. The skin is deep green, free from netting, heavily ribbed and light green bands between the ribs. The flesh is very thick, orange colored, firm and of fine quality.

Pkt. **5c**, Oz. **15c**,
 $\frac{1}{4}$ lb. **40c**, Postpaid.

Mushroom Spawn—Lambert's Pure Culture



American Pure Culture Mushroom Spawn is produced by a new system of selection and inoculation. The pure cultures are taken direct from selected specimens and for that reason produce mushrooms of the finest quality and of one uniform variety and color. We can furnish either the White, Cream-White or Brown varieties. It is pressed in bricks weighing about one and one-quarter pounds. One brick is sufficiently to spawn nine square feet of bed.

Brick **30c**, 10 Bricks **\$2.75**,
 Postage extra.

Write for prices on larger quantities.

Water Melon

One ounce of seed
will plant 30 hills

JILLY'S King and Queen

Best Early Variety for Market

The fruit is of uniform medium size; round, smooth and of fine appearance. It is very early and yields prodigiously. The flesh is a beautiful bright red, crisp and of delicate texture, granulated, cool and sparkling. It has very few seeds, the heart is solid, and the fine quality is sustained clear to the rind. Sold in sealed packages only. Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

Georgia Rattlesnake

Very large and long, suitable for warm localities. The skin is light green, distinctly striped and blotched with a darker shade. The flesh is bright scarlet, tender and sweet.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

Cole's Early

One of the easiest varieties to grow; very early and adapted to conditions in the northwest. A good shipper and excellent for market; also a good variety for the home garden. It is not large but is very productive; nearly round; the rind is very thin, and the deep red flesh is of excellent quality.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **40c**, Postpaid.

Kleckly Sweet or Monte Cristo

An excellent variety for home use, but the rind is too thin to stand shipping long distances. It is of medium size: oval; dark green, slightly mottled. The flesh is bright red and exceedingly sweet.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

MUSTARD

Southern Curled

Hardy and vigorous, with large light green leaves, crimped and frilled at the edges. Excellent while young for salads and garnishing. Seed is dark brown and small.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **30c**, Postpaid

White English

Leaves are dark green, small, smooth, and deeply cut; mild and tender when young. The seeds are large and light yellow.

Pkt. **5c**, oz. **15c**,
 $\frac{1}{4}$ lb. **35c**, Postpaid.

JILLY'S Sweet as Honey

Unequaled for Home use in the Northwest

This is the best and most delicious of all early watermelons for the Northwest. It is medium in size, oblong in form, and the skin is a rich dark green. The flesh is bright scarlet clear to the rind, and entirely free from stringiness. The seeds lie close to the rind, leaving a very large solid core, lusciously sweet, crisp and melting. Sold in sealed packages only.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

Florida Favorite

Very large and of excellent quality. The fruits are long, dark green, irregularly striped and mottled. The flesh is deep red, very sweet and tender. Seed nearly white.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

Tom Watson

Probably the best shipping melon, and one of the best main crop sorts; grows a very large size. Fruit large and long in shape, colored a medium green with a light tracing of a darker shade, flesh rich red and of good quality; seeds white.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

Citron—Red Seeded

Small round melons, used exclusively for preserves or pickles; not suitable for eating. The skin is dark green, distinctly striped and marbled with light green. The flesh is white, matures late in the fall and may be kept for a long time.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

OKRA OR GUMBO

Dwarf Green

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor and are considered very nutritious. Produces an abundance of long, slender pale green pods, which are very tender when young.

Pkt. **5c**, oz. **15c**

$\frac{1}{4}$ lb. **30c**,

Postpaid



JILLY'S Sweet as Honey

Onions have been aptly termed the 'money crop' of the garden—our strains are dependable and true to type.

Onion

LILLY'S Prizetaker (Select Stock)

A great favorite with market gardeners. It attains its immense size under exactly the same conditions necessary to cultivate other sorts.

It is a bright clear straw color; always grows to a uniform and most perfect shape. The bulb is very solid and heavy.

The flesh is crisp, white and of delicious quality. It is very hardy and a good winter keeper.

as it ripens up hard and firm. It is very fine-grained and of mild, delicate flavor.

Sold only in sealed packages.

Pkt. **10c** Oz. **35c** ¼ lb. **90c** 1 lb. **\$3.25** Postpaid

Yellow Globe Danvers

A very popular variety, especially for market. It is globular in form; very solid and one of the best shippers. The skin is brownish yellow and the flesh is fine grained, creamy white, crisp, mild and of excellent flavor. One of the best main crop varieties.

Pkt. **5c** Oz. **25c** ¼ lb. **75c** 1 lb. **\$2.75** Postpaid.

Yellow Flat Danvers

Very similar to Yellow Globe Danvers, except in shape. It is early, very productive and reliable. The form is round, flattened with small neck. The skin is thin and pale yellow and the flesh is white and mild.

Pkt. **5c** Oz. **25c** ¼ lb. **75c** 1 lb. **\$2.75** Postpaid.

Large Red Wethersfield

A very large onion flattened in shape and with skin of a purplish red color, and flesh purplish white; rather strong flavored, but good and an excellent keeper.

Pkt. **5c** Oz. **25c** ¼ lb. **75c** 1 lb. **\$2.75** Postpaid.

Australian Brown

An early onion of medium size and nearly globular shape, a sure keeper. The skin is a bright brown and the flesh is white, crisp, extremely solid, and of a sweet, mild flavor.

Pkt. **5c** Oz. **20c** ¼ lb. **65c** 1 lb. **\$2.25** Postpaid.

Southport White Globe

The mild flavor of this wonderful variety is famed the world over. It will average from 2 to 2½ inches in diameter and produces large yield. The flesh is fine grained, crisp and of a very fine flavor and snowy white in color.

Pkt. **5c** Oz. **35c** ¼ lb. **90c** 1 lb. **\$3.25** Postpaid.

LILLY'S White Queen (For Pickles and Early Green Onions)

This small white onion is used for pickling, and is also a favorite for green onions in the market garden and home garden, as it produces green onions almost as early as they can be produced from sets. They are extra early, very small, round, not necky, handsome, and very hard and crisp. The color is a beautiful waxy white, and flavor is deliciously mild. Sold in sealed packages only.

Pkt. **5c**, oz. **50c** ¼ lb. **\$1.50** 1 lb. **\$5.00** Postpaid.

LILLY'S
Prizetaker

Onion

One ounce of seed will
sow 300 feet

LILLY'S Longkeeper

THE MOST POPULAR AND PROFITABLE FOR MARKET; UNEXCELLED FOR HOME USE

Longkeeper, as the name implies, has marvelous keeping qualities, which in addition to its splendid appearance, fine quality and flavor, and phenomenal yield, makes it the most popular and profitable for market. It is also unexcelled for home use, as the bulbs form early and they may be used all summer. It is globular in form; of an attractive brownish yellow color, mild and of delicious flavor. The neck is very small, and the tops die down entirely; of medium size, uniform, very solid and heavy, and produces immense crops. Sold only in sealed packages. Pkt. **10c.**, oz. **35c.**, postpaid.

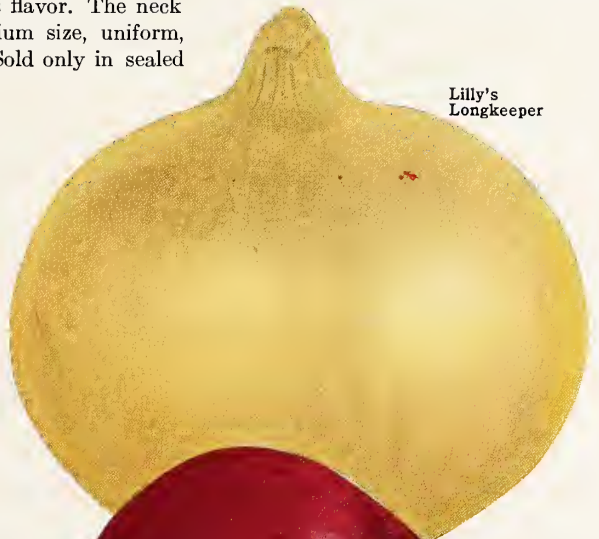
LILLY'S Western Wethersfield

BEST RED ONION FOR THE PACIFIC COAST

An improved strain of Western Wethersfield, acclimated to the Pacific Coast. It is flattened like the Red Wethersfield, is very large, and our selected seed produces large crops, free from necky or misshapen bulbs. The color is a rich dark red; flesh is a sparkling purplish white, and the flavor is good. Highly recommended for those who wish a large red onion. Sold in sealed packages only. Pkt. **10c.**, oz. **35c.**, postpaid.

White Portugal or Silverskin

A very popular medium white onion, much used for green onions, pickles and for fall winter planting. The bulbs grow to good size, ripening early and quite evenly, are silvery white, nearly round when of bunching size, but flattened when mature. The flesh is mild and of splendid quality. Pkt. **10c.**, oz. **35c.**, postpaid.



Lilly's
Longkeeper



Lilly's
Western
Wethersfield



White Portugal

Lilly's Seed

is not cheap seed, neither is it any more expensive than that of other reputable seed houses. Remember it's not what you pay for seeds but what you get that counts. The best is that which renders the most service. Not the cheapest nor yet the dearest.

Onion Sets

Why They Are Planted

Onion Sets are now an established and recognized factor in onion production. The reasons for this general use are easily understood. (1) The first saving is in labor, being much less than when seed is sown. (2) Owing to quick growth the danger of loss of crop from insect pests is practically eliminated. (3) Onion Sets produce bulbs in one-half the time that is required by raising from seed. The majority of gardeners realize the great advantages to be derived from adopting this easy common sense method of obtaining early onions for table use. The grower is also able to crop much earlier.

LILLY'S Yellow Danvers

Our onion sets are northern grown, hardy, handsome, small and of uniform size. We grow only the Yellow Danver sets, as that variety proves to be best for this purpose. These sets if planted very early will produce green onions early in summer, much earlier than they can be produced from seed. They will also produce mature onions, but for that purpose seed is generally planted.

1 lb. **25c**, 10 lbs. **20c** Per lb.

If to be shipped by parcel post, postage will be additional at regular rates. Please write for prices on large quantities.

Parsnip One ounce of seed for 400 feet of drill

LILLY'S Palo Alto

A Highly Improved Strain

Palo Alto is a highly improved strain of Holland Crown Parsnip, and is a favorite with our customers. The flesh is white and of fine texture, tender, free from core and stringiness, and of superior flavor, sweet and rich. It is very hardy, and may be left in the ground all winter, or until wanted for use. Frost improves the quality and flavor.

If grown in favorable soil, the roots are smooth, well rounded and tapering. They are heavy at the shoulder, and are half-long, rendering them easy to harvest. It yields immense crops, and in addition to being a delicious winter vegetable, it is an excellent stock food. Sold in sealed packages only. Pkt. **5c**, Oz. **20c**, $\frac{1}{4}$ lb. **50c**, Postpaid.

Hollow Crown

A standard and excellent variety. The roots are long, with smooth, white skin, uniform in shape, tender and of good quality. This variety is distinguishable by the leaves growing from the depression in the crown.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Parsley

Champion Moss Curled

A beautiful plant, and excellent for garnishing and for flavoring soups and stews. This is a hardy, vigorous, compact growing variety, with very attractive, deep green foliage, and is most popular for both home and market. The leaves are very finely cut and are so closely curled as to resemble moss.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **40c**, Postpaid.

LILLY'S
Palo Alto

Don't Gamble with your Garden

Your garden can only produce according to the quality of the seeds you sow. It's not what you pay for seeds but what you get for what you pay that counts.

LILLY'S Seeds

cost no more than ordinary seeds that are not so good.

Helpful Hints

Study LILLY'S Seed Catalog and order your seeds early.

Don't cover the seed too deep. It will germinate more quickly if only a little soil is on the seed. Pack the earth firmly after sowing.

Don't think water will take the place of thorough cultivation; it won't.

You will have a better garden if you use the hoes more and the hose less.

Pepper

Peppers are a very uncertain crop west of the Cascade Mountains, and the plants should be started in berry boxes or on inverted sods. In warmer climates the plants may be started under glass the same as tomatoes. They should not be planted outdoors until very late in spring, after the weather and soil are thoroughly warmed. The plants should be set about thirty inches apart each way in well-tilled rich soil.

Large Bell or Bull Nose

The plants are vigorous, compact, and very productive, ripening their crop early and uniformly. The fruits are large, with thick, mild flesh of fine quality for use in salads or for stuffing. The color is deep green, while young, bright crimson when ripe.

Pkt. **5c**, Oz. **70c**, $\frac{1}{4}$ lb. **\$2.00**, Postpaid.

Long Red Cayenne

The true Cayenne, hot and pungent. Medium early, bearing slender, twisted pods about four inches long. Deep green while young, bright red when ripe.

Pkt. **5c**, Oz. **80c**, $\frac{1}{4}$ lb. **\$2.40**, Postpaid.

Pumpkin

Sugar or Sweet Pie

A small, fine grained, very sweet pumpkin; the best variety for making pies. The vines are very productive. The fruits are round, somewhat flattened, and of a deep orange color. The flesh is a rich yellow, thick and meaty. Pkt. **5c**, Oz. **15**, $\frac{1}{4}$ lb. **40c**, Postpaid.

Connecticut Field

A large, productive, orange colored field pumpkin, usually grown for stock, but good for pies. Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

Jumbo or King of Mammoth

The largest pumpkin grown, sometimes weighing more than two hundred pounds when grown under favorable conditions. The skin is salmon-orange, and the flesh is bright yellow, very thick, and of excellent quality for pies as well as for stock.

Pkt. **5c**, Oz. **20c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Rhubarb or Pie Plant

Mammoth Victoria

The largest and finest cooking variety. It is vigorous and very productive of thick, red stalks of fine quality, juicy and rich.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **45c**, Postpaid.

Salsify or Vegetable Oyster.

Mammoth or Sandwich Island

A very desirable winter vegetable; palatable, nutritious, and may be served in a variety of ways. This is the most popular variety, growing twice the size of any other, and resembling a parsnip in appearance. Mild and delicately flavored.

Pkt. **5c**, Oz. **30c**, $\frac{1}{4}$ lb. **90c**, Postpaid.

Important

THE CHAS. H. LILLY CO. give no warranty, expressed or implied as to description, purity, productiveness or any other matter of any seeds they send out and they will not be in any way responsible for the crop. If the purchaser does not accept goods on these terms they are at once to be returned.



Salsify

Peas Early Varieties

One pound of seed for 50 feet of drill

Peas from any one planting will remain in the best of condition for use only for a comparatively short time. To have a constant supply throughout the season, a succession of plantings should be made.

The dwarf varieties do not bear as heavily nor for as long a period as the climbing sorts, but for small gardens they have the advantage that they are economical in space and do not require support. Consequently they are grown almost exclusively by many Western gardeners. One or two dwarf sorts sown every ten days or two weeks will maintain a supply.

To aid customers in making a selection we have arranged the early, main crop and late varieties in their proper order. There are so many excellent varieties now that sorts which are the best to grow is largely a matter of opinion. We only describe and quote what we consider the varieties most suitable for the Pacific Northwest.



LILLY'S Washington Wonder

Favorite Extra Early Dwarf Wrinkled

An old favorite, and a splendid extra early dwarf pea. It grows only about sixteen inches high, and requires no support. It is quite prolific, and produces a good crop of well filled pods containing six to nine good-sized wrinkled peas of excellent flavor. It is sufficiently hardy to be sown in the fall on the Pacific Coast, thereby producing peas several weeks earlier than spring sown seed. It is as early as the extra smooth varieties, and very much superior in quality and flavor.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

LILLY'S World's Record

An Excellent Early Wrinkled Variety

World's Record is an English variety which has proved to be perfectly adapted to the Northwest. Our seed has been grown in this locality for several seasons, and is thoroughly acclimated. The vines are semi-dwarf, growing about three feet high, and the yield, size and quality of the peas is wonderful considering its extreme earliness. The pods are large, dark green, of the Gradus type, and are filled with eight or ten large wrinkled peas, sweet and of fine flavor.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

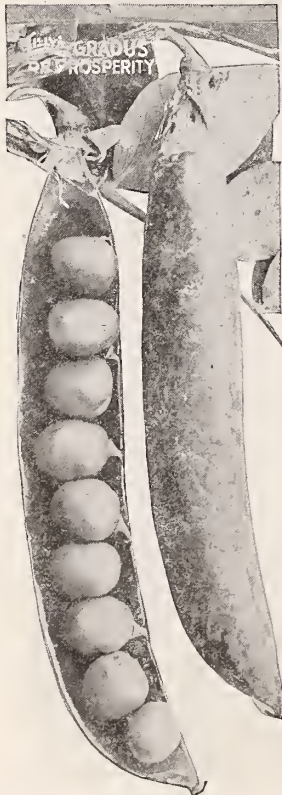
LILLY'S Gradus or Prosperity

Best Extra Early Wrinkled Pea

This grand extra early pea has no superior and few if any equals. It is practically as early as the small, round, hard, smooth peas commonly grown for extra early, and it is so much better in every other way that it is fast displacing them for first early crop. It is equal in quality to most of the late varieties, and many of our customers use it exclusively sowing in succession for early, medium and late.

The vine is vigorous, robust, heavy stemmed, and grows only two and one-half to three feet high. The pods are large and are filled with six to ten very large, wrinkled, narrow peas of the most delicious flavor; as large, as sweet, and as tender as the finest late peas. Our seed is grown from the original strain, acclimated in the Northwest.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.



About Canning

Canned vegetables for use when fresh vegetables are not available have an assured place in household economy, and by this method any surplus of the garden may be used to advantage. All of the garden vegetables are wholesome and nutritious when properly canned, and if the directions given are followed all of them may be kept satisfactorily. There are several methods by which Vegetables may be canned. We believe, however, that what is known as the "cold-pack" method is the most satisfactory for general use. By this method, with a table showing the time required for cooking, any fruit or vegetable may be canned successfully.

Peas ^{Early} Varieties

LILLY'S Thomas Laxton

Extra Early and Fine Quality

Thomas Laxton Peas are very similar to Gradus in every way except the shape of the pods, the ends of which are square, and the pods and vines are a darker green. It is nearly or quite as early as Gradus, and the large wrinkled, dark green peas are sweet, tender, delicious, and unexcelled in quality by any of the late varieties. The vines grow about three feet high.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

American Wonder

One of the Best—Easily Grown

Very early, and of dwarf compact growth, about twelve inches high. Very popular with those who object to making a support for the vines. The pods are about three inches long, straight, round, blunt at the ends, and light green. The peas are of medium size, wrinkled, and of fine quality.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

Nott's Excelsior

An Ideal Pea for the West

A dwarf, early variety, about fourteen inches high, and quite productive. The pods are three inches long, round and blunt at the ends. The peas are of medium size, green, wrinkled and of good quality.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

Alaska, or Earliest of All

The Canner's Favorite

A well-known, smooth seeded extra early variety, extensively used by canners. The vines are strong and vigorous, two feet high, and of light green color. The pods are about three inches long, and are well filled with round, blue peas, slightly pitted.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

Little Gem

Gem in Quality as well as in Name

A medium early dwarf variety, growing about fifteen to twenty inches high, robust, branching, and productive. The pods are about three inches long, well filled with medium-sized, green, wrinkled peas of good quality.

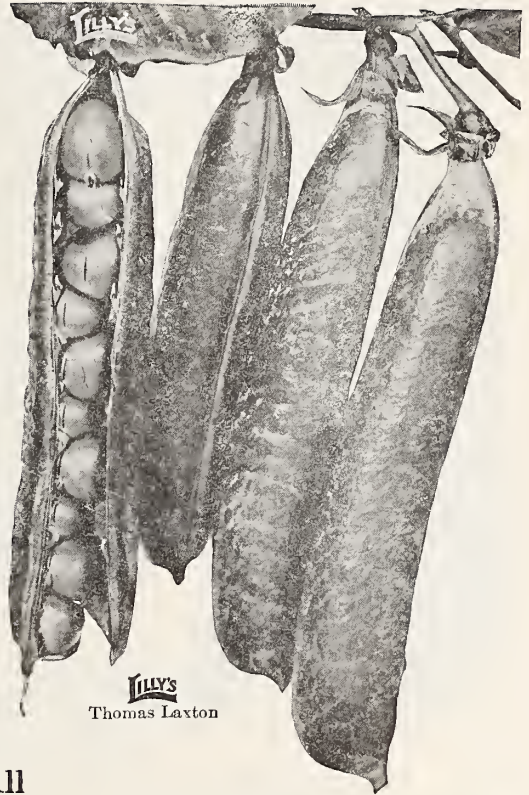
Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

Peas Short Crop 1919

Practically all the varieties yielded short last year, consequently supplies are limited but we hope to be able to supply in quantities quoted. To avoid disappointment it is desirable to mail your order early. There is a tremendous demand for Lilly's Seeds and the only fair way to ship orders is in strict rotation as received. You have everything to gain and nothing to lose by mailing your order TO-DAY.

**OUR
SEED
PEAS**

are the best quality obtainable. They are the product of our own contract crops grown in Washington, and are thoroughly rogued during growth to remove all impure types and also carefully dressed and hand picked.



LILLY'S
Thomas Laxton



Nott's
Excelsior

Little Marvel

The vines, of dwarf, even growth, average fifteen inches in height and are heavily set with fine pods, frequently borne in pairs. The pods average two and one-half inches in length, are square at the bottom, and well filled with six or seven quite large, deep-green peas. All who desire a fine early crop of the choicest wrinkled peas will be delighted with Little Marvel.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.



Peas Main Crop and Late Varieties

LILLY'S Lincoln

A Dwarf Main Crop Pea of Fine Quality

A splendid dwarf main crop pea. The variety originated in England, but our seed is grown and acclimated in the Northwest. The vines grow about two feet high, making it popular with those who dislike the labor of making a support for them. The peas are of medium size, curved and pointed, and are well filled with good-sized wrinkled peas, very sweet and of excellent quality. Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

Boston Unrivalled

Very Productive

A good main crop pea, growing about five feet high, and very productive. The pods are large, pointed and pale green. The peas are large, wrinkled, blue-green in color, and are of good flavor.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25**, Postage extra.

Quite Content

A Giant Podded Main Crop Marrowfat

A tall-growing late or main crop variety, five to six feet high, bearing exceedingly large pods in pairs. The peas are large, wrinkled and of good quality.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25**, Postage extra.

Alderman

Large Podded, Fine Flavor

A splendid new large podded main crop pea, growing about five feet high. The pods are larger than the Telephone, are dark green, and are well filled with large wrinkled peas of fine flavor.

Pkt. **15c**, 1 lb. **40c**, 10 lbs. **\$3.75**, Postage extra.

Boston Unrivalled

LILLY'S
Quite Content

Telephone

The Market Gardener's Favorite

The standard market gardener's main crop pea. Grows about five feet high, and bears an abundance of long, straight, pointed pods filled with large peas of a rich, sugary flavor.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25**
Postage extra.

Dwarf Telephone

A Popular Dwarf Sort

An excellent late dwarf pea, bearing a heavy crop of large, well-filled, attractive, straight pods. The plants grow about two feet high.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25**
Postage extra.

Dwarf Grey Sugar

Luscious in Flavor

An edible pod pea growing about two feet in height. Pods very delicious when cooked same as green or wax beans.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25**
Postage extra.

Prizewinner

Yields Abundantly

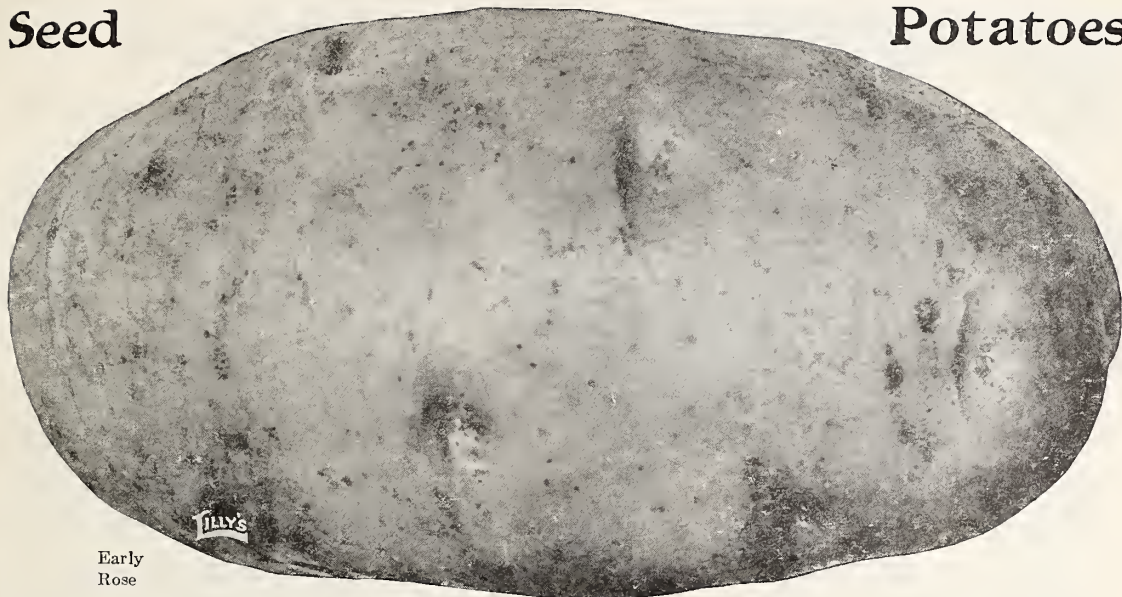
A good second early or main crop variety. The vines grow about three feet high, and bear abundantly; very large, deep green, slightly curved, pointed pods, well filled with large, wrinkled peas of exceptionally fine flavor.

Pkt. **15c**, 1 lb. **35c**, 10 lbs. **\$3.25**
Postage extra.



Seed Selection

We are fully alive to the importance of the question of Seed Improvement. It is our hobby (as well as our serious business) on our farms and in our trial grounds we have proved the good results of careful selection. It is entirely due to this that our business has grown so rapidly and consistently. There are a lot of farmers and gardeners (unfortunately for them as well as for us) who still persist in buying seeds by price instead of quality. It takes some people a long time to find out that a few cents saved off the seed bill has to be paid for in dollars when the crop is harvested. Our success depends upon the success of our customers. LILLY'S Seeds help the farmer and gardener to succeed.



Early
Rose

Earliest of All

Earliest of All made the best showing of any of the early varieties grown in our trial grounds last season. It was about two weeks earlier than any other, and more productive than most of them. It is a round, white potato, very similar to Irish Cobbler, is uniform in size and shape, smooth, and of fine quality.

Irish Cobbler

A splendid extra early variety, and one of the best for early market. The tubers are very handsome, almost round, larger than most other early potatoes, and uniform in size and shape, producing very few small potatoes. The skin is creamy white sometimes slightly netted, which is an indication of good quality. The eyes are strong, well developed and slightly indented. The flesh is white and of excellent quality, cooking dry and mealy. It is a very reliable variety and a heavy cropper.

Bovee

One of the best early varieties, earlier than Early Rose, and very productive. It yields a very large percentage of perfectly formed tubers of good size. The tops are short and compact and the potatoes are set close in the hill. In rich soil and with good cultivation it will yield abundantly, but under adverse conditions it will not produce the best results. The skin is pink or flesh color, the flesh is white and of good quality.

Price, subject to change: See supplement following page 48 or write for quotations.

Early Rose

This old standard early potato is one of the best early varieties, but has deteriorated, and there is very little good seed to be had. We procured thoroughbred seed from a strictly reliable potato specialist, from which we have produced splendid crops of seed potatoes. Early Rose is too well known to require much description. It is of good size, oblong, the skin has a rosy blush and the flesh is white.

Up-To-Date

This new main crop potato excels any other late variety that we have grown. It is a remarkably heavy cropper and is exceedingly vigorous and free from disease. The tubers are slightly oblong, flattened, grow to a uniform size, are very attractive, with few and exceedingly shallow eyes. The skin and flesh are white, and the cooking qualities are of the very best, always dry and floury, and the flavor is excellent.

Other Varieties

The above are the only varieties that we have had specially grown for us, but we expect to purchase from reliable growers such varieties as Burbank, Netted Gem, American Wonder, and others. Such good varieties as we can purchase will be listed in price list supplements which we will issue from time to time, and which we will gladly mail to you on request.

Important Notice

It being impossible to foresee in advance of potato planting season what the demand will be it sometimes happens stocks become exhausted earlier than we anticipated. Further, crops vary considerably in regard to quantity and quality which increases the difficulty of providing suitable seed of any particular variety. We therefore, request customers to name a second or even third choice when ordering. In the event of our being sold out of the particular variety ordered we will substitute the nearest similar variety unless specific instructions to the contrary accompany the order. All orders for potatoes are filled in strict rotation.

Jerusalem Artichokes

These are quite distinct from the Green Globe Artichoke listed in the Vegetable Seed Section of this catalog. The tubers resemble potatoes, but, although by some they are considered a great delicacy, in this country they are used mostly for hog food. They are easy to grow, and are one of the best and cheapest foods for hogs. They should be planted and cultivated the same as potatoes, and will produce immense crops, but they are very hardy and persistent, and are often planted on new land and the hogs allowed to harvest them, at the same time subduing the land.

Price, subject to change: See supplement following page 48 or write for quotations.

One ounce of
Seed will
plant 100
feet of
drill



LILLY'S
Crimson Giant

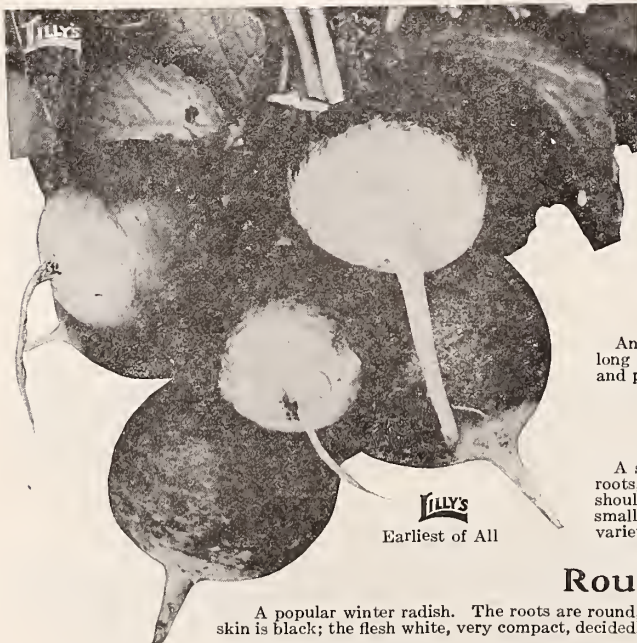
French Breakfast

A quick-growing, small, olive-shaped radish. The color is deep rose-scarlet except a little clear white about the tip. Excellent for forcing or for the home garden.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, Postpaid.

Long Bright Scarlet

An excellent early long red radish for home or market. The roots are smooth, slender, about six inches long, uniform in shape, and very attractive. They remain crisp and tender until nearly matured.



LILLY'S
Earliest of All

Radish

LILLY'S Crimson Giant

King of all Early Radishes

Crimson Giant is double the size of any other variety of the early turnip-shaped type, but does not become hollow or pithy, the flesh remaining white, solid, crisp, tender and juicy and of the mildest flavor, for a much longer period than any other. It is equally suitable for early planting outdoors, and for succession. The texture and flavor is unequalled.

Sold only in sealed packages.

Pkt. 5c, Oz. 20c, $\frac{1}{4}$ lb. 60c, Postpaid.

Early Scarlet Turnip

A standard variety for early outdoor planting for home or market. The roots are small, round, and deep scarlet. The flesh is white and of good quality.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, Postpaid.

Early Scarlet Turnip (White Tip)

A very popular extra early turnip-shaped radish. The roots are bright scarlet; with a distinct white tip. The flesh is white and of good quality.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, Postpaid.

LILLY'S Earliest of All

A Delicious Early Breakfast Radish

A very superior extra early turnip-shaped radish, equally good for forcing or early outdoor culture. It is small, very uniform, round, and the color is bright scarlet with an attractive white tip and a very small tap-root. The flesh is sparkling white, mild, crisp and tender.

Pkt. 5c, Oz. 20c, $\frac{1}{4}$ lb. 60c, Postpaid.

China Rose Winter

An excellent winter radish. The roots grow about five inches long and two inches in diameter. The flesh is white, firm, crisp and pungent. Seed should be sown late in summer.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, Postpaid.

White Strasburg

A splendid variety for growing during the summer season. The roots, when mature, are four to six inches long, thick at the shoulder, somewhat tapering. They may be used when quite small, and remain crisp until matured, much longer than the early varieties.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, Postpaid.

Round Black Spanish

A popular winter radish. The roots are round, sometimes top-shaped, three or four inches in diameter. The skin is black; the flesh white, very compact, decidedly pungent but well flavored. Keeps well through the winter.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, Postpaid.

Radish

LILLY'S White Icicle

An Early Long White Radish

The finest early long white radish. It is ready for use nearly as early as the early turnip-shaped varieties, and remains in good condition longer than any other early variety. The tops are very small, and the roots are long, slender, pure white and very attractive. The flesh is crisp, tender, sweet and delicious, and remains in that condition until the roots have attained large size. Sold only in sealed packages.

Pkt. 5c, Oz. 20c, ¼ lb. 60c, Postpaid.

THE DIFFERENCE

Quality in Seeds mean inbred characteristics, but disappointed gardeners are apt to think that all seeds are alike and that some are more expensive merely because the Seed House wants more profit. Seed selection and breeding costs money which accounts for the difference between good seeds and low priced cheap seeds. Very low priced seeds are like ten-cent pocket knives and two-dollar boots, too "cheap" to be economical.

Spinach

LILLY'S Mammoth Victoria

A Specially Desirable Variety

Spinach is one of the best of the vegetables grown for greens, and Mammoth Victoria is a very superior variety. It is especially good for early spring and successive plantings for summer use, but is also an excellent variety for fall planting for winter and early spring use. It is a long-standing variety, very slow in going to seed. The long, pointed leaves have very small midribs, are of a deep green color, thick, fleshy, heavily crimped, and tender.

Pkt. 5c, Oz. 10c, ¼ lb. 30c, Postpaid.

Viroflay

Has very large, thick, dark green leaves. A favorite with market gardeners for either fall or spring sowing.

Pkt. 5c, oz. 10c, ¼ lb. 25c, Postpaid.

Bloomsdale Savoy Leaved

A very early variety, hardy, and suitable for early spring use. The leaves are large, round and thick, very much savoyed.

Pkt. 5c, oz. 10c, ¼ lb. 25c, Postpaid.

Thick Leaved Improved

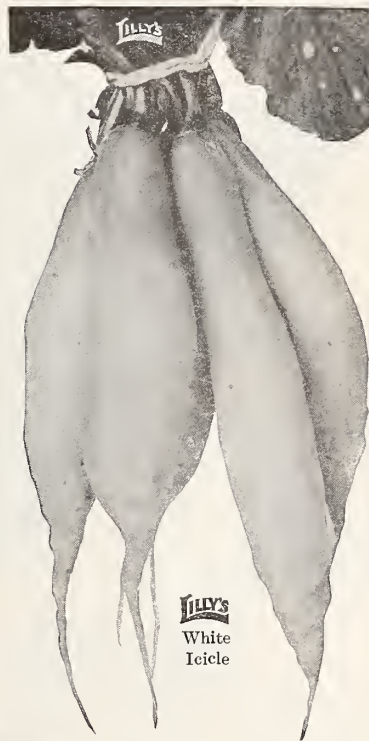
For either fall or spring sowing. Produces large, thick, bright green, crumpled leaves of excellent quality. Slow in running to seed.

Pkt. 5c, oz. 10c, ¼ lb. 30c, Postpaid.

Prickly Winter

A standard market gardeners' variety for fall sowing. The leaves are bright green, large, smooth, and shaped like an arrow head.

Pks. 5c, oz. 10c, lb. 30c, Postpaid.



LILLY'S
White
Icicle

PLANT
LILLY'S
SEEDS
AND BE
SURE

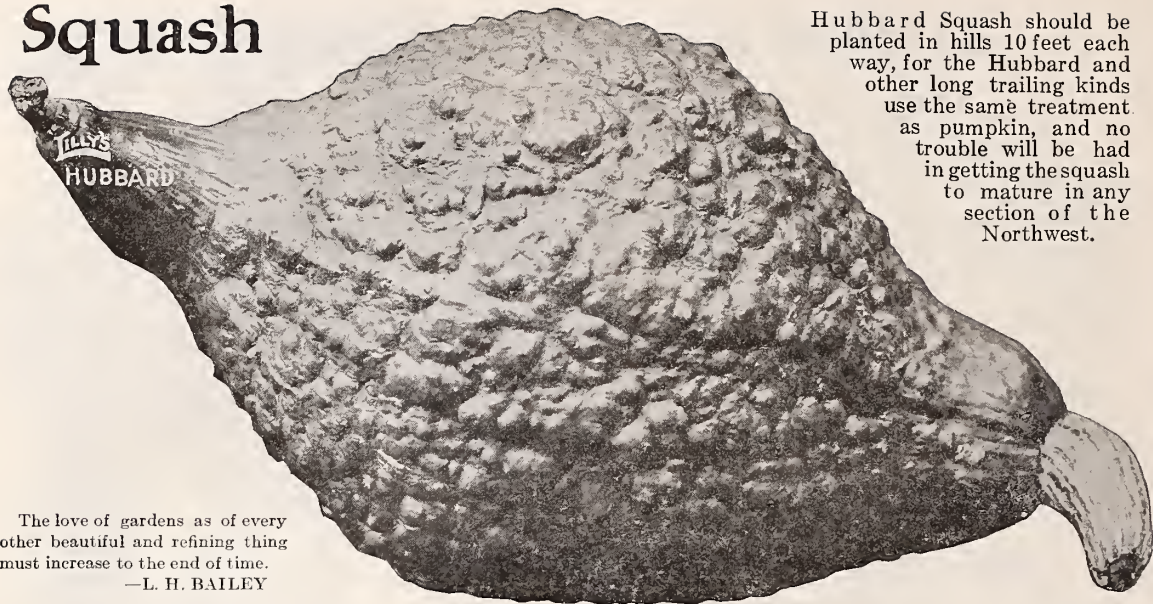


LILLY'S
MAMMOTH VICTORIA

Seeds and Plants for the Garden

Vegetable seeds should be ordered in advance of the time for planting in the open, so that they will be on hand in time for planting in flats or frames and also for use outdoors as soon as the weather and the condition of the soil make planting possible. Before ordering seed, it is a good idea to look over the garden plot, decide on the best location for each vegetable, and determine how much seed will be required for the space available for each variety.

Squash



Hubbard Squash should be planted in hills 10 feet each way, for the Hubbard and other long trailing kinds use the same treatment as pumpkin, and no trouble will be had in getting the squash to mature in any section of the Northwest.

The love of gardens as of every other beautiful and refining thing must increase to the end of time.

—L. H. BAILEY

JILLY'S Hubbard

Unequaled for Winter Use

An improved strain of the true Hubbard, which has long been the most popular winter squash, and is still unexcelled. The vines are strong, vigorous and productive. The fruits are large, and the shell is dark green, extremely hard, and densely warted. The flesh is golden-yellow, thick, fine grained, dry, sweet, and no other squash can compare with it in flavor. It is unequalled as a winter keeper and shipper.

Pkt. **5c**, Oz. **20c**, $\frac{1}{4}$ lb. **60c**, Postpaid.

Early Summer Crookneck

Early and Productive

A popular early bush variety. The fruits are of the well known crook-neck form, deep yellow, densely warted, and of good quality and flavor.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **40c**, Postpaid.

White Bush Scallop

An early bush squash; large, often twelve inches in diameter; flattened; scalloped around the edges; and of a clear, waxy white.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **40c**, Postpaid.

English Vegetable Marrow

Very popular in England and can be grown equally well here; they should be eaten when less than half grown, at which time the flesh is very tender and may be cooked like other squash or fried like eggplant. Oblong in shape, color creamy-white.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **40c**, Postpaid.

JILLY'S Delicata

For Summer or Winter

Delicata is the earliest vine squash, maturing nearly as early as the bush varieties, and is of very superior quality. Being a hybrid, it varies considerably in form and color, but the quality is uniformly good. It is as dry, sweet and deliciously flavored as the winter varieties, and if properly stored will keep nearly as long. The fruits are small, and the flesh is rich, dry and mealy.

Pkt. **5c**, Oz. **20c**, $\frac{1}{4}$ lb. **60c**, Postpaid.

Boston Marrow

Produces Large Oval Fruit

A very popular vine squash for fall and winter use. The fruits are of medium size, oval shape and orange color. The flesh is rich salmon-yellow, fine grained and of excellent flavor.

Pkt. **5c**, Oz. **15c**, $\frac{1}{4}$ lb. **35c**, Postpaid.

Mammoth Chili

The largest of all squashes. The fruits are smooth; oblong, flattened at the ends, and orange color. The flesh is fine grained, sweet and good for pies; also good for stock food.

Pkt. **5c**, Oz. **20c**, $\frac{1}{4}$ lb. **60c**, Postpaid.

Tomato

One oz. of seed should produce 2000 plants

LILLY'S Puget Sound Special A Splendid Extra Early Tomato

Puget Sound Special in addition to being one of the very earliest tomatoes, is one of the best for any locality, and is decidedly the best tomato that may be depended upon to mature in the country west of the Cascade Mountains. It is equalled in earliness only by Earliana, sometimes producing ripe fruit as early as July 4th.

The flesh is solid, meaty, and of delicious flavor, with few seeds and no hard core. It is a heavy yielder of splendid firm fruits, which are of good shape and rich red color. For the Pacific Coast it is the best for either early or late; also excellent for hot-house culture. Sold only in sealed packages.

Pkt. **10c**, oz. **45c**, $\frac{1}{4}$ lb. **\$1.35**, Postpaid.

LILLY'S Earliana

Although this is the earliest good variety grown, the quality is excellent. It produces large clusters of medium size, deep red fruit, uniform in size and of good shape; very solid and of fine flavor. It is a popular variety for green house forcing, and is excellent only by Puget Sound Special for outdoor culture on the Pacific Coast. Lilly's improved strain is sold only in sealed packages.

Pkt. **5c**, oz. **40c**, $\frac{1}{4}$ lb. **\$1.20**, Postpaid.

LILLY'S Puget Sound Forcing

Best Variety For Greenhouse Culture

It is a prolific bearer, and most of the fruit is borne close to the main stock, allowing close pruning. The fruit is of medium size, excellent shape for an early tomato, and of splendid quality. The flesh is firm and meaty, deep red, and of fine flavor. Sold in sealed packages only.

Pkt. **5c**, oz. **45c**, $\frac{1}{4}$ lb. **\$1.30**, Postpaid.

Livingston's Coreless

An Excellent Late Variety

Coreless is a medium large late tomato. In shape it is almost perfectly globular, with little or no depression at the stem end. There is no hard core and the seed cells are surrounded by bright red, heavy, meatly delicious flesh.

Sold only in sealed packages.

Pkt. **5c**, oz. **0c**, $\frac{1}{4}$ lb. **\$1.20**, Postpaid.

Ponderosa

Ponderosa is massive in size. Of good form, smooth, free from wrinkles and does not crack. The flesh is solid and meaty, almost seedless and of delicious flavor. Our seed is carefully grown from selected stock and is sold only in sealed packages.

Pkt. **5c**, oz. **45c**, $\frac{1}{4}$ lb. **\$1.35**, Postpaid.

Dwarf Champion

A dwarf, compact, second early variety, growing only about two feet high and requiring no stake; vigorous and productive. The fruits are of medium size, smooth and of good quality.

Pkt. **5c**, oz. **40c**, $\frac{1}{4}$ lb. **\$1.20**, Postpaid.

Early Michigan

A popular second early variety of good quality. The vines are vigorous and productive. The fruits of medium size, crimson-scarlet color.

Pkt. **5c**, oz. **40c**,
 $\frac{1}{4}$ lb. **\$1.20**, Postpaid.

Tobacco

Connecticut Seed Leaf

A hardy variety, adapted to growing in the Northwest.

Pkt. **5c**, oz. **40c**,
 $\frac{1}{4}$ lb. **\$1.20**, Postpaid.

Havana

The leaf is very thin and of fine texture. Much used for cigar wrappers.

Pkt. **5c**, oz. **60c**,
 $\frac{1}{4}$ lb. **\$1.80**, Postpaid.

New Stone

A very large and solid main crop or late tomato. The vines are very large, vigorous and very productive. The fruits are bright, deep scarlet, oval, exceptionally smooth and uniform in size, and of excellent quality. A splendid shipper.

Pkt. **5c**, oz. **40c**, $\frac{1}{4}$ lb. **\$1.20**, Postpaid.

Acme

An old, well known variety, popular for home use. The fruits are ripened evenly and medium early; of medium size, purplish pink, round, smooth, and free from cracks. The flesh is solid and of good quality and flavor.

Pkt. **5c**, oz. **40c**, $\frac{1}{4}$ lb. **\$1.20**, Postpaid.

Red Cherry

The fruits are very small, less than one inch in diameter and are used for preserves and pickles. They are perfectly round, smooth and of bright color.

Pkt. **5c**, oz. **50c**, $\frac{1}{4}$ lb. **\$1.50**, Postpaid.

Red Pear

Used for preserves and to make "tomato figs." The fruits are small, pear-shaped, bright red and of delicious flavor.

Pkt. **5c**, oz. **55c**, $\frac{1}{4}$ lb. **\$1.65**, Postpaid.

Yellow Pear

The fruits are similar to red in shape and size, but are a rich clear yellow color.

Pkt. **5c**, oz. **55c**, $\frac{1}{4}$ lb. **\$1.65**, Postpaid.

Yellow Plum

Fruits are plum-shaped, clear, deep yellow color; and the flesh is yellow and finely flavored. Used for preserves.

Pkt. **5c**, oz. **55c**, $\frac{1}{4}$ lb. **\$1.65**, Postpaid.



Puget Sound Special

Turnip

LILLY'S

Petrowski

A NEW YELLOW VARIETY

This new early yellow turnip was imported from Finland. The following is description by Prof. C. C. Georgeson, special agent in charge of Alaska investigations: "Turnip of medium size; top short, spreading so that lower leaves generally lie on the ground. Flesh yellow, tender, very pleasant. Shape rounded, almost spherical; quite uniform in size and shape. Medium early. An excellent keeper and altogether the best turnip we have ever tried in Alaska." Pkt. 10c., oz. 25c., postpaid.

Petrowski

Purple-Top White Globe.

An early medium-sized, globular-shaped turnip of good quality for table or stock. A heavy producer and good keeper. The flesh is white and of good eating quality. Pkt. 5c., oz. 20c., postpaid.

LILLY'S

Snowball

THE FINEST EARLY WHITE TURNIP

This delicious turnip is the best early variety grown. Under favorable conditions is ready for use six weeks after the seed is sown. It is small, uniform in size and shape, and almost perfectly globular. The skin is smooth, white and thin; flesh is pure, sparkling white, sweet, tender, crisp and delicious. Sold in sealed packages only. Pkt. 10c., oz. 25c., postpaid.

LILLY'S

Early White Milan

An excellent table turnip adapted for very early spring planting. The flesh is fine-grained, tender and of a mild, sweet flavor. Pkt. 10c., oz. 25c., postpaid.

Golden Ball or Orange Jelly. One of the most delicately flavored. It is of very quick growth and is adapted to either early spring or fall planting. The tops are small. Roots are of medium size, round, very smooth, and deep yellow; the flesh is firm, crisp and of excellent quality. Pkt. 5c., oz. 15c., postpaid.

Early White Flat Dutch. An early white turnip, popular for both table use and stock. The roots are of medium size, flat, white-fleshed, fine-grained and sweet. Pkt. 5c., oz. 15c., ppd.

Purple-Top Strap-Leaf. It matures very quickly, and may be used for either early spring or fall sowing. The roots are flat, medium size. Color purple or dark red, white below. The flesh is white, fine grained and tender. Pkt. 5c., oz. 15c., postpaid.

Cowhorn. Grows very long. Very popular for stock and is clear white except a little shade of green at the top. The flesh is fine grained and of good flavor. It grows very quickly. Well adapted for fall and early winter use. Pkt. 5c., oz. 15c., ppd.

Yellow Aberdeen. A large-sized, round, late-maturing, long-keeping yellow-fleshed turnip. Hardy, productive and valuable for stock feeding. The roots are yellow with purple top. Flesh pale yellow, firm, tender and sweet. Pkt. 5c., oz. 15c., postpaid.

Rutabaga

LILLY'S

King of Swedes

The best and most satisfactory rutabaga for either table or stock. Wonderfully productive, large, of good shape, and a splendid keeper. The flesh is rich, yellow and of finest quality. Pkt. 10c., oz. 20c., postpaid.

American Purple-Top. One of the most popular varieties for table or stock. Very hardy and productive; flesh is yellow, solid and sweet. Pkt. 5c., oz. 15c., postpaid.



Purple-Top White Globe

Snowball

King of Swedes

LILLY'S

ANNUAL—1920

LILLY'S Flower Seeds Captivate The West

And, North and South and East and West
 The pride of every zone
 The fairest, rarest and the best
 May all be made our own.—WHITTIER

Then and Now! What of the Outlook?

The above verse is taken from Whittier's Hymn to the American Horticultural Society. It was written in 1882 when Americans were just beginning to take a vital interest in gardening; were just beginning to realize that they had time and money and, most of all, the desire to garden finely as well as to build stately. It expresses high aspirations, noble intentions. Since then these have flowered into gardens from end to end of the land; few estates but have, as a matter of course, fine gardens; few suburban places have but an assemblage of flowers personally tended, and these are often of rare and choice varieties. Indeed it has seemed from certain gay signs and portents observed in our towns and villages that even these often depressing areas might be on the point of such a blossoming as sets their English prototypes like jewels in the memory.

All this has been good, for "flowers through their beautie, varietie of colour and exquisite forme doe bring to a liberal and gentelmanly mind the remembrance of honestie, comlieness and all kinds of virtue," and it would seem that never before has the world stood so in need of being "admonished and stirred" to contemplation of these, perhaps, old-fashioned qualities.

In the following description we show the height, color and season of blooming. We have also classed the plants as Annuals, Biennials, and Perennials, dividing these into Tender, Half-Hardy and Hardy. These descriptions are important to those who are not familiar with the plants, and will assist in choosing those most suitable.

Hardy Annuals may be sown outdoors in the fall or early spring, preferably fall. They bloom the following summer, and then die. Half-Hardy Annuals require an even temperature of at least sixty degrees to germinate the seed, and will not stand frost. For early blooms the plants must be started under glass or in the house, and not planted outdoors until danger of frost is past.

Tender Annuals must be grown in pots in a greenhouse or in the house, and exposed outdoors only during the most favorable weather.

Biennials are best sown outdoors in September, and will bloom the following summer, after which they will die. If sown in spring they will not bloom until the next year.

Hardy Perennials seldom bloom the first year, but usually bloom the second and many succeeding years. They may be sown in spring, but are best sown outdoors in September.

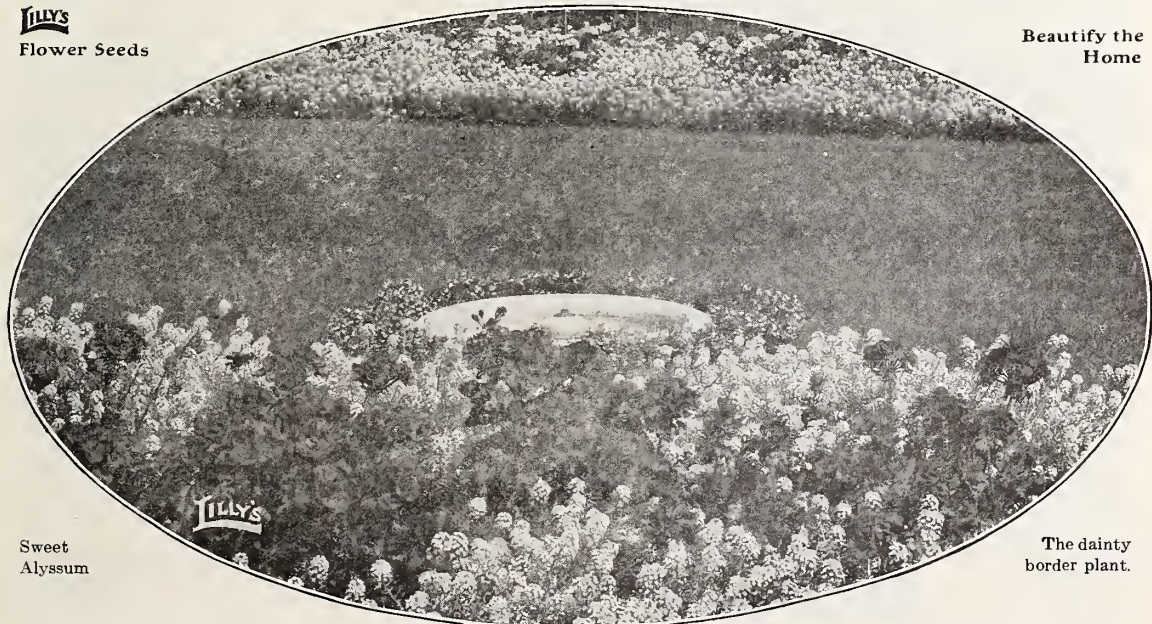
Half-Hardy Perennials require some protection during cold winter weather. The seed should be sown in boxes or pots, or outdoors late in spring.

Tender Perennials require protection during the greater part of the year.

The seed bed for flowers should be carefully prepared. The soil should be rich, consisting of a good proportion of sand and leaf mold, and should be very finely pulverized. The smaller seeds should be covered very lightly by sifting fine dirt over them, just enough to hide them. Water should be applied in a fine spray, and not too much of it. Most plants are best started under glass or in the house and transplanted when large enough.

LILLY'S
 Flower Seeds

Beautify the
 Home



Sweet
 Alyssum

The dainty
 border plant.

The Most
Popular
Flower
In the
World

Sweet Peas

SPENCER TYPE

LILLY'S Choice Varieties Make the Garden Gay

Sweet Peas, the most beautiful of the hardy climbing annuals, are very easy to grow, and thrive under ordinary garden conditions with very little care, but a little extra attention will be amply repaid in larger earlier blooms and brighter colors. The climate of the Pacific Coast is ideal for their best development, and in no other locality will they produce blooms in such wonderful profusion and perfection.

On the Pacific Coast, where the ground does not freeze to any depth, the best time to plant is in November. They will apparently make very little growth during the winter, and it is better if the tops do not show above the ground until spring, but they will make a remarkable amount of root growth which will induce a strong growth of vines very early in spring, producing better blooms and much earlier than if planted in spring. They may, however, be planted in February, March or April, and will do very well.

LILLY'S Mixed Spencer

A Superb Mixture of Best Giant
Waved Varieties

This splendid mixture contains nearly all varieties of the Spencer type and is designed for those who wish all colors, shades and tints but do not care to keep them separate or to go to the expense of purchasing each of the many varieties.

No. 1007, Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50; postpaid.

Mrs. Routzahn

A beautiful blending of straw-color tinted with blush-pink and shading to apricot and rose at the edges. One of the finest.
No. 1011.....Pkt., 10c; oz., 30c; postpaid

Margaret Madison

A charming, clear, azure-blue, self colored. An improved strain; large flowered and one of the most beautiful Spencers.
No. 1048.....Pkt., 10c; oz., 45c; postpaid

Margaret Atlee

One of the most magnificent. Of immense size, with large wavy wings, well poised and few stems bear less than four blossoms. The color is very attractive, a rosy salmon-pink on a creamy buff ground.

No. 1043.....Pkt., 10c; oz., 45c; postpaid

Countess Spencer

The original of the Spencer Type, and still one of the best. The color is a beautiful clear pink.

No. 949.....Pkt., 10c; oz., 35c; postpaid

Dobbie's Cream

A deep cream-color; large and fine. The best Spencer of this color.

No. 1042.....Pkt., 10c; oz., 35c; postpaid

Florence Morse

Large wavy flowers of soft blush-pink flushed towards the edge with deeper pink.

No. 1014 Pkt., 10c; oz., 35c; postpaid

Vermillion Brilliant

A brilliant scarlet Spencer of splendid form. The standard is very bold and beautifully waved. On account of its brightness this is a very telling color and should be in every collection.

No. 1046 Pkt., 10c; oz., 40c; postpaid

Dainty

Very large, splendidly formed flowers of blush-white distinctly picotee edged with rose-pink. A beautiful Sweet Pea of splendid Spencer form.

No. 1008 Pkt., 10c; oz., 35c; postpaid

Primrose

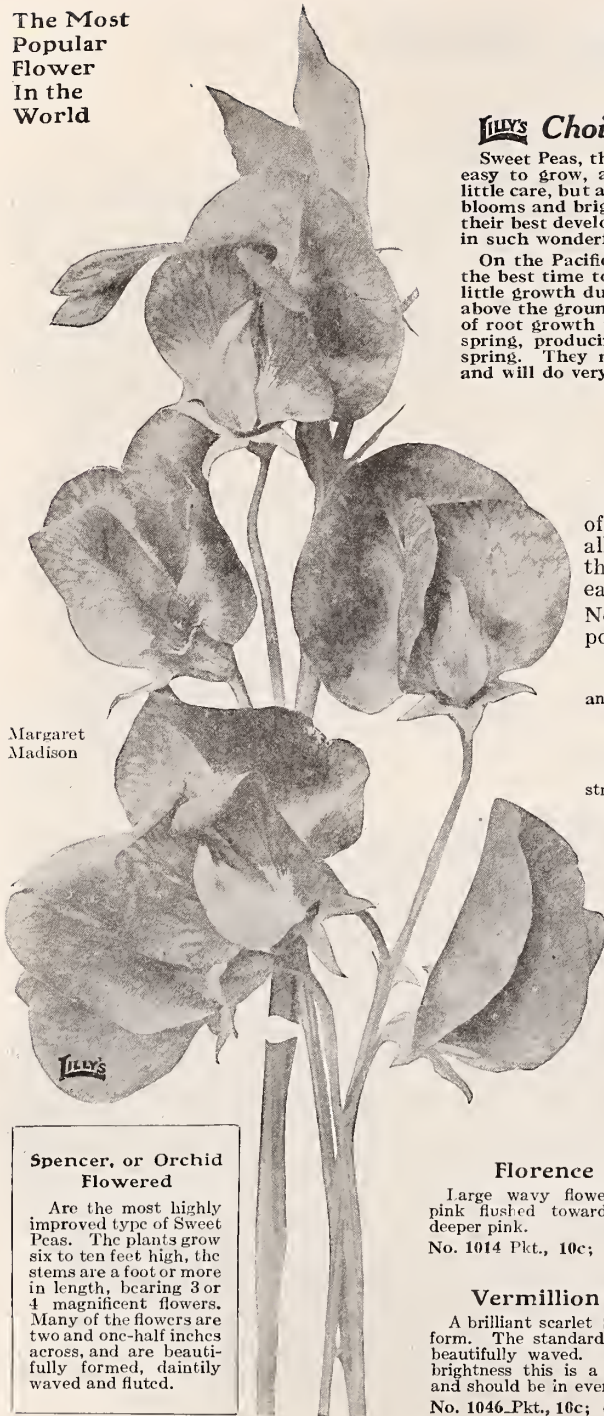
The best of its class. Clear primrose of the best Spencer form. The flowers are large and beautifully waved.

No. 1002 Pkt., 10c; oz., 35c; postpaid

Margaret
Madison

Spencer, or Orchid Flowered

Are the most highly improved type of Sweet Peas. The plants grow six to ten feet high, the stems are a foot or more in length, bearing 3 or 4 magnificent flowers. Many of the flowers are two and one-half inches across, and are beautifully formed, daintily waved and fluted.



Sweet Peas

Royal Purple

Considered to be the best purple Spencer. The color deepens and improves as the flowers age. A strong grower, very floriferous and excellent for exhibition.

No. 1113.....Pkt., 10c; oz., 50c; postpaid

Blanche Ferry

Standard bright carmine rose, wings white hinged with pink. Medium size, open form. An old popular and vigorous variety.

No. 1114.....Pkt., 10c; oz., 45c; postpaid

Fiery Cross

An entirely new shade of red and easily the most brilliant red Spencer. The shade of red is hard to describe. A bright red-orange cerise with some salmon in it might convey the idea.

No. 1072.....Pkt., 10c; oz., 45c; postpaid

King White

The king of all white Sweet Peas because of the perfection of the flower in every detail—form, size, waviness and glistening immaculate whiteness.

No. 1041.....Pkt., 10; oz., 45; postpaid

Thomas Stevenson

Large and brilliant effective flowers, fiery red orange. Practically sun-proof. A grand Spencer.

No. 1044.....Pkt., 10c; oz., 40c; postpaid

White

The flowers are very large, white and of magnificent Spencer waved form. The stems are long and generally carry four blossoms.

No. 1001.....Pkt., 10c; oz., 30c; postpaid

King Edward

The best pure red Spencer. It is very large, with open form, immense wings, and beautifully waved. The color is rich crimson scarlet.

No. 1009.....Pkt., 10c; oz., 30c; postpaid

Illuminator

A glorious orange-salmon Spencer of striking color and magnificent form and size.

No. 1045.....Pkt., 10c; oz., 45c; postpaid

Wedgewood

A clear light silvery-blue, with just a suggestion of mauve in the banner. An improved large flowering strain and the best variety of its color.

No. 1049.....Pkt., 10c; oz., 45c; postpaid

George Herbert

A large and beautiful Spencer. The color is rose-crimson suffused with magenta and showing veins in the wings.

No. 1003.....Pkt., 10c; oz., 30c; postpaid

Asta Ohn

The best Lavender Spencer. The flowers are very large and beautifully waved. The color is a beautiful soft pinkish lavender.

No. 1005.....Pkt., 10c; oz., 35c; postpaid

Othello

Of immense size with large drooping wings. The color is a very dark rich maroon. The best very dark colored Sweet Pea.

No. 1047.....Pkt., 10c; oz., 35c; postpaid

Flora Norton

Flowers of medium size, but very nicely waved, and produced profusely. The color is a beautiful pale blue.

No. 1006.....Pkt., 10c; oz., 30c; postpaid

Senator

A very large and attractive Spencer; chocolate and seal brown striped, flaked and mottled on ivory white. Very distinct and novel and one of the very largest in size.

No. 1051.....Pkt., 10c; oz., 30c; postpaid

America

Striped and flaked brilliant carmine-red over white. Very large flowers of splendid form and striking color.

No. 1024.....Pkt., 10c; oz., 35c; postpaid

Apple Blossom

A very large bold flower of best Spencer form. The standard is very bright rose, wings primrose with a flush of rose tint. Very robust and profuse flowering.

No. 1050.....Pkt., 10c; oz., 35c; postpaid



"Flowers are the beautiful hieroglyphics of Nature, by which she indicates how much she loves us."
—GOETHE

Sweet Peas

LILLY'S Selected Grandifloras The Best That Grow

The Standard, or Grandiflora type Sweet Peas, includes some splendid varieties and beautiful colors, and they bloom lavishly during the entire season.

The Spencer (or waved) types have now gained such popularity that they are slowly but, nevertheless, surely taking precedence over the grandifloras. As a result, hybridizers have relaxed their enthusiasm for the latter, but as there still exists many staunch admirers of Grandifloras, we continue to offer those varieties which are, in our opinion, the most vigorous in growth and produce the finest blooms. The Grandifloras are very free flowering, and if anything more robust than the Spencer types; are extremely hardy and productive and very satisfactory in every way.

America No. 364

Very attractive and unique. Crimson-scarlet striped on white. One of the largest of this type. Open form.

Black Knight No. 365

Large, and of the popular open form. It is one of the darkest colored Sweet Peas, a glossy deep maroon, almost black.

Blanche Ferry No. 964

Standard bright carmine-rose, wings white tinged with pink; open form.

Dorothy Eckford No. 969

Large, pure white flowers of semi-hooded form. The best white Sweet Pea of the Grandiflora type.

King Edward VII No. 954

Large; open form; bright red. Best of the pure red Grandifloras.

Lady Grisel Hamilton No. 465

Soft lavender tinted with mauve in the standard. Hooded form.

Hon. Mrs. E. Kenyon No. 976

Light primrose; large; semi-hooded form.

Prices: Any of the above Grandiflora Type: Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75; postpaid.



Lord Nelson No. 1039

Dark navy blue. The best of the color.

Prima Donna No. 1040

Exquisite clear, light pink; hooded form.

Prices: Any of the above Grandiflora Type: Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.

PURCHASING SEEDS.

If it is your desire to secure the best value for money expended, exercise care in the purchase of your flower seeds. They should be bought from reliable dealers only, for it is these men who aim to procure the seeds from the best plants, and those bearing the finest flowers.

Points about Growing Sweet Peas

1. Sow the seeds in a double row from four to six inches apart thus:

About 14 seeds will suffice per yard double row as shown.

2. Sow the seeds in suitable soil in a sunny situation. They do best on a free, deep loam, well cultivated.

3. Plant not less than two inches deep and draw the soil up to the plants when they are about three inches high. Sweet peas need plenty of room, so don't crowd them when sowing the seed. Most people sow twenty seeds where ten would give better results.

5. Remember, the more you cut the more they will bloom. Don't allow them to go to seed—keep on cutting.

LILLY'S Royal Mixed

A Fine Mixture of Grandiflora Varieties

There are many enthusiastic lovers of gardens who wish to obtain a continuous and varied supply of bloom throughout the summer months, who find it somewhat expensive to purchase all the named varieties of their own choice, and it is to these customers Lilly's Royal mixed will appeal.

Included in this mixture are the best of all varieties and colors of Grandiflora Type Sweet Peas. Every seed is of some worthy variety and will produce a satisfactory blossom. Those who do not care to keep the colors separate will find this mixture very pleasing.

No. 958. Pkt., 10c; oz., 20c ¼lb., 40c; lb., \$1.25; postpaid.

Asters

No home is complete without Asters, Nasturtiums and Sweet Peas. Lilly's choice varieties of Asters produce magnificent blooms of this popular Annual.

They require only ordinary care and good garden soil, but respond liberally to a little extra attention. They are exceedingly productive, and the delicate colors, long season of bloom, and vigor of the plants make them indispensable in the garden. The long, graceful stems and immense size and splendid form of the flowers make them among the most pleasing cut flowers.

Lilly's Crego Giant

Largest and Most Beautiful

These are the finest and largest of all Comet Asters. The flowers are immense, often five inches or more in diameter, and are composed of long, wavy, twisted petals gracefully formed into loose, yet densely double, half globes, equalling some of the finer Chrysanthemums.

The plants are of luxuriant, branching growth, two feet tall, and bearing twenty to thirty of these magnificent flowers on very long stems, which gives them added value for cutting. They keep in good condition longer than other varieties.

Per Pkt.

No. 1012.	Crego Giant, White.....	10c
No. 1013.	Crego Giant, Pink.....	10c
No. 1036.	Crego Giant, Crimson.....	10c
No. 1037.	Crego Giant, Lavender.....	10c
No. 1077.	Crego Giant, Azure Blue.....	10c
No. 1078.	Crego Giant, Purple.....	10c
No. 1079.	Crego Giant, Mixed.....	10c



A GOOD SUGGESTION

If you would like immense individual flowers of Asters that will make your table bouquets the wonder of your friends, and that will win you prizes at the fairs do this. Select a few of your best plants and allow only five or six main stems to develop. Pinch off all other branches and all but the terminal flower bud on each stem. Then the strength of the entire plant is thrown into these few blossoms. They will be immense, on long stems. Enrich the soil occasionally.

Perennial Asters

(Michaelmas Daisy)

Michaelmas Daisies fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months. Especially useful for cutting. A hardy perennial.

No. 1081. Michaelmas Daisy..... Pkt., 10c

Lilly's Giant Branching

A Beautiful Late Flowering Variety

Splendid late-flowering branching Asters. They begin blooming about the first of September and continue to bloom profusely until killed by freezing weather. The plants are strong, branching freely and grow eighteen inches to two feet high. The flowers are large, very double, and are borne on long stems. This variety is especially valuable for bedding.

Per Pkt.

No. 940.	Giant Branching, White.....	10c
No. 941.	Giant Branching, Pink.....	10c
No. 942.	Giant Branching, Lavender.....	10c
No. 1080.	Giant Branching, Crimson.....	10c
No. 939.	Giant Branching, Mixed.....	10c

Lilly's Mixed Asters

A fine mixture of many of the best varieties of annual Asters, producing a great variety of splendid forms and colors.

No. 90. Mixed.....Pkt., 10c, oz., 70c





Sweet
Alyssum

Alyssum (Sweet Alyssum)

Unexcelled for borders, beds, baskets, pots, rockeries, and for cutting. It is a hardy annual, grows about nine inches high and is covered with spikes of small white flowers during the summer and fall. It may also be grown in pots in the house during winter, where the exquisite fragrance is very pleasing.

No. 2. *Alyssum Benthami*. Pkt., 10c; oz., 25c; postpaid

Ageratum (Floss Flower)

One of the very best bedding plants. It is a hardy annual of easy culture. The plants are neat, erect and bushy, six to eight inches tall, and should be planted eight to twelve inches apart. The pretty brush-like flowers are borne in clusters. Splendid for blue effects in the garden.

No. 439. *Little Dorritt*. The plant is six inches tall and a foot wide and is a perfect mass of blue flowers all summer. Pkt., 10c; postpaid

No. 101. *Ageratum Mexicanum*, Mixed. About eight inches high of free branching habit. Pkt., 10c; oz., 25c; postpaid

Arabis (Rock Cress)

Excellent for rockeries or edgings. Grows about 6 inches high and a foot in diameter, covered with pure white flowers very early in spring. A hardy perennial, easy to grow, blooming the second year from seed.

No. 1035. *Arabis Alpina*. Pkt., 10c; postpaid

Balsam (Lady Slipper)

A fine old-fashioned garden favorite. It is a half-hardy annual, and for early blooms the seed should be sown under glass in March; or it may be sown outdoors in May. The plants do best in full exposure to the hot sun, with rich soil and plenty of water. They grow one and one-half to two feet high. Transplanting will improve the shape of the plants. They should be set a foot apart.

No. 141. *Double Balsam*, Mixed. Pkt., 10c; postpaid

Bellis Perennis (Double Daisy)

Excellent border plants, six to eight inches high, bearing charming double flowers from April to June. It is a hardy perennial, but will bloom the following summer if the seed is sown in fall or early spring.

No. 13. *Bellis Perennis*, Mixed. Pkt., 10c; postpaid

Calliopsis

One of the showiest and most easily grown hardy annuals. The plants form perfect little bushes one to two feet high and literally massed with bloom. Excellent for massing and cut flowers. The flowers are in various shades of yellow, brown and maroon. It is best to sow the seed where the plants are to grow, thinning to a foot apart.

No. 116. *Calliopsis*, Mixed colors, Pkt. 10c

Canary-Bird Vine

(*Tropaeolum Canariense*)

A pretty, rapid-growing half-hardy annual climber, attaining a height of ten to fifteen feet, and bearing little canary-yellow flowers resembling a bird with wings half expanded.

No. 148. *Canary Bird Vine*, Pkt. 10c

Antirrhinum (Snap Dragon)

Unusually effective bedding displays are made with these unique, bright colored plants. They are half-hardy perennials, but as they bloom the first year from seed, are generally grown as annuals.

No. 921. *Black Prince*. Dark crimson flowers and very dark foliage. Grows about eighteen inches high. Pkt., 10c; postpaid

No. 4. *Tall Snapdragons*, Mixed. A mixture of good tall varieties, growing three feet high. All colors. Pkt., 10c; postpaid

No. 104. *Dwarf Snapdragons*, Mixed. Best of the dwarf varieties, all colors mixed. Grows about eight inches high. Pkt., 10c; postpaid

No. 1073. *Golden King*. A splendid yellow snapdragon; three feet high. Pkt., 10c; postpaid

No. 1074. *Delicata*. A beautiful pink; three feet high. Pkt., 10c; postpaid

No. 1075. *Apple Blossom*. A charming pink shade on a white ground, with a white throat. Three feet. Pkt., 10c; postpaid

No. 1076. *Brilliant Scarlet*. A very effective red. Three feet high. Pkt., 10c; postpaid

Calendula (Pot Marigold)

One of the best and showiest free-flowering hardy annuals. Of the easiest culture, thrives in almost any kind of soil, grows about one foot high, and produces an abundance of large, bright colored flowers in various shades of yellow from early summer until killed by frost. Excellent for beds and borders; also valuable for pot culture.

No. 117. *Mixed colors*. Pkt., 10c; postpaid

Celosia (Cockscomb)

Odd, picturesque plants, bearing bright colored flowers of plumes resembling a cock's comb. Hardy annuals; fine for massing or border work.

No. 17. *Celosia Cristata*. About one foot high, bearing large, highly colored combs. Mixed colors. Pkt., 10c; postpaid

No. 119. *Celosia Pyramidalis Plumosa*. Large flowered, feathered. Mixed colors. Pkt., 10c



Antirrhinum

Carnation

(Dianthus)

These splendid half-hardy perennials are used for greenhouse florists' trade in winter and for garden decoration and cut flowers in summer. They are general favorites on account of their delicate fragrance and richness of color. The Marguerites are most popular for outdoor culture. From plants started early under glass or in the house blooms may be had the first summer or fall.

- No. 16. Mixed Double Carnations.....Pkt., 10c
 No. 402. Marguerite, White. Strong growers; free flowering; especially desirable for garden culture.....Pkt., 10c; postpaid
 No. 284. Marguerite, Mixed.....Pkt., 10c; postpaid
 No. 161. Grenada. A beautiful, early, dwarf variety. Sweet scented, double scarlet flowers.....Pkt., 10c; postpaid

Centaurea

(Corn Flower. Bachelor's Button. Sweet Sultan)

Among the most attractive and graceful of the old-fashioned flowers. They are hardy annuals of simple culture. There are several varieties, all growing one to two feet high, and are excellent for beds, borders, and for cut flowers.

- No. 923. Dwarf Victoria. A dwarf, double, Bachelor's Button. The plants are only about nine inches high, bear a profusion of large, blue, double flowers, and are excellent for pots and edgings.....Pkt., 10c; postpaid
 No. 1085. Blue Emperor. Tall, single Bachelor's Button or Cornflower, growing two feet high.....Pkt., 10c, postpaid
 No. 225. Cornflower. The old-fashioned Bachelor's Button, Cornflower, Ragged Sailor, or Bluebottle.....Pkt., 10c; postpaid
 No. 1016. Giant Sweet Sultan (Imperialis). The finest of all Sweet Sultans for cutting, lasting a long time in water. Beautiful, artistic, sweet scented flowers borne on long, strong stems. Mixed colors.....Pkt., 10c; postpaid

Annual
Chrysan-
themum



Good Seeds
cost good
money—and
they are
worth it.

Plant
Lilly's

Chrysanthemum

The hardy annual Chrysanthemums are quite distinct from the Oriental Chrysanthemums grown in greenhouses and conservatories. These showy garden annuals form compact bushes about eighteen inches high and bear an abundance of attractive flowers which are very desirable for cutting.

- No. 1058. Coronarium, Double, Mixed.....Pkt., 10c; postpaid

Cineraria

Magnificent tender perennials, grown mainly in conservatories, window gardens or greenhouses. The flowers measure two or three inches in diameter and cover the plant with a sheet of bloom. The colors are white, blue, violet and crimson shades.

- No. 19. Cineraria Hybrida, Mixed.....Pkt., 10c; postpaid

Cosmos

One of the notable fall flowers. The plants grow four to six feet tall and bear a multitude of beautiful, large, single flowers in pure white, pink and crimson. Hardy annuals.

- No. 282. Mixed Cosmos.....Pkt., 10c; postpaid
 No. 1032. White.....Pkt., 10c; postpaid
 No. 1033. Pink.....Pkt., 10c; postpaid
 No. 1034. Red.....Pkt., 10c; postpaid



This trademark means:
To You—An assurance of quality.
To Us—An acceptance of responsibility

Every Garden means a Home—
Not just a house on a
Vacant lot

PLANT
LILLY'S
SEEDS



Gaillardia

- No. 192. True California Poppy. Orange-yellow..... Pkt., 10c; oz., 25c; postpaid
No. 1089. Special Mixed Eschscholtzia. All colors..... Pkt., 10c; oz., 50c; postpaid

Gaillardia

A showy hardy annual of the easiest culture. The plants grow in compact, bushy form, about one foot high and the same in breadth, bearing freely until late in fall, large, brilliant flowers in red and yellow blended and shaded, on long slender stems. Splendid for borders and cut flowers.

No. 444. Single Annual Gaillardia, Mixed colors..... Pkt., 10c; postpaid

Echinocystis

(Wild Cucumber)

One of the quickest growing hardy annual vines. The foliage is dense, and it is one of the best vines for covering trellises, tree trunks, fences, or any place where a quick but not permanent growth is desired. A profusion of fragrant white flowers is followed by an abundance of ornamental prickly seed pods.

No. 995. Wild Cucumber..... Pkt., 10c; postpaid

LILLY'S
Fertilizers
Make Sturdier
Plants and
Larger Flowers

feet in height and bear magnificent single white flowers with yellow centers on stems eighteen inches or more in length.
No. 1004. Shasta Daisy..... Pkt., 10c; postpaid

Eschscholtzia

(California Poppy)

The state flower of California, and a hardy annual of striking character, both in form and color; bright, rich, orange-yellow. The plants grow about one and one-half feet in height, with attractive silvery foliage, branching freely and producing large, poppy-like flowers lavishly from spring until late fall. They are most effective when grown in beds of considerable size, over which the seed may be thinly sown broadcast and lightly raked in. It is very hardy and the seed may be sown almost any time and in any manner. From seed sown in fall or early spring blooms will be had the following summer.

Digitalis

(Foxglove)

Hardy perennials, blooming the second year from seed, and especially adapted to this locality. They grow three to five feet tall and produce freely long spikes of Gloxina-like flowers in various colors. Splendid for permanent beds, masses and backgrounds. Thrives best in a cool, shady location.

- No. 165. Mixed Foxglove..... Pkt., 10c; postpaid
No. 1086. White Gloxina-Flowered Foxglove.
..... Pkt., 10c; postpaid
No. 1087. Pink Gloxina-Flowered Foxglove.
..... Pkt., 10c; postpaid
No. 1088. Grandiflora Foxglove, Bright Yellow.
..... Pkt., 10c; postpaid



Digitalis

Candytuft

(Iberis)

The annual Candytufts are hardy, and of the easiest culture, and are great favorites for beds and borders. The improved varieties are splendid for pots and for cutting. By sowing the seed outdoors in fall, again in spring, and at intervals during the summer, the blooms may be had continuously from early spring until winter. To produce the finest spikes the plants should be transplanted.

No. 922. Empress. A grand variety, producing large spikes of bloom resembling a white Hyacinth. The spikes often measure seven inches long by two and one-quarter inches in diameter. The plant is about twelve inches high..... Pkt., 10c; oz., 45c; postpaid

No. 39. White Rocket. Good spikes of pure white flowers..... Pkt., 10c; oz., 25c; postpaid

Cobaea Scandens

(Cup and Saucer Vine)

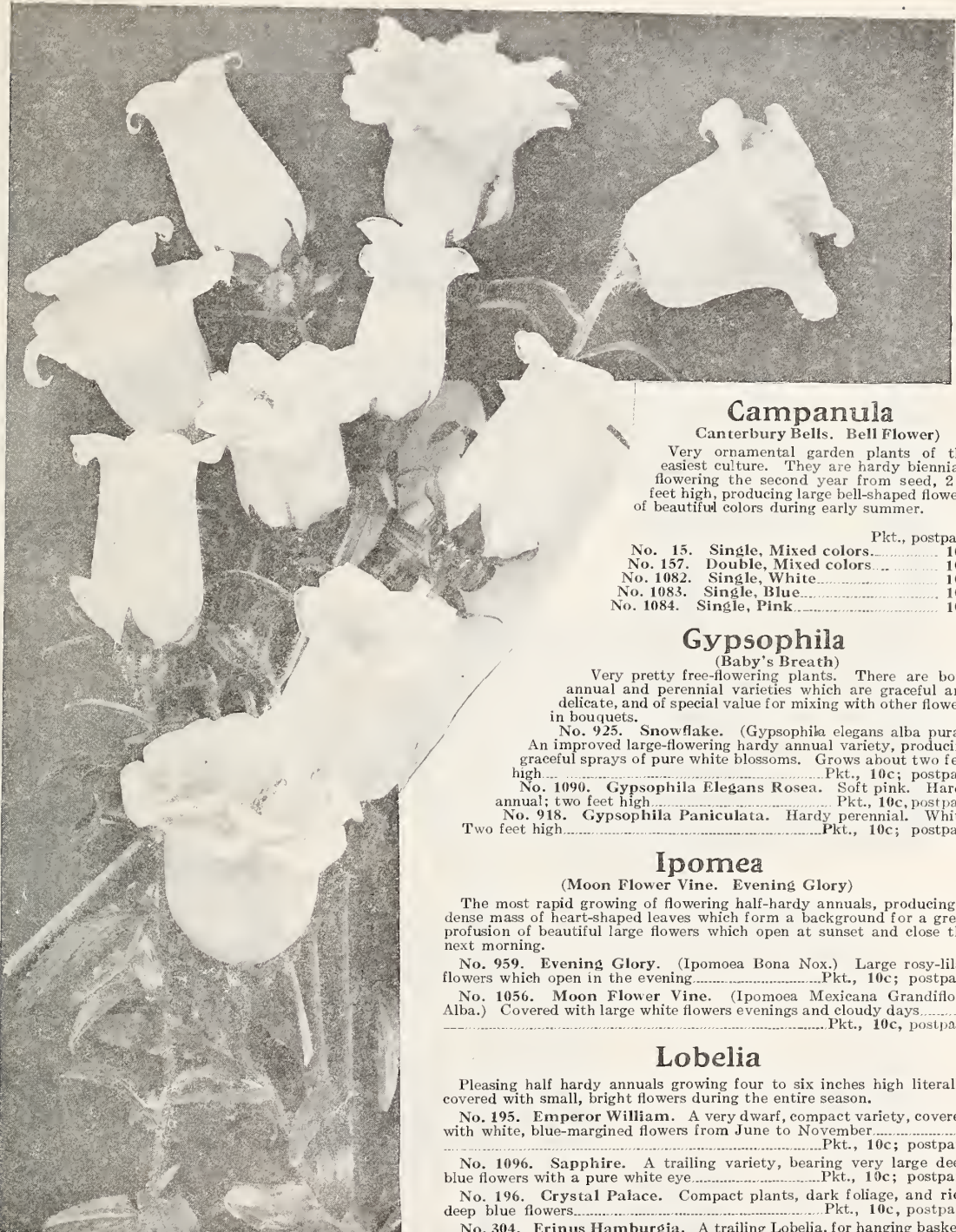
A half-hardy climbing perennial, generally treated as an annual, attaining a height of twenty to thirty feet the first season. It has large leaves and large trumpet shaped flowers which are green at first, turning to bright purplish-blue.

No. 120. Cobaea Scandens..... Pkt., 10c; postpaid

Daisy

(Chrysanthemum leucanthemum)

This splendid hardy perennial is a great favorite for bedding and cut flowers. The plants grow two and one-half



Campanula

Campanula

(Canterbury Bells. Bell Flower)

Very ornamental garden plants of the easiest culture. They are hardy biennials flowering the second year from seed, 2½ feet high, producing large bell-shaped flowers of beautiful colors during early summer.

	Pkt., postpaid
No. 15. Single, Mixed colors.....	10c
No. 157. Double, Mixed colors.....	10c
No. 1082. Single, White.....	10c
No. 1083. Single, Blue.....	10c
No. 1084. Single, Pink.....	10c

Gypsophila

(Baby's Breath)

Very pretty free-flowering plants. There are both annual and perennial varieties which are graceful and delicate, and of special value for mixing with other flowers in bouquets.

No. 925. *Snowflake*. (*Gypsophila elegans alba pura*.)

An improved large-flowering hardy annual variety, producing graceful sprays of pure white blossoms. Grows about two feet high..... Pkt., 10c; postpaid

No. 1090. *Gypsophila Elegans Rosea*. Soft pink. Hardy annual; two feet high..... Pkt., 10c, postpaid

No. 918. *Gypsophila Paniculata*. Hardy perennial. White. Two feet high..... Pkt., 10c; postpaid

Ipomea

(Moon Flower Vine. Evening Glory)

The most rapid growing of flowering half-hardy annuals, producing a dense mass of heart-shaped leaves which form a background for a great profusion of beautiful large flowers which open at sunset and close the next morning.

No. 959. *Evening Glory*. (*Ipomoea Bona Nox*.) Large rosy-lilac flowers which open in the evening..... Pkt., 10c; postpaid

No. 1056. *Moon Flower Vine*. (*Ipomoea Mexicana Grandiflora Alba*.) Covered with large white flowers evenings and cloudy days..... Pkt., 10c, postpaid

Lobelia

Pleasing half hardy annuals growing four to six inches high literally covered with small, bright flowers during the entire season.

No. 195. *Emperor William*. A very dwarf, compact variety, covered with white, blue-margined flowers from June to November..... Pkt., 10c; postpaid

No. 1096. *Sapphire*. A trailing variety, bearing very large deep blue flowers with a pure white eye..... Pkt., 10c; postpaid

No. 196. *Crystal Palace*. Compact plants, dark foliage, and rich deep blue flowers..... Pkt., 10c, postpaid

No. 304. *Erinus Hamburgia*. A trailing Lobelia, for hanging baskets or window boxes. Large dark blue flowers..... Pkt., 10c; postpaid



Annual Hollyhock

No. 409. Tall Double African Marigolds. About two feet high with flowers three or four inches in diameter in shades of yellow and orange. Pkt., 10c; postpaid

No. 410. Tall Double French Marigolds. The plants grow about one and one-half feet high. The colors and markings of the large double flower, are very interesting, some being elegantly striped and spotted. Pkt., 10c; postpaid

No. 146. Dwarf Double French Marigolds. One foot high, with large flowers in mixed colors. Pkt., 10c; postpaid

Myosotis (Forget-Me-Not)

Hardy perennials and annuals, growing six to twelve inches high, bearing pretty little star-like flowers in clusters on long stems. The plant thrives best in a cool, moist location, and blooms the first year from seed if sown early.

No. 310. Lilly's Victoria Dwarf Forget-Me-Not. A very beautiful hardy biennial variety; of dwarf, bushy habit, bearing large clusters of the brightest azure-blue flowers on long, graceful stems, rendering them splendid for cutting. Pkt., 10c; postpaid

No. 1054. Myosotis Palustris. The true Forget-Me-Not. A hardy perennial of strong, sturdy growth, with beautiful clear blue flowers. Pkt., 10c; postpaid

LILLY'S Every time you see this trademark you know it means—to you, an assurance of quality—to us, an acceptance of responsibility. Plant Lilly's Seeds and be sure.

Hollyhock

One of the most majestic of hardy plants, and unequalled for planting among shrubbery or for backgrounds for other plants. They grow six to ten feet high and bloom for a long period. The tip may be pinched off when they reach the desired height, thus inducing development of branches and forming a bush.

No. 961. Lilly's Annual Everblooming Hollyhock. This splendid variety is a hardy annual, and if planted early will begin blooming in July or August. The diversity of forms and colors among flowers affords many delightful surprises. Some of the flowers will be densely double, others semi-double, and others single, all being of the most beautiful colors and shades. Pkt., 10c, postpaid

No. 37. Double Hollyhocks, Mixed. The best double perennial hollyhocks in mixed colors. Pkt., 10c; postpaid

	Per Pkt.
No. 1091. Black, Red, Double, Perennial Hollyhock	10c
No. 1092. Pink, Double, Perennial Hollyhock	10c
No. 1094. White, Double, Perennial Hollyhock	10c
No. 1095. Yellow, Double, Perennial Hollyhock	10c

Larkspur (Delphinium)

The Larkspurs are among the most popular of garden flowers. Seed of the hardy annual varieties sown in the open ground early in spring will produce flowering plants early in July and give a continuous succession of flowers, until late in fall. They are handsome in beds, shrubbery borders, or for cut flowers.

No. 927. Dwarf Rocket, Mixed. A splendid hardy annual Larkspur, growing only one foot high and producing large, double, hyacinth-like blooms in a variety of charming colors. Pkt., 10c; postpaid

No. 208. Tall Rocket, Mixed. A tall hardy annual Larkspur, growing about two and one-half feet high. Mixed colors. Pkt., 10c; postpaid

No. 1057. Perennial Larkspur. A special mixture of seed saved from specially selected plants, and producing flowers of the richest and most delicate shades. Hardy perennial, growing three to five feet high. Mixed colors. Pkt., 10c; postpaid

Lupins

Ornamental, free flowering, hardy annuals, growing two to three feet high, bearing richly colored pea-shaped flowers on long, graceful spikes.

No. 46. Mixed colors. Pkt., 10c; postpaid

Marigold (Tagetes)

The African and French Marigolds are favorite free-flowering hardy annuals of easy culture. The African varieties grow two to three feet tall, bear large yellow or orange-colored flowers, and are adapted for large beds or mixed borders. The French varieties are dwarfed in growth, with beautiful striped flowers three or four inches in diameter, and are better suited for bedding and pot culture. They succeed best in light soil with full exposure to the sun. Either variety is splendid for cut flowers.



Forget-Me-Not



LILLY'S
Choice Petunia

Mignonette

No garden is complete without this old-favorite, sweet scented hardy annual. The plants grow a foot or more in height, bearing pyramidal-shaped flower spikes about six inches long, made up of thickly set florets which are exceedingly fragrant. Sowings made in April and again in July will keep up a succession of bloom during the entire season. Valuable for bedding or borders, also for pot culture.

No. 139. *Reseda Odorata*. The old-fashioned Sweet Mignonette..... Pkt., 10c; oz., 20c; postpaid

Nigella

(Love-in-a-Mist—Devil-in-a-Bush)

Lovely hardy annuals, growing in oval bush form about one foot in height. In the finely cut fern-like green foliage nestle numerous large double flowers of light blue and white.

No. 248. *Nigella Damascena*.....Pkt., 10c; postpaid

Morning Glory

Well known hardy clinging annuals, growing about fifteen feet high and bearing pretty flowers in a variety of colors and tints, fully expanded only in the morning. Of easy culture and quick growth.

No. 600. *Imperial Japanese Giant Morning Glory*. Of remarkable size. The vines present a beautiful wall of luxuriant foliage thickly covered with flowers three to four inches in diameter and in a great variety of shades and markings.

Pkt., 10c; postpaid

No. 41. *Convolvulus Major*. The old fashioned Morning Glory. Makes a growth of ten to twelve feet. Mixed colors.....

Pkt., 10c; postpaid

Poppy

Nothing is easier to grow and few flowers are more pleasing than poppies. They are hardy annuals and perennials and may be sown very early in spring in the beds where they are to remain, as they do not transplant well.

No. 314. *Shirley Poppy*. A charming hardy annual with large fluted and crinkled flowers in a variety of forms and colors.....Pkt., 10c; postpaid

No. 58. *Unbrosium Poppy*. Rich vermilion flowers with a black spot on each petal. Hardy annual.....

Pkt., 10c; postpaid

No. 341. *Iceland Poppy*. This is a hardy perennial, but will bloom the first year from seed. It bears a profusion of graceful, delicate, single flowers with petals like tissue paper. Mixed colors.....Pkt., 10c; postpaid

No. 1030. *Oriental Poppy*. Mixed hybrids. Hardy perennials, producing immense flowers in gorgeous colors.....Pkt., 10c; postpaid

No. 351. *Mixed Poppies*. A choice mixture of hardy annual varieties.....Pkt., 10c; postpaid

Petunia

Petunias are half-hardy annuals, and the single varieties are easy to grow, requiring only good soil and a sunny location. They commence flowering early and continue throughout the season.

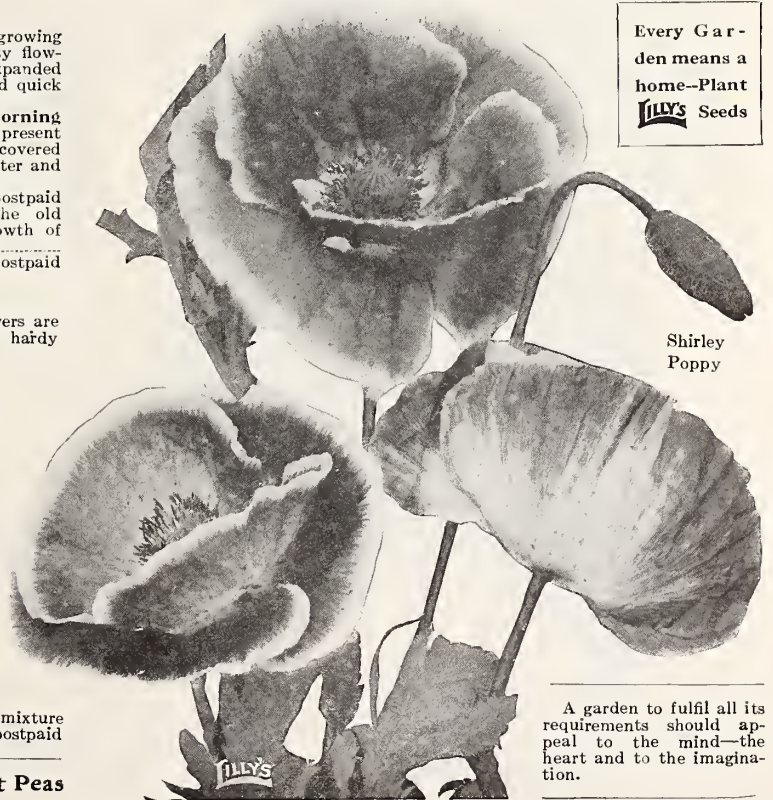
No. 61. *Choice Single*. A choice mixture of fine single varieties and colors..... Pkt., 10c; postpaid

Mirabilis

(Marvel of Peru. Four O'Clock)

A perennial in warm climates, but generally grown as a half-hardy annual in this locality. The plant is two feet high, erect and bushy, bearing throughout the summer hundreds of large white, yellow, crimson, and striped flowers. The flowers are shaped like the Morning Glory, and open late in the afternoon.

No. 51. *Mirabilis Jalapa* Pkt., 10c; postpaid



Every Garden means a home-Plant
LILLY'S Seeds

Shirley Poppy

A garden to fulfil all its requirements should appeal to the mind—the heart and to the imagination.

Don't fail to plant **LILLY'S** Sweet Peas

LILLY'S
FERTILIZERS
Produce
Results



LILLY'S Nasturtiums

Finest Giant Flowering Varieties

Nasturtiums are among the most satisfactory and easily grown annuals, and there is nothing more pleasing than the harmonious blending of the various shades of green, yellow, brown and red in a bed or border of the dwarfs or a trellis or wall covered with the climbers.

LILLY'S Dwarf Mixed

The choicest standard dwarf varieties and colors mixed. Splendid for beds and borders.

No. 87. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

LILLY'S Tall Mixed

A splendid mixture of the best tall varieties, including all harmonizing colors.

No. 262. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Tall, or Climbing

The tall, climbing, or trailing nasturtiums, grow six to ten feet high, bloom profusely during the entire summer and fall, and are splendid for covering trellises, fences, rockeries, etc.

No. 1059. **Chameleon.** Quite unique, each plant bearing flowers of a great variety of colors and markings.

Pkt., 10c; oz., 25c; postpaid
No. 1061. **Vesuvius.** Salmon-rose; dark foliage; an excellent variety. Pkt., 10c; oz., 25c; postpaid

No. 1062. **Tall Ivy Leaved Nasturtium, Mixed.** The leaves resemble English Ivy. The flowers are of a distinct form and in a great variety of colors. Pkt., 10c; oz., 30c; postpaid

No. 1060. **King Theodore.** Very deep crimson, nearly black; dark foliage. Pkt., 10c; oz., 25c

No. 906. **Pearl.** Cream white, or primrose. Pkt., 10c; oz., 25c

Lobb's Tall

Lobb's Nasturtiums are remarkable for the intensely brilliant colors of the flowers, which are slightly smaller than those of other climbing varieties.

No. 1064. **Black Prince.** Velvety black flowers; dark foliage. Pkt., 10c; oz., 25c; postpaid

No. 1098. **Queen Alexandra.** Variegated leaves; flowers blood red, marbled and mottled. Pkt., 10c; oz., 25c; postpaid

No. 1099. **Cardinal.** Scarlet flowers; dark foliage. Pkt., 10c; oz., 25c; postpaid

No. 1100. **Emma Alida.** Dark ivy-leaved foliage, with golden-yellow, orange and deep scarlet lacinated flowers. Pkt., 10c; oz., 30c; postpaid

No. 1110. **Flamingo.** A beautiful new variety with magnificent lacinated orange flowers. Pkt., 10c; oz., 30c; postpaid

Dwarf, or Bedding

These dwarf or Tom Thumb varieties form sturdy little bushes completely covered with large, brilliant flowers during the entire season, making a beautiful display in beds or borders.

No. 1068. **King Theodore.** Velvety red flowers; dark foliage. Pkt., 10c; oz., 25c; postpaid

No. 1070. **Prince Henry.** Light yellow marbled with scarlet. Pkt., 10c; oz., 25c; postpaid

No. 929. **Queen of Tom Thumb.** Rich, bright crimson flowers forming a pretty contrast to the silver variegated foliage. Splendid for bedding or pots. Pkt., 10c; oz., 30c; postpaid

No. 907. **Dwarf Vesuvius.** Deep salmon-rose; a beautiful shade. Pkt., 10c; oz., 25c; postpaid

No. 1112. **Lady Bird.** Orange, striped with bright scarlet. Pkt., 10c; oz., 25c; postpaid

No. 264. **Empress of India.** Fiery crimson flowers; compact plant with very dark foliage. Pkt., 10c; oz., 25c; postpaid

No. 911. **Dwarf Chameleon.** All colors borne on each plant. Pkt., 10c; oz., 25c; postpaid

No. 1071. **Dwarf Ivy Leaved Nasturtium, Mixed.** Deep green leaves of distinctive ivy form; flowers beautifully fringed. Pkt., 10c; oz., 30c; postpaid

No. 1067. **Golden King.** Rich golden-yellow. Pkt., 10c; oz., 25c; postpaid

No. 1069. **Crystal Palace Gem.** Sulphur-yellow spotted with maroon. Pkt., 10c; oz., 25c; postpaid

LILLY'S Superb Pansies

Choicest Varieties

Magnificent and Continuous Blooms

No home in the Pacific Northwest is complete without a bed of Pansies, for our cool, moist climate is ideal for these beautiful flowers, and in no other locality do they produce such splendid blooms and so continuously from early spring until winter.

The Pansy is a hardy perennial, thriving best in a cool, moist location. The largest blooms are produced during the cool months in spring and fall; during the warm summer months the blooms will be small. Abundant irrigation will produce larger flowers during the summer, but care must be taken that the water is warm, for the plants cannot stand the shock of cold water.

For early spring bloom the seed may be sown outdoors about the first of September. Spring sown seed will produce blooms the following fall. The plants will produce better blooms if transplanted two or three times.

No. 89. **Fine Mixed English Pansies.** Finest varieties and colors of English Pansies, mixed. The plants are of compact habit. Pkt., 10c; postpaid

No. 90. **Giant Flowered French Pansies, Mixed.** A fine mixture of large flowering French varieties. Pkt., 10c; postpaid

No. 92. **Giant Trimardeau, Mixed.** A splendid type of immense size, distinct shape and beautifully marked. The plants are deep rooted, enabling them to withstand drought; hardy and robust. Pkt., 10c; postpaid

No. 94. **Beaconsfield.** A very large Pansy, with upper petals light lavender and lower petals purple. Pkt., 10c; postpaid

No. 203. **Emperor William.** Dark navy blue; of large size and very showy. Pkt., 10c; postpaid

No. 95. **Snowflake.** Large satiny-white flowers with light centers. Pkt., 10c; postpaid

No. 178. **Faust, or King of the Blacks.** Very large arge and very dark, almost black. Pkt., 10c; postpaid

No. 429. **Goldelse, or Yellow Gem.** Pure golden-yellow; large. Pkt., 10c; postpaid

LILLY'S Colossal Mixed

This is a splendid mixture of the choicest large-flowering varieties and the most beautiful colors and markings.

No. 930. **Lilly's Colossal Mixture** Pkt., 10c; postpaid

Portulaca

(Sun Plant)

A brilliant hardy annual, growing about six inches high, and thriving in warm, dry, sunny situations. Excellent for low beds borders, and for sowing on exposed banks where other flowers would not thrive. The colors range through all shades of red, yellow, pink, striped, white, etc.

No. 69. **Single Portulaca, Mixed colors.** Pkt., 10c; oz., 60c; postpaid

No. 70. **Double Portulaca, Mixed** Pkt., 10c; postpaid

Primrose

(Primula)

Primroses are among the most charming of perennials for winter and spring decoration in the house and conservatory, being splendid winter blooming pot plants.

No. 75. **Primula Veris.** The early spring flowering border primrose or cowslip, a beautiful hardy perennial, growing six inches high, and bearing clusters of fragrant flowers in various colors. Pkt., 10c; postpaid

LILLY'S
SEEDS
Are Tested
—They
Grow



Pinks

(May Pinks, Dianthus)

The old-fashioned single flowered garden or border pink. They are hardy annuals, and will flower the first season from seed sown outdoors early in spring. Height, one foot.

No. 288. **May Pinks** Pkt., 10c; postpaid

Pyrethrum

(Golden Feather)

One of the best plants for edging, grown for its beautiful yellow foliage. It is a hardy perennial, but is generally grown as an annual. Six inches high.

No. 76. **Pyrethrum Parthenifolium Aureum** Pkt., 10c; postpaid

**The
Test of
Time**

Every packet of LILLY'S Seeds has behind it over thirty years experience of successful seed growing. The initial cost of Seeds is the smallest part of your garden expense. LILLY'S are Tested Seeds.

Phlox

For beds and massing, nothing can surpass the beautiful hardy annual Phloxes. They produce immense trusses of brilliant flowers of a great variety of colors and shades throughout the summer. They are easy to grow, and thrive in most any kind of soil if given a sunny position. The seed may be sown outdoors early in spring, and in a few weeks the plants will be covered with blooms.

No. 919. **Lilly's Large Flowering Phlox.** (Phlox Drummondii Grandiflora.) This is the finest type, having the largest heads of bloom and the largest individual flowers. This mixture contains all the most beautiful colors and shades. Fifteen inches high.....

Pkt., 10c; postpaid

No. 67. **Phlox Drummondii, Mixed.** Flowers not so large as those of the grandiflora type, but just as bright and free blooming. Fifteen inches high. Pkt., 10c; postpaid

Ricinus

(Castor Oil Bean)

Ornamental half-hardy annual foliage plants of luxuriant and rapid growth, attaining a height of six to twelve feet, with brilliantly colored fruit, producing a tropical effect. Fine for massing or for center for beds.

No. 140. **Castor Oil Bean**.....Pkt., 10c, postpaid

Salvia

(Flowering Sage)

Half-hardy perennials, blooming the first year from seed if sown early. The plant grows three feet high and bears profusely during the summer and fall very fragrant flowers in drooping spikes of the most intense glistening scarlet. Splendid in working out color schemes if properly used.

No. 920. **Salvia Splendens**.....Pkt. 10c, postpaid

Salpiglossis

(Painted Tongue)

A great favorite among the half-hardy annuals because of its easy culture and beautiful petunia-shaped flowers, which are produced from early summer until late fall. Three feet high.

No. 406. **Mixed colors**.....Pkt., 10c; postpaid

Stocks

Stocks are among the most popular half-hardy plants for bedding, edgings, pot culture and cut flowers. For brilliancy, diversity of colors, fragrance and profusion and duration of bloom they are unsurpassed. The Ten Weeks Stocks are annuals, and from seed started indoors in March or April blooms will be had in July.

No. 84. **Large Flowering Dwarf Ten Weeks Stocks, Mixed Colors.** Half-hardy annual one foot high.....

Pkt., 10c; postpaid

No. 1107. **Large Flowering Dwarf Ten Weeks Stocks, White**..... Pkt., 10c; postpaid

No. 1108. **Large Flowering Dwarf Ten Weeks Stocks, Flesh-pink**..... Pkt., 10c; postpaid

No. 1109. **Large Flowering Dwarf Ten Weeks Stocks, Crimson**..... Pkt., 10c; postpaid

No. 1110. **Large Flowering Dwarf Ten Weeks Stocks, Light Blue**..... Pkt., 10c; postpaid

No. 1111. **LILLY'S SPECIAL MIXTURE OF ANNUAL STOCKS.** Choicest varieties and colors of annual Stocks.....Pkt., 10c; postpaid

Sunflower

(Helianthus)

These hardy annuals are splendid for backgrounds, or even for bedding, and must not be confused with the common Sunflower. This is a very double variety, growing about four feet high.

No. 128. **Dwarf Double Sunflower**.....Pkt., 10c, postpaid

SERVICE is the MEASURE OF SUCCESS. ONLY as an INSTITUTION SERVES the COMMUNITY in which it is placed can this INSTITUTION PROSPER. **LILLY'S** give SERVICE.



Large Flowering Phlox



Salpiglossis

Sweet William

(*Dianthus barbatus*)

A general favorite which should be in every garden. As a border plant it has few equals, being very showy. An old-fashioned plant producing clusters of gorgeously colored flowers of great fragrance. It is a hardy perennial, but blooms the first year from seed. The flowers are very fragrant. It grows about eighteen inches high, and is excellent for beds and borders. Our mixture contains quite an assortment of colors.

- No. 26. Purple, Mixed Pkt., 10c; postpaid
 No. 27. Double, Mixed Pkt., 10c; postpaid

Violets

These little favorites are deliciously fragrant and are fine for borders and for cutting. They are perennials, quite hardy, but the plants are quite difficult to grow from seed.

- No. 319. Large Single Violet Pkt., 10c; postpaid
 No. 1106. Viola Cornuta; Tufted Pansy Violets; Mixed colors Pkt., 10c; postpaid

Verbena

One of the dear old flowers that will always be popular both in the garden and house. Verbenas are low-growing, creeping, half-hardy perennials, blooming the first year from seed, and generally treated as annuals. They are splendid for beds, borders, rockeries, hanging baskets and window boxes. Fewer plants are better liked and give more satisfaction.

- No. 88. Giant Hybrid Verbenas, Mixed. A splendid mixture of large flowering varieties; all colors Pkt., 10c; postpaid

Wallflower

A harbinger of Spring. Flowers very fragrant. An old European favorite deserving a more appreciation than is shown it in America. It is especially adapted to the Pacific Coast where it is entirely hardy, although it must be protected during the winter in colder climates. It is a perennial, grows about eighteen inches high, is bushy, and very early in spring bears spikes of deliciously fragrant flowers in bright colors.

- No. 98. Double Wallflower Pkt., 10c; postpaid
 No. 99. Single Wallflower Pkt., 10c; postpaid

Zinnia

No amount of praise is too great for this popular favorite. Flowers throughout the entire summer and early fall. This half-hardy annual has been greatly improved and produces a profusion of large double flowers, excellent for bedding and for bouquets. The plants form handsome compact bushes two feet high covered with large flowers of a great variety of colors and shades. They commence blooming early in summer and continue until killed by frost. The Zinnia is a very free grower and of robust habit. Does well under almost any conditions.

- No. 933. Giant Mixed Zinnia. A choice mixture, including the best and largest types, producing plants of handsome, compact form, and immense perfectly formed, double flowers in brilliant mixed colors Pkt., 10c; postpaid

- No. 100. Mixed Zinnia. A splendid mixture of good varieties and colors Pkt., 10c; postpaid

Wild Flower Garden

There are few things more pleasing than a wild-flower garden hidden away in some secluded spot or among shrubbery. This mixture is ideal for the purpose, being composed of such hardy animals as will require little care beyond scattering the seed, and will produce a great profusion and variety of pretty flowers.

- No. 438. Wild Flower Garden Pkt., 10c; oz., 25c; lb., \$2.00; postpaid

JILLY'S Seed Quality—Every time you see this sign you know it represents the very best quality obtainable in Seeds which are pre-eminent in their respective classes.—*Best for the West.*

The success of your Garden or Farm Crop is entirely dependent upon the quality of the Seeds you sow. FOR UPWARD OF THIRTY YEARS the name **JILLY'S** has been inseparably associated with HIGH GRADE QUALITY and DISTINCTION in Seeds.

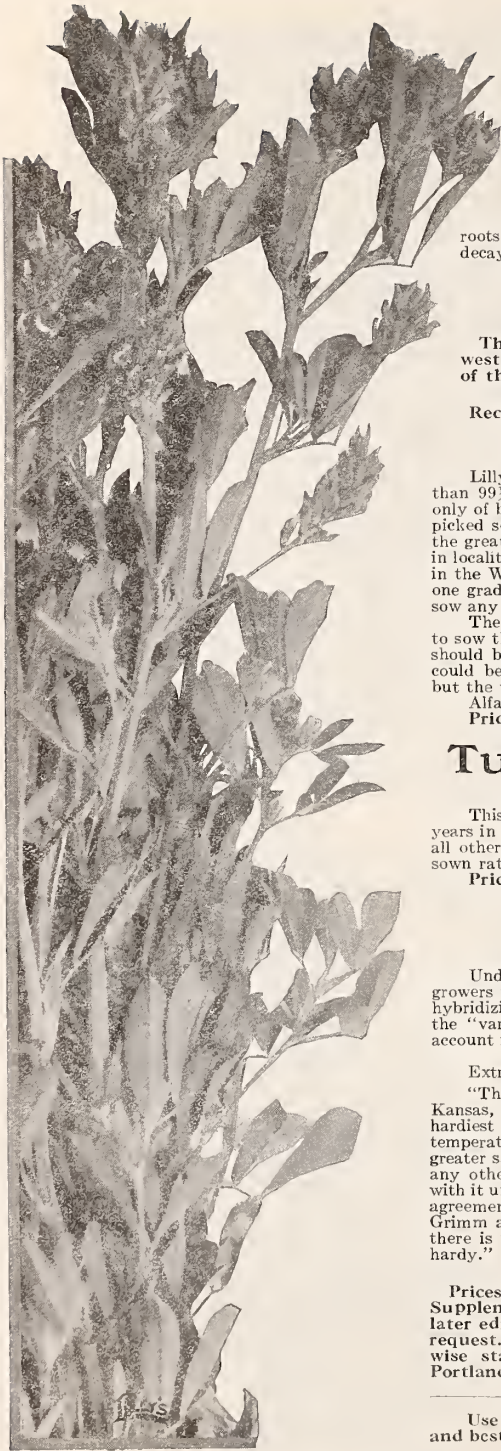
THE **JILLY'S** NAME TODAY is a synonym for Seed Service and Satisfaction—a guarantee of integrity and authenticity of treatment.



Verbena



Zinnia



Alfalfa (Medicago sativa)

The Greatest Forage Plant

The Arabic word "Alfalfa" means "best fodder," which Alfalfa certainly is. The plants grow about 3 feet high and furnish an abundance of leafy, tender stalks, so highly relished by all farm animals. The most wonderful thing about Alfalfa is its roots. These penetrate the soil deeply, feeding fertility beyond the reach of other plants. Roots have been known to descend to a depth of 5 feet in six months, and plants four weeks old had roots 17 inches long. As the plant grows older and roots grow deeper the upper decay, adding humus to the soil. This is a valuable characteristic of this plant.

Lilly's Best

These two words carry a significance which is now recognized in the west as the highest quality obtainable in seeds. Whenever you buy seeds of the "L.B.," brand you know you are getting the best.

Recleaned and Tested, free from Dodder and other noxious weed seeds

99½ Per Cent Pure

Lilly's Best Alfalfa Seed is the acme of perfection in seeds. It never tests less than 99½% pure, is free from dodder and other noxious weed seeds, and consists only of big, plump seeds; all small and shrunken seeds having been removed. Hand-picked seeds could hardly be better. To maintain this high standard requires that the greatest care be exercised in growing and harvesting the seed. It is never grown in localities infested with dodder. We have the most perfect seed cleaning machinery in the West, and the seed is cleaned until it is practically perfect. We handle only one grade of Alfalfa Seed, for the up-to-date farmer knows that he cannot afford to sow any but the best, and there is no longer a demand for a cheaper grade.

The Pure Seed Law requires 96% purity, but that is too liberal, for it is unsafe to sow the 4% of weed seed which the law allows. When purchasing seed, the price should be only a secondary consideration. At the most, only a few cents per acre could be saved, and seed containing weed seeds is expensive at any price. None but the very best tested seed should be sown.

Alfalfa seed is generally sown at the rate of ten to twenty pounds per acre.

Price subject to change, see supplement following page 48.

Turkestan, or Dry Land Alfalfa

(Medicago Turkestanica)

This variety comes from central Asia and has been grown successfully for many years in the West; is very hardy, and adapted to very dry and unirrigated land. In all other respects it is almost identical with Medicago Sativa. The seed should be sown rather thickly, fifteen to twenty pounds per acre.

Price subject to change; see supplement following page 48.

Grimm

(Medicago media)

Undoubtedly this variety has in recent years attracted the attention of Alfalfa growers more than any other variety. The origin of this type is the result of cross hybridizing of the blue flowered species with the yellow flowered. Grimm belongs to the "variegated" class and has a more branching root system which may possibly account for it being harder than the "blue flowered" (Medicago sativa) varieties.

Extract from United States Government Bulletin No. 209:

"The Grimm alfalfa is much harder than the ordinary kinds obtained from Kansas, Utah and elsewhere, and there is even strong reason to believe that it is the hardest known form of the cultivated plant. It not only endures extremely low temperatures with or without snow and other adverse conditions, but it can be cut with greater safety late in the fall and will bear more abuse in the way of pasturage than any other plant that has been compared with it until this time. There is some disagreement among investigators as to how Grimm alfalfa obtained its hardness, but there is no difference of opinion that it is hardy."

Prices are subject to change. See Supplement following page 48, or later editions which will be mailed on request. All prices, except when otherwise stated, are f. o. b. Seattle or Portland.

Tested Seeds

We have a complete seed testing laboratory, with the same apparatus as is used by the United States Government, and every lot of seed is accurately tested before being offered for sale.

Use "Farmogerm" for Alfalfa. It ensures success. To raise the biggest and best crops it is essential. See page 66 for particulars and prices.

1920 **LILLY'S** Retail Catalog Supplement 1920

ESTABLISHED 1865

No. 1

December 31, 1919

Clovers, Grasses, Seed Grains, Etc.

At the time of going to press with our catalog it was impossible to quote prices against the respective items owing to market fluctuations. The prices here listed are correct up to date of mailing but are quoted—

Subject to change without notice.

Should prices advance between now and issue of next price list and orders are received at prices quoted below, unless otherwise instructed, seed will be sent equivalent to remittance received or balance refunded should prices decline, calculating at current prices on date order reaches us.

Prices are per 100 lbs. In less than sack lots the price will be ½¢ per pound additional for lots of 50 lbs. or more, 1¢ per pound additional for lots of less than 50 lbs. For single pounds add 5¢ per lb.

Page	VARIETIES	Current Prices Dec. 31, '19	Page	VARIETIES	Current Prices Dec. 31, '19	
27	POTATOES Earliest of All..... Irish Cobbler..... Bovel..... Early Rose..... Up to Date.....	Prices on Applica- tion	51	GRASS SEEDS English Ryegrass..... Italian Ryegrass..... Orchard Grass..... Crested Dog's Tail..... Tall Oat Grass..... Velvet Grass, or Mesquite.....	17.00 17.00 33.00 38.00 43.00 20.00	
27	ARTICHOKES Jerusalem.....		52	Meadow Fescue..... Sheep's Fescue..... Hard Fescue..... Red, or Creeping Fescue..... Sudan Grass..... Fine Leaved Fescue.....	27.00 55.00 55.00 55.00 21.00 55.00	
48	ALFALFA Lilly's Best, 99½% pure..... Turkestan..... Grimm.....		45.00 45.00 70.00		Pasture and Hay Mixtures No. 1 Pasture Mixture..... No. 2 Pasture Mixture..... Hay Mixture.....	20.00 20.00 20.00
49	CLOVER Red, Lilly's Best, 99% pure..... Red, Mammoth..... Alsike, Lilly's Best 99% pure..... White, Lilly's Best, 98% pure..... Crimson..... Sweet—White Blossom..... Sweet—Yellow Blossom.....		60.00 60.00 60.00 73.00 70.00 36.00 21.00	(Cover)	LAWN GRASS MIXTURES Nonpareil Lawn Grass Seed 1-pound Cartons, per lb..... 5-pound Bags, per lb..... 25-pound Bags, per lb..... Kentucky Blue Grass 1-pound Cartons, per lb.....	.40 .35 .35 .40
50	GRASS SEEDS Timothy—Lilly's Best, 99½% pure..... Kentucky Blue Grass..... Red Top..... Canadian Blue Grass..... Brome Grass..... Creeping Bent, or Fiorin.....		18.00 38.00 27.00 17.00 35.00 35.00		Imported Lawn Grass Seed 1-pound Cartons, per lb..... 4-pound Cartons.....	.50 2.00

Prices are per 100 lbs. In less than sack lots the price will be 1/2c per pound additional for lots of 50 lbs. or more, 1c per pound additional for lots less than 50 lbs. For single pounds add 5c per lb.

Page	VARIETIES	Current Prices Dec. 31, '19	Page	VARIETIES	Current Prices Dec. 31, '19
53	FIELD GRAINS		58	FIELD GRAINS	
	Wheat			Rye	
	Sun Wheat.....	5.25		Petkuser.....	5.00
	Marquis.....	5.25		Russian Winter.....	5.00
54	Pedigreed Bluestem.....	5.50	59	Emmer or Speltz.....	4.75
	Oats			Vetch	
	Victory.....	4.75		Common or Spring Vetch.....	12.00
	Abundance.....	5.00		Winter or Hairy Vetch.....	32.00
	Black Alaska.....	4.75		Purple Vetch.....	20.00
	Banner.....	4.25	60	FIELD PEAS	
	Gray Winter.....	4.75		Yellow Canadian.....	5.50
55	Regenerated Swedish Select.....	4.75		Green or Bluebell.....	7.00
	Black Side Oat.....	5.00		Banglia.....	7.00
				Whip-Poor-Will Cow Peas.....	12.00
56	Field Corn		61	MILLET	
	Washington Silver King.....	12.00		Golden.....	8.50
	Washington Golden Nugget.....	12.00		Japanese.....	9.50
	Leaming Improved.....	10.00		Siberian.....	9.50
	Iowa Gold Mine.....	10.00		Hungarian.....	9.50
	Pride of the North.....	10.50		Other Field and Forage Seeds	
	Champion White Pearl.....	10.00		Feterita.....	12.00
	Early Canada.....	10.50		Kaffir Corn.....	8.50
	King Philip.....	10.50		Broom Corn.....	7.00
	Sanford White Flint.....	10.50		Sunflower.....	13.00
	Minnesota No. 13.....	10.50		Flax Seed.....	13.00
	Sweet Fodder Corn.....	15.00		Early Amber Sorghum.....	9.50
	Red Cob Ensilage Corn.....	10.00		Japanese Buckwheat.....	14.00
57	Barley			Soja or Soy Beans.....	14.00
	White Hulless—Beardless.....	5.50	62	Thousand Headed Kale.....	55.00
	Vermont Beardless.....	5.50		Marrow Cabbage.....	85.00
	Beardless, General Stock.....	5.50		Dwarf Essex Rape.....	12.00
	Wisconsin Pedigree.....	5.25			
	Bearded.....	4.75			

Poultry Foods

MIXED GRAIN FOODS

Holly Chick Food, 100s.....	4.90
Holly Chick Food, 25s.....	5.40
Holly Chick Food, 10—10s.....	6.00
Growing Food, 100s.....	4.80
Growing Food, 25s.....	5.00
Growing Food, 10—10s.....	5.80
Scratch Food, 100s.....	4.50
Scratch Food, 25s.....	4.80
Scratch Food, 10—10s.....	5.00
Pigeon Food, 100s.....	5.00
Pigeon Food, 25s.....	5.40

HIGH PROTEIN MASH FOODS

H. P. Chick Mash, 100s.....	4.00
H. P. Chick Mash, 25s.....	4.50
H. P. Chick Mash, 10—10s.....	5.00
Growing Mash, 25s.....	4.50
Growing Mash, 10—10s.....	5.00

HIGH PROTEIN MASH FOODS

Egg Mash, 100s.....	4.00
Egg Mash, 25s.....	4.50
Egg Mash, 10—10s.....	5.00
Moulting Mash, 100s.....	5.00
Mak-em-fat Hog Feed.....	3.25
H. P. Dairy Feed.....	3.25

BONE, SHELL AND GRIT

No. 1 Granulated Bone, 100s.....	4.00
No. 1 Granulated Bone, 10—10s.....	5.00
Eastern Oyster Shell, per sack.....	1.90
Eastern Oyster Shell, 10—10s.....	3.50
Abalone Shell, per sack.....	1.90
Blue Point Oyster Shell, per sack.....	1.25
Star Shell, per sack.....	1.10
Crystal Grit Fine or Medium, 100s.....	1.00
Crystal Grit Fine or Medium, 10—10s.....	2.30

While we (The Chas. H. Lilly Co.) exercise care to have all seeds pure and true to name, we do not give any warranty, expressed or implied, as to description, quality, productiveness, or any other matter of seeds we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, we are to be at once advised, and money paid for same, will be promptly refunded.

Clover

LILLY'S Red (Trifolium pratense) —99 Per Cent Pure

Red Clover is an important crop in all parts of the country, and is especially valuable west of the Cascade Mountains, where Alfalfa cannot be grown very successfully. In addition to being a very valuable hay, silage, and forage crop, it is of great value for fertilizing and improving the soil, either when plowed under or removed from the field. It is a legume, and draws nitrogen from the air and distributes it in the soil. Red Clover seed is generally sown at the rate of eight to fifteen pounds per acre.

Lilly's Best Red Clover Seed is guaranteed to test not less than 99% pure, and we make it as much better as possible, usually as high as 99½% pure. This state of purity is seldom equalled, and would be impossible without our splendid seed cleaning machinery. We handle only the best seed that can be grown, and in addition to cleaning out the foreign seeds, all small and shrunken seeds are removed. The Pure Seed Law requires only 92% purity, and that is considered very good seed, but it allows more than a pound of weed seeds to each acre, and such seed should never be sown when better seed can be procured.

For prices see supplement following page 48.

Mammoth Red

(Trifolium medium)

Mammoth Red Clover is very similar to common Red Clover except that it grows very rank and the stalks are very coarse, making it of little use for hay or forage, and it is used almost exclusively to plow under for green manure.

For prices, see supplement following page 48.

LILLY'S Alsike—99 Per Cent Pure

(Trifolium hybridum)

Suitable for Cold, Wet Land

Alsike Clover thrives on almost any kind of soil, but is especially useful on land that is too wet and cold for Red Clover. It makes a good quality of hay, and may be sown with timothy, as it matures at the same time. It is also good in pasture mixtures for wet land.

We have a second grade, better than is required by the Pure Seed Law, but the difference in price does not warrant the use of any but Lilly's Best. Eight to ten pounds of seed is sufficient for an acre.

For prices see supplement following page 48.

LILLY'S White—98 Per Cent Pure

(Trifolium repens)

Only the Very Best is Fit for Lawns

For lawns, especially, none but the very best White Clover seed obtainable should be sown, as ordinary seed is very liable to contain sorrel, Lilly's Best White Clover is grown on land free from noxious weeds, is thoroughly re-cleaned, and is as near perfect as it can be produced. It is guaranteed to test not less than 97% pure, and is usually better. This is a very high degree of purity, as White Clover seed is difficult to clean. Any seed that tests less than 97% pure is branded Choice. Our Choice grade is always better than is required by the Pure Seed Law, but we do not recommend it for lawns. For lawns sow twenty-five pounds or more per acre; for pasture, eight to ten pounds mixed with grass seeds.

For prices see supplement following page 48.

Crimson Clover (Trifolium incarnatum)

Crimson Clover is an annual useful principally as a cover crop or to plow under for green manure. It is grown quite extensively in the south, but it is not specially recommended for the Northwest, as we have other crops which are better adapted to this locality. Twelve to twenty pounds of seed is sown to the acre. For prices see supplement following page 48.

Sweet Clover

White Blossom (Melilotus alba)

Bokhara, or White Sweet Clover, was formerly grown almost exclusively for hcc pasture, for which it is unequalled, but recently it has become quite popular for hay and pasture. It has a bitter taste, and stock must develop a taste for it, but they soon learn to like it. It is a biennial, and unless it re-seeds itself, must be seeded every second year. It makes a wonderful growth the second season, and the plants resemble Alfalfa in appearance. It is a legume, and has great fertilizing value. Seed is sown at the rate of twenty to thirty pounds per acre. The soil should be very firm.

For prices see supplement following page 48.

Yellow Blossom (Melilotus indica)

Yellow Blossom Sweet Clover is an annual. The plants are low-growing, erect, and early flowering. It makes a slower growth than the white variety, and it is not so valuable. It is sometimes grown on land prior to sowing Alfalfa, where there has been difficulty in starting Alfalfa, as the bacteria on its roots is capable of inoculating Alfalfa.

For prices see supplement following page 48.



Prices quoted in this Catalog unless otherwise specified are F. O. B. Seattle or Portland.

Timothy

(*Phleum pratense*)

Conceded to be one of the most valuable grasses of great nutritive value and very productive. The seeds being very small and produced in great abundance, its cost is the most economical of any grass.

LILLY'S Best is the Purest Seed Obtainable 99½ Per Cent Pure

Timothy Seed is one of our specialties, and it will be very nearly impossible to produce better seed than Lilly's Best. The seed is grown in Idaho on land that is free from weeds, and, with our splendid seed cleaning equipment, all small and light seed, as well as all foreign matter is removed. None testing less than 99½% pure is branded Lilly's Best. The Pure Seed Law requires only 96% purity.

Timothy is the standard grass for hay in all parts of the country, and although there may be other grasses equally as good or better for home use, it is demanded by the markets, and brings the highest price. The seed is sown at the rate of ten to twenty pounds per acre. We have a second grade, Choice Timothy, but especially recommend Lilly's Best.

Price Subject to change. See supplement following page 48.

LILLY'S Kentucky Blue Grass

(*Poa pratensis*)

"Ever smelt Kentucky grass,
Or heard about its blueness?
Seems as if the whole blamed world
Was bursting out with newness."

—Alfred Munson.

Kentucky Blue Grass is a true perennial, lasting indefinitely. Its densely creeping root-stocks, spreading habit, even growth, fine texture and rich green color renders it one of the finest grasses for lawns and pastures. It starts very early in spring, and on the Pacific Coast remains green practically all the year.

Our seed is imported direct from one of the most reliable growers in Kentucky. It is free from Canadian Blue Grass and other foreign seeds, is carefully recleaned, and is the best seed obtainable. For lawns sow one pound to each four hundred square feet. For pasture it is mixed with other grasses.

Price: subject to change: see supplement following page 48.

LILLY'S Red Top

(*Agrostis vulgaris*)

Red Top, or Herd's Grass, is valuable in wet places where other grasses will not thrive. When mixed with other grasses and clover it makes excellent pasture and a fair grade of hay. We have two grades of Red Top, but recommend the Fancy Red Top, as it is solid seed and only ten to fifteen pounds is required to sow an acre. The Choice Red Top is good seed, but it contains the hulls, and nearly twice as much seed is required.

Fancy Red Top; Choice Red Top: Price subject to change: See supplement following page 48.

Canadian Blue Grass

(*Poa compressa*)

Canadian Blue Grass, although not so popular as Kentucky Blue Grass for lawns, is more hardy, easier to get started, makes a very tough turf and is of fine texture. It is also a splendid grass in pasture mixtures. Sow one pound to four hundred square feet of lawn, or twenty to thirty pounds per acre for pasture if used alone.

Price subject to change: See supplement following page 48.

Brome Grass

(*Bromus inermis*)

Brome Grass is valuable in the semi-arid regions where less hardy grasses cannot be grown. It has creeping root-stalks which form a thick turf, and will stand a great deal of drought. It is not especially high in food value, and there are other grasses more valuable for the country west of the Cascade Mountains. It is most valuable as a pasture grass, but grows tall enough for hay. When used alone, sow thirty to forty pounds per acre.

Price: subject to change; see supplement following page 48.

Creeping Bent, or Fiorin

(*Agrostis stolonifera*)

A splendid grass in lawn or pasture mixtures. Its creeping, rooting stems form a tough, compact turf that is improved by tramping.

Price; subject to change; see supplement following page 48.



Timothy

LILLY'S English Ryegrass

(*Lolium perenne*)

One of the Most Valuable Hay and Pasture Grasses for the Northwest.

English, or Perennial, Rye Grass is especially adapted to the country west of the Cascade Mountains, where it is quite popular, but should be even more generally grown, for it is one of the most valuable grasses. It has a high feeding value, is relished by all stock, and is good in both hay and pasture mixtures. It does well on almost any soil, although it prefers rich loam or clay. It makes a quick, strong growth, and when sown thickly is excellent in mixtures for lawns or golf links. When used alone for pasture or hay, theseed is sown at the rate of thirty to sixty pounds per acre, or in the same proportion when mixed with otherseeds.

Price subject to change: See supplement following page 48.

Italian Ryegrass

(*Lolium italicum*)

Italian Rye Grass is supposed to be a biennial, but on the Pacific Coast it lasts almost indefinitely, and is one of our most valuable pasture grasses, as it produces green feed late in the season after other grasses are past their prime. It makes a rapid growth, and will furnish more green pasture in midsummer than any other grass. Sow at the rate of thirty to sixty pounds per acre when used alone.

Price subject to change: See supplement following page 48.

Orchard Grass

(*Dactylis glomerta*)

Orchard Grass, or Cocksfoot, is one of our most useful grasses. It comes very early in spring, furnishing pasture earlier than other grasses. It makes good hay if cut as soon as in bloom; later it becomes hard and woody. It is especially valuable, mixed with other grasses and clovers, for pastures and for sowing on logged-off land. It is very hardy, and thrives in shady places where other grasses will not grow, but is not suitable for lawns. Being a bunch grass, it is best mixed with other grasses. When used alone, sow forty to sixty pounds per acre.

Price subject to change: See supplement following page 48.

Crested Dog's Tail

(*Cynosurus cristatus*)

A perennial grass forming a smooth and lasting turf, excellent in mixtures for lawns, putting greens, and pastures. It thrives best on rich, moist land, but can accommodate itself to almost any soil, and, as the roots penetrate deeply into the ground, it can stand severe drought. Height one to two feet. Sow twenty to thirty pounds per acre when sown alone, or in that proportion when mixed with other seeds.

Price; subject to change; see supplement following page 48.

Tall Oat Grass

(*Avena elatior*)

Valuable for pasture on account of its early and luxuriant growth. It also produces a large quantity and good quality of hay. It is deep rooting, hardy, withstands drought, and is grown successfully in Eastern Washington and California. It is best mixed with other grasses, and should not exceed one-fifth of the total amount of seed sown.

Price; subject to change; see supplement following page 48.

Velvet Grass, or Mesquite

(*Holcus lanatus*)

Velvet Grass, also known as Mesquite, Meadow Soft Grass and Yorkshire Fog, is of little value except for pastures on light sandy, or marshy soils where other grasses will not grow. It has little food value, is not relished by stock, and on account of its spreading habit is rather difficult to eradicate.

Price; subject to change; see supplement following page 48.

Prices (subject to change)
unless otherwise quoted
are F. O. B. Seattle or
Portland



Orchard
Grass

LILLY'S
Seeds
Please
Partic-
ular
Plant-
ers

Meadow Fescue

(*Festuca pratensis*)

Also known as English Blue Grass. One of the best of permanent meadow and pasture grasses. It is very hardy, and succeeds in almost all soils, but does best on moist, rich land. It comes very early in spring and again in fall, and should form a part of all pasture and hay mixtures.

Price; subject to change; see supplement following page 48.

Sheep's Fescue

(*Festuca ovina*)

Of dwarf, thick growth, yielding a large amount of nutritious herbage, and is valuable in pasture mixtures. It prefers dry uplands and thrives in poor, shallow, gravelly soils.

Prices; subject to change; see supplement following page 48.

Hard Fescue

(*Festuca duriuscula*)

More dwarf than Sheep's Fescue, but useful in pasture mixtures for dry uplands and poor soils.

Price; subject to change; see supplement following page 48.

Red, or Creeping Fescue

(*Festuca rubra*)

A creeping rooted species, forming a close and lasting turf, resisting drought and thriving on inferior soils, gravelly banks and exposed hillsides.

Price; see supplement following page 48.

Sudan Grass

(*Andropogon Sorghum*)

A great drought resisting hay and forage crop, especially suitable for hot, dry sections, but grown quite successfully west of the Cascade Mountains. In appearance it resembles Johnson Grass but does not have the aggressive root-stalks, stools more freely, has more and broader leaves, is an annual, and will not become a weed. As it is an annual, it must be seeded each year, like Sorghum or Millet.

The seed should not be sown until the ground becomes thoroughly warmed in spring. It may be broadcasted or drilled at the rate of sixteen to twenty-four pounds per acre, in which case it grows three to five feet high; or it may be sown in rows and cultivated, at the rate of four to six pounds per acre, and sometimes grows six to nine feet high.

The following are good reasons why you should grow Sudan Grass:

1. It lacks entirely the underground root stocks which make some other grasses a pest.
2. Two or even three cuttings can be obtained from it under favorable conditions.

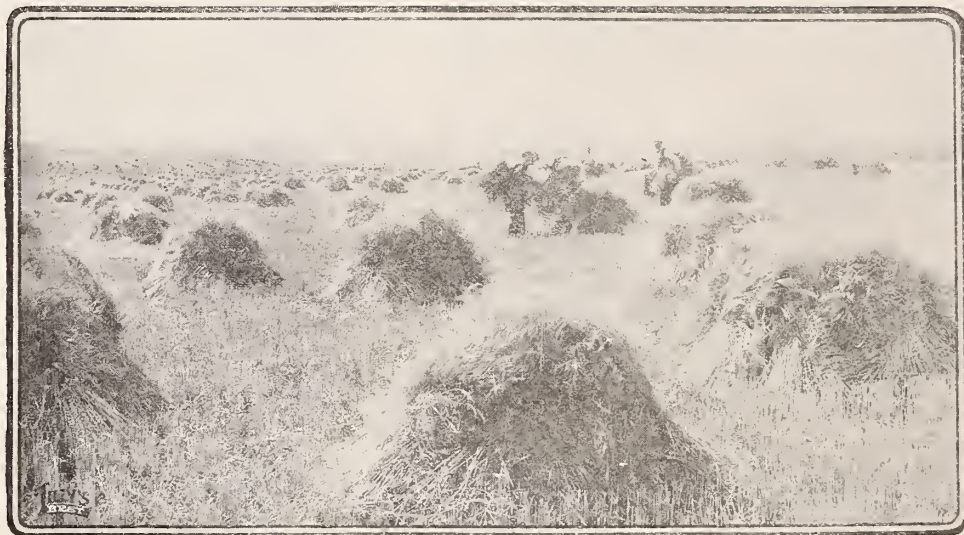
Price; subject to change; see supplement following page 48.

Fine Leaved Fescue

(*Festuca ovina tenuifolia*)

Similar to Sheep's Fescue, but with finer leaves. It has the same dwarf growth and drought resisting qualities, and is suitable in pasture mixtures for dry and inferior soils; also for dry slopes on lawns.

Price; see supplement following page 48.



LILLY'S Pasture and Hay Mixtures

The Most Suitable Combinations in Correct Proportions for Best Results.

These Pasture Mixtures contain the correct early, medium and late grasses to supply pasture continuously during a long season; also bunch, deep rooting, and creeping grasses to form a tough and lasting turf. The Hay Mixture is composed of tall-growing grasses which will mature about the same time, and will produce the maximum amount of hay of the best quality.

No. 1 Pasture Mixture

Especially prepared for wet bottom-lands. It contains Meadow Fescue, Red Top, Alsike, English Rye Grass, Kentucky Blue Grass, Canadian Blue Grass, Red Clover, Italian Rye Grass, and Orchard Grass.

No. 2 Pasture Mixture

For dry up-lands, and especially useful for sowing on logged off land. It is composed of White Clover, English Rye Grass, Italian Rye Grass, Canadian Blue Grass, Meadow Fescue, and Ky. Blue Grass.

Hay Mixture

A splendid mixture, producing hay of fine quality and maturing evenly. Composed of Timothy, English Rye Grass, Red Clover, Meadow Fescue, and Canadian Blue Grass.

Prices; subject to change; see supplement following page 48.

LILLY'S Sun Wheat

A New Winter Wheat Especially Adapted to the Northwest

Following our regular policy, we have for several years been experimenting with many varieties of wheat for the purpose of choosing the varieties best suited to conditions in the Northwest. Our tests have proven that Sun Wheat excels all others in yield and quality, especially for the country west of the Cascade Mountains.

Sun Wheat is a remarkable new winter wheat imported from southern Sweden and is the heaviest yielder of them all. It ripens earlier than most other varieties. The grain is plump, of a reddish color, and the weight per measured bushel is above the average. It does well on rather light soil, and is resistant to rust and smut. The heads are compact, firm and uniform; very similar to Club wheat but much longer. Its stooing habit is especially good. The straw is of medium height, erect and veay stiff.

In a comparative test in adjoining fields and under identical conditions, Sun Wheat yielded 55 bushels and Club wheat 40 bushels per acre. The seed is grown for us on contract, from specially selected seed and is under the direct supervision of our grain expert from the time the land is plowed until the seed is threshed and cleaned.

Price subject to change, see supplement following page 48.

LILLY'S Marquis

A Highly Recommended New Spring Wheat

This spring wheat was so highly recommended that we purchased a stock of the seed, and we feel justified in offering it. It was originated by the Canadian Government Agricultural Department and is a cross between Fife and Red Calcutta.

The Washington State Agricultural Station describes it as follows: "Marquis is an early maturing red soring wheat which has been introduced recently from Canada. It may be grown in the place of Bluestem where an early maturing wheat is desirable. It does not shatter easily and stands well. It has a short, plump, very hard kernel and is of good quality.

Price subject to change; see supplement following page 48.

LILLY'S Pedigreed Bluestem

Specially Selected Seed

Bluestem has long been the standard and is still unexcelled for the Northwest. East of the mountains it is extensively grown as a spring wheat in the drier sections, but on the coast where the winters are mild, it is sometimes seeded in the fall, and with the exception of Sun Wheat it appears to be the only really satisfactory wheat for this section. Its popularity is due to its drought resistance, heavy yielding capacity, non-shattering character and high milling value. Our seed is of the finest quality, carefully selected and thoroughly releaned.

Price subject to change; see supplement following page 48.

Observations by Prof. E. P. Gaines, Cerealist, Washington Agricultural Experiment Station

Wheat is the standard grain crop of the Northwest. It is grown under wide variations of temperature, elevation and rainfall. Fall wheat should be drilled in at the rate of from three to six pecks (45 to 90 lbs.) per acre on a rather loose cloddy seed bed. Spring wheat does better when drilled in early on a seed bed that is rather firm below the first two or three inches. Harrowing wheat is of doubtful value unless the ground is badly crusted or foul with mustard or other weeds.

The country seems to be in a transition stage just now as is shown by the introduction and sudden popularity of several new strains. As a rule, winter wheat yields more than spring wheat. For silage or hay wheat should be cut in the dough stage, but for grain it should be well matured.



LILLY'S
SUN
WHEAT

Excels all others
in yield and
Quantity

The Ideal
Winter Wheat
for the West

Seed Oats

JILLY'S Victory

Excels Others in Yield on Light Soil

On account of oats being one of the most important crops in the Northwest, we have taken great pains to test all the most promising varieties, and select those which prove to be best adapted to this locality. These tests show Victory Oats to be way ahead of all others in yield on light soils, although Abundance Oats yield about the same on heavier soil, and they are not of such extremely fine quality as Regenerated Swedish Select. However, the quality is good, and as productiveness is the most important point with most growers, we highly recommend this variety.

Victory is a head oat; the straw is of medium height and is particularly firm and elastic making it resistant to lodging. The grain is white with a slight reddish shade, and is smaller than Regenerated Swedish Select.

Our seed is pure, and is grown with special care, in Western Washington, from seed stock imported from Sweden.

Price subject to change: See supplement following page 48.

JILLY'S Abundance

A Splendid New Variety

This is a new variety, recently introduced from Scotland, and has made a splendid showing in our seed fields, yielding equal to Victory Oats on heavy soil. It also ranks with the best in trials at the Washington Agricultural Experiment Station, as shown in Bulletin No. 129. The straw is of medium height, sturdy, and stands erect. It is medium early; has a spreading head; the grain is white and of medium size and weight.

Price subject to change: See supplement following page 48.

JILLY'S Black Alaska

A Very Superior, Hardy Black Oat

A hardy black oat, with spreading head, thick, black hull, and large, plump, dark colored kernels. The straw is large and strong, not liable to lodge, stools freely, is a heavy yielder, and is splendid to sow with vetch or field peas to support the vines. It is sometimes sown in fall, but is not so hardy as Gray Winter Oats, and is more liable to freeze out during the winter. Our seed is very superior, being grown in Washington from seed of a perfected strain which we imported from Sweden.

Price subject to change: See supplement following page 48.

Write for prices on large quantities.

JILLY'S Banner

A Popular and Productive Variety

A very popular white oat, with spreading head, introduced from Scotland. The straw is of medium height, and stands up well. The grain is white, with a comparatively small percentage of hull, and is heavier than the average. Experiment Station tests show it to be among the best in yield and quality.

Price subject to change: See supplement following page 48.

JILLY'S Gray Winter

Especially Valuable for Fall Sowing

Gray Winter Oats are very hardy, and are generally used for fall sowing, and are especially useful for sowing with vetch. The straw grows very long, is stiff and not liable to lodge. It is a side oat with very compact head. The grain is dark gray, large and plump, and it yields well.

Price subject to change: See supplement following page 48.

Write for prices on large quantities.

Treatment of Seed Oats for Smut

Immerse the sacks of seed ten minutes in a solution of one pound of Formalin to forty gallons of water; remove the sack, and drain. Allow the seed to remain in the wet sacks over night and use the next day. If the seed is not used within forty-eight hours after treatment, it should be spread out to dry preventing sprouting in the sacks. See Washington State College Agricultural Experiment Station Bulletin No. 129, which will be furnished free by the station, Pullman, Wash., on request.

TRUE SERVICE If you have any doubt as to the best variety to sow, ask us, we will tell you frankly. Our aim is to serve you, and serve you to the best of our ability, *we are here to stay and we want you to stay with us.*

Seed Oats

LILLY'S Regenerated Swedish Select A Splendid Variety; Unequaled in Quality

Swedish Select has long been popular, but the variety deteriorated and most of the seed on the market is very inferior. We procured from Gartons, the famous plant breeders of England, a quantity of pure seed of their regenerated grain, and it is from this stock that our seed is grown. It is grown in Washington, and thoroughly acclimated.

It makes a very sturdy growth; the straw is of medium height and is extra large, making it less liable to lodge than any other variety. It yields very heavy crops, although hardly equal in that respect to Victory or Abundance. In quality it is by far the best of any oat that we have tested. It has a large spreading head, and the grain is large, plump, and very heavy, weighing forty-eight pounds to the measured bushel. It is one of the very earliest varieties, and on account of its exceptionally fine quality and heavy yield is probably the most valuable variety grown in the great oat growing sections of Washington.

Prices are subject to change, see supplement following page 48.

A Splendid
Variety:
Unequaled
in Quality

LILLY'S Black Side Oat

Better Than the Old Black Tartarian

Those of our customers who have hitherto grown the Old Black Tartarian will appreciate this special selection. These Oats were originally picked out from our trials and grown on in comparison with others two years ago when they at once outyielded all others. During growth they showed marked characteristics of head and stiff large straw. While it is true that Side Oats do not generally yield as heavily as head oats this selection proved to be an exception. The kernels are larger than other varieties of this type but have a slightly thicker hull.

As we have only limited stock for distribution this season we recommend orders being mailed early.

Price subject to change: see supplement following page 48.

WARNING

Extract from

"Monthly News Letter"

Vol. 1, No. 2.

Issued by Washington State Dept. of Agriculture.

All farmers and other users of seed should be careful of seed coming directly from companies outside the state, and therefore not subject to the requirements of the State Seed Control Act. The following are two examples of what we find from time to time:

White Clover shipped by California, to a Walla Walla, Washington concern and marked Standard, contained almost twenty per cent weed seeds. A farmer pays seventy-five cents per pound for this seed and sows over 200,000 seed seeds for every pound of clover he buys.

Sweet Clover shipped by Indiana, to a Seattle seed house and marked Standard contained less than twenty-five per cent sweet clover, the remaining seventy-five per cent consisting of adulterants and weeds. The sweet clover germinated sixty-four per cent.



Field Corn

LILLY'S Washington Grown Tested for Germination

Varieties Most Suitable for the Northwest,
Thoroughly Acclimated

Corn is being grown successfully and quite extensively in some sections of the Northwest. However, this country is not well suited for corn growing, and to be successful must be given every possible advantage. Soil and cultivation must be right, and the seed must be acclimated. Being acclimated is of the utmost importance, more important with corn than with any other seed. We have chosen two varieties, procured thoroughbred seed of those varieties, and have grown and acclimated them in Washington. Corn is raised in the Northwest primarily for silage, but it may be shocked and fed as grain in the sections of longer seasonal growth.



Silver King

LILLY'S

Washington Silver King

A new and very early variety; the largest and best early white corn, and especially recommended for the Northwest. Grown in Washington from thoroughbred seed, and thoroughly acclimated.

The stalks generally grow seven to eight feet in height with ears two and one-half feet from the ground. The ears are seven to nine inches long, smooth, straight rowed and of perfect shape, showing careful selection and perfect pedigree.

The kernels are large, pure white, dented, and are deeper than any other early white corn. The seed is tested for germination.

Price, subject to change: See supplement following page 48.

LILLY'S Washington Golden Nugget

Our tests prove this to be the best yellow dent corn for the Northwest. The stalks grow to a good height, producing one or two good ears each. The ears are ten to eleven inches long, fourteen to sixteen rowed, and well filled over butt and tip. The cobs are small and the kernels deep, flinty, slightly dented and of a beautiful golden yellow color.

This corn is grown in Washington from thoroughbred seed, and is tested for germination. We have grown good crops of this variety, proving that it will mature in the Northwest when soil and culture are favorable.

Price, subject to change: See supplement following page 48.



Golden
Nugget

LILLY'S Northern Grown

Popular Standard Varieties

- LEAMING IMPROVED.** Early yellow dent; long, narrow kernels.
IOWA GOLD MINE. A medium early golden yellow dent corn.
PRIDE OF THE NORTH. A splendid quick-growing yellow dent.
CHAMPION WHITE PEARL. A large, late, white dent corn.
EARLY CANADA. An early yellow flint variety.
KING PHILIP. An early red flint corn adapted to the Northwest.
SANFORD WHITE FLINT. A reliable, early, large, white flint corn.
MINNESOTA NO. 13. A good, new, large, early, yellow dent corn.
SWEET FODDER CORN. Sweet corn; producing nutritious fodder.
RED COB ENSILAGE CORN. A field corn for fodder and ensilage.

Prices subject to change, see supplement following page 48.

HELPFUL POINTERS

Ripe corn yields five times as much dry matter per acre as corn that is fully tasseled; two and two-thirds times as much as corn fully silked; and nearly one and three-fourths times as much as corn in the milk; hence the importance of growing corn for ensilage that will mature.

In order that ensilage may keep well, corn should be cut about the time the kernels are well glazed and dented. If it is cut too green, as stated, too much acid develops; if cut too ripe it does not settle properly and the air is not sufficiently excluded to prevent spoiling. The ripest corn should always be cut first and placed in the bottom of the silo, because the great pressure near the bottom will tend to exclude the air.

If planted on rich, mellow, well-drained land between the middle of May and the first of June, corn should be ready for feeding green from about the first to the fifteenth of August. As previously stated, early varieties should be planted, and seed grown west of the Cascade Mountains succeeds better than eastern seed.

Barley

JILLY'S White Hulless—Beardless

Threshes Out Like Wheat, Making it a Valuable Stock and Poultry Food

Barley is one of the very best stock foods, either as grain or hay. It is also splendid as a nurse crop for grasses and clover and as a support for vetch and peas. It is a shallow feeder, and requires a mellow, rich soil with fertility near the surface. It is not a crop for poor, sandy, or worn out land, neither does it do well on newly cleared land, but no other crop responds more readily to good soil and thorough cultivation, and the careful farmer who gives a little extra attention to thorough preparation of the soil will be amply repaid for his trouble.

The only objections to barley have been the long, stiff beards which are objectionable in grain hay, and the hulls, which make the grain less valuable for feeding purposes. These objections are entirely overcome in White Hulless Barley, for it is entirely beardless, as shown in accompanying half-tone, and when threshed hullless, like wheat, to which the large, plump, hard grain is very similar. The hay is superior to any of the other grain bays, and the grain, especially when rolled or ground, is unexcelled as a grain food for horses, hogs, cattle, or poultry.

White Hulless Barley is more productive than wheat, and matures about two weeks earlier. It may be sown as late as July, provided sufficient moisture may be depended upon, making it a valuable catch crop. West of the Cascade Mountains it is sometimes sown in fall. It is sown the same as wheat, at the rate of about one hundred pounds per acre.

Price subject to change; see supplement following page 48.

Vermont Beardless

Entirely Beardless

This is a highly improved strain of Beardless Barley, entirely free from bearded heads, making it very much superior to the bearded varieties for hay. It is also preferable for grain, as it is as easy to handle and thrash as oats.

Vermont Beardless Barley is very early, and as it is hardy, may be sown early in spring, or it may be sown as late as the first of July. The straw is good, stands up well, and is a splendid variety to sow with vetch or peas. It is very productive.

Price; subject to change; see supplement following page 48.

Beardless

General Stock

The ordinary strain of beardless barley, which until recently has been the best obtainable. On account of not being thoroughly perfected by selection, it may produce some bearded heads.

Prices subject to change; see supplement following page 48.

Wisconsin Pedigree

Best Hulless Barley

This barley was introduced by the Wisconsin Agricultural Experiment Station, the originators of the well known Oderbrucker Barley, to which they claim that this is much superior. It has very nearly replaced all other varieties of bearded barley.

The heads are exceedingly long and are uniformly well filled; the straw is strong; the grain is large, plump, and heavy, and the experiment station claims that it out-yields all other bearded varieties five to six per cent.

Price; subject to change; see supplement following page 48.

Six Row White

Specially selected re-cleaned seed of the common, white, six-rowed, bearded barley which has been most generally grown. It is sometimes sown in fall west of the Cascade Mountains.

Price; subject to change; see supplement following page 48.

GROW BARLEY THIS YEAR.

Barley is recognized as one of the best feeds and can be grown much easier than corn and comes on early, giving the farmer feed the time of the year when he needs it most.

If you raise hogs, you should grow barley. The demand for barley is increasing and since it is a very profitable crop, we look for a much larger demand.

It may be you have never grown barley and do not know its value. We would ask that you read this page carefully about the different varieties and select the one that suits your requirements best and plant a liberal acreage. The crop is just as easy to grow as oats and makes far better feed.



GROW MORE RYE

JILLY'S Petkuser

The Best Rye for the Northwest

After testing all promising varieties of rye for several years, we are convinced that Petkuser is by far the best suited to the Northwest. Our tests prove conclusively that it outclasses all other varieties in both yield and quality.

Our original seed stock was imported from Sweden, where this variety has proved to be the best in that country, where rye is one of the main crops. From that seed we have grown splendid crops and now have a good stock of seed which is thoroughly acclimated to the Northwest and which we are pleased to recommend to our customers.

The heads are long, four rowed and the kernels are larger than the common rye. The straw is strong and will not lodge under ordinary weather conditions. It yields much heavier than any other variety that we have tested and it will fill well on soil usually considered too rich for rye.

Price: Subject to change, see supplement following page 48.

JILLY'S Russian Winter

A Standard Variety Which Produces Excellent Results

With the exception of Petkuser Rye, this is the best in yield and quality for grain, grain hay, straw or green foliage. Our seed is specially re-cleaned, and only the largest and heaviest kernels are retained.

Rye is a valuable and hardy crop, providing green forage in late Fall and early spring. It matures more quickly than most other crops and can be made to yield a good crop on soil that is too poor for other cereals. It is splendid to sow with vetch or field peas. In food value it is very similar to wheat and it is a very good hog food.

Price: Subject to change, see supplement following page 48.



By Prof. E. F. Gaines, Cerealist, Washington Agricultural Experiment Station: Rye is one of the hardiest of the cereals. There are both Spring and Winter varieties. Winter Rye sown in the spring makes an abundance of green pasture all summer long. Rye grows a great amount of straw and chokes out weeds better than other grains do. It is the only crop in the arid sections that can compete with Jim Hill Mustard and Russian Thistle. Less care need be taken in preparing the seed bed than for other crops, although it responds to good cultivation quite readily.

Rye shatters badly if allowed to stand until it is over-ripe. It should be cut for hay when the grain is in the milk, as the beards become stiff and barbed shortly after this time and the straw is more fibrous.

JILLY'S Emmer, or Speltz

Produces Good Crops Where Other Grains Fail

Emmer has been grown in this country for several years, but has been commonly called "Speltz," which is an error, as Speltz is an entirely different grain, but little known in this country. Emmer is highly recommended by the United States Department of Agriculture in Farmers' Bulletin No. 139, "Emmer a grain for Semi-Arid Regions," which may be procured by writing to your congressman or to the U. S. Department of Agriculture, Washington, D. C.

It is a species of wheat, resembling two-rowed barley in appearance, and is extremely hardy and drought resisting, making it especially valuable for stock food, either as grain, hay or forage, in dry regions or on poor soils.

It will produce fair crops under almost any condition of soil or climate, but its greatest value lies in its ability to produce a crop in hot, dry localities and on poor soil, where other grains would fail. Under such adverse conditions it will produce more and better stock food than any other grain. In feeding value it equals barley or rye. When threshed it retains the hulls like barley, but the beards are very short, as shown by accompanying cut. It is generally sown in spring in the same manner as wheat or barley at the rate of about 100 lbs. to the acre.

Consider these points: 1. It resists extreme drought. 2. It thrives on poor and stony lands. 3. It produces a heavier yield than Oats, Wheat or Barley. 4. Readily eaten by and all kinds of stock thrive on it. 5. Early maturing. 6. Does not blight, rust or lodge. 7. The straw is highly relished by stock. Then—try it this year.

Price: Subject to change, see supplement following page 48.



Showing Grains of Emmer

Prices do not include transportation charges. If goods are to be shipped to a station at which there is no agent, or by parcel post, remittance must include a sufficient amount to prepay charges

LILLY'S Vetch

A Valuable Hay, Ensilage, Pasture, Soiling and Fertilizing Crop

The vetches are among the most valuable leguminous crops that can be grown in the Northwest for hay, ensilage, pasture, soiling, green manure, and for a cover crop for orchards. In food value they are about the same as alfalfa, are consumed with less waste and are relished by stock. They are of the greatest value as fertilizers. Like alfalfa, clover, peas, and other legumes, vetch has the power of drawing nitrogen from the air and distributing it in the soil. Even though the crop is removed from the land, the soil will be improved; when plowed under the benefit will be much greater.

The names Spring Vetch and Winter Vetch are misleading. Spring Vetch is the variety used almost exclusively west of the Cascade Mountains, and in other mild, cool, moist climates, for either spring or fall sowing. Winter Vetch is used east of the Cascades and in climates where the winters are severe and the summers hot and dry, for fall sowing generally and sometimes for spring sowing.

Common, or Spring Vetch

(*Vicia sativa*)

For Spring or Fall West of the Cascades

Common Vetch is perfectly adapted to conditions west of the Cascade Mountains, where it is sown either in fall or spring, preferably in fall. It is an annual legume, of great value as a nitrogen gatherer, as a green manure, and as a pasture, ensilage and soiling crop. When sown early in fall it is a splendid cover crop for orchards. It makes excellent ensilage, and dairy cattle prefer the hay to that of red clover. The yield of cured hay is from one and one-half to four tons per acre.

Common Vetch sown early in September should be ready for feeding green about the middle of April or first of May. It may be sown as late as the middle of November and should be ready for feeding by the first of June. When sown early in spring it should be ready for feeding in June. It is generally sown at the rate of sixty to one hundred pounds per acre, with about fifty pounds of oats, rye, wheat, or barley to support the vines.

Price subject to change, see supplement following page 48.

Winter, or Hairy Vetch

(*Vicia villosa*)

For Fall or Spring East of the Cascades

Winter, Sand, or Hairy Vetch is another legume, similar to Common Vetch, and valuable for the same purposes, but it is suitable for climates where the winters are more severe and the summers hotter and drier. It is the variety used east of the Cascade Mountains, generally for fall sowing but it may also be sown in spring.

It makes splendid hay, ensilage, pasture, green feed, and is of special value as a fertilizer. Used as a cover crop for orchards, it prevents washing of the soil during the winter, and when plowed under in spring it makes one of the very best fertilizers, furnishing nitrogen and humus, both of which are needed by the soils in that section. Nitrogen is the most expensive fertilizing element, and is the element most lacking.

The seed of Hairy Vetch is smaller than Common Vetch, and thirty pounds is sufficient to sow an acre. With it should be sown about sixty pounds of wheat or rye to keep the plants off the ground.

Price subject to change; see supplement following page 48.

Purple Vetch

(*Vicia atropurpurea*)

A Rapid Growing Variety for Spring Sowing

A new Spring Vetch described by the Western Washington Experiment Station as follows:

"The leaves are long and narrow and the early growth is quite similar to Hairy Vetch (*Vicia Villosa*). The flowers are borne in clusters like the Hairy Vetch, but, are a reddish purple instead of bluish purple. The seed is velvety black and the point of attachment to the pod is white. The plant is not as hardy as Common Vetch, being adapted only for spring seeding. It makes a rapid growth and for spring seeding is a rival of the Common Spring Vetch (*Vicia sativa*). It produces seed abundantly, in pods that do not open readily, so it is not inclined to shatter."

For prices see supplement following page 48.

To insure a crop of Vetch, or other legumes, inoculate the seed with Farmogerm



Common Vetch

LILLY'S



Bangalia

A comparatively new variety which has become quite popular east of the Cascades, as it does better than other varieties on dry land. The seed is rather small, slightly dented or wrinkled, and is of a brownish-green color.

For prices see supplement following page 48.

Whip-Poor-Will Cow Peas

Cow Peas are grown extensively in the south for fodder and to plow under for fertilizer. They may be grown in Eastern Washington and Eastern Oregon, but should not be sown until the ground becomes thoroughly warmed in spring. They cannot be grown successfully west of the Cascade Mountains.

For prices see supplement following page 48.

JILLY'S Field Peas

A Valuable Grain, Hay, Ensilage and Fertilizing Crop for the Northwest. Takes the Place of Corn for Hog Raising

Soil and weather conditions in the Northwest, especially west of the Cascade Mountains, are ideal for growing peas, and field peas are one of our most valuable crops for either grain, hay, ensilage, or soiling. The grain is a splendid food for hogs, and makes hog-raising possible in this section where it is difficult to mature corn properly. Pea-fed pork is unexcelled. Peas are also the most satisfactory crops for "hogging down." The grain is a standard food for pigeons, and pea meal is good in mash foods for poultry. The hay and ensilage are very nutritious and are relished by most all stock, dairy cows in particular. They are excellent for pasture or green food for growing pigs and other stock.

Peas do best when sown very early in Spring. They are sometimes sown in fall west of the Cascades. When sown early they will mature in July, in time to plant the ground to some other crop. They are usually drilled or sown broadcast at the rate of one hundred pounds per acre, together with about one hundred pounds of oats, wheat, rye, or barley to support the vines. They produce twenty-five to thirty bushels of grain, or two to four tons of hay per acre.

Like clover, alfalfa and vetch, peas are legumes and valuable as a fertilizer. They draw nitrogen from the air and distribute it in the soil, greatly improving the soil, instead of exhausting it as other crops do. When peas are grown on land for the first time, the seed should be inoculated with Farmogerm to insure presence of nitrogen gathering bacteria.

Yellow Canadian

These small, round, smooth, yellow peas are the most generally grown field peas for stock food, and great quantities are also used for human consumption.

For prices see supplement following page 48.

Green, or Bluebell

The seed is larger than the Yellow Canadian, and it has a bluish color, but is very similar in all other respects.

For prices see supplement following page 48.

The Field Pea

By Dr. Jas. Withycombe, Director Oregon Experiment Station

This is a forage plant that is greatly neglected in the Northwest. There is undoubtedly a wide field of usefulness for it in the strictly wheat producing section east of the Cascades. Peas should be sown occasionally as a rotation crop with wheat. This will bring up the organic matter and thus insure the continuous production of good crops of wheat. With plenty of humus in the soil there will be much less danger from injurious results from drought. Humus improves the moisture-holding capabilities of the soil. There is nothing better for adding humus to soil than a pea crop. The field pea may be utilized for hay, or silage, and is one of the best hog foods grown.

Peas flourish in a cool, moist climate, hence they should be sown very early in the spring, just as soon as the land can be worked. Sow about two bushels per acre, drilling them about three inches deep.

Farmogerm will supply the bacteria necessary to produce good crops of peas or other legumes

Millet

Useful as a Catch Crop for Hay and Forage

Millet is a quick-growing annual, and is mostly useful as a catch crop for hay. It may be sown as late as the last of July, after some early crop has been removed, or it may be sown in spring, after danger of frost is past, and harvested before the land will be required for a full sown crop.

For hay it should be sown at the rate of about thirty pounds per acre; for seed twelve to fifteen pounds is sufficient. It produces two to five tons per acre of very good hay.

Golden

A medium early variety, growing four to five feet high, and making a very good quality of hay or forage. It will thrive in almost any soil or climate, and sometimes produces as much as five tons of hay and seventy bushels of seed per acre.

Pound **10c**, Postage additional.

Japanese

Grows six feet or more in height and produces immense crops of splendid hay forage, or ensilage. It does well in most all climates and soils. Less seed is required than of the other varieties.

Pound **10c**. Postage additional.

Siberian

A comparatively new variety, imported from Russia; earlier than Hungarian, and very hardy, withstanding more heat and drought than any other variety. It makes a rank growth, with abundance of leaves, and produces immense crops of excellent hay.

Pound **10c**, Postage additional.

Hungarian

This is sometimes called Hungarian Grass. It grows about three feet high, with slender stems and abundant leaves, and produces two or three tons of excellent hay per acre. It is a week earlier than Golden Millet, and requires less moisture

Pound **10c**, Postage additional.

Feterita

A non-saccharine sorghum of special value in the dry farming sections. It is similar to Kaffir Corn, but matures three or four weeks earlier. It makes excellent fodder or produces a good yield of grain.

Pound **15c**, Postage additional.

Kaffir Corn

A splendid forage plant for the country east of the Cascade Mountains, where it produces large quantities of seed or excellent fodder, but it is of little value on the coast. Postage additional.

Pound **10c**, Postage additional.

Broom Corn

Another non-saccharine cane, grown for seed, fodder, and for manufacturing brooms. Not grown successfully on the coast, but may be grown east of the mountains. Grown the same as Kaffir Corn.

Pound **10c**, Postage additional

Sunflower

The seed is excellent poultry food, when mixed with grains, and should be more generally grown by poultrymen. Pound **15c**, Postage additional

Flax Seed

Sow seed in spring on moist land, at the rate of thirty pounds per acre if grown for seed, or twice that amount if grown for fiber.

Pound **15c**, Postage additional.

Early Amber Sorghum

The sugar cane used for making sorghum syrup, also a splendid summer forage crop for cows; very sweet, rich and succulent. Should not be planted until the weather is thoroughly warm in spring.

Pound **15c**, Postage additional.

Japanese Buckwheat

Excels all other varieties. The grain is large, it yields heavy, ripens early, stands up well, and the flower is fairly equal to any other. It remains a long time in bloom and is excellent for bee pasture.

Pound **15c**, Postage additional.

Soja, or Soy Beans

The beans are valuable for both human and stock food, also for the oil which they contain. They are not yet grown very extensively in this country, but great quantities are imported from Asia. The plants are also grown for forage and green manure, similar to Cow Pea.

Pound **15c**, Postage additional.



For
Prices on
Large
Quantities
See
Supple-
ment
Following
Page
48

Three Great Forage Plants

LILLY'S Thousand Headed Kale

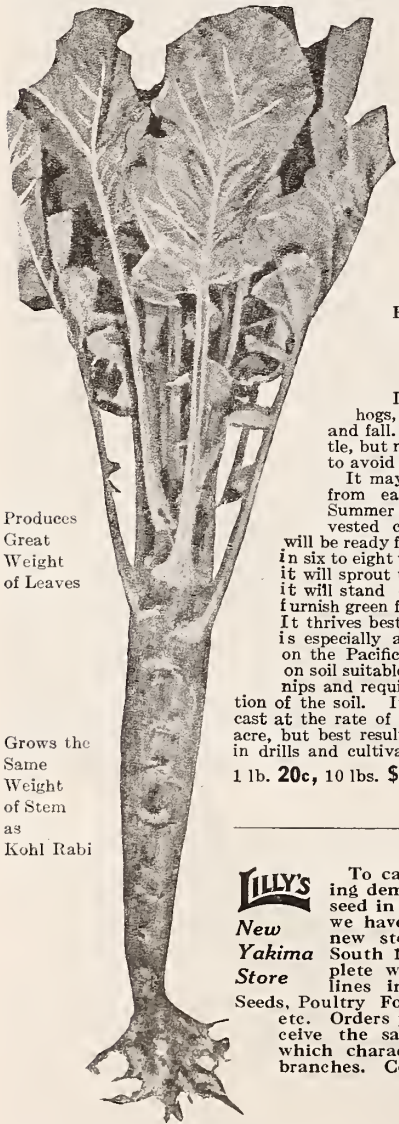
Supplies Green Food for Cows, Sheep, Hogs and Poultry During Winter

Thousand Headed Kale or Cow Kale as it is sometimes called is one of the most useful crops for the Pacific Coast. It belongs to the cabbage family, is succulent and nutritious and is unequalled as green food for stock, especially poultry and cows. West of the Cascade Mountains it is left in the ground all winter and cut as required for feeding.

It is not only an economical food but by supplying succulent green food will keep stock in perfect health. No poultryman can afford to be without his patch of Kale; it answers the question of green food for fall and winter. Feeding this plant by stripping off the lower leaves is not recommended as regular practice, as it is extremely laborious, especially during wet weather, puddles the soil badly and causes the stripped plants to suffer from frost. However, where the green feed runs short in September the larger lower leaves of the kale may be stripped off for feeding at this time.

Oz. 10c, ¼ lb. 20c, lb. 65c, Postage extra.

For prices on larger quantities, see supplement following page 48.



Produces Great Weight of Leaves

Grows the Same Weight of Stem as Kohl Rabi

LILLY'S Marrow Cabbage

(Chou moellier)

White Stemmed Marrow Cabbage

Marrow Cabbage is a valuable dairy and poultry food, very similar to Thousand Headed Kale, but even more prolific. The plants average four to six feet in height, with stalks five to six inches in diameter and weight fourteen to twenty pounds. The stalks are edible and relished by cows. The lower leaves are broken off and fed as they mature.

The plant is not so hardy as Thousand Headed Kale, but is most valuable for green feed in fall and early winter. The culture is the same as for Kale and Cabbage. One pound of seed will produce plants for one acre. Oz. 15c, lb. \$1.00, Postage extra

Every one with Poultry should have a patch of Kale or Marrow Cabbage.

LILLY'S Dwarf Essex Rape

Dwarf Essex Rape is a valuable forage and pasture crop for stock, especially sheep and hogs, and is particularly useful when other green food is scarce during the dry season in summer and fall. It is splendid for cattle, but must be fed judiciously to avoid tainting the milk.

It may be sown any time from early Spring until late Summer after an early harvested crop is removed, and will be ready for pasturing or cutting in six to eight weeks. If not cut close it will sprout up again in fall and as it will stand considerable frost will furnish green food far into the winter. It thrives best in cool weather and is especially adapted to our climate on the Pacific Coast. It will thrive on soil suitable for cabbage or turnips and requires thorough preparation of the soil. It may be sown broadcast at the rate of about five pounds per acre, but best results obtained by sowing in drills and cultivating.

1 lb. 20c, 10 lbs. \$1.50, Postage extra.

LILLY'S To cater for the increasing demand for dependable seed in the Yakima Valley, we have recently opened a new store in Yakima (14 South 1st St.) which is replete with all the leading lines in Garden and Field Seeds, Poultry Foods, Bee Supplies, etc. Orders placed here will receive the same prompt service which characterizes our other branches. Come and see us.





Farmer Freeman *Grow More Roots*

Says:

It is a regrettable fact that Farmers and Stock raisers in this Western country do not fully appreciate the great value of Mangels for feeding Cattle, Sheep, and Hogs. There is no question whatever as to the desirability for their more general use. In Great Britain and in fact all other European countries Root crops are grown on a large scale on every farm. Mangels are considered indispensable where stock of any kind is kept. From an economical point of view the Mangel crop is one of the most profitable on the farm as is amply demonstrated by the immense yields which are produced from an acre at very little outlay either in material or labor. 18 to 20 tons of roots per acre is not unusual, some of the roots weighing from 20 to 30 lbs. each. We earnestly recommend every farmer to put in an acre or two of Mangels this season as we are confident the results will more than justify the outlay.

LILLY'S King of Swedes

Ruta Baga, or Swedish Turnip

A Splendid Variety for Stock Food or Table Use

Ruta Bagas are grown and used similar to turnips, but require a longer season for growth and are even more valuable for stock food, they are also preferred by many for table use. Lilly's Kind of Swedes is an ideal, yellow fleshed rutabaga. The flesh is sweet, fine grained, juicy, tender, solid, and the color is bright yellow, very attractive, making it especially desirable for table use. Its large size, productiveness, hardiness and splendid keeping qualities make it the most valuable variety for winter feed for stock.

Pkt. **10c**, oz. **20c**, $\frac{1}{4}$ lb. **50c**, lb. **\$1.50**, Postage extra.

American Purple-Top Improved

An excellent variety for either table use or stock. The flesh is yellow, solid and sweet. It is of nearly globular shape, very large, immensely productive, and a good keeper.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **40c**, lb. **\$1.25**, Postage extra.

Monarch, or Tankard Ruta Baga

The roots are very large and are tankard shaped, with small neck and tops. The color is purplish-red above ground, yellow below. The flesh is yellow, fine grained, and sweet. Very productive and a good keeper.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **40c**, lb. **\$1.25**, Postage extra.

Garden Helps

The planting and cultivation of root crops, as well as garden vegetables, is made easy and pleasant, and the expense is reduced, by the use of the Iron Age Garden Implements listed elsewhere in this catalog. They do away with the back-breaking labor, do the work more quickly, and do it better. They will do more than pay for themselves the first season.



Mastodon Carrot

The Best Variety for Stock Feeding

Lilly's Select Stock Mastodon Carrot is undoubtedly the best variety for stock feeding. It is immensely productive, and on account of being half-long is much easier to harvest than the long varieties. The roots are seven to nine inches long, reasonably smooth, very heavy at the shoulder, tapering regularly to a point. The color is creamy white. The flesh is white, solid, crisp, and of excellent quality for stock feeding. Not recommended for table use.

Carrots require rich, well tilled soil, and under favorable conditions often yield as much as twenty-five to thirty tons per acre. They are splendid stock food, and should be more generally grown for that purpose.

Pkt. **5c**, oz. **15c**, $\frac{1}{4}$ lb. **35c**, lb. **\$1.00**

Postage extra.

Write for prices on large quantities.



King of Swedes



Danish
Sludstrup

Mangel

LILLY'S Danish Sludstrup

Stock Beets are Valuable Winter Feed for Stock and Poultry

Mangels, or Stock Beets, yield immense crops of nutritious, succulent winter food for stock and poultry, and our cool, moist climate on the Pacific Coast is especially adapted to their growth. Danish Sludstrup is a splendid new variety, and is undoubtedly the best variety grown. Our seed was procured from the originator in Denmark, where the variety has been awarded a first-class certificate by the Danish Government. The Danish Government has done much to improve the quality of its farm and garden products, and their approval of a variety is evidence of its superiority. Sludstrup is a long mangel, smoother than others, uniform in shape, of immense size, and the yield is remarkable. It is of a reddish yellow color, grows well above ground and is easy to harvest, and chemical analysis shows it to excel all other varieties in food value.

Pkt. 10c, ½ lb. 40c, 1 lb. 70c, Postage additional.
Write for prices on larger quantities.

Golden Giant

An excellent variety, of immense size, uniform shape, and very productive. The flesh is light yellow, fine grained, and very rich. It is half-long, easily pulled, and a good keeper.

Pkt. 10c, ½ lb. 35c, 1 lb. 65c, Postage additional.

Royal Red

The roots are very large, uniformly straight, well formed and solid; tops small; color deep red. It produces immense tonnage, roots weighing twelve pounds being not uncommon.

Pkt. 10c, ½ lb. 35c, 1 lb. 65c, Postage additional.

Giant Intermediate, or Gate Post

In shape it is intermediate between the long and globe-shaped varieties. The roots are large; neck small and short; flesh nearly white, sweet and tender. A big cropper.

Pkt. 10c, ½ lb. 35c, 1 lb. 65c, Postage additional

Half Sugar Mangel

Combines the size of mangel with the great food value of the sugar beet. The flesh is white, firm, crisp, and is greedily eaten by stock.

Pkt. 10c, ½ lb. 35c, 1 lb. 65c, Postage additional.

Long Red

A large, red mangel, producing immense crops. The flesh is white shaded with red. Grows much above ground, and is easy to harvest.

Pkt. 10c, ½ lb. 35c, 1 lb. 65c, Postage additional.

Golden Tankard

A popular, tankard shaped, stock beet. Large size; flesh yellow; nutritious and well liked by stock. Will grow in shallow soil.

Pkt. 10c, ½ lb. 35c, 1 lb. 65c, Postage additional.

Klein Wanzleben Sugar Beet

The variety most generally grown for sugar. Very rich in food values, but not so productive as the mangels. Splendid food for dairycows.

Pkt. 10c, ½ lb. 40c, 1 lb. 70c, Postage additional.

ROOT CROPS

By Byron Hunter, U. S. Dept. of Agriculture, Farmer's Bulletin No. 271.

Since the soil requirements and the methods of culture of Mangel-wurzels (*Beta vulgaris* var. *machorhiza*), carrots (*Daucus Carota*), and Ruta-bagas (*Brassica campestris*) are very similar, they will be treated collectively. Like Rape and Thousand-headed Kale, they succeed best where the weather is moist and cool. Hence their eminent adaptation to Western Oregon and Washington. In this region the yield of these crops is enormous, the ordinary yield being from 20 to 35 tons per acre, while reports of 45 to 50 tons are not infrequent.

Root crops usually succeed best on deep, moist, friable loam soils. On clay land they grow too slowly, and the soil is also difficult to work. Ordinarily, land for roots is heavily manured in the fall and then plowed considerably deeper than for other crops. Instead of

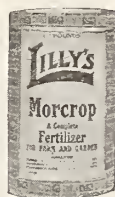
the above procedure, the manure is sometimes spread during the winter, the land plowed deep in the early Spring, and a fine, firm seed bed formed immediately by disking, harrowing, rolling, planking, etc., as the conditions may require. Just before planting the seed a thorough cultivation is given. This destroys the weeds, thoroughly pulverizes the soil, and leaves the surface smooth and in good condition for planting.

Mangel-wurzels and Ruta-bagas are usually grown in rows from 22 to 30 inches apart. When planted in continuous rows, enough seed is used to insure a good stand. When sown with a hill-dropping planter, the hills are from 8 to 15 inches apart and 4 to 5 seeds are dropped in each hill.



LILLY'S Morcrop Fertilizer

For
The
Farm



For
The
Garden



Is the direct result of our many years experience with fertilizers. To manufacture a general purpose well balanced fertilizer which we could strongly recommend to our customers has been an ambition we have realized in Morcrop. The use of a commercial fertilizer is becoming so common now that it is only a question of which fertilizer will be suited best for certain conditions and not as to whether one should be used. In Morcrop we have combined the elements necessary to make it a fertilizer suitable for all ordinary purposes.

Root Crops

Beets, mangels, turnips, Carrots and other root crops require a fertilizer which will give a good start in the earlier stages of growth, but must not be too effective in advanced stages, for it would tend to grow tops at the expense of roots. Morcrop will remain in the soil to feed the root gradually without forcing a growth of tops.

Lawn Dressing

When applied to the lawn at the rate of one hundred pounds to each 2,000 square feet, almost immediate effect will be noticeable. For new lawns use 100 lbs. to each 1,000 sq. feet. One Hundred lbs. of Morcrop is equal to nearly a ton of manure and is not nearly so objectionable. Morcrop is nearly odorless and easy to handle, as it is pulverized and can be sifted into the lawn in equal dressings.

No Weed Seeds

The great drawback to manure is the large amount of weed seeds it contains and which will surely come up to annoy you and rob you of your profits. Morcrop is absolutely free from such weed seeds and contains only matter beneficial to the soil.

Manure Now Scarce

The time is not far back when the word "fertilizer" was summed up in the one word "manure." Each day will find manure more scarce, and as we all know we just must fertilize, we are turning to the commercial fertilizers, which give better results with less outlay of labor, and in the end is really a great deal cheaper when results are summed up.

Guaranteed Analysis: Nitrogen as Ammonia, 2%, Potash 2%, Phosphoric Acid, 10%.
Price package (about 1½ lbs.), 25c; 25 lbs., 75c; 100 lbs., \$2.75, F. O. B. Seattle or Portland.

Nitrate of Soda

is a very valuable fertilizer when correctly used. It is quick in action; the effect will be noticeable within a few days, and for that reason it is best used as a top dressing after the plants are up. Best results are obtained by two or three light applications, about 150 lbs. per acre each, early in the growing season.

If applied too late in the season it is liable to cause excessive growth of tops and foliage at the expense of vegetables, fruit or grain. Its great benefit is as a stimulant to give the plants a vigorous start early in the season. It is especially valuable on garden crops, such as lettuce, radishes, celery, etc., the quality of which depends upon being grown quickly.

Price (subject to change), \$13.00 per sack of 200 lbs.; less than sack lots 8c per lb.; F. O. B. Seattle or Portland. Guaranteed analysis: Nitrogen, 13%.

Fertilizers

Bone Meal

is a splendid fertilizer and for many purposes is the best and cheapest form of nitrogen and phosphoric acid. It forms the base of all the best mixed fertilizers. It is slow in action and there is no waste, as the plant food is released only as fast as it can be taken up by the roots of the plants. It may be used in almost unlimited quantities without danger of burning the plants, neither is there any loss from leaching, and an ideal lawn or rosebed is made by mixing large quantities of bone meal with the soil. It is also an excellent top dressing for lawns, flower beds, etc., and is used extensively in greenhouses, hotbeds, nurseries and for forming soil for potted plants.

Price (subject to change), 10 lbs., 40c; 100 lbs., \$3.50. Guaranteed analysis: Nitrogen as Ammonia $2\frac{1}{2}$ to $3\frac{1}{2}$ %; Phosphoric Acid 18 to 22%.

Blood and Bone

A quick fertilizer, and for that reason more valuable than bone meal for some purposes, although the effect is not so lasting. It should not be applied a great length of time before the seed is planted, and is most useful as a top dressing. It is usually applied at the rate of 500 to 1,000 pounds per acre.

Price (subject to change) \$3.75 per 100 lbs. Guaranteed analysis: Nitrogen as Ammonia, 4%; Phosphoric Acid, 11%.

Supherphosphate

This is what is known as acid phosphate, being phosphate rock treated with acid to make the phosphoric acid available. It is generally used at the rate of 500 to 1,000 lbs. per acre. Packed in 125-lb. bags.

Guaranteed analysis: Phosphoric Acid, 17%. Price (subject to change), \$1.75 per 125-lb. bag.

Ground Lime Rock

This is the best form of lime for sweetening sour soil. It is fully as effective as air-slacked lime, does not burn the humus in the soil, is more convenient and less expensive. A large proportion of the land west of the Cascade Mountains is sour, and until the acid is neutralized with lime, fertilizers will be of little benefit. For ordinary cases a ton of ground lime rock per acre will be sufficient. In case of extreme acidity larger quantities will be required.

Price (subject to change) 75c per 100 lbs.; \$13.00 per ton.

Land Plaster, or Gypsum

Land Plaster is not really a fertilizer, as it contains no plant food, but it causes a chemical change in the soil, releasing the potash which is already there in unavailable form, and is very beneficial to clover, alfalfa, peas, beans, and other legumes. It is sown broadcast at the rate of one hundred to five hundred pounds per acre.

Price, subject to change, 75c per 100 lbs.; \$13.00 per ton; F. O. B. Seattle.

Insure Your Seed

If you are going to plant legumes such as ALFALFA, CLOVERS, PEAS, BEANS, VETCH, etc., you can insure a catch and vigorous growth by the use of bacteria of the right kind.

What Farmogerm Will Do

Unless the soil is very acid or wet, Farmogerm will:

Develop large and numerous nodules or swellings on the roots of legume plants, which indicate the presence of strong, virile bacteria.

Increase the yield and quality of legume crops, giving quicker growth and earlier maturity.

Increase the food value of legumes.

Make legumes grow in new localities where they cannot otherwise be grown successfully.

Supply nitrates to other crops growing with the inoculated legume crop.

Enrich the soil for future crops.

Patented Stopper

By means of the ingenious tube which you can see in the bottle, Farmogerm culture which grow on jelly are supplied with filtered air and the moisture necessary to the bacteria is kept in the bottle. This is the only known method for supplying air to bacteria, which means that Farmogerm cultures do not lose their life and value in 10 days, 30 days or 6 months, like others, but remain strong, virile and efficient for years.

Write for pamphlet describing
Farmogerm and its uses

PRICES

Garden size.....	\$0.50
One acre size.....	2.00
Five acre size.....	8.00



Queen Colony Brooder

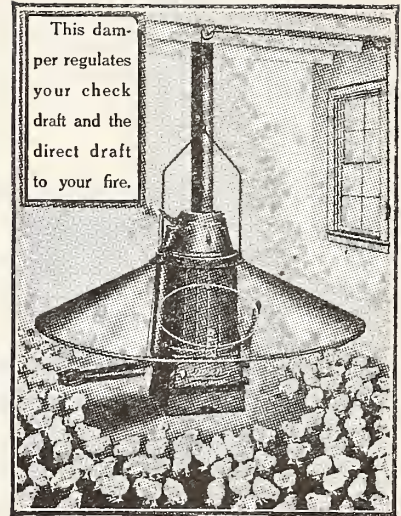
The Queen Colony Brooder is a new and improved design of brooder stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the Queen. The check rests on top of the stove and opens outward when fire is too warm, thus giving a gentle inflow of air to retard the heat. While the opening of the draft to increase the fire is located at the top of the stove, it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover.

No.	Capacity	Price
1.....	600 Chick	\$21.75
2.....	1200 Chick	27.75
	4-inch Pipe, per length.....	each 35c

The Queen System of Hotwater Heating prevents the drying out tendencies found in hot air incubators and provides a soft, uniform heat over every part of the egg chamber, a heat that is most natural to the hatching eggs.

There is a vast difference in coal burning brooder stoves. The Queen stove gives a satisfaction which cannot be found in other stoves. Write for catalog that you may learn why the Queen Colony Brooder is so popular with the poultryman who knows.



A TURN OF THE SWITCH

Winford Electric

A Turn of the Switch

is all the work necessary in operating a Winford Electric Hover. If you have access to electricity, direct, alternating or one of the several farm lighting systems, then you should not be without a Winford Electric. Write for descriptive circular.

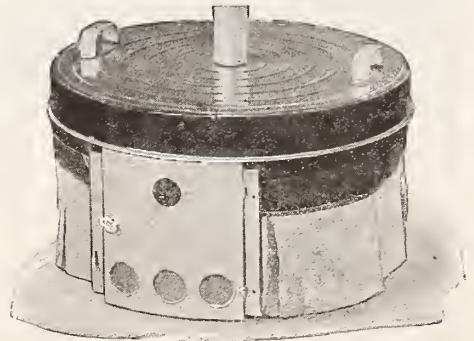
Size of brooders.	Each.
No. 1—Capacity 75 Chick.....	\$6.50
No. 2—Capacity 150 Chick.....	9.00
No. 3—Capacity 300 Chick.....	13.00
No. 4—Capacity 500 Chick.....	17.00

Economy Hover Brooder

Convenient—Safe—Economical

Metal portable hovers are superior to the old wooden brooders for the reason that they raise a larger percentage of healthy chicks, are more sanitary, safer, more portable, and more economical. The Economy Brooder Hover is complete in itself and can be used in any room or building. No platform, false floor, or other preparation is necessary. Made in two sizes.

No. 1 Economy Brooder Hover— 75 chicks. 14 lbs.....	\$8.00
No. 2 Economy Brooder Hover— 150 chicks. 32 lbs.....	\$11.00





Queen Incubators

In Eight Sizes

85 to 1,000 Egg Capacity

No. 1.	85 Egg Capacity	.....	\$26.50
No. 2.	135 Egg Capacity	.....	39.50
No. 3.	180 Egg Capacity	.....	45.00
No. 4.	275 Egg Capacity	.....	57.50
No. 5.	400 Egg Capacity	.....	67.50
No. 25.	600 Egg Capacity	.....	110.00
No. 35.	800 Egg Capacity	.....	140.00
No. 45.	1000 Egg Capacity	.....	180.00

Queen Hot Water Heating

The Queen system of hot water heating prevents the drying out tendencies found in hot air incubators and provides a soft uniform heat over every part of the egg chamber—a heat that is most natural for the hatching eggs. The circulation of water through the radiator prevents any moisture being added or taken away from the eggs. When it becomes necessary to remove the lamp the hot water circulating through the radiator maintains an even heat within the egg chamber without the slightest variation.

A Well Known Commercial Machine

Probably 60 per cent. of the incubators used in the State of Washington today are Queens. Ask the man or woman who owns one you will find them always enthusiastic for the good results obtained from the Queen.

An Incubator for the Amateur

During the summer of 1919 we tested out a 135 egg size Queen by turning it over to one of our employes who had never before had anything to do with poultry or incubators. He followed the direction book closely, and the results obtained was most gratifying. We wanted to satisfy ourselves that anyone could hatch out chicks if only they would use common sense and follow the directions given by the incubator company.

Construction

The Queen is the only Incubator that carries out the double redwood wall construction all around, and provides a double wall front, in the way of two separate doors. The outer door is a solid panel of Redwood that is hinged entirely independent of the inner door and is fastened with a sash lock that draws it tight, thus making the loss of heat impossible.

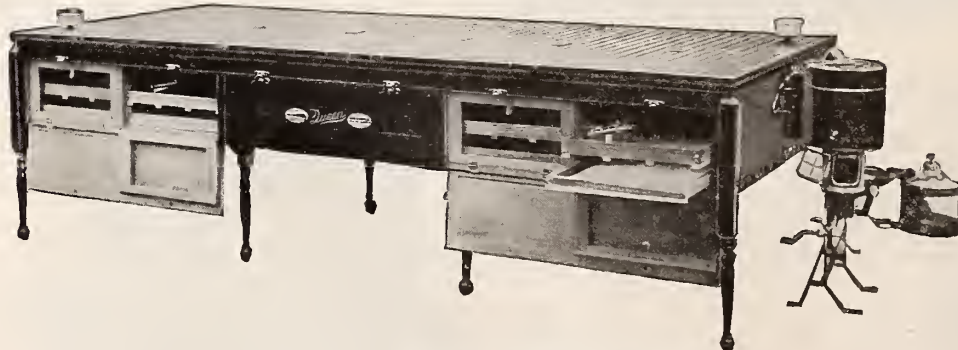
The inner door is also of redwood construction, containing a panel of glass the full length and height of the egg chamber.

Redwood does not absorb the odor from the hatching eggs. Cheaper woods, and pasteboard lining in iron and tin machines, retain the odors, to weaken and kill the hatching chick.

Queen Incubators are not cheap, but they are cheap in the long run. They will be turning out good hatches years after the cheap machines have been junked.

Dealers

We have made strenuous efforts to place a dealer in each city of any size in our territory. If there does not happen to be one near you, send your order in direct to us, and if we cannot conveniently fill from a dealers stock in your vicinity we will ship from Seattle.



1000 Egg
Size is
Largest
Incubator
Recommended for use
on the
Coast

Write for complete Queen Catalog



Certified Incubator Thermometer

The most accurate incubator thermometer made. After it has been thoroughly tested the scale is engraved on the glass tube, and a certificate showing the number and test of that particular thermometer accompanies each thermometer as a guarantee of accuracy. It may be used in any incubator, and may be either suspended on a wire or laid directly on the eggs. The thermometer is a vital part of the poultryman's outfit, for an inaccurate thermometer is very liable to prove exceedingly expensive.

No. 1207. Postpaid.....\$1.00



Standard Incubator Thermometer

The Standard Incubator Thermometer is most generally used, is thoroughly tested and entirely dependable. It is made by the Taylor Inst. Co., which is a guarantee of accuracy. This thermometer may be used in any style of incubator, and may be suspended on a wire, reclined on a base which accompanies some incubators, or laid on the eggs.

No. 1064. Postpaid.....75c

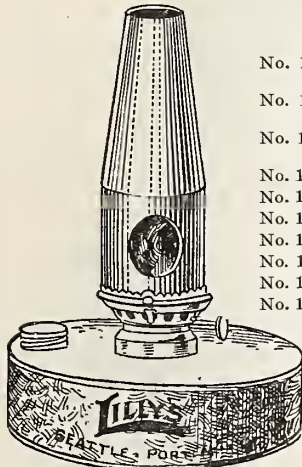
Standard Brooder Thermometer

This is the most generally used type of brooder thermometer. It has a metal scale on a wooden base, which fits into a round hole in the top of hover. The bulb is protected by a metal shield. Thoroughly reliable. No. 1062. Postpaid.....75c

LILLY'S Never-Smoke Brooder Lamp

The Never-Smoke Lamp is made especially for brooders not having a sleeve for the chimney to fit into, or other places where it is not practical to use a chimney. The Never-Smoke Burner does not require a chimney. The construction is such that it gives a large amount of heat with a minimum consumption of oil. There is a reservoir on top of the fount to be filled with water. Diameter of fount is 6 inches; height, including burner, 8 inches; Size No. 2, only.

- | | |
|---|--------|
| No. 1011. Never-Smoke Brooder Lamp, complete..... | \$1.75 |
| No. 1315. Never-Smoke Brooder Lamp Fount..... | .85 |
| No. 1325. Never-Smoke Brooder Lamp Burner..... | .75 |



Incubator and Brooder Lamps

- | | |
|--|--------|
| No. 1300. No. 1 Incubator and Brooder Lamp, complete. Diameter of fount, 6 inches; depth of fount, 2 3/4 inches; height, including chimney, 9 inches. Weight 1 lb..... | \$1.25 |
| No. 1301. No. 2 Incubator and Brooder Lamp, complete. Diameter of fount, 7 inches; depth of fount, 2 3/4 inches; height, including chimney, 10 inches. Weight 1 1/4 lbs..... | \$1.25 |
| No. 1302. No. 3 Incubator and Brooder Lamp, complete. Diameter of fount, 8 1/2 inches; depth of fount, 2 3/4 inches; height, including chimney, 12 inches. Weight 1 3/4 lbs..... | \$1.75 |
| No. 1310. No. 1 Fount..... | 75c |
| No. 1311. No. 2 Fount..... | 85c |
| No. 1330. No. 1 Chimney..... | 50c |
| No. 1331. No. 2 Chimney..... | 55c |
| No. 1332. No. 3 Chimney..... | 60c |
| No. 1320. No. 1 Burner..... | 25c |
| No. 1321. No. 2 Burner..... | 30c |
| No. 1322. No. 3 Burner..... | 65c |
| No. 1340. No. 1 Wicks, 5-8-inch, dozen..... | 20c |
| No. 1341. No. 2 Wicks, 1 -inch, dozen..... | 20c |
| No. 1342. No. 3 Wicks, 1 1/2-inch, dozen..... | 25c |

Write for List on Queen Incubator Lamps.

Barbee Wire Nests

Wire nests are sanitary, there being no place for mites. They may be hung on the wall, and are easily taken down for cleaning. Weight, 5 lbs. per dozen.

No. 107. Postage additional, each 20c; per dozen.....\$2.00

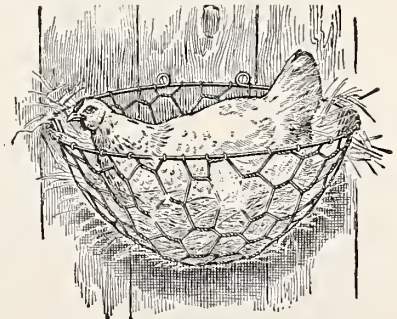
Egg Tester

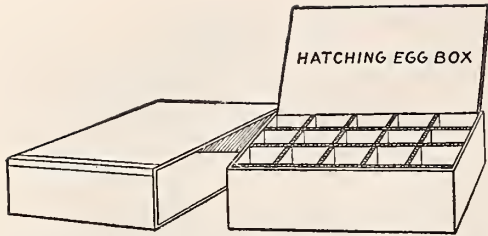
Simple, convenient, practical and cheap. It may be used on any lamp with a No. 1, 2, or 3 burner, or over an electric light or candle.

No. 1007.....25c

China Nest Eggs

No. 1019. Weight 3/4 lb. per dozen. Dozen, 35c; gross.....\$3.75

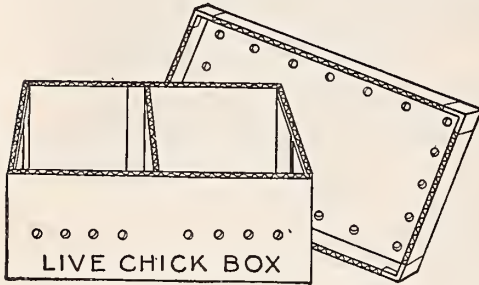




Hatching Egg Shipping Boxes

These boxes afford complete protection for high priced eggs for hatching when shipped by express or parcel post. They are made of corrugated strawboard, and comply with the Parcel Post Law.

No. 1012.	15 Egg Size, each 30c;	per dozen.....	\$3.00
No. 1013.	30 Egg Size, each 35c;	per dozen.....	3.60
No. 1014.	50 Egg Size, each 45c;	per dozen.....	4.80



Baby Chicks

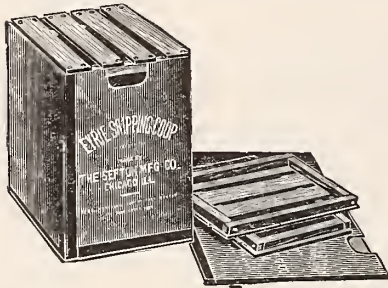
If you wish to buy baby chicks let us know. We have purchased the output of a number of hatcheries in and around Seattle and will be able to give you baby chicks from the very best of stock.

Baby chicks are very likely to be quite scarce when spring comes. As this catalog goes to press a great many of the large hatcheries are booked up for the major portion of their output.

Live Chick Shipping Boxes

These boxes are well made of heavy corrugated strawboard, with partitions and proper ventilating arrangements. In them baby chicks may be shipped safely to any distance and in any reasonable weather. We can furnish them in 25, 50 and 100 chick sizes. If wanted in large quantities write for quotation.

No. 1081.	25 Chick Size, each 25c;	per dozen.....	\$2.40
No. 1082.	50 Chick Size, each 30c;	per dozen.....	3.00
No. 1083.	100 Chick Size, each 45c;	per dozen.....	4.80



Eyrie Shipping Coops

The most generally used of all shipping coops for show and breeding birds. The top and bottom are made of wood; the body of heavy corrugated strawboard in one piece. It folds flat when not in use, making it convenient to store, and minimizing express charges when returned empty. Furnished in two sizes.

No. 1084.	12 12x22 for one large or two small birds, weight, 6½ lbs.; each.....	75c
No. 1085.	20x22x22. For two large birds; weight 10 lbs, each.....	\$1.00

Parcel Post Shipping Boxes

A Convenient and Safe Box for Shipping or Carrying Eggs

Parcel Post Shipping Boxes are made of heavy corrugated strawboard. In weight about the same as the hatching egg boxes but without the additional cover. These boxes can be used a number of times and will be found a convenient and economical means of shipping eggs by Parcel Post.

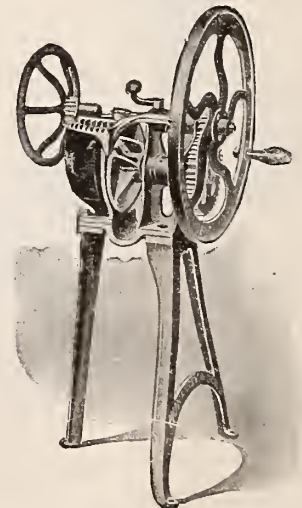
No. 1100.	One Doz. Size, each 12c;	per dozen.....	\$1.20
No. 1101.	Two Doz. Size, each 20c;	per dozen.....	2.00
No. 1102.	Three Doz. Size, each 25c;	per dozen.....	2.50
No. 1103.	Four Doz. Size, each, 30c;	per dozen.....	3.00
No. 1104.	Five Doz. Size, each 35c;	per dozen.....	3.50

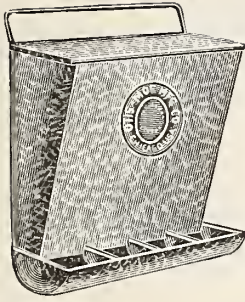
(Write for prices on larger quantities.)

Humphrey Green Bone Cutter

The Humphrey Green Bone Cutters are standard and are so well and favorably known that little introduction is necessary. It is sufficient to say that the Humphrey is the peer of any bone cutter manufactured. They are fully guaranteed by both the manufacturer and ourselves.

No. 1 Humphrey Green Bone Cutter. Hand Power. Hopper 4½x5 inches. Four knives. Shipping weight 120 pounds.....	\$15.00
Humphrey Dry Bone Shell Mill.....	4.00





Grit and Shell Boxes

Grit, shell and charcoal have now become a recognized essential part of the diet, insuring healthy fowls. They cannot be more economically supplied than in one of our compartment boxes. Made of heavy galvanized iron.

No. 1299, 3 Compt. Rd. Btm., each.....\$1.15
 No. 1290, 4 Compt. Rd. Btm., Ea.....\$1.50

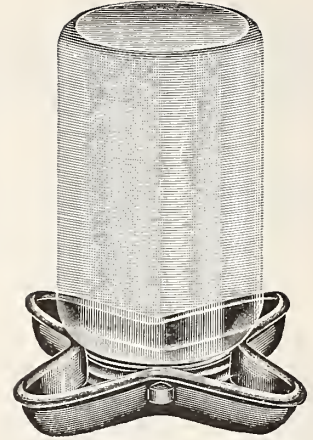


Wall Drink Fountain

A convenient style of fountain. Popular with some breeders. Can be hung on the wall of the poultry house out of the litter.

Style "A" made with removable bottom so that all parts can be easily cleaned. Greatly adding to their sanitation and durability. Easily filled. Manufactured of galvanized iron.

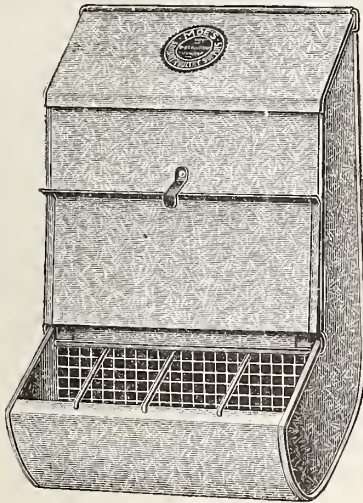
No. 1216-A—About 1-gal., capacity, each.....85c



Star Fount and Feeder

Will fit pint, quart or half-gallon Mason jars. Manufactured of one piece non-rusting metal. No parts to come unsoldered. Little chicks cannot get drowned. Can be used for feed as well as water.

No. 1215, without jar, each.....20c

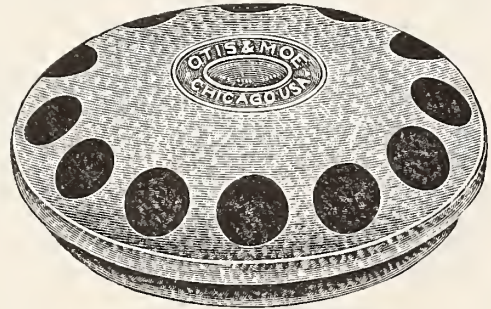


Dry Mash Hoppers

Does away with all trouble of feed clogging, no matter how coarse. The gradual enlargement to the base together with the vibration of the fowls feeding from the trough will force the feed downward. A well built hopper of the greatest merit.

No. 1235, 12 Qt., each..... \$1.50
 No. 1236, 18 Qt., each..... 2.10
 No. 1237, 36 Qt., each..... 2.75

If your name is not now on our list of Poultry Keepers better send it in, for you will then receive our Poultry Bulletins issued at frequent intervals



Round Baby Chick Feeder

A great feed saver, as the little chicks cannot get into it and contaminate the food. Cannot be upset. Can also be used for water or milk. A well made feeding device that will last for years.

No. 1211—6 in. diameter, each.....25c
 No. 1212—8 in. diameter, each.....40c

We carry a complete line of Moe's galvanized ware. Space does not permit us to catalog each item. A card will bring you their catalog as well as descriptive matter on any other item in the poultry supply line which we carry. The Round Baby Chick feeder is an exceptional seller and meets with great favor as the chicks cannot get into it to contaminate and waste the food.



Leader Adjustable Leg Bands

These may be adjusted to any size required, are made of aluminum, and are fastened very securely. To apply, the end is cut off to the correct length and they are then adjusted as shown in accompanying cut. Made in two sizes; No. 1 for small hens; No. 2 for males, large hens, ducks, geese, and turkeys. Be sure to state size required when ordering.

No. 1205. Leader Adjustable Leg Bands, No. 1 or No. 2, 25c, 30c; 100.....75c



Open Chick Bands

Used as temporary bands on little chicks until they are large enough to be properly banded. Made of aluminum. Sizes, No. 1 for small chicks, No. 2 for large chicks.

No. 1090. Open Chick Leg Bands, No. 1 or No. 2, 25, 25c; 100.....60c



Spiral Celluloid Leg Bands

SIZES	PIGEON AND BABY CHICK		POULTRY SIZE	
	SIZE			
Baby Chick	12 bands	\$ 0.10	12 bands	\$0.10
Pigeon	25 bands	.20	25 bands	.30
Bantam	50 bands	.40	50 bands	.50
Mediterranean (Leghorn)	100 bands	.75	100 bands	.85
American (R. I. Red)	500 bands	2.50	500 bands	3.60
Asiatic (Turkey)	1000 bands	4.50	1000 bands	7.00



Pilling Farmer's Caponizing Set

This set consists of Cutting Knife, Spreader Film Hook, Testicle Spoon, Probe, Cords with Hooks, and complete instructions.

Pilling Special Caponizing Set

Caponizing is being more extensively practiced by Northwestern poultrymen each year, and a good market for capons is being developed in this section.

No. 1025. Special Caponizing Set, postpaid.....\$4.50



Pettey's Poultry Punch

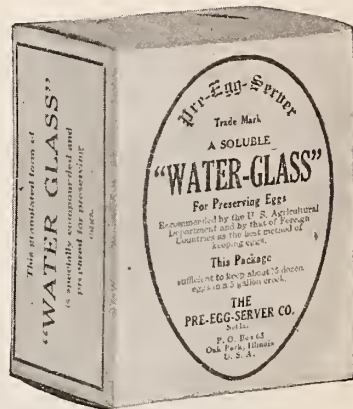
For marking little chicks by punching holes in various arrangements between the toes. It is light, strong, cuts clean, and fits between the chick's toes without bruising. No. 1322. Pettey's Poultry Punch, postpaid.....25c

Pre-Egg-Server—Waterglass

is recommended by the U. S. Agriculture Department and by that of foreign countries as the best method of keeping eggs. The package shown in this cut contains sufficient material to keep about 15 dozen eggs in a five gallon crock.

With eggs as high as they have been for the past several years, no one is overlooking the opportunity of putting up a few dozen or more during the spring when the price is at its lowest point. Pre-Egg-Server, which we are handling this year, makes a very easy means of shipping as this item can be sent by parcel post.

Price.....20c



In the past we have carried a great many different Leg Bands and have kept adding to our line, but we find on checking up the total sales that Celluloid and the regular bands such as the Leader No. 1 or No. 2 come very near to being about 95 per cent of our sales. We have, therefore, dropped several of our bands, which did not pay us to keep in stock. If you have something special we will be glad to hear from you and can possibly help you secure anything you may want in Leg Bands.

Gilt Edge Egg Scale

Grade your eggs with this handy Scale
Price, each.....\$2.00



Pratts ANIMAL and POULTRY REGULATORS and REMEDIES

SATISFACTION GUARANTEED OR MONEY BACK

An all year round help to profitable poultry raising. Keeps hens laying regularly summer and winter.

PRATTS POULTRY REGULATOR

helps the hens overcome the weakening effect of the molt, to put on new feathers quickly and get back to work.

And don't forget that pullets will develop more rapidly and begin laying at a much earlier date if Pratts Poultry Regulator is used.

Pkgs., 30c, 60c, \$1.20; also put up in 12 lb., 25 lb. and 100 lb. bags.



Keep your stock up to the mark—your horses ready for any work, your cows giving the maximum flow and hogs putting on pork. Add

PRATTS ANIMAL REGULATOR

to the daily feed—the standard stock tonic endorsed by authorities.

Pkgs., 30c, 60c, \$1.20; also put up in 12 lb., 25 lb., and 100 lb. bags.



Start them on it their first feed and keep them on it regularly as they grow—you'll see your baby chicks thrive as never before on

PRATTS BUTTERMILK BABY CHICK FOOD

A scientific food that gives youngsters the strongest kind of start. It's Life Insurance for Baby Chicks.

In packages and 14 lb., 25 lb., 50 lb., and 100 lb. bags.



Plenty of rich milk every day from cows in right condition—and right condition will be the rule every day if you mix

PRATTS COW REMEDY

with the feed daily. Insures health, increases milk production, prevents Abortion Barrenness, Garget, Milk Fever, Scours, Indigestion, Liver and Kidney complications.

Pkgs., 60c and \$1.20; 12 lb. pails, \$2.75; 25 lb. pails, \$5.00.



Prevent roup and colds—don't let them get even a start. At the slightest sign of a tell-tale "wheeze" put

PRATTS ROUP REMEDY (Tablets or Powder)

in the drinking water and repeat for several days, till danger's over. It's a healthful practice at any time.

30c, 60c, \$1.20.



Contented hens lay more eggs, look better and keep healthier. Keep them free from lice by day and on the roost by night, by using

PRATTS LICE KILLER

Spray roosts and walls with PRATTS RED MITE SPECIAL and mites cannot live. Most effective treatment known.

30c and 60c Pkgs.

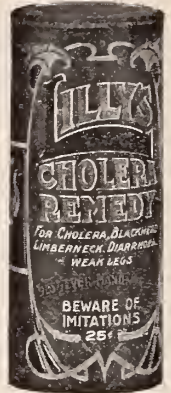
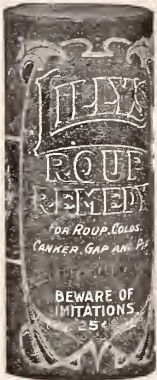


Pratts Red Mite Special.....	60c, \$1.10, \$2.00
Pratts Powdered Lice Killer.....	30c, 60c
Pratts Head Lice Ointment.....	30c
Pratts Poultry Disinfectant.....	1 qt. 70c, 2 qt. \$1.20; 1 gal. \$2.20
Pratts White Diarrhoea Remedy.....	30c, 60c
Pratts Chicken Cholera Remedy.....	30c, 60c
Pratts Condition Tablets.....	30c, 60c
Pratts Bronchitis Remedy.....	30c, 60c
Pratts Gape Remedy.....	30c, 60c
Pratts Sore-Head Chicken-Pox Remedy.....	30c, 60c
Pratts Scaly Leg Remedy.....	30c, 60c
Pratts Lice Salve.....	30c, 60c

Pratts Colic Remedy.....	75c, \$1.50
Pratts Liniment.....	30c, 60c, \$1.20
Pratts Distemper and Pink Eye Remedy.....	60c
Pratts Healing Ointment.....	30c, 60c
Pratts Healing Powder.....	30c
Pratts Heave, Cough and Cold Remedy.....	60c, \$1.20
Pratts Prepared Worm Powder.....	60c, \$1.20
Pratts Bag Ointment (for cows).....	35c, 75c
Pratts Hog Tonic.....	2½ lb. pkg. 60c; 7 lb. pkg. \$1.20, 100 lb. bags.....\$10.00
Pratts Fly Chaser.....	2 qt., \$1.10; 1 gal., \$2.00
Pratts Dip and Disinfectant.....	Qts., 70c; 2 qts., \$1.20; gal., \$2.20

Roup Remedy

Roup is the most common and most easily contracted of all diseases among poultry. It is a germ disease and the source is usually a cold. If colds are attended to promptly they can be easily cured, but if neglected they are liable to develop into roup. The symptoms of roup are froth and bubbles in the corners of the eyes, sneezing, and a watery discharge from the eyes and nose. When the head swells, eyes bulge out, cheesy masses form in the throat, mouth and beneath the eyelids, and there is a bad odor, the disease is known as diphtheritic roup. It is highly contagious. Lilly's Roup Remedy prevents and cures Roup, Blackhead, White Comb, Canker, Sore Head, and other bacteria diseases. Postage additional.....25c



Cholera Remedy

Fortunately, cholera is not prevalent in this section. There is, however, a form of diarrhoea that resembles cholera, and is often fatal. Lilly's Cholera Remedy should be used in all cases of diarrhoea. It is valuable for indigestion, constipation, and all bowel troubles in adult fowls. It should not be used for young chicks. Postage additional.....25c



Lice Ointment

EFFECTUALLY DESTROYS HEAD LICE ON YOUNG CHICKS.

Young chicks are very subject to head lice. These parasites attach themselves to the young and tender birds at the base of the skull, and are responsible for much mortality among chicks. Lice Powder is useless to dislodge them, for they sink their heads deep into the birds. Postage additional...25c

SODIUM FLUORIDE.

is recommended by the U. S. Government as an almost sure cure for lice on fowls when properly applied.

4 oz. Package.....25c
8 oz. Package.....50c

Lice and Mite Liquid

EFFICIENCY GUARANTEED

Disposes of the Poultryman's Greatest Enemy

Are your poultry houses infested with mites? If not you are more fortunate than most poultrymen. But, are you sure? Are your hens laying well? Are they healthy and full of life? Are their eyes bright, combs red, and feathers glossy? We receive many inquiries for drugs to dope poultry for some disease such as cholera when investigation proves that there is nothing the matter with the birds except mites or lice. Some take it for granted that because they see no mites, there are none; others consider them a necessary evil, and believe that they must make the best of an unfortunate condition. Many of the failures in the poultry business are due directly to lice and mites. No louse-infested poultry plant is profitable. They are more prevalent and require closer watching than any disease, and by debilitating the birds, are the cause of most disease.

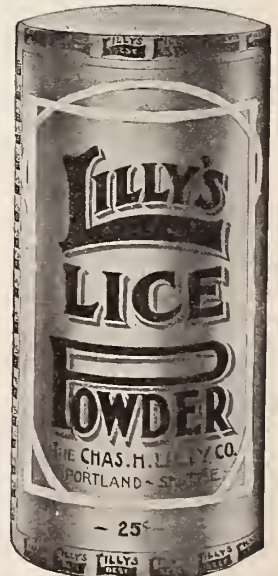
Mites, the greatest drain on the poultryman's profits, are not necessary, and should not be tolerated. Lilly's Lice and Mite Liquid is guaranteed to destroy them if used according to directions.

It is ready for use and does not require diluting. It is best applied with a small spray pump, and should be sprayed on roosts, dropping boards, nests, and all places where mites can hide, giving special attention to cracks and corners. It must not be applied directly on the birds. It should be applied at frequent intervals, to kill the young as fast as they hatch. It should be used as a preventative; don't wait until the insects get a start. Quart, 50c; Half Gallon, 85c; Gallon, \$1.50; Five Gallons \$3.75.

LICE POWDER

EFFECTUAL WHERE LIQUID CANNOT BE APPLIED.

We recommend the use of Lilly's Lice and Mite Liquid wherever it is practical, but in some cases, such as for setting hens, young chicks, exhibition birds, etc., the liquid cannot well be used, and Lilly's Lice Powder is the best substitute. Before a hen is set, she should be held up by the legs and dusted thoroughly. The nest should also be dusted. This will avoid three weeks' torture for the hen, she will not desert her nest, and the chicks will not inherit lice. Brooders and houses where chicks are kept should be dusted frequently. It is also valuable for exterminating insects on dogs, cats, and other animals, also on plants. Carton (about 1 lb.).....25c



Fly Liquid

COMFORT FOR STOCK; PROFIT FOR THE OWNER.

If dairymen could realize the enormous losses caused by flies they would exert every effort to exterminate the pests. Nothing is more loathsome and filthy than the common fly; nothing is saced to his germ-laden feet and antennae. Even the most tender hearted will have no regrets for the destruction of the fly, for no one has been able to discover any service that it has rendered mankind. He unmercifully robs the dairyman and stockman of great amounts of money, for cows cannot secrete milk, and heef stock cannot put on flesh while fighting flies. Horses and other stock are less efficient and it costs more to keep them in condition when annoyed by flies. They are a nuisance to the housewife, and much sickness must be traced directly to them.

Most of the fly troubles can be overcome by the use of Lilly's Fly Liquid. If sprayed on cows or other stock once or twice a day, flies will not annoy them. By spraying screens, stable floors, manure piles, garbage cans, and other places where flies congregate, they will be eliminated and breeding curtailed.

Unless you protect your stock you are spending money for feed to fight flies and mosquitoes. It is impossible to get away from this fact. Part of it the flies get by sucking the blood and the rest with the energy they spend fighting pests. Therefore, these same flies keep milk out of your pail, keep your stock scrawny, discontented, and make it unpleasant for all concerned.

Lilly's Fly Liquid is easily applied with one of the inexpensive hand sprayers, Holly or Continuous, listed in the spray section of this catalog. In the absence of a suitable sprayer it may be ruhned on with a cloth. The liquid is ready to use, and is not to be diluted.

Quarts, 50c; Half Gallon, 85c; Gallon, \$1.50; Five Gallons, \$3.75.



Cow Conditioner

A REGULATOR FOR CATTLE.

A tonic and regulator which keeps the cow in perfect physical condition, reducing to the minimum the percentage of undigested food, from which the cow would receive no benefit. It is intended for cattle only, is not a cure-all and should not be given to other stock. By improving the health and vitality of the cow the milk yield is increased and such ailments as abortion, barrenness, milk fever, retained afterbirth, scours, etc., are prevented. It is equally valuable for calves, making them vigorous, strong and healthy; it will put vim in the hull, and will aid in fattening heef stock. If you are not entirely satisfied with the results we will refund you money

Price: Small Carton (about 1½ lbs.), 25c; Large Carton (about 3½ lbs.), 50c; F. O. B. Seattle or Portland.

Page 73 of this catalog will give you prices and information on Pratts full line of remedies. We are distributors for this line in Western Washington and will carry a complete supply at Seattle.

Stock Tone

A CONDITIONER FOR HORSES, HOGS AND SHEEP

The use of a stock tonic is not to be considered drugging. It is to take the place of herbs and medical properties that would be obtained in the pasture if they were allowed to graze naturally. Under the unnatural conditions in which stock is usually kept a regulator is quite essential.

Two tablespoonfulls of Lilly's Stock Tone each day will keep a horse in perfect health, acting as a preventative against disease. When the horse needs toning up, a few doses will give him new life, tone up the system, carry off the waste matter, promote healthy secretion, regulate the kidneys, give him a glossy coat and bright eyes, and put vim into him. It is especially valuable for hogs and sheep, and by keeping them in good condition will prevent disease and lessen the cost of fattening. Price: Small Carton (about 1½ lbs.), 25; Large Carton (about 3½ lbs.), 50c. Postage additional.

Almost without exception, a dealer in nearly every city carries a full line of Lilly's Poultry and Stock Foods. If you are not located convenient to such a dealer, write us for our latest price list covering such feeds.



BLACK LEAF 40

A concentrated solution of nicotine sulphate guaranteed to contain forty per cent nicotine. It is highly recommended for the destruction of Aphis and other soft bodied sucking insects. Also an excellent dip for animal parasites, such as scab and lice on sheep and cattle, sheep ticks, etc.

This is the best and most convenient form of tobacco spray. It is uniform in strength, and by adding the correct amount of water there is no danger of making it so strong as to be harmful or so weak as to be useless. Directions for using accompany each can. Being a poison, it cannot be shipped by parcel post.

1 oz. Makes about 6 gals. spray.....	\$0 25
1/2 lb. Makes 40 to 150 gals. spray.....	1.00
2 lbs. Makes 160 to 600 gals. spray.....	3.25
10 lbs. Makes 800 to 3,000 gall. spray.....	13.75

NIKOTEEN

A refined nicotine liquid insecticide for fumigating and spraying. It is a very powerful solution, 30% chemically pure nicotine, and will kill all insects affected by tobacco. Among the insects most susceptible to nicotine poisoning are Aphis or Plant Lice, Thrip, Apple Aphis, Black Peach Aphis, Currant Leaf Hopper, Rose Leaf Hopper, and Melon Louise.

It is colorless and stainless, and when properly applied cannot harm plants, shrubs, fruit trees, etc. In greenhouses and conservatories it is vaporized by painting on steam pipes or by blowing live steam through a solution containing Nikoteen. By this method fumigation costs 4 cents for each six hundred square feet of floor space. For most outdoor work, and sometimes under glass, it is applied by spraying. Write for circulars.

Cannot be shipped by parcel post

8-lb. Bottle.....	\$13.00
4 lb. Bottle.....	7.00
1-lb. Bottle.....	2.00
1/2-lb. Bottle.....	1.10
1 -oz. Bottle.....	.55

JILLYS Tobacco and Soap Compound

A liquid tobacco and soap compound for the destruction of aphids and other plant lice. Especially useful on rose bushes and house plants. One bottle makes three gallons of spray. Cannot be shipped by parcel post.

Price, 7-oz. bottle.....25c

Aphis Punk

A nicotine paper for fumigating green houses and other places where the fumes can be confined. It is composed principally of nicotine, wood pulp and chemicals that assist and control the burning of the pulp and vaporizing of the nicotine. Always uniform and effective. Write for circulars. It may be shipped by parcel post.

Can of 12 sheets. Weight 1 lb.....	\$0.75
Case of 12 cans. Weight 8 lbs.....	8.50

Fumigating Tobacco Powder

A finely ground tobacco powder for burning in green houses and other places where the fumes can be confined. 100 lbs., \$9.00; less than sack lots, per lb.....10c

Dusting Tobacco Powder

For applying as a dust spray for Aphis and other soft bodied insects outdoors or where fumes cannot be confined. 100 lbs., \$9.00; less than sack lots, per lb.....10c

Arsenate of Lead Powder

Arsenate of Lead Powder is different from any other arsenate of lead. It is not a paste that has been dried and ground; it is a precipitate, and is so fine that it will mix with water readily, will not lump, and when used as a dry spray will stick to the dry leaves. It is the strongest and most effective, as well as the safest and easiest to use.

By a special process there is combined properly with lead 32 1/2 to 33 1/2 per cent arsenic oxide with less than one-half of one per cent free arsenic. Arsenic oxide is the active agent; free arsenic will injure the foliage if in excess. This gives a killing strength much greater than that of other brands, and consequently much less is required to do the work.

This is the original form of dry arsenate of lead suitable for both wet spraying and dusting, and the only form that is not granular or crystalline.

Being dry, you do not pay freight charges on the forty to sixty per cent of water which all paste forms contain.

It is indestructible; age does not impair its value. Everyone familiar with spraying knows the annoyance of using old pastes, and that the lumps that remain in the tank are useless. This annoyance does not exist with Electro Arsenate of Lead Powder. It is always in fine mechanical condition, does not lump, is free from granulation or grit, and there is no waste.

PRICES

1/2-lb. Carton, each.....	30c
1-lb. Carton, each.....	50c
10-lb. Drum, per lb.....	45c
25-lb. Drum, per lb.....	40c
50-lb. Drum, per lb.....	37c
100-lb. Drum, per lb.....	35c

F. O. B. Seattle or Portland.



Soluble Sulphur Compound

The Sulphur Spray Perfected

EQUALLY AS EFFECTIVE AS LIME-SULPHUR SOLUTION MORE
CONVENIENT—LESS EXPENSIVE

Soluble Sulphur Compound is the old standard sulphur spray with the water left out, making it more convenient to handle and reducing freight charges. It is a dry powder; easily dissolved in either cold or hot water. It is used in the same way as lime-sulphur solution, is fully as effectual in every way and superior in many ways. There is no sediment; no grit to wear out pumps and clog nozzles; no freezing; no crystallization; no leakage; no loss. If the can is kept tightly closed it will keep indefinitely, and any that is left over at the end of the season can be used the next year.

A one hundred pound drum of Soluble Sulphur is equal to a six hundred pound barrel of lime-sulphur solution, saving five hundred pounds freight charges hauling and handling.

Soluble Sulphur Compound is powdered by a fusion process, not by boiling, whereby sulphur is combined with soda ash, a true solvent. The result is a perfectly soluble compound high in sulphur as polysulphides. This compound is analogous in chemical form to the calcium polysulphides of a high-grade Lime-sulphur solution.

The sodium polysulphides are superior, for soda is used extensively in the manufacture of soaps because of its grease cutting property. As used in forming Soluble Sulphur Compound this grease cutting characteristic reinforces the primary insecticidal value of the sulphur, forming a superior insecticide and fungicide surpassing either material alone, or other combinations such as lime-sulphur.

Soluble Sulphur Compound is used for the same purposes and in the same manner as lime-sulphur solution. Where one gallon of Thirty-three Degree Lime and Sulphur Solution would be used, two pounds of Soluble Sulphur Compound are used instead. It is simply sifted into the tank of water while being stirred. It dissolves readily, and after being stirred a few moments will remain in solution an indefinite time. It should be mixed with a large volume of water only, and should not be mixed with a small quantity of water before being placed in the tank.

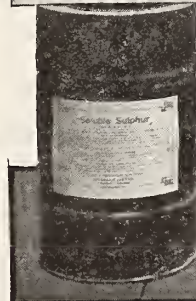
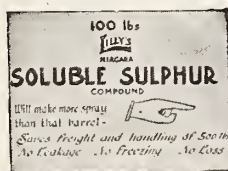
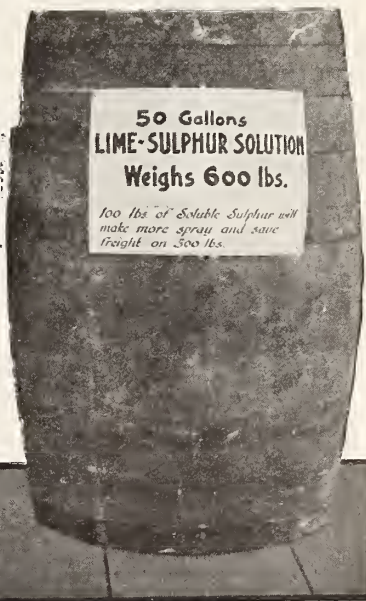
For estimating the amount required, those who have used lime-sulphur solution should order a one-hundred-pound drum of Soluble Sulphur instead of each fifty-gallon barrel of lime sulphur solution used in the past. For average use, one hundred pounds of Soluble Sulphur Compound will be sufficient for one application on two acres of orchard.

When Soluble Sulphur Compound is used as a summer spray, our directions for using that purpose should be followed very closely.

Complete instructions for using Soluble Sulphur are enclosed in packages. We will be glad to mail our Spray Bulletin, free, on request.

1-lb. Can.....	\$0.25
10-lb. Can.....	1.75
25-lb. Can.....	3.25
100-lb. Drum.....	10.50

F. O. B. Seattle or Portland.



Page 78 of our catalog lists and describes the Compressed Air Sprayers which we carry in stock and recommend. The 3-D Auto No. 1, and No. 5 are popular machines, and have been sold quite extensively by us for a number of years past.

They are manufactured by a large and reliable company and we can say for them that they will cheerfully make good on any pump which, through workmanship or material, should prove defective.

Lime and Sulphur Solution

Best of Old Style Sulphur Sprays

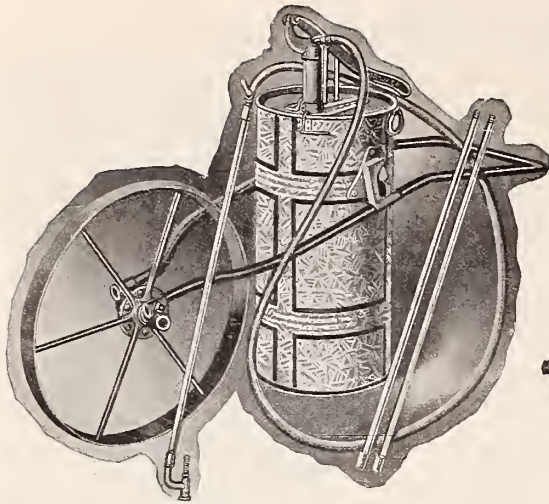
For those who prefer the old style sulphur spray we can furnish Lime and Sulphur Solution. It has been used by the orchardists of the Northwest for many years, and has long been the standard sulphur spray.

It is a clear, cherry-red solution, free from sediment, and tests

32 degrees Baume, which is as concentrated as it is possible to make a lime and sulphur solution which will remain in solution.

One-gallon Can.....	\$0.75
Five-gallon Can.....	2.50
Barrel (about fifty gallons).....	13.00

F. O. B. Seattle or Portland.

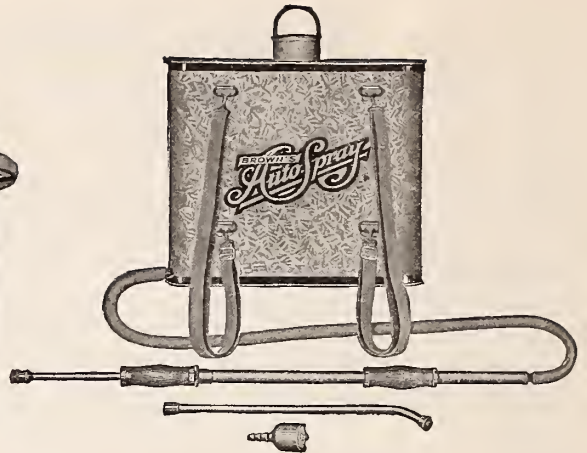


No. 3-D Auto-Spray

CONVENIENT TO MOVE ABOUT

This is the best and most convenient outfit for general spraying and whitewashing. It is light, compact, convenient to handle and easy to operate. The tank holds fifteen gallons, and is mounted in such a way that the liquid will not slop or spill. The air chamber is extra large, and a uniform pressure of 150 pounds is easily maintained. The pump barrel is 1 3/4 inches in diameter and 7 inches long. The plunger is brass. The packing may be tightened without removing. The outfit includes 10 ft. of 3-8-in. pressure hose, 8 ft. pipe extension, Ideal nozzle, brass shut-off cock. Shipping weight, 60 lbs. Price.....\$22.00

Spray calendar, prepared by E. R. Crosby and M. C. Leonard of Cornell University, will be mailed free on request



Auto-Spray No. 5

KNAPSACK SPRAYER OR BUCKET PUMP FOR GENERAL SPRAYING OR WHITEWASHING

This is a splendid outfit for general spraying and for whitewashing. It may be used either as a bucket pump, barrel pump, or in connection with tank, as shown in above cut, as a knapsack sprayer. It is furnished either with or without the tank. With the tank it is especially useful for whitewashing poultry houses, as there is no bucket to move around.

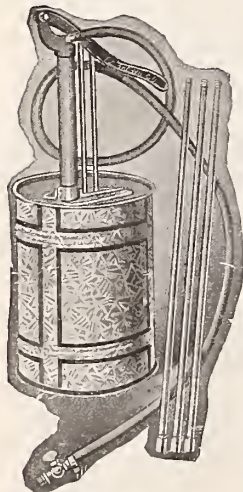
The pump is made entirely of brass. It has two ball valves so arranged that they may be instantly cleaned. The pump is double acting and will generate a pressure of 180 lbs. It is equipped with 3 1/2 feet of 3-8-inch suction hose and a heavy strainer.

A curved extension is furnished extra when desired. The knapsack tank is also extra, and is essential where the sprayer has to be continually moved about.

Auto-Spray No. 5, pump, hose, nozzle, and strainer, complete. Shipping weight 4 lbs.....\$5.00

Galvanized Iron Knapsack Reservoir. Shipping weight 7 1/2 lbs. Additional.....\$3.50

Curved Extension. Shipping weight 1 lb. Additional..... .75



No. 3-B Auto-Spray

Auto-Spray No. 1

A POPULAR KNAPSACK SPRAYER

A compressed air sprayer without the faults so common in many knapsack sprayers. In addition to handling the usual spray solutions, it will handle water paints, Bordeaux mixture, etc. It is made of extra heavy galvanized steel, and is built like a boiler; the top head is convex and the bottom concave flanged and riveted to the shell. All construction is of the best.

The tank is 7 inches in diameter and 20 inches long, capacity 3 1/2 gallons. The pump is made of seamless brass tubing, 1 1/4 inches in diameter and 15 inches long. It is equipped with a Shut-off Valve, a Non-Clogging Nozzle, and 24 inches 3-8-inch spray hose. Weight empty, 7 lbs. Price.....\$6.75

No. 3-B Auto-Spray

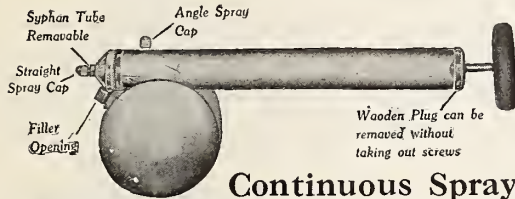
WHITEWASH SPRAYER.

Especially designed for whitewashing, but equally valuable for any other kind of spraying, and one of the best general purpose sprayers on the market. The heavy galvanized steel tank holds eight gallons of solution. The pump is made of brass and is very powerful. Equipped with 8 ft. spray hose, 8 ft. extension, stop-cock, and Perpetual nozzle. Shipping weight, 40 lbs. Price.....\$15.00



Lilly's Holly Sprayer

This sprayer is made especially to our order, and in material, construction, model, and efficiency it is superior to other similar sprayers. It is made of heavy tin, is extra strong, the reservoir holds a full quart of liquid, and the plunger is of better construction and material. It is the handiest sprayer for all small work and for applying Fly Liquid and Lice Liquid. Price.....50c

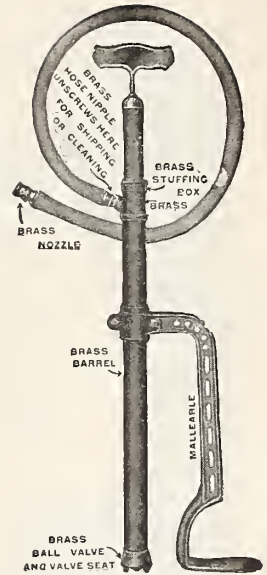


Continuous Sprayer

For the same purposes as the Holly Sprayer, and will spray Fly Liquid, Lice Liquid, and any to the other insecticides and fungicides in common use. Capacity of tank, one quart. It has an air chamber which makes the pressure continuous, throwing a fine steady spray. It has two nozzles, one for throwing spray at an angle. Price.....90c

No. 6 Bucket Pump

This is the best and most powerful pump of the kind on the market. It is made of seamless brass tubing. The cylinder is extra large and is made of seamless brass tubing. The valves are bronze balls. It is equipped with three feet of half-inch spray hose and an interchangeable nozzle which, when reversed, will spray whitewash or Bordeaux mixture. Weight 5½ lbs. Price.....\$4.75



Brass Lined Bamboo Extension

A brass tube inside a bamboo rod; about ten feet long. Very strongly made. Fitted with brass stop-clock and connection or nozzle. ¼-inch standard pipe threads 10x12 ft. lengths. Price.....\$3.75

Lilly's Lime and Sulphur

Gallons	each, \$ 0.75
Five Gallon Cans	each, 2.50
Barrels	each, 13.00



Powder Spray

For applying any kind of insecticide, fungicide, or disinfectant in powder form. The ball valve in end of cylinder is positive in its action, and it is impossible to draw any powder into the cylinder. The powder can hold one quart. Well made of heavy tin. Price.....90c

Bordeaux Nozzle

The best nozzle for spraying Bordeaux mixture or whitewash. Makes a flat spray or a solid round stream.

No. 965.....\$1.00

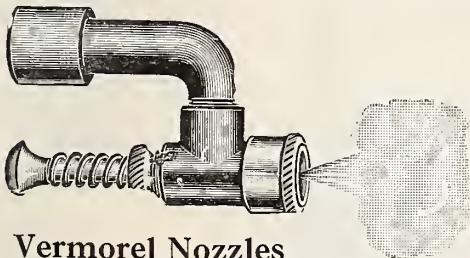
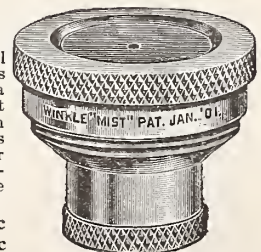


Fog Nozzle

A very superior nozzle for general spraying. It has no projecting parts to catch on limbs, and produces a perfect mist covering a wide area. It is made of brass and aluminum, with removable steel discs. Two steel discs are furnished with each nozzle, one for coarse and one for fine spray. Furnished with either straight or angle neck.

No. 107. For Nozzle, Straight...75c

No. 108. For Nozzle, Angle...75c

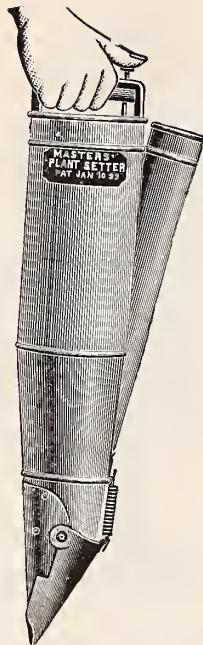


Vermorel Nozzles

These nozzles are furnished either single, like above cut, or double, two nozzles attached to one stem. They are made of brass and are fitted with a steel disc and a disgorger with which they are easily cleaned.

No. 26. 1 Point Vermorel Nozzle\$1.25

No. 27. 2 Point Vermorel Nozzle 1.50



Master's Plant Setter

The only practical tool for transplanting all kinds of plants, TOBACCO, TOMATO, CABBAGE, SWEET POTATO, CAULIFLOWER, PEPPERS, EGG PLANT, STRAWBERRIES and all similar plants.

Each plant is set, watered and covered in one operation without any stooping or lame hacks.

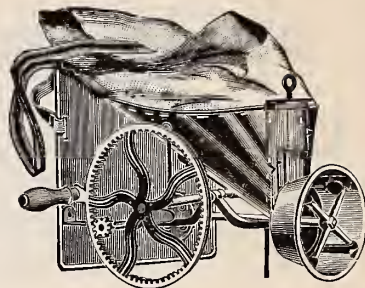
With The MASTERS RAPID PLANT SETTER one man will set 8,000 to 15,000 plants per day. This is more than three men can do by hand and is very much easier.

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water into the ground. This is "Nature's own way." The shock of transplanting is reduced to a minimum. The tiny roots are sucked into the ground almost as though they grew there and the plant takes hold and starts to grow at once. You will scarcely lose a single plant in the whole field even in hottest and driest weather.

DON'T WAIT FOR SHOWERS.

You can set your plants just when you are ready with the MASTERS RAPID PLANT SETTER and you will have a full stand of plants every year and never fail.

Price each.....\$5.50



CAHOON BROADCAST SEEDER

The most accurate and durable hand broadcast seed sower. Sows grass, clover and grain seeds evenly and rapidly. Strongly made of steel, iron and brass, and will last a lifetime. Every machine is fully warranted. Weight 6 lbs.....\$5.00

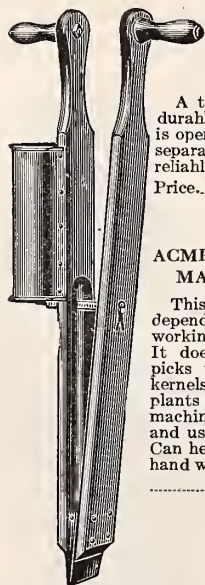
SEE PAGES 65 AND 66

LILY'S

Morcrop Fertilizer

AND OTHER PLANT NUTRIENTS

We have discontinued plants and bulbs, for shipment on mail orders, although our retail store at First and Cherry Street carries a good many of these items in season. We have made a purchase of Loganberry bushes which will permit our offering them in almost any quantity and at prices which will interest you. The store also carries a full line of garden implements, and customers who do their shopping in the city should make it a point to come in.



ACME CORN PLANTER

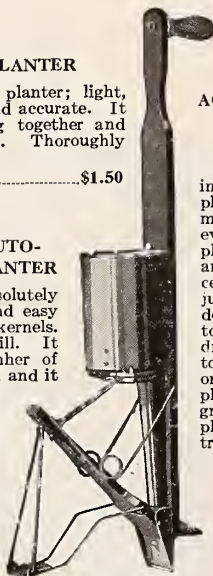
A two-handed corn planter; light, durable, well made and accurate. It is operated by bringing together and separating the handles. Thoroughly reliable.

Price.....\$1.50

ACME ROTARY AUTO-MATIC CORN PLANTER

This planter is absolutely dependable, accurate and easy working. It counts the kernels. It does not miss a hill. It picks up just the number of kernels that it is set for, and it plants them right. The machine is easy to carry and use; it hangs right. Can be used with either hand without changing.

.....\$2.50



ACME TUBULAR POTATO PLANTER

This is the original tubular potato planter, and is the most satisfactory in every way. It plants any size seed, any number of pieces, and at an adjustable uniform depth. The operator stands upright, drops the seed in top of tube, steps on hopper to force planter into the ground, and tips planter forward to trip it.....\$1.75

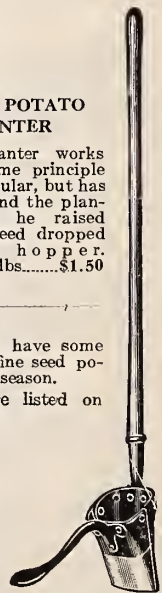


HAND POTATO PLANTER

This planter works on the same principle as the Tubular, but has no tube, and the planter must be raised and the seed dropped into the hopper. Weight, 3 lbs.....\$1.50

We will have some especially fine seed potatoes this season.

They are listed on page 27.



Acme Corn Planter

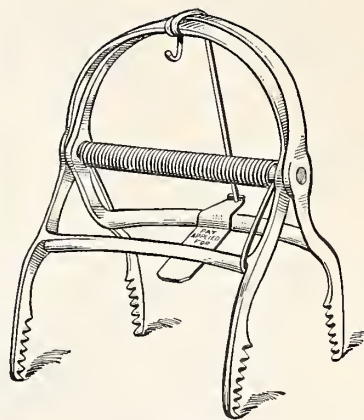
Acme Rotary Automatic Corn Planter

Tubular Potato Planter

Acme Hand Potato Planter

Out O'Sight Mole Trap

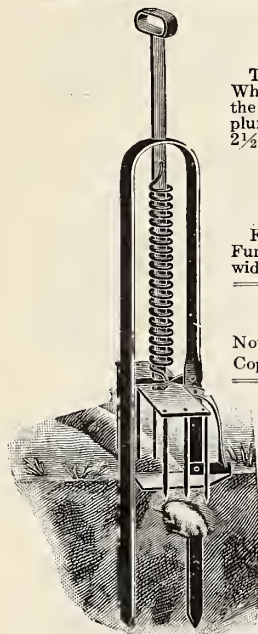
This mole trap is neat and effective. Not unsightly on the lawn. No mole can pass under it and live. Weight 1½ lbs. Price.....\$1.00



Out O'Sight

Reddick Mole Trap

This is the surest, strongest, simplest and safest mole trap. When set over a regular runway the mole is bound to be caught the next time he goes through. It is set by simply pulling up the plunger rod. Made of heavy cold rolled steel, galvanized. Weight 2½ lbs. Price.....\$1.00



Reddick

Tree Labels

For labeling trees, plants, etc. Made of white pine, painted. Furnished either with or without wire. 3½ inches long, ½ inch wide.

Style.	Weight		Price	
	100	100	1000	1000
Notched, not wired.....	6 oz.	\$0.20	\$1.35	
Copper wired.....	7 oz.	.30	2.30	

Garden Stakes

For marking or labeling rows in the garden. White pine painted white, 12 inches long, 1¾ inches wide. Wt. 2½ lbs. per 100.

Prices: 100, \$1.30.

No. 44 Gopher Trap

A box and spring arrangement for catching gophers and other rodents. Simple and effective. Weight, 1 pound. Price, 35c each.



Pot Labels

For labeling trees, plants, etc. Made of white pine, painted. Furnished either with or without wire. 3½ inches long, 5-8 inch wide.

Style.	Weight		Price	
	100	100	1000	1000
4 x 5¼ in.....	5 oz.	\$0.20	\$1.50	
5 x 5¾ in.....	6 oz.	.20	1.75	
6 x 5¾ in.....	8 oz.	.30	2.00	
10 x 5¾ in.....	16 oz.	.45	4.75	
12 x 5¾ in.....	20 oz.	.65	7.00	

Grafting Wax

Our own make, very superior quality. Packed in one-pound packages only. One pound35c



Neponset Paper Pots

Made of heavy waxed paper. Splendid for handling and shipping plants. Unbreakable, light, and economical. Samples will be mailed on request.



Size.	Weight		Price	
	1000	100	100	1000
2¼ inches.....	15 lbs.	\$0.45	\$4.50	
2½ inches.....	18 lbs.	.55	5.00	
3 inches.....	28 lbs.	.80	7.50	
4 inches.....	50 lbs.	1.30	12.50	

Permanite

THE PROVEN ANSWER TO YOUR GLAZING TROUBLES

Permanite is so well known to the greenhouse people that it needs no introducing from us. We have taken on this staple line and can furnish you Permanite in the following size packages:

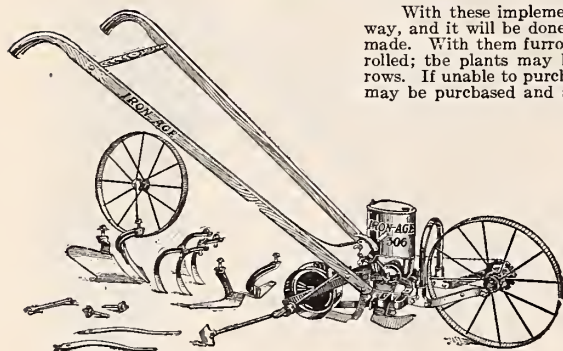
1-gal. Cans Permanite, each.....	\$2.25
5-gal. Kegs Permanite, each.....	11.00
15-gal. Kegs Permanite, each.....	31.50
20-gal. Kegs Permanite, each.....	42.00
½-Bbl. Permanite (40 gal.), each.....	80.00
Permanite Machine (new style), each.....	6.75

Write for complete circular covering Permanite.

IRON AGE GARDEN IMPLEMENTS

More and Better Work With Less Labor

With these implements ten times more work can be done than in the old back-breaking way, and it will be done better. With the various attachments many combinations may be made. With them furrows may be opened up, seed sown in either hill or drills, covered and rolled; the plants may be hoed, cultivated, raked or ridged, either astride or between the rows. If unable to purchase a complete equipment at one time one of the lesser combinations may be purchased and added to at any time.



No. 7 Hill and Drill Seeder

This is the same as No. 306, without hoes, plows, or cultivator teeth. Those attachments may be added to it at any time if desired at prices shown for attachments. Price.....\$17.50

No. 306 Double and Single Wheel Hoe, Hill and Drill Seeder

As a seeder it will sow practically any kind of seed, including beet and chicory, in either drills or hills. It may be used with one wheel as a drill or to cultivate between rows, or with two wheels to cultivate astride the rows. The seeder attachment is easily removed and it is then the same as the No. 301 Double and Single Wheel Hoe. Equipment includes Figure 146, Hill and Drill attachment, two hoes, two plows, and four cultivator teeth as shown in the accompanying cut. Weight 57 lbs. Price.....\$24.90

No. 314 Hill and Drill Seeder

WITH HOES and TEETH

The same as No. 7 with two hoes and four cultivator teeth added. In other words, it is the same as No. 306 without plows. Pr. \$23.25

No. 304 Drill Seeder and Double and Single Wheel Hoe

This differs from No. 15 only in the seeder attachment, which sows the seed in continuous drills only. It is equipped with Fig. 133 Drill Seede, one Landside Plow, two Hoes, and three Cultivator Teeth. Shipping Weight 45 lbs. Price.....\$23.80

No. 303

Double and Single Wheel Hoe

Has Hoes only. Same as No. 301 without plows, and cultivator teeth. Price.....\$10.30

No. 301

Double and Single Wheel Hoe

May be used with one wheel to work between rows or with two wheels to work on both sides of row. It is equipped with two hoes, two plows and four cultivator teeth, and is the same as No. 306 and 304 without seeder attachments. Fig. 146 Hill and Drill Seeder attachment or Fig. 333 Drill Seeder attachment may be added at any time. Price.....\$15.00

No. 316

Double and Single Wheel Hoe

Equipped with two hoes and four cultivator teeth the same as No. 301, without plows. Price.....\$13.50

No. 27 Double and Single Wheel Garden Disc Cultivator

The same as No. 301 except that it has no Hoes, but is equipped with Fig. 369 Garden Disc Cultivating Attachment, two Plows and four Cultivator Teeth. Price.....\$14.50



No. 316

Hill and Drill Seeder

The same as No. 315 without Plow, Hoes and Cultivator Teeth. For those who do not care for the combination implement, this is the ideal seeder. Cultivating attachments may be added at any time if desired. Price.....\$18.05

No. 315 Iron Age Hill and Drill Seeder and Single Wheel Hoe

This single wheel implement differs from No. 306 only in the construction of the frame and in having only one wheel; it cannot be worked astride the rows. The seeder attachment is the same. Equipped with Fig. 334 Hill and Drill Seeder, Fig. 82 Landside Plow, two Hoes and three Cultivator Teeth. Shipping weight. Price.....\$21.55

No. 17 Drill Seeder and Single Wheel Hoe

This differs from No. 15 only in the weeder attachment, which sows the seed in continuous drills only. It is equipped with Fig. 133 Drill Seeder, one Landslide Plow, two Hoes and three Cultivator Teeth. Shipping weight 45 lbs. Price, \$20.50

No. 18-B Drill Seeder

The same as No. 18 except that it is equipped with Fig. 145 Opening Plow for drilling onion seed to produce onion sets. Price.....\$20.75

No. 20 Single Wheel Hoe

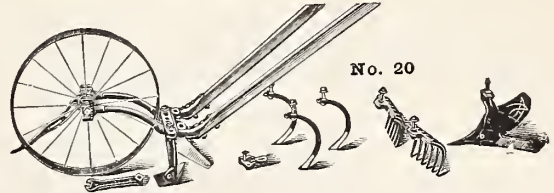
The same as No. 17 and No. 18 without seeder attachment. Equipped with one Landslide Plow, two Hoes and three Cultivator Teeth. Shipping weight 28 lbs. Price.....\$11.50

No. 21 Single Wheel Hoe

Same as No. 20 without Plow and Cultivator Teeth. Equipped with Hoes only. Price.....\$8.30

No. 18 Drill Seeder

No. 17 without cultivating attachments. Price.....\$17.05



No. 28 Garden Disc Cultivator

Same as No. 20 except that it has no Hoes, but is equipped with Fig. 369 Garden Disc Cultivator Attachment, one Landslide Plow, and three Cultivator Teeth. Price.....\$11.75

No. 19-C Cultivator and Plow

This low priced implement is very effective, and on account of the high wheel is preferred by many gardeners. The wheel is twenty-four inches in diameter. It is equipped with one Landslide Plow, one Scuffle Hoe, two Cultivating Teeth and one set of three Cultivator Teeth on a bracket. Shipping weight 22 lbs. Price \$7.65

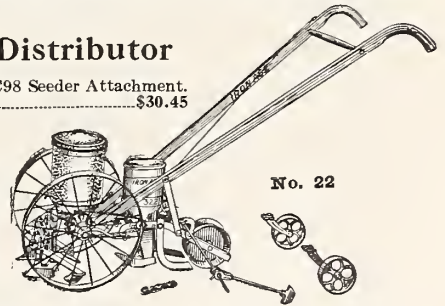


No. 22 Fertilizer, Distributor, Hill and Drill Seeder

This implement sows seed accurately, either in hills or drills, and at the same time distributes commercial fertilizer either in line with the seed or on one or both sides of the drill. Neither the seeder nor fertilizer attachments are interchangeable with the other implements, and no cultivating attachments can be used with this implement. Shipping weight 65 lbs. Price.....\$41.90

No. 23 Fertilizer Distributor

Same as No. 22 without Figure C98 Seeder Attachment. Price.....\$30.45



Attachments for IRON AGE Implements

Fig. 134 Hill and Drill Seeder Attachment. Can be used with implements No. 6, No. 7, No. 14, No. 4 No. 5, No. 40 No. 1, No. 3, No. 13, No. 27, No. 15, No. 16, No. 17, No. 18, No. 20, No. 21, or No. 28.....\$11.80

Fig. 13 Drill Seeder Attachment. Sows seed in continuous drills only. It is supplied with the No. 4 implement. May be used with any of the implements named above or Fig. 134.....\$12.25

Fig. 145 Opening Plow for Sowing Onion Seed for Sets. May be used with seeders No. 6, No. 7, No. 15, No. 16, and No. 22.....\$1.15

Fig. 184 Fertilizer Distributor Attachment. May be attached to the single wheel frame of the No. 15, No. 16, No. 17, No. 18, No. 20, No. 21, or No. 28 implements. Cannot be used at the same time the seeder is being used.....\$9.25

Fig. 369 Garden Disc Cultivating Attachment. Furnished with the No. 27 and No. 28 implements. May be used with any of the double wheel or single wheel cultivators.....\$3.90

Fig. 170 Double Mold board Plow. Has adjustable wings to open furrows of various widths.....\$2.50

Fig. 169 Combined Disc and Fender Attachment. Used to work close to small plants, or as fenders in combination with cultivator teeth.....\$1.90

Fig. 82 Landslide Plow. Furnished with the single wheel cultivators, and may be used with the double wheel cultivators by using Fig. 112.....\$2.05

Fig. 236 Hilling Attachment. May be used with the double wheel hoes.....\$2.20

Fig. 216 Special Fender Side Hoes. Used in place of the regular hoes on any Iron Age Wheel Hoe.....\$2.45

Fig. 112 Center Tooth Attachment. Used with No. 1 Hoe when using one wheel.....\$1.25

Fig. 81 Double Weeder Attachment. For destroying weeds in hard crust. For use with double wheel hoes, but may be used with single wheel hoes.....\$1.90

No. 33 Onion Set Gatherer. Used on any of the double or single wheel hoes.....\$1.65

C-26 Left Hand Plow......85

C-30 Right Hand Plow......85

C-29 Rake......85

30-A Cultivator Tooth.....1.30

C-19 Right Hand Side Hoe.....1.30

C-20 Left Hand Side Hoe.....1.30

BEE SUPPLIES

We are printing a bee supply list in our seed catalog this year for the convenience of those who might not have received our regular Lewis catalog, which is generally mailed out during the month of January. If you have not been receiving the bee supply catalog we will be glad to put your name on the list and mail you a copy. There are some items which will appear in the January catalog and do not appear on this list.

NO FOUNDATION

There will not be foundation packed either with the supers or hives this year. An 8-Frame, one-story, hive will include the top, bottom, body and frames. If you wish foundation you should order this separate. You can buy from one pound up. The supers, hives, tops and bottoms are packed five to the case. If you are a large user of bee supplies and belong to any of the Associations you can save money by writing to us for special prices and discounts covering early orders.

BEE BOOKS

At the bottom of this list you will find the names of the different bee books which we carry in stock. This covers practically every book that we know of on which there has been a demand. Whether you are an amateur or commercial beekeeper it will certainly pay you to subscribe to one of the bee journals and to provide yourself with some of these books. "ABC & XYZ" and "Beekeeping" by Mr. Phillips are both fine reading and well illustrated.

WESTERN HIVES—SUPERS AND FRAMES

You will note we are quoting on Western hives, supers, and frames for the first time this year. These are the very finest that we can possibly buy which are made in the West. We do not claim them to equal the Lewis goods for they are not, but we claim them to be a much better article than is being offered by some of our competitors.

	Lewis.	Wes- tern.		Lewis.	Wes- tern.
One Story Hives			Supers for Comb Honey.		
1-Sty. 8 Fr. Hive no Fdn. (K.D.) with frames, each.....	3.50	2.50	No. 1 8 Fr. no Sec. or Fdn. (K.D.), each.....	1.10	.85
1 Sty. 10 Fr. Hive no Fdn. (K.D.) with frames, each.....	3.65	2.70	No. 1 10 Fr. no Sec. or Fdn. (K.D.), each.....	1.15	1.00
For box of 5 8 Fr. Hives (K.D.) with frames, each.....	17.50	12.50	No. 1 8 Fr. with S. & 1" Fdn. (Set up), each.....	1.90	1.65
For box of 5 10 Fr. Hives (K.D.) with frames.....	18.25	13.50	No. 1 10 Fr. with S. & 1" Fdn. (Set up), each.....	2.00	1.75
1-Sty. 8 Fr. no Fdn. (Set up), each..	3.95	3.00	No. 1 8 Fr. with S & full shts. F. Set up, each.....	2.20	1.95
1-Sty. 10 Fr. no Fdn. (Set up) each..	4.05	3.15	No. 1 10 Fr. with S & full shts. F. Set up, each.....	2.35	2.10
1-Sty. 8 Fr. Set up with 1" Fdn. Set up, each.....	4.50	3.60	No. 2 or 3 8 Fr. no S. & F. (K.D.), each.....	1.55	
1-Sty. 10 Fr. Set up with 1" Fdn. Set up, each.....	4.65	3.75	No. 2 or 3 10 Fr. no S. & F. (K.D.), each.....	1.65	
1-Sty. 8 Fr. Full sheets Fdn. Set up, each.....	5.15	4.15	No. 4 8 Fr. No. S. & F. (K.D.), ea.	1.75	
1-Sty. 10 Fr. Full Sheets Fdn. Set up, each.....	5.25	4.25	No. 4 10 Fr. No. S. & F. (K.D.), ea.	1.85	
For any of the above hives with Metal Roof Covers, add 50c.					
Hive Bodies or Brood Chambers.			Empty Supers.		
8-Fr. with Frames and Div. Bd. (K.D.), each.....	1.85	1.55	8-Fr. No. 1, No. 2, No. 4, or No. 3, each.....	.60	.50
10-Fr. with Frames (K.D.), each..	1.95	1.65	10-Fr. No. 1, No. 2, No. 4, or No. 3, each.....	.65	.55
8-Fr. empty hive bodies with metal rabbits only (K.D.), each.....	1.10	.95	8-Fr. Shallow Extracting, each.....	.80	.70
10-Fr. empty Hive bodies with metal rabbits only (K.D.), each..	1.15	1.05	10-Fr. Shallow Extracting, each.....	.85	.75

BEE SUPPLIES—Continued

	Lewis.	Wes- tern.		Lewis.	Wes- tern.
Shallow Extracting Supers.			Division Boards.		
8-Fr. without Fdn. with frames (K.D.), each.....	1.20	1.10	Division Board, Full Depth, each .	.15	
10-Fr. without Fdn. with frames, (K.D.), each.....	1.25	1.25	Division Board, Shallow.....	.15	
8-Fr. with Full Sheets Fdn. (Set up), each.....	2.40		Equipment.		
10-Fr. with Full Sheets Fdn. (Set up), each.....	2.50		Alley's Queen and Drone Trap 8 and 10 Fr., each.....	.80	
Covers.			Bee Entrance Guard, 8 and 10 Fr., each.....	.30	
Excelsior, for 8-Fr. Hive, each.....	.90	.70	Double Porter Bee Escapes, each..	.25	
Excelsior, for 10-Fr. Hive, each.....	.95	.75	Van Deusen Hive Clamps—10 prs.	.70	
			Hive Hooks—10 prs.....	.35	
			Hive Staples, lb.....	.35	
Reversible Bottoms.					Lewis.
For 8-Fr. Hive, each.....	.95	.55	Section Scraping Knife, each.....	.45	
For 10-Fr. Hive.....	1.00	.65	Bingham Uncapping Knife, each.....	1.50	
Hive Stands.			Bingham Uncapping Knife, extra long, each.....	1.70	
For 8—Frame Hive, each.....	.45		Steam Heated Uncapping Knife, each.....	5.75	
For 10—Frame Hive, each.....	.45		With Oil Stove and Generator, each.....	10.50	
Brood and Extracting Frames.			Handy Section Press, each.....	1.10	
Hoffman Self Spacing, per 100.....	7.40	5.90	Lewis Foundation Fastener, each.....	2.75	
Metal Spaced, per 100.....	8.95		Lewis Section Squeezer, each.....	5.50	
Shallow Extracting, per 100.....	6.00		Lewis Section Former, each.....	2.75	
Lewis Observation Hive.			Colorado Section Press, each.....	2.25	
1 1-2 Story, 8-Frame, each.....	13.00		Parker Fastener, each.....	.45	
No. 30 Tinned Wire.			Woodman's Section Fixer, each.....	6.25	
3-4 Oz. Spool.....			Van Deusen Wax Tube Fastener, each.....	.35	
1-4 Lb. Spool, each.....	.20		Hive Scraper, each.....	.30	
1-2 Lb. Spool, each.....	.35		Hive Tool, each.....	.65	
1 Lb. Spool, each.....	.55		Dadant Uncapping Can, each.....	20.00	
5 Lb. Spool, each.....	2.25		Carlin Foundation Cutter, each.....	.45	
Section Holders and Separators.			Miller Queen Catcher & Introduc. Cage.....	.10	
Slotted Section Holders, per 100.....	5.50	5.50	West's Cell Protector, each.....	.10	
Plain Section Holders, per 100.....	5.00		West's Spiral Cage, each.....	.10	
Slotted Wood Separators.....	2.05	1.20	Benton Queen Mailing Cage, each.....	.10	
Super Followers, per 100.....	5.20		Rauchfuss Queen Cage & Cell Protector, each.....	.10	
Metal Parts for Hives.			Super Springs, per 100.....	1.00	
Flat Tins for 8—Frame Supers, per 100.....	1.50		Section Holder, Nailing Form, each.....	1.00	
Flat Tins for 10-Frame Supers, per 100.....	1.50		Frame Wedge Driver, each.....	1.30	
Tin Rabbets for 8-Frame Bodies, per 100.....	2.25		Rauchfuss Foundation Cutting Box, with knife, each.....	1.69	
Tin Rabbets for 10-Frame Bodies per 100.....	2.25		Electric Wire Imbedder, each.....	1.35	
Metal Spacers for Metal Spaced Fr., per 100.....	1.00		Wright's Frame Wiring Device, each.....	3.35	
Queen Excluders.			Spur Wire Imbedder, each.....	.35	
Wood and Wire 8-Frame, each.....	.90				
Wood and Wire 10-Frame, each.....	1.00		Section Honey Boxes.		
Bee Escape Boards.				Per 100	Per 1000
With Double Bee Escape, each.....	.50		4 1/4x4 1/4x1 1/8, 2-Beeway, No. 1.....	1.25	12.00
Without Bee Escape, Flat, each.....	.30		4 1/4x4 1/4x1 1/8, 2-Beeway, No. 2.....	1.20	11.50
Without Bee Escape, Nailed, each.....	.35		1, 3, or 4-Beeway, No. 1.....	1.20	11.50
			1, 3, or 4-Beeway, No. 2.....	1.20	11.50
			Plain, No. Beeway, No. 1.....	1.20	11.50
			Comb Foundation.		
				1 Lb.	25 Lb.
			Medium Brood.....	.85	.75
			Light Brood.....	.87	.78
			Thin Surplus.....	.90	.82
			Extra Thin Surplus.....	.95	.85

BEE SUPPLIES—Continued

	Lewis.		Lewis
Bee Brushes.			
Bee Brush, Liberty, each.....	.50	Shipping Cases, Regular.	
Dixie Bee Brush, each.....	.50	For 24 4 1/4x4 1/4x1 7-8 Sections.....	No price
Cogshall Bee Brush, each.....	.50	For 24 4 1/4x4 1/4x1 1-2 Sections.....	until
Bee Gloves.			
Bee Gloves, Large, Medium, Small, per pair.....	1.10	For 24 4x5x1 3-8 Sections.....	May,
Bee Smokers.			
Bingham, Smoke Engine, each.....	1.80	For 24 3 7-8x5 1 1-2 Sections.....	1920.
Bingham, Doctor, each.....	1.40	Safety Shipping Cases.	
Bingham, Conqueror, each.....	1.25	For 24 4 1/4x4 1/4x1 7-8 Sections.....	No price
Bingham, Little Wonder.....	1.10	For 24 4 1/4x4 1/4x1 1-2 Sections.....	until
Cornell, Standard, each.....	1.40	For 24 4x5x1 3-8 Sections.....	May,
Cornell, Junior, each.....	1.10	Extra Safety Cartons.....	1920.
Jumbo, each.....	2.00	Honey Cans.	
Bee Veils.			
Muth Ideal, each.....	1.60	5-gallon square cans, per case of 2.....	No price
Cotton Tulle, each.....	1.25	10 cases, 2 5-gallon cans each.....	until
Cotton Tulle with Silk Face, each.....	1.30	1-gallon Square cans, per case of 12.....	May,
Mosquito Bar, each.....	1.00	10 cases, 12 1-gallon cans each.....	1920.
Globe Veil, each.....	1.55	5-lb. Fric. Top Honey Pails, cs 12.....	
Extra Net for Globe Veil.....	1.10	5-lb. Fric. Top Honey Pails, 10 cs.....	
Feeders.			
Alexander, each.....	.45	10-lb. Fric. Top Honey Pails, cs 12.....	
Miller, Nailed, each.....	.75	10-lb. Fric. Top Honey Pails, 10 cs.....	
Miller, Flat, each.....	.50	Cases included.	
Doolittle, Nailed.....	.50	Books.	
Doolittle, Flat, each.....	.35	Bee Primer.....	.15
Simplicity, each.....	.15	ABC & XYZ.....	2.75
Boardman Feeder, Nailed, each.....	.25	Beekeeping.....	2.25
Boardman Feeder, Flat, each.....	.20	First Lessons in Beekeeping.....	1.10
France Pepper-Box Feeder, 1 Pint.....	.10	Fifty Years Among the Bees.....	1.00
France Pepper-Box Feeder, 1 Quart, each.....	.15	How to Keep Bees.....	1.15
Extractors.			
No. 5 Novice Honey Extractor, Pk. 9 5-8x16, each.....	25.50	Scientific Queen Rearing.....	1.25
No. 15 Cowan Honey Extractor, Pk. 9, 5-8x16, each.....	37.50	Advanced Beekeeping.....	1.00
No. 25 Automatic Honey Extractor, Pk. 9 5-8, each.....	75.00	Productive Beekeeping.....	2.25
		Practical Queen Rearing.....	1.10
		1000 Answers to Bee Questions.....	1.40

MODERN HIVES

We particularly wish to impress upon you the importance of putting your bees into good hives. There are hundreds of colonies of bees in home made and box hives in the western part of the state which could not be sold for to exceed \$5.00 to \$7.00 per colony, whereas if they were in good hives the market value would be \$10.00 to \$20.00 and the beekeeper would profit by a larger crop of honey. With few exceptions almost every new frame put into the hive this year will be wired and have full sheets of foundation. This should not be overlooked by the amateur beekeeper for his results will more than repay him.

The G. B. Lewis Co. advises that their catalog will be ready for mailing early in the season. If you have not been receiving this book be sure and send your name in so that we can mail you a copy. It is very complete and contains plenty of new and interesting items for the beekeeper.



BOOKS

The Best Authorities on Farming and Gardening

Following is a complete and up-to-date list of the best works on agriculture, horticulture, dairying, poultry keeping, stock raising, etc. Those printed in capitals are carried in stock, and orders will be filled promptly. Others are mailed direct from the publishers, and should reach the purchaser about ten days after the order is received by us. Prices include postage except when otherwise specified.

We issue bulletins from time to time. These bulletins are free for the asking. At the time this catalog goes to press we have in process of printing "Maximum Egg Production," Bulletin No. 101. This bulletin gives the best authorities on feeding to produce the greatest number of eggs.

POULTRY, PIGEONS AND PETS

SUCCESSFUL POULTRY KEEPING. 176 pages, 9x12.....	\$1.00		
POULTRY HOUSES AND FIXTURES. 180 illustrations.....	1.00		
ARTIFICIAL INCUBATING AND BROODING. 96 pages. Illustrated.....	1.00		
EGGS AND EGG FARMS. 96 pages. 9x12. Illustrated.....	.50		
THE CHICK BOOK. 80 pages, 9x12. Illustrated.....	.50		
THE LEGHORNS. 144 pages, 9x12. Splendidly illustrated.....	1.00		
THE PLYMOUTH ROCKS. All varieties. 144 pages, 9x12. Illustrated.....	\$1.00		
THE ORPINGTONS. 80 pages, Illustrated.....	.75		
DUCKS AND GESE. 104 pages, 9x12.....	.75		
THE BANTAM FOWL. 68 pages. Illustrated.....	.50		
THE WYANDOTTES. 160 pages. Illustrated.....	1.00		
EGG RECORD AND ACCOUNT BOOK.....	.25		
RELIABLE POULTRY REMEDIES.....	.25		
A Living from Eggs and Poultry. For the beginner. New. 188 pages, 5x7. Illustrated.....	1.25		
Profits in Poultry. 352 pages. Cloth.....	1.25		
Poultry Diseases. By E. J. Wortley.....	.80		
Poultry Architecture.....	.65		
Profitable Poultry Production.....	1.50		
American Bird Fancier. 116 pages. Paper.....	.50		
		The Call of the Hen. By Walter Hogan.....	2.00
		RHODE ISLAND REDS. 88 pages. Illustrated.....	.75
		THE ASIATICS. For the fancier of Brahmas, Cochins and Lantshans. Illustrated.....	.50
		TURKEYS. Their care and management.....	.75
		STANDARD OF PERFECTION. Latest revised edition. The official guide for judging, mating and breeding. Cloth.....	2.00
		Poultry Breeding and Management. By Dryden. New, 416 pages. Illustrated. Cloth.....	1.75
		Making Poultry Pay. 324 pages. Illustrated.....	1.25
		The New Egg Farms. By H. H. Stoddard.....	1.25
		Poultry Feeding and Fattening.....	.65
		Squabs for Profit. 150 pages. Cloth.....	.65
		Turkeys and How to Grow Them.....	1.25

BEEES

THE HONEY BEE. By Langstroth and Dadent. A thorough course in beekeeping; scientific, but easily understood by the beginner. 575 pages; 229 engravings; cloth bound. Postage additional; weight 2 1/4 lbs.....	1.75		
BEE PRIMER. By Dadent. Postpaid.....	.15		
Advanced Bee Culture. W. Z. Hutchinson.....	1.00		
Fifty Years Among the Bees.....	1.00		
Poultry Queen Rearing. By Doolittle.....	.80		
American Bee Journal. Monthly. Per year.....	1.00		
		Gleanings in Bee Culture. Monthly. Year.....	1.00
		ABC AND XYZ OF BEE CULTURE. A new edition of this popular book. 900 pages; profusely illustrated. Weight 4 lbs. 6 oz. Postage additional.....	2.75
		Bee Keeping. By E. F. Phillips.....	2.25
		Productive Bee Keeping.....	2.25
		How to Keep Bees. For the amateur.....	1.25
		First Lessons in Bee Keeping.....	1.10

VEGETABLE CROPS

Mushroom Growing. By B. M. Duggar.....	\$1.50	Sweet Potato Culture. 80 pages. Cloth.....	.65
Vegetable Gardening. By R. L. Watts.....	1.75	The New Rhubarb Culture.....	.65
Gardening for Profit. By Peter Henderson.....	1.60	Weeds of the Farm and Garden.....	1.50
Sweet Corn. By A. E. Wilkinson.....	.80	The Ilome Vegetable Garden.....	1.00
Tomato Culture. By Will W. Tracy.....	.65	The Potato. By Samuel Fraser.....	.80
Celery Culture. By W. R. Beattie.....	.65	Bean Culture. 144 pages. Cloth.....	.65
Melon Culture. 100 pages. Cloth.....	.65	The New Onion Culture.....	.65
Cabbage, Cauliflower and Allied Vegetables.....	.65	Mushrooms: How to Grow Them.....	1.25

FARM CROPS

Farm Crops. Cultivation of grain crops.....	\$1.60	The Book of Wheat.....	2.00
The Book of Alfalfa. By F. D. Coburn.....	2.25	The Study of Corn.....	.65
Manual of Corn Judging.....	.65	Farm Grasses of the United States of America. By William Jasper Sillman.....	1.50
The Book of Corn. By Herbert Myrick.....	1.60	Clovers and How to Grow Them.....	1.50
Forage Crops Other Than Grasses.....	1.50	Peas and Pea Culture. By G. C. Sevey.....	.65
Soils and Crops. For use in schools.....	1.60	The Hop. By Herbert Myrick.....	1.60
Tobacco Leaf.....	2.00	Silos, Ensilage and Silage.....	.65
American Sugar Industry.....	1.50	Flax Culture.....	.40
Alfalfa. By F. D. Coburn.....	.65	Broom Corn Culture. By A. G. McCall.....	.65
Wheat Culture. By D. S. Curtis.....	.50		
The Peanut Plant; Its Cultivation and Uses.....	.50		

LILLY'S Poultry and Stock Foods

There is no more important or interesting subject having to do with livestock than that of foods and methods of feeding. We do not intend to discuss the matter extensively in these pages for the opinions are only limited by the number of men in the business. No two feed exactly alike. We say if your method is producing satisfactory results it must be good—if your method is not giving results then get in touch with a successful stockman or your experiment station director.

Grains For Poultry

More information as to food values of grains for fowls should be in the hands of poultrymen. In our work among poultrymen, we find that very few have a working knowledge of grains and mash foods as regards their food values in growing chicks or producing eggs. This is lamentable because we find people who condemn this grain, or that one, as a poultry food whereas it shows a high analysis, and is a successful food for fowls. No concern has made the exhaustive study of poultry foods that The Chas. H. Lilly Co. has. It has been our business for years to manufacture poultry foods and long experience has given us a great lead over all others and poultrymen who have consistently used Lilly's products are loud in their praise of them.

Balanced Rations

This term as applied to poultry foods has been much misused by those who did not know its meaning. A balanced ration is not easily made. It is impossible to make unless one has the necessary knowledge of foods and the requirements for producing particular results. A food that is properly balanced to grow a chick successfully is not necessarily the proper food for a laying hen. To supply a chick with everything necessary for a quick, vigorous and healthy uniform growth is to supply a balanced ration.


To supply a ration that will give the layer the material from which to make an equal number of yolks and whites of eggs is to supply a balanced ration. The white of the egg is largely protein; the yolk is composed principally of fat and carbohydrates. The yolk is one-third fat. Consequently, the protein of the food supplied the hen goes to manufacture whites and the carbohydrates make the yolks.

We know the exact number of whites and yolks one hundred pounds of any given grain or mash ingredient will make, hence it is possible to put out balanced rations for poultry, and at less cost than poultrymen can possibly mix them for, even though they had the data and analysis of all the ingredients.

Wheat is a good food for poultry; so also is corn, oats, buckwheat, kafir corn, sunflower, millet, etc., but none of them will give good results if fed exclusively. No one grain is correctly balanced to supply all that is required of a laying hen. Best results are obtained by feeding a variety of grains in the right proportions; and even then supplementary meat and high protein foods are necessary to form properly balanced rations.

To buy Lilly's scratch and mix your own mash is a mistake for you are unable to properly balance the ration—or vice versa. To get the maximum egg yield you should feed Lilly's Scratch Food and Lilly's High Protein Egg Mash. They are balanced to be fed in conjunction and one hundred pounds of Egg Mash costs less than the same amount of Scratch Food, yet will produce more yolks and whites. Fowls should be so handled that they eat at least as much mash as Scratch—some succeed in getting mash to compose 60% and 65% of the hen's rations—costs less, produces more. Far better to feed a surplus of protein than of fat and carbohydrates. If fed a surplus of the latter the hen becomes too fat for efficient laying.

On the following pages will be found descriptive matter relative to our line of poultry and stock foods. Bear in mind that Lilly's Scratch is the original—we coined the word "Scratch Food". Our entire line of poultry and stock foods are carefully analyzed by the Charles A. Newall Co., Industrial Chemists of Seattle, and the guaranteed analysis as well as the name of every ingredient that goes to make up any particular product will be found on a tag attached to each and every sack.

Demand  from your dealer: if he does not carry the line write us directly

LILLY'S Holly Chick Food

The Test of Time and Results has Proven its Value

In selecting a ration for baby chicks, it must be borne in mind that they are infants and that their digestive organs are extremely delicate. We cannot expect them to thrive upon foods which are unsuitable, unpalatable and indigestible. The food must be easily digested, must not contain anything that will be irritating and must contain the correct elements to build bone, muscle, blood and feathers without forcing or fattening. Wheat is the basis of our chick food— not corn, as many use.

Lilly's Holly Chick Food is undoubtedly the most popular on the market today. It is the original dry grain Chick Food—the foundation of our success in manufacturing mixed poultry foods and the standard with which every other chick food is compared. Lilly's Holly Chick Food is composed of a variety of ground grain cut to the correct size for baby chicks, and contains the correct elements in the right proportion to form an ideal and complete ration when fed in conjunction with Lilly's High Protein Chick Mash. Full Directions for caring for baby chicks are contained in Bulletin No. 100, which will be sent free upon request to any address.

Holly Chick Food is packed in Ten, Twenty-five and One-hundred pound sacks.

It is for sale by all dealers, or, if not, may be ordered from us direct.

Prices will be quoted upon request.



LILLY'S Digester Tankage

Digester Tankage is very high in concentrates, and it takes but a very small amount to balance a ration up to a proper feeding ratio. It is used to great advantage at practically every age of the pig. If fed before and after farrowing, it will help the sow to produce a large milk flow and will keep her in good condition.

Price: \$5.00 per 100 lbs.; \$95.00 per ton; F. O. B. Seattle or Portland. Subject to change.

LILLY'S Blood Meal

79 PER CENT PROTEIN; 3 PER CENT FAT

Blood Meal is richer in protein content than any of the other foods used for poultry, and, being so extremely high, it is necessary to use great care in feeding it. It should not be fed oftener than three times per week, and the quantity for mature fowls should not exceed four per cent of the total feed; for chicks it should not exceed two per cent. It is pure slaughter-house blood, dried and ground.

Price (subject to change): 10 lbs., 70c; 100 lbs., \$6.00; F. O. B. Seattle or Portland.



LILLY'S High Protein Chick Mash

An Ideal Meal Food for Chicks

No poultry man should attempt to raise chicks without the use of Lilly's High Protein Chick Mash. With modern methods of raising chicks in large numbers comes the necessity of systematizing methods that labor and expense may be reduced. To accomplish this, the poultrymen have generally adopted mash in connection with grain food.

High Protein Chick Mash is carefully prepared from suitable ground grains and animal matter correctly balanced for the requirements of tender chicks. This and Holly Chick Food form a complete ration, including meat food, upon which chicks thrive and make a sturdy and healthy growth. Succulent green food, chick size grit and charcoal and plenty of fresh water or buttermilk makes a complete ration, properly constituted to produce best results in developing young chicks. No other suitable ration can be secured for past results secured by prominent poultrymen with the use of Lilly's Chick Food and Chick Mash prove that these two Foods will produce satisfactory results when others bring only discouragement. Don't experiment.

High Protein Chick Mash is put up in 10 lb., 25 lb., and 100 lb. bags., and is for sale by all dealers.

We are unable to publish prices which will be good during the entire year. Write for prices if your dealer cannot supply you.

Ask for Bulletin 100, "How to Feed and Care for Baby Chicks"—it is FREE



Lilly's Growing Food

A Mixed Grain Food to Force Activity and Exercise

Lilly's Growing Food is a mixed scratching ration composed of the proper grains and seeds in the correct proportion to be converted into bone and flesh in the shortest possible time and consequently with the least expense. Growing food should be fed beginning about the fourth week, depending largely upon the size and vigorosity of the chicks. At the age of four weeks, they have outgrown chick food and it is no longer a profitable feed, but they are not old enough for an adult ration.

It is for this stage that we have Lilly's Growing Food and Lilly's High Protein Growing Mash. These are to be fed in conjunction as the combination will produce broilers or laying pullets in the least possible time and at minimum expense. Practical poultrymen know the value of this and realize that their profits depend upon feeding the Growing Food and Growing Mash at this stage of the Chick's life.

Growing Food and Growing Mash should be fed as advised in our bulletin No. 100, which will be sent free to anyone requesting it.

Lilly's Growing Food is put up in the following sizes 10-lb., 25-lb. and 100 lb. bags and your dealer carries it.

Prices are subject to fluctuation of grain and feed markets. Write for present prices.

Lilly's Steam Dried Beet Pulp

Beet Pulp has become a staple food for stock and poultry. It is a great producer of milk and eggs when judiciously fed in connection with other foods. It has great digestive values, and feeders claim it will condition animals splendidly, especially when green food is not obtainable. For cattle it is soaked, either alone or with mill feed. For poultry it is best mixed with hot water over night and mixed with the morning feed.

Ask your dealer or request our latest price list.

Lilly's Soy Bean Meal

Soy Bean Meal averages 40% protein, and should be a part of the food fed on every farm in this section, for nothing we can offer will show a higher food value in proportion to its cost.

The Soy Bean is an Oriental bean with great nitrogen content. It comes to us in the form of large cakes, which we grind and grade into all sizes from large nubbins for sheep feeding to fine meal for mixing in mashes. Sheep men should write for prices on carload lots for fall feeding. We import direct from the Orient, and are in a position to quote very close prices.

Your dealer has it or write us direct for prices.

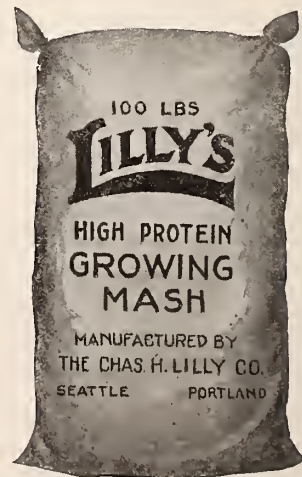
Lilly's High Protein Growing Mash

A Meal for Healthy Growth

An experienced poultryman would not think of attempting to raise chicks and mature pullets quickly and advantageously without the use of chick and growing mashes. In addition to being labor savers and the most economical method of feeding, they make it possible to obtain correctly balanced rations and they supply a needed variety of food. Mash foods are easily assimilated by the growing chicks and consequently maximum growth is secured in the minimum time. We do not advise feeding a mash food alone, but it is highly advantageous when fed in conjunction with grain scratching food, such as Lilly's Growing Food.

Lilly's High Protein Growing Mash is carefully prepared from ground grain, which will give the correct ration of protein and carbohydrates when fed as a companion feed with Lilly's Growing Food and the addition of green food, grit and water form a complete ration and produce a rapid and sturdy growth without forcing. It should be kept where the chicks will have access to it at all times. It is usually fed dry in a hopper but may be moistened with skimmed or buttermilk if preferred. This ration should be continued until the pullets are nearly ready for laying, at which time a change should be made to Lilly's Scratch Food and Lilly's High Protein Egg Mash.

Growing Mash is put up in 10-lb., 25-lb. and 100-lb. bags. Prices quoted upon request.



Ask for Bulletin No. 101, "Maximum Egg Production," free upon request

LILLY'S Scratch Food

The Standard Grain Ration for Poultry

Lilly's Scratchfood is the original. It is composed of clean, whole grains properly proportioned to supply the necessary protein and carbohydrates according to seasons. In summer, when the weather is warm we cut down on corn and other heat and fat producing grains—in winter we increase the amount.

Attention is paid to the number of yolks and whites a ton of Lilly's Scratch will produce, and if the Scratch is varied in any manner our H. P. Egg mash is changed accordingly so that the poultrymen feeding our egg foods are assured of a real balanced ration.

Care should be taken not to feed too heavily of Scratch so that fowls will clean up every grain. If fowls leave barley and kafir untouched it is because they are securing sufficient food in the way of corn and wheat. Do not let the fowl feed according to her own judgment—use yours. Under her own guidance the hen originally laid 15 or 29 eggs a year—under man's care she produces from 200 to 300 and over. Ask for Bulletin 101, maximum Egg Production.

Scratch is primarily prepared to supply a cheaper ration than wheat and corn so it must contain other grains or sell at wheat prices.

Lilly's Scratch contains no grit, shell or waste material and is by far the cleanest on the market.

We have a dealer in your city—if not, write us direct.



It is not economy to buy scratch food which contains from five to ten per cent of dust, hulls, and fine particles of food which the hens will miss. Scratch Food costs more than it did several years ago and you should be doubly careful to see that you get what you pay for. The poultryman who buys in large quantities generally knows what he is getting, it is the small keeper of chickens who buys a sack or a dollar's worth, and takes what he gets, who is the real loser. Don't let any dealer tell you that some other Scratch is just as good as LILLY'S, for just as soon as he does that he tells you plainly that LILLY'S is the best, and the best is what you want. If your dealer does not carry LILLY'S a card to us will bring latest prices.

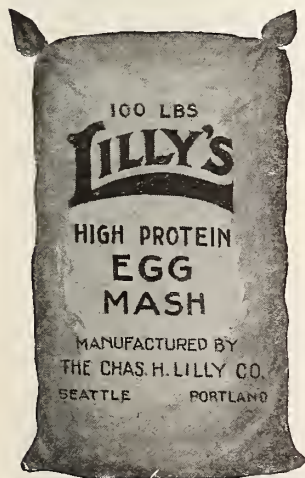
LILLY'S Lamb Meal

Saves the Orphans, Makes Weaklings Thrifty, and Benefits All

During the two years that Lamb Meal has been in use it has become very popular with sheep breeders.

Among the first to use this meal was the well known sheep breeder, Mr. J. G. S. Hubbard, of Monroe, Oregon. He is very enthusiastic in regard to the value of Lilly's Lamb Meal for raising lambs, and is using it in continually increasing quantities. Some of his finest prize-winners were raised on Lilly's Lamb Meal.

The use and benefits of Lamb Meal are quite similar to calf Meal. The quantity fed, and number of meals per day, vary according to whether the lambs are to be raised entirely on the meal, or whether it is used as an auxiliary feed. 25 lbs.....\$1.50



LILLY'S High Protein Egg Mash

For Maximum Egg Production

All authorities agree that in order to secure the maximum number of eggs from fowls it is absolutely necessary that high protein mashes should constitute 50% of their food. Exhaustive tests at nearly all experimental farms have proven this and every commercial poultryman recognizes this fact.

Lilly's High Protein Egg Mash is composed of ground grains and meat foods, and is readily digested and assimilated by fowls. In as much as all grains produce by far more yolks than whites to the hundred pounds, it is essential that more protein, or white making material be supplied in the form of mash. Here we use fish meal and when it is understood that 100 lbs. of fish meal produces 87 yolks and 806 whites it will be seen how a balanced ration may be formed.

No other meat scraps need be supplied while feeding Lilly's H. P. Egg Mash, but abundance of green food, shell, grit and water should be supplied. Milk in any form is very advisable. Ask for our Bulletin 101 "Maximum Egg Production," it gives methods of feeding.

Prices supplied upon request if your dealer cannot supply you.

Lilly's Scratch Food is free from all waste matter—Best Value Obtainable



LILLY'S Molting Mash

A great need has been felt for years for some prepared food that would aid chickens in growing feathers after the annual molt. We have prepared a molting mash that will assist materially in bringing hens through the molting period easily and quickly. The demand was so great during the molting season of 1919 that it taxed our capacity to fill orders.

In arriving at a correct formula for Lilly's Molting Mash we had the able advice of Prof. Quissenberry, President, American School of Poultry Husbandry. Poultrymen desiring to cut the molting season as short as possible will find Lilly's Molting Mash a great aid.

There are approximately 8,000 feathers on every fowl and to replace the old feathers requires food rich in protein, fat and feather-hulling material. An abundance of green foods and buttermilk should be supplied during this period.

Full directions for feeding in every sack.

Should there be a supply left after the hens have regained their new coats, mix two parts mill run with one part molting mash and a good egg mash will result.

Packed in 100 lb. bags only.

Ask your dealer for prices.

LILLY'S Poultry Oats

Oats, sprouted or otherwise, are excellent food for poultry, but ordinary feed oats are usually unfit for this purpose, being light, containing too much coarse hull and fiber, and having poor germinating qualities. Lilly's Poultry Oats is a special grade; short, plump, heavy and without heads.

At your dealers or write for latest prices.

LILLY'S Alfalfa Meal

Lilly's Alfalfa Meal is prepared especially for us from high grade alfalfa, kiln dried and ground to a coarse meal. It is very high in protein, about the same as bran, and is a splendid adjunct to the grain food. It may be fed either dry or moistened with water, alone or mixed with other mash foods for poultry or other stock.

Prices subject to change: \$2.20 per 100, F. O. B. Seattle or Portland.

Oil Cake Meal

Oil Cake Meal is another high concentrate food, and is a most valuable adjunct to any farm ration. To hogs it should be fed at the rate of four to sixteen ounces per day, according to size and age. For cattle and horses eight to sixteen ounces per day is sufficient. It should be mixed with other foods.

\$4.75 per 100. Subject to change. F. O. B. Seattle or Portland.



Granulated Charcoal

For Poultry, Hogs and Other Stock

Specially prepared for poultry and stock. It is screened to two sizes: Coarse Granulated Charcoal for hens, hogs, etc., and Fine Granulated Charcoal for chicks and other young poultry, and for mixing with mash foods if desired.

Prices: Carton (about 3 lbs.) 40c; 50 lbs, \$2.00.

LILLY'S Ground Flax Seed

Flax Seed has been a favorite conditioner among horse and cattle men from time immemorial, and is without question one of the safest and most satisfactory conditioners procurable. When used for horses it makes the coat glossy and helps to put on flesh.

Write for prices, stating quantity desired.

LILLY'S Holly Pigeon Food

A Balanced Grain and Seed Ration for Pigeons

Lilly's Holly Pigeon Food is a carefully prepared balanced food for pigeons, and is composed of the various grains and seeds that pigeons thrive upon.

This food contains no grit, shell, charcoal or salt, as those materials, together with water and occasionally a little finely chopped green food, should be provided separately in suitable receptacles which will insure cleanliness. This combination forms a complete ration for pigeons, and no other additions are necessary.

Your dealer has it or write us direct for quotations.

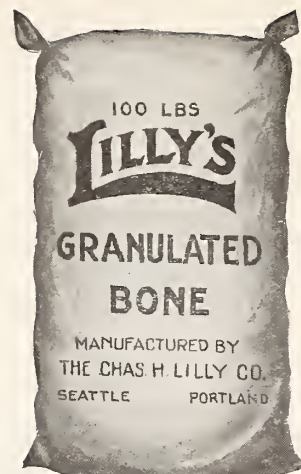


Lilly's Granulated Bone

An Egg, Bone, Muscle and Feather Producing Food

Lilly's Granulated Bone comes as near being green bone as can be kept without becoming moldy. It is made from fresh, clean slaughter-house bones, steam cured, ground and screened to the correct size. The moisture is extracted, leaving the phosphates, lime, protein, and fats. It will keep indefinitely if stored in a dry place.

Your dealer carries it. Put up in 10 lb. and 100 lb. bags. 10 lb. pkg., 50c.



Lilly's Crystal Grit

AN ESSENTIAL ADJUNCT OF THE POULTRY RATION

Lilly's Crystal Grit is as hard as flint, clean and of uniform size, and is the best possible material for the purpose. It is pure granite rock, ground and screened to the proper size and being inlaid with mica the edges remain sharp as long as a particle remains in the gizzard.

Grit should be kept before the birds at all times and it is best served in grit and shell boxes. It is made in three sizes. No. 1 for chicks and young ducks; No. 2 for growing chicks, small hens and ducks; No. 3 for large hens, turkeys and geese. When size is not specified we ship No. 3.

Your dealer has it, or order direct. 10 lb., pkg., 25c; 100 lb., \$1.25.



Lilly's Star Poultry Shell

Lime is essential for hens to form egg shells and must be supplied in some form. Lilly's Star shell is furnished in two sizes: Coarse granulated shell for feeding in boppers and mixing with grain foods, and fine granulated shell for mixing with mash foods and for pigeons. If the order does not specify size, we ship coarse granulated oyster shell.

Shell does not in any way take the place of grit, neither is there any kind of grit suitable for both shell and grit.

100 lb. bags, \$1.25; F. O. B. Seattle or Portland.

Lilly's Eastern Oyster Shell

Shell is valuable in proportion to the amount of lime it contains. Our Eastern Oyster Shell carries a very high percentage of pure lime and to those poultrymen who believe the best is none too good, this very fine grade of shell will appeal.

10 lb. pkg., 35c; 100 lb. bag, \$1.90.

Lilly's Fish Meat Meal

HIGH IN PROTEIN AND LOW IN COST

Fish Meat Meal is an excellent and economical meat food for poultry. It is used by most of the prominent poultrymen and is endorsed by the experiment stations.

Lilly's Fish Meat Meal is a clean, wholesome product, very high in protein, considerably higher than most meat scrap, the protein is in available form.

Price (subject to change): 10 lbs., 70c; 100 lbs., \$6.25; F. O. B. Seattle or Portland.

Darling's High Protein Meat Scraps

AN OLD RELIABLE BRAND

These were the first high grade meat scraps manufactured and are among the few to be maintained at their high standard of excellence regardless of the high price of meat. For years we have handled this brand and have hundreds of customers who will use no other. 50% Protein guaranteed. Packed in 100 lb. sacks only. Your dealer carries it

Insist upon getting Lilly's Poultry Supplies—they have stood the test of time



LILLY'S But-er-Fat Feed

A Reliable Dairy Food Producing the Maximum of Milk at Minimum Cost

Investigators have been conducting tests for many years in order to learn the amount of digestible protein, carbohydrates and fat best suited to dairy cows under average conditions. The results from various foods and varying amounts have been studied in thousands of animals. Taking into consideration the findings of experimenters we have been able to put upon the market a dairy food second to none other for the money. It is a balanced food having the correct ratio of protein and carbohydrates for the dairy cow.

Until Lilly's But-er-fat has been used it is impossible to estimate its value as a dairy food and the price is so reasonable that it should always be used instead of plain mill feeds. It has from 10 to 20% greater food value than has shorts and is manufactured from high grade products with a special view to milk production. It is uniform in quality and can be depended upon to give excellent results.

Lilly's But-er-fat has found a ready sale among dairymen and our trade has increased steadily since it was put upon the market four years ago. Any owner of a cow will be agreeably surprised after a trial of Lilly's But-er-fat.

Begin feeding today—give your cows a chance to show what they can do.

Your dealer can supply you—if not, write us direct. Insist upon Lilly's Butter-fat—accept no substitute.

Once used, always used—Lilly's But-er-Fat

LILLY'S Pig Meal

Keeps Pigs Growing Without Check at Weaning Time

Lilly's Pig Meal is a perfect substitute for sow's milk; it is appetizing, the pigs like it, and they will thrive upon it and continue to grow without any check. It produces rapid growth of bone, muscle, tendon and blood, and carries the pigs through the critical stages between weaning time and the time when they can thrive on the regular foods.

One pound of Lilly's Pig Meal will make one gallon of milk substitute. Mix the Pig Meal with a small quantity of boiling water, stirring to keep it free from lumps; then add skim milk or hot water at the rate of one gallon to each pound of Pig Meal. It should always be fed at a temperature as near ninety-eight degrees as possible. Feed as much as the pigs will eat greedily, or enough to keep them in good growing condition. Commence feeding a little before the sow is ready to wean the pigs, and continue until they are able to thrive upon other foods, reducing the quantity gradually. Keep pens and troughs perfectly clean. Don't let the pigs stop growing for an instant.

Price: 25 lbs., \$1.50; 100 lbs., \$5.75; F. O. B. Seattle or Portland.

LILLY'S Calf Meal

A Cooked and Balanced Food—Raises Better Calves at Less Expense

Do not kill the calf. It is one of the greatest potential sources of wealth in a farming community. The old wasteful practice of killing calves at birth is becoming more unpopular each year.

Possibly it does not pay to feed whole milk to calves, but they may be raised as successfully or more so, and at a fraction of their cost, on calf meal.

Calves eat Lilly's Calf Meal with great relish and thrive upon it even better than upon whole milk. If fed in a sanitary manner they will not be troubled with constipation or scours; the most serious difficulties when feeding milk. The use of calf meal has become very general and is increasing rapidly. We have never heard of a case where a farmer after using calf meal has reverted to the old method of raising calves.

Lilly's Calf Meal is made from the best materials, correctly blended, thoroughly cooked, and the food values and constituents are about the same as milk, 25% protein, 50% carbohydrates. One pound of Lilly's Calf Meal makes one gallon of milk substitute fully equal to whole milk for raising calves.

Full directions for using sent direct upon request. Put up in 25 and 100 lb. bags.

Price (subject to change), 25 lb. bag, \$1.50; f.o.b. Seattle or Portland. Your dealer has it, or write direct.



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Established 1885

LILLY'S

Established 1885

A Good Name—Well Known



THE CHAS. H. LILLY CO.

ESTABLISHED 1885

SEATTLE

General Offices, Factory and Warehouses
Hanford Street and West Waterway

Seattle Retail Store
Pioneer Square, First and Cherry

Portland Branch
Front and Yamhill Sts.
PORTLAND,
ORE.

Branches
ELLENSBURG, WASH.
WAPATO, - - WASH.
YAKIMA, - - WASH.

MAIL ORDER SHEET

SEATTLE **LILLY'S** PORTLAND
ESTABLISHED 1885

Name
Date..... 191.....

Street Address
(Write name very distinctly)

Rural Delivery No. Box No.

Post Office

County State

Ship by
(Parcel Post, Express, Freight or Boat)

Ship to
(Name of Express Office, Freight Station, or Boat Landing)

Charges to be Prepaid or Collected at Destination
(Charges to a station at which there is no agent must be prepaid)

AMOUNT ENCLOSED	
Money Order \$	.....
Draft \$	.....
Check \$	.....
Stamps \$	.....
Currency \$	.....
Coin \$	.....

PLEASE WRITE NOTHING BUT THE ORDER AND SHIPPING INSTRUCTIONS ON THIS SHEET

The Chas. H. Lilly Co. exercises every precaution to grow and secure only the very best seeds, but gives no warranty, express or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs, or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

Pd. Pk. Shp	Quantity	Articles	Amount
These columns not to be used by purchaser			
Amount carried forward			

Nothing but orders should be written on this sheet. Please do not tear it in two.

Pd. Pk. Shp	Quantity	Articles	Amount
These columns not to be used by purchaser			
FROM		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> STICK 20 STAMP HERE </div>	
Name		<div style="font-size: 2em; font-weight: bold; font-family: serif;">LILLY'S</div>	
P. O.			
State			
		Amount brought forward	
Parcel Post, Express or Freight Charges			
TOTAL			

I-19-50M-UECo.

SEATTLE

REGARDING MAIL ORDERS

Observance of the following simple rules will assist us to fill orders promptly and satisfactorily.

Order early. During the spring planting time, from the middle of March to the middle of May, we are crowded to full capacity, and, although our facilities and system of handling orders are highly efficient, occasional delays and errors are bound to occur; also, late in the season, we are liable to be sold out of some varieties. It is to your advantage, as well as ours, to order before the spring rush.

Use our order sheets for all orders. This will avoid delay and chance for error. Additional order sheets will be mailed to you on request.

Write name, address, and shipping instructions in proper spaces very distinctly. We receive many orders with name or address omitted or illegible, and are unable to fill such orders until the purchasers enquire about them.

Please do not write anything on the order sheet except the order and shipping instructions. If it is necessary to write a letter it should be written on another sheet of paper. Please do not tear the order sheet in two. Send the full sheet whether it is full or not.

We acknowledge receipt of all orders amounting to twenty-five cents or more. If you do not receive an acknowledgment card promptly it is evidence that the order has not been received by us. In case it is necessary to write to us in regard to an order for which you have received an acknowledgment card, please refer to the number which is shown on the card. Orders are usually filled the same day that they are received by us. If, for any reason, there will be a delay of more than a few days we will write to you explaining the delay.

Remittance in full is required with all orders, thus avoiding unnecessary expense, labor, and confusion. Please do not ask us to ship goods C. O. D. or on account, for we would be compelled to decline. Remittance should be made by Post Office Money Order Express Money Order, Bank Draft, or Registered Letter. We will accept stamps in small amounts, but cannot assume responsibility for stamps, currency, or coin lost in the mails.

Prices of some seeds, foods, fertilizers, etc., are liable to fluctuate, and, to avoid making catalog prices high enough to cover any advance in the market, all prices are subject to change. Before ordering, if supplement enclosed with our catalog is not of recent date, write to us for latest supplement.

Discounts and Premiums. It is our policy to furnish only the best goods, at prices as low as is consistent, and those prices are net. We allow no discounts and give no premiums. Premiums must be paid for, indirectly, and usually at a high rate.

Market Gardeners and others requiring vegetable seeds in very large quantities will please write for special quantity prices, stating varieties and quantities wanted.

We do not pay transportation charges except when prices are quoted "postpaid." We pay transportation charges by parcel post, express or freight, at our option, on flower seeds and vegetable seeds in lots of one pound or less, except Beans, Peas, Corn, Mushroom Spawn and Onion Sets. Except in the few cases where we specify that prices are "postpaid," if goods are to be shipped by parcel post, a sufficient amount must be remitted to pay postage; otherwise the goods will be shipped by express or freight with charges to be collected at destination. If goods are to be shipped by express or freight to a station at which there is no agent, a sufficient amount must be remitted with the order to prepay transportation charges.

Complaints. Errors are bound to occur occasionally, even in the best regulated business. We make it a point to adjust errors and reasonable complaints promptly and liberally. Likewise, as we endeavor to please our customers, we are always glad to hear from them when they are satisfied with our goods or our services.

PARCEL POST RATES

If goods are to be shipped by Parcel Post, except such as are listed in our catalog "postpaid," an amount sufficient to pay postage at the following rates must be remitted with orders.

On parcels weighing eight ounces or less, containing Books, Seeds, Cuttings, Bulbs, Roots, Scions, and Plants, the rate is one cent for each two ounces or fraction thereof, regardless of distance.

On parcels weighing four ounces or less, containing goods other than Books, Seeds, Bulbs, Roots, Scions, and Plants, the rate is one cent for each ounce or fraction thereof, any distance.

On other domestic parcel post matter the following zone rates and weights apply:

Weight Pounds	Local Handled through one P. O. or R. F. D. only.	ZONES						
		1st Under 50 miles	2nd 50 to 150 mi.	3rd 150 to 300 mi.	4th 300 to 600 mi.	5th 600 to 1000 mi.	6th 1,000 to 1400 mi.	7th 1400 to 1800 mi.
1	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2	.06	.06	.08	.11	.14	.17	.21	.24
3	.06	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.46					
22	.16	.26	.48					
23	.16	.27	.50					
24	.17	.28	.52					
25	.17	.29	.54					
26	.18	.30	.56					
27	.18	.31	.58					
28	.19	.32	.60					
29	.19	.33	.62					
30	.20	.34	.64					
31	.20	.35	.66					
32	.21	.36	.68					
33	.21	.37	.70					
34	.22	.38	.72					
35	.22	.39	.74					
36	.23	.40	.76					
37	.23	.41	.78					
38	.24	.42	.80					
39	.24	.43	.82					
40	.25	.44	.84					
41	.25	.45	.86					
42	.26	.46	.88					
43	.26	.47	.90					
44	.27	.48	.92					
45	.27	.49	.94					
46	.28	.50	.96					
47	.28	.51	.98					
48	.29	.52	1.00					
49	.29	.53	1.02					
50	.30	.54	1.04					

Weight limit within 1st and 2nd Zones is 50 lbs.; and within 3rd to 8th Zones, 20 lbs.

Size limit is 84 inches in length and largest girth combined.

Poisons and explosives cannot be shipped by parcel post.

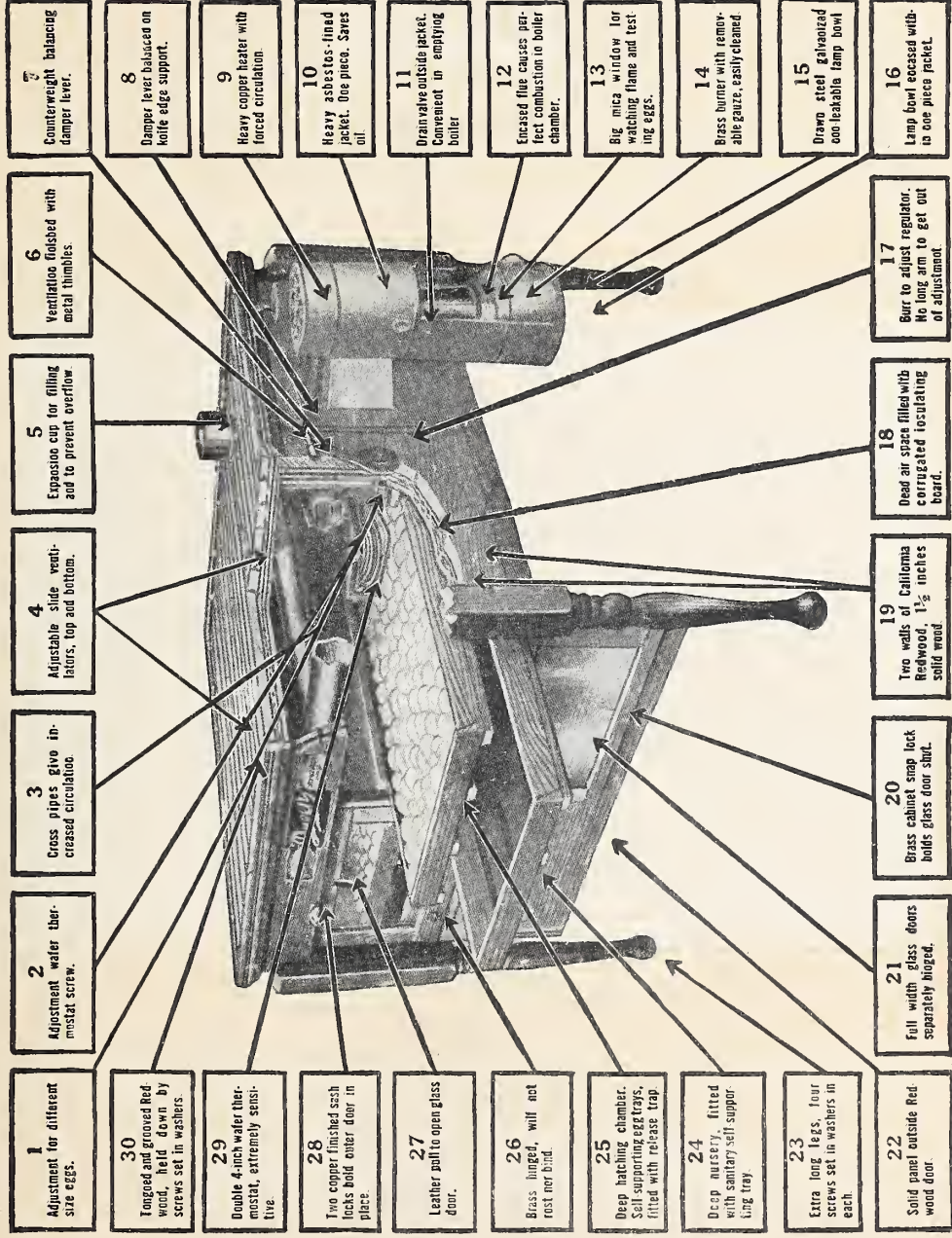
Liquids may be shipped by parcel post when specially packed to comply with requirements.

Eighth Zone rates and weights apply to Alaska, Hawaii, and all American possessions.

Rate to Canada is 12 cents for each pound or fraction of a pound, and the limit of weight is 4 lbs. 6 oz.

Rate to Mexico is 12 cents for each pound or fraction of a pound, and the limit of weight is 11 lbs.

30 Points of Merit About the Queen Incubator



1 Adjustment for different size eggs.

2 Adjustment water thermostat screw.

3 Cross pipes give increased circulation.

4 Adjustable slide ventilators, top and bottom.

5 Expansion cup for filling and to prevent overflow.

6 Ventilation finished with metal thimbles.

7 Counterweight balancing damper lever.

8 Damper lever balanced on knife edge support.

9 Heavy copper heater with forced circulation.

10 Heavy asbestos-lined jacket. One piece. Saves oil.

11 Drain valve outside jacket. Convenient in emptying boiler.

12 Encased flue causes perfect combustion in boiler chamber.

13 Big mica window for watching flame and testing eggs.

14 Brass burner with removable gauze, easily cleaned.

15 Drawn steel galvanized coolable lamp bowl.

16 Lamp bowl encased with one piece jacket.

17 Burr to adjust regulator. No long arm to get out of adjustment.

18 Dead air space filled with corrugated insulating board.

19 Two walls of California Redwood, 1½ inches solid wood.

20 Brass cabinet snap lock bolts glass door shut.

21 Full width glass doors separately hinged.

22 Solid panel outside Redwood door.

23 Extra long legs, four screws set in washers in each.

24 Deep nursery, fitted with sanitary self-supporting tray.

25 Deep hatching chamber. Self-supporting eggtrays, fitted with release trap.

26 Brass hinges, will not rust nor bind.

27 Leather pull to open glass door.

28 Two copper finished sash locks hold outer door in place.

29 Double 4-inch water thermostat, extremely sensitive.

30 Tongued and grooved Redwood, held down by screws set in washers.

For Full Particulars and Prices see page 68

LILLY'S

ESTABLISHED 1885

The Mark of Seed Quality



LILLY'S

All Head Early
Cabbage

Best for the West